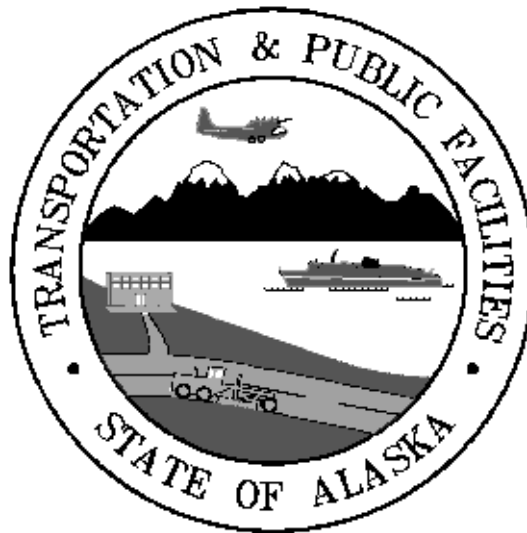


**STATE OF ALASKA**  
**DEPARTMENT OF**  
**TRANSPORTATION**  
**AND PUBLIC FACILITIES**

**CONTRACT DOCUMENTS**  
**AND SPECIFICATIONS**



The undersigned hereby certifies  
that this duplicated document is an  
exact and true copy of the original.

Two blue ink signatures are written over a horizontal line. The first signature is more stylized and the second is more cursive.

November 15, 2021

**KTN: Herring Cove Bridge Improvements**

**PROJECT NO. 0902043/SFHWHY00072**

CONTRACT DOCUMENT FEE: \$100.00

**SOUTHCOAST REGION**

*To be used in conjunction with the State of Alaska Standard Specifications for  
Highway Construction dated 2020, and the plans for the above referenced  
project*





THE STATE  
of **ALASKA**  
GOVERNOR MIKE DUNLEAVY

**Department of Labor and  
Workforce Development**

P.O. Box 111149  
Juneau, Alaska 99811-1149  
Main: 907.465.2700, Fax: 907.465.2784

**Department of Transportation  
and Public Facilities**

P.O. Box 112500  
Juneau, Alaska 99811-2500  
Main: 907.465.3900, Fax: 907.586.8365

Dear Prospective Contractor:

If you are considering bidding on an Alaska public works project, please remember the positive benefits of hiring locally. Construction, maintenance, and operation of public works projects are vital to the economic health of Alaska, and good paying jobs associated with such projects are important to Alaskans throughout the state.

If you want to hire more Alaskans, we're here to help. Hiring local workers is cost-effective and can benefit your business in many ways. The Alaska Department of Labor and Workforce Development's Job Center staff can connect you with qualified, skilled Alaskan workers through the Alaska Labor Exchange (ALEXsys) employee/employer database. Call (907) 465-2712 to get connected with a Job Center and potential employees in your community.

Work Opportunity Tax Credits (WOTC) are available to employers who hire qualified new employees who are unemployed disabled veterans, recipients of Temporary Assistance or food stamps, ex-offenders, and residents of Empowerment Zones or Renewal Communities. The WOTC program saved employers operating in Alaska over \$3.2 million last year. For information on the tax credit program call (907) 465-5952 or visit the WOTC website, [www.jobs.alaska.gov/wotc.htm](http://www.jobs.alaska.gov/wotc.htm).

The Department of Transportation and Public Facilities, the Department of Labor and Workforce Development, the Alaska Native Coalition on Employment and Training (ANCEIT), and other industry training providers work closely together to recruit women, Alaska Natives, minorities and veterans for training and job referral. We can assist your business in finding qualified employees right now, as well as help you institute training programs to ensure a stable and skilled workforce over the long term. There are many high school and adult training programs across the state that prepare Alaska residents for construction jobs and to learn a trade as a registered apprentice. Alaska has over 1,500 registered apprentices and our job centers can assist employers that want to hire apprentices. Alaska's prevailing wage is adjusted to allow employers to pay apprentices at a reduced rate while they are learning their trade, offsetting your costs of training the apprentice. Additionally, there are on-the-job training wage incentives available for employers that hire apprentices.

If you are awarded a contract, we will send you additional information on the business benefit of hiring locally and how to use the free Alaska Labor Exchange System to find qualified Alaska residents. Your effort to hire locally is appreciated very much. We wish you well in the upcoming construction season and thank you for putting Alaskans to work.

Sincerely,

Handwritten signature of Dr. Tamika Ledbetter.

Dr. Tamika Ledbetter, Commissioner  
Department of Labor  
and Workforce Development

Handwritten signature of Ryan Anderson.

Ryan Anderson, P.E., Commissioner  
Department of Transportation  
and Public Facilities



**Alaska Department of Commerce, Community, and Economic Development**

Division of Corporations, Business, and Professional Licensing

PO Box 110806, Juneau, AK 99811-0806

This is to certify that

**HAMILTON CONSTRUCTION ALASKA CO.**

PO BOX 309, SUTTON, AK 99674

owned by

HAMILTON CONSTRUCTION ALASKA CO.

is licensed by the department to conduct business for the period

December 2, 2020 to December 31, 2022  
for the following line(s) of business:

23 - Construction



This license shall not be taken as permission to do business in the state without having complied with the other requirements of the laws of the State or of the United States.

This license must be posted in a conspicuous place at the business location.  
It is not transferable or assignable.

Julie Anderson  
Commissioner

License #: CONE37779  
Effective: 12/2/2020  
Expires: 12/31/2022

**State of Alaska**  
Department of Commerce, Community, and Economic Development  
Division of Corporations, Business, and Professional Licensing

**Regulation of Construction Contractors and Home Inspectors**

Licensee: **HAMILTON CONSTRUCTION ALASKA CO.**

License Type: **General Contractor Without Residential Contractor Endorsement**

Status: **Active**

Doing Business As: **HAMILTON CONSTRUCTION ALASKA CO.**

**Note:** CONTRACTOR HAS PREVIOUS LICENSE RECORD. CONE35364

Commissioner: Julie Anderson

**Relationships**

No relationships found.

**Designations**

No designations found.

HAMILTON CONSTRUCTION ALASKA CO.  
PO BOX 659  
SPRINGFIELD, OR 97477-0659

Wallet Card

<p><b>State of Alaska</b> Department of Commerce, Community, and Economic Development Division of Corporations, Business, and Professional Licensing Regulation of Construction Contractors and Home Inspectors</p> <p>HAMILTON CONSTRUCTION ALASKA CO. DBA: HAMILTON CONSTRUCTION ALASKA CO.</p> <p>As General Contractor Without Residential Contractor Endorsement</p>		
License CONE37779	Effective 12/2/2020	Expires 12/31/2022



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/12/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER CA LIC 0B29370 Edgewood Partners Insurance Center (EPIC) [Concord - Branch ID 15469] P.O. Box 5668  Concord, CA 94524	1-925-798-3334  CONTACT NAME: Sara Dorrisey PHONE (A/C, No. Ext): 925-822-9009 E-MAIL ADDRESS: sara.dorrisey@epicbrokers.com FAX (A/C, No): 925-887-6815														
INSURED Hamilton Construction Alaska Co.  P.O. Box 659 Springfield, OR 97477	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: TRAVELERS IND CO OF AMER</td> <td>25666</td> </tr> <tr> <td>INSURER B: CHARTER OAK FIRE INS CO</td> <td>25615</td> </tr> <tr> <td>INSURER C: ALLIED WORLD NATL ASSUR CO</td> <td>10690</td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: TRAVELERS IND CO OF AMER	25666	INSURER B: CHARTER OAK FIRE INS CO	25615	INSURER C: ALLIED WORLD NATL ASSUR CO	10690	INSURER D:		INSURER E:		INSURER F:	
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INSURER E:															
INSURER F:															

**COVERAGES**

CERTIFICATE NUMBER: 63486575

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Deductible \$100,000  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:	X	X	VTC2HCO9325B477TIA21	01/01/21	01/01/22	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> Comp/Coll <input checked="" type="checkbox"/> Ded \$1,000	X	X	VTOCAP9494A984COF21	01/01/21	01/01/22	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X	X	03080364	01/01/21	01/01/22	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)


RE: Project #0902043/SFHWHY00072, KTN: Herring Cove Bridge Improvements.

Additional Insured(S): State of Alaska - Department of Transportation and Public Facilities.

When required by written contract, Additional Insured status with Primary & Non-Contributory coverage and Waiver of Subrogation applies to General Liability, Automobile Liability, and Umbrella Liability all as per the attached endorsements.

30 days notice of cancellation as per the attached endorsements.

**CERTIFICATE HOLDER****CANCELLATION**

Project #0902043/SFHWHY00072  State of Alaska - DOT/PF KTN: Herring Cove Bridge Improvements  P.O. Box 112506  Juneau, AK 99811-2506  USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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ACORD 25 (2016/03)

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PATRA01  
63486575

# SUPPLEMENT TO CERTIFICATE OF INSURANCE

DATE  
10/12/2021

NAME OF INSURED: Hamilton Construction Alaska Co.

Additional Description of Operations/Remarks from Page 1:

Additional Information:



**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**DESIGNATED PERSON OR ORGANIZATION – NOTICE OF CANCELLATION PROVIDED BY US**

This endorsement modifies insurance provided under the following:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

**SCHEDULE**

**CANCELLATION:** Number of Days Notice: 30

**PERSON OR ORGANIZATION:**

Any person or organization to whom you have agreed in a written contract that notice of cancellation of this policy will be given, but only if:

1. You send us a written request to provide such notice, including the name and address of such person or organization, after the first Named Insured receives notice from us of the cancellation of this policy; and
2. We receive such written request at least 14 days before the beginning of the applicable number of days shown in this endorsement.

**ADDRESS:**

The address for that person or organization included in such written request from you to us.

**PROVISIONS**

If we cancel this policy for any legally permitted reason other than nonpayment of premium, and a number of days is shown for Cancellation in the Schedule above, we will mail notice of cancellation to the person or organization shown in such Schedule. We will mail such notice to the address shown in the Schedule above at least the number of days shown for Cancellation in such Schedule before the effective date of cancellation.

Policy # VTO-CAP-9494A984-COF-21

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **BLANKET ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY WITH OTHER INSURANCE – CONTRACTORS**

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

### **PROVISIONS**

1. The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

This includes any person or organization who you are required under a written contract or agreement, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

2. The following is added to Paragraph **B.5., Other Insurance** of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Regardless of the provisions of paragraph **a.** and paragraph **d.** of this part **5. Other Insurance**, this insurance is primary to and non-contributory with applicable other insurance under which an additional insured person or organization is a named insured when a written contract or agreement with you, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, requires this insurance to be primary and non-contributory.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **POLLUTION LIABILITY – BROADENED COVERAGE FOR COVERED AUTOS – BUSINESS AUTO AND MOTOR CARRIER COVERAGE FORMS**

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM  
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

**A. Covered Autos Liability Coverage** is changed as follows:

1. Paragraph **a.** of the **Pollution** Exclusion applies only to liability assumed under a contract or agreement.
2. With respect to the coverage afforded by Paragraph **A.1.** above, Exclusion **B.6. Care, Custody Or Control** does not apply.

**B. Changes In Definitions**

For the purposes of this endorsement, Paragraph **D.** of the **Definitions** Section is replaced by the following:

- D.** "Covered pollution cost or expense" means any cost or expense arising out of:
1. Any request, demand, order or statutory or regulatory requirement that any "insured" or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of "pollutants"; or
  2. Any claim or "suit" by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to or assessing the effects of "pollutants".

"Covered pollution cost or expense" does not include any cost or expense arising out of the actual, alleged or threatened discharge, dis-

persal, seepage, migration, release or escape of "pollutants":

- a.** Before the "pollutants" or any property in which the "pollutants" are contained are moved from the place where they are accepted by the "insured" for movement into or onto the covered "auto"; or
- b.** After the "pollutants" or any property in which the "pollutants" are contained are moved from the covered "auto" to the place where they are finally delivered, disposed of or abandoned by the "insured".

Paragraphs **a.** and **b.** above do not apply to "accidents" that occur away from premises owned by or rented to an "insured" with respect to "pollutants" not in or upon a covered "auto" if:

- (1)** The "pollutants" or any property in which the "pollutants" are contained are upset, overturned or damaged as a result of the maintenance or use of a covered "auto"; and
- (2)** The discharge, dispersal, seepage, migration, release or escape of the "pollutants" is caused directly by such upset, overturn or damage.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **COVERAGE FOR CERTAIN OPERATIONS IN CONNECTION WITH RAILROADS**

This endorsement modifies insurance provided under the following:

- AUTO DEALERS COVERAGE FORM
- BUSINESS AUTO COVERAGE FORM
- MOTOR CARRIERS COVERAGE FORM

With respect to coverage provided under this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

### **SCHEDULE**

#### **Scheduled Railroad**

Any railroad if you are required in a written contract or agreement to provide liability coverage for your construction or demolition operations performed within 50 feet of such railroad, provided such written contract or agreement is signed and executed before, and is in effect when, the "bodily injury" or "property damage" occurs.

#### **Designated Job Site**

Any job site to which such written contract or agreement described in the Scheduled Railroad section of this Schedule applies.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

With respect to the use of a covered "auto" in operations for or affecting a railroad designated in the Schedule at a Designated Job Site, the two exceptions contained in the definition of "insured contract" relating to construction or demolition operations performed within 50 feet of a railroad do not apply.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **BUSINESS AUTO EXTENSION ENDORSEMENT**

This endorsement modifies insurance provided under the following:

### **BUSINESS AUTO COVERAGE FORM**

**GENERAL DESCRIPTION OF COVERAGE** – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- |                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li><b>A. BROAD FORM NAMED INSURED</b></li> <li><b>B. BLANKET ADDITIONAL INSURED</b></li> <li><b>C. EMPLOYEE HIRED AUTO</b></li> <li><b>D. EMPLOYEES AS INSURED</b></li> <li><b>E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS</b></li> <li><b>F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS</b></li> <li><b>G. WAIVER OF DEDUCTIBLE – GLASS</b></li> </ul> | <ul style="list-style-type: none"> <li><b>H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT</b></li> <li><b>I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT</b></li> <li><b>J. PERSONAL PROPERTY</b></li> <li><b>K. AIRBAGS</b></li> <li><b>L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS</b></li> <li><b>M. BLANKET WAIVER OF SUBROGATION</b></li> <li><b>N. UNINTENTIONAL ERRORS OR OMISSIONS</b></li> </ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **PROVISIONS**

#### **A. BROAD FORM NAMED INSURED**

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

#### **B. BLANKET ADDITIONAL INSURED**

The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which

this insurance applies and only to the extent that person or organization qualifies as an "insured" under the **Who Is An Insured** provision contained in Section II.

#### **C. EMPLOYEE HIRED AUTO**

1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b.** in **B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

**b.** For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

- (1)** Any covered "auto" you lease, hire, rent or borrow; and
- (2)** Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

## COMMERCIAL AUTO

permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

### D. EMPLOYEES AS INSURED

The following is added to Paragraph A.1., **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

### E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph A.2.a.(2), of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph A.2.a.(4), of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

### F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph (5) in Paragraph B.7., **Policy Period, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

(a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

(i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

(ii) Neither you nor any other involved "insured" will make any settlement without our consent.

(iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

(iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph C., **Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**.

(v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph C., **Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

(b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.

(c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

- (d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

#### G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph D., **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

#### H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph A.4.b., **Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

#### I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph A.4.a., **Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

#### J. PERSONAL PROPERTY

The following is added to Paragraph A.4., **Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

##### Personal Property

We will pay up to \$400 for "loss" to wearing apparel and other personal property which is:

- (1) Owned by an "insured"; and

- (2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

#### K. AIRBAGS

The following is added to Paragraph B.3., **Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion 3.a. does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs A.1.b. and A.1.c., but only:

- a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
- b. The airbags are not covered under any warranty; and
- c. The airbags were not intentionally inflated.

We will pay up to a maximum of \$1,000 for any one "loss".

#### L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph A.2.a., of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual);
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

#### M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph A.5., **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

##### 5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by

COMMERCIAL AUTO

such contract. The waiver applies only to the person or organization designated in such contract.

**N. UNINTENTIONAL ERRORS OR OMISSIONS**

The following is added to Paragraph **B.2., Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.



**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY****BLANKET ADDITIONAL INSURED  
(CONTRACTORS)**

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART**

1. WHO IS AN INSURED – (Section II) is amended to include any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:
  - a) Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and
  - b) If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies. The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.
2. The insurance provided to the additional insured by this endorsement is limited as follows:
  - a) The insurance provided to the additional insured does not apply to "bodily injury", "property damage" or "personal injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services, including:
    - i. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders or change orders, or the preparing, approving, or failing to prepare or approve, drawings and specifications; and
    - ii. Supervisory, inspection, architectural or engineering activities.
  - b) The insurance provided to the additional insured does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.
3. The insurance provided to the additional insured by this endorsement is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover under this endorsement. However, if the "written contract requiring insurance" specifically requires that this insurance apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured which covers that person or organization as a named insured for such loss, and we will not share with that other insurance. But the insurance provided to the additional insured by this endorsement still is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under such other insurance.
4. As a condition of coverage provided to the additional insured by this endorsement:
  - a) The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:
    - i. How, when and where the "occurrence" or offense took place;
    - ii. The names and addresses of any injured persons and witnesses; and
    - iii. The nature and location of any injury or damage arising out of the "occurrence" or offense.
  - b) If a claim is made or "suit" is brought against the additional insured, the additional insured must:
    - i. Immediately record the specifics of the claim or "suit" and the date received; and
    - ii. Notify us as soon as practicable.

## COMMERCIAL GENERAL LIABILITY

The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.

- c) The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
- d) The additional insured must tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover the additional insured for a loss we cover under this endorsement. However, this condition does not affect whether the insurance provided to the additional insured by this endorsement is primary to other insurance available to the additional insured which co-

vers that person or organization as a named insured as described in paragraph **3.** above.

- 5. The following definition is added to SECTION V. – DEFINITIONS:

"Written contract requiring insurance" means that part of any written contract or agreement under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After the signing and execution of the contract or agreement by you;
- b. While that part of the contract or agreement is in effect; and
- c. Before the end of the policy period.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY****DESIGNATED PROJECT(S)  
GENERAL AGGREGATE LIMIT**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE****Designated Project(s):**

Each "project" for which you have agreed, in a written contract that is in effect during this policy period, to provide a separate General Aggregate Limit, provided that the contract is signed by you before the "bodily injury" or "property damage" occurs.

**Designated Project****General Aggregate(s):**

General Aggregate  
Limit shown on the  
Declarations

- A.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **COVERAGE A. (SECTION I)**, and for all medical expenses caused by accidents under **COVERAGE C (SECTION I)**, which can be attributed only to operations at a single designated "project" shown in the Schedule above:
1. A separate Designated Project General Aggregate Limit applies to each designated "project", and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations, unless separate **Designated Project General Aggregate(s)** are scheduled above.
  2. The Designated Project General Aggregate Limit is the most we will pay for the sum of all damages under **COVERAGE A.**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under **COVERAGE C**, regardless of the number of:
    - a. Insureds;
    - b. Claims made or "suits" brought; or
    - c. Persons or organizations making claims or bringing "suits".
- 3.** Any payments made under **COVERAGE A.** for damages or under **COVERAGE C.** for medical expenses shall reduce the Designated Project General Aggregate Limit for that designated "project". Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Project General Aggregate Limit for any other designated "project" shown in the Schedule above.
- 4.** The limits shown in the Declarations for **Each Occurrence, Damage To Premises Rented To You and Medical Expense** continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Project General Aggregate Limit.
- B.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **COVERAGE A. (SECTION I)**, and for all medical expenses caused by accidents under **COVERAGE C. (SECTION I)**, which cannot be attributed only to operations at a single designated "project" shown in the Schedule above:

## COMMERCIAL GENERAL LIABILITY

1. Any payments made under **COVERAGE A.** for damages or under **COVERAGE C.** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-Completed Operations Aggregate Limit, whichever is applicable; and
  2. Such payments shall not reduce any Designated Project General Aggregate Limit.
- C.** Part 2. of **SECTION III – LIMITS OF INSURANCE** is deleted and replaced by the following:
2. The General Aggregate Limit is the most we will pay for the sum of:
    - a. Damages under **Coverage B;** and
    - b. Damages from "occurrences" under **COVERAGE A (SECTION I)** and for all medical expenses caused by accidents under **COVERAGE C (SECTION I)** which cannot be attributed only to operations at a single designated "project" shown in the **SCHEDULE** above.
- D.** When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Project General Aggregate Limit.
- E.** For the purposes of this endorsement the **Definitions Section** is amended by the addition of the following definition:
- "Project" means an area away from premises owned by or rented to you at which you are performing operations pursuant to a contract or agreement. For the purposes of determining the applicable aggregate limit of insurance, each "project" that includes premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad shall be considered a single "project".
- F.** The provisions of **SECTION III – LIMITS OF INSURANCE** not otherwise modified by this endorsement shall continue to apply as stipulated.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**DESIGNATED PERSON OR ORGANIZATION – NOTICE OF CANCELLATION PROVIDED BY US**

This endorsement modifies insurance provided under the following:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

**SCHEDULE**

**CANCELLATION:** Number of Days Notice: 30

**PERSON OR ORGANIZATION:**

Any person or organization to whom you have agreed in a written contract that notice of cancellation of this policy will be given, but only if:

1. You send us a written request to provide such notice, including the name and address of such person or organization, after the first Named Insured receives notice from us of the cancellation of this policy; and
2. We receive such written request at least 14 days before the beginning of the applicable number of days shown in this endorsement.

**ADDRESS:**

The address for that person or organization included in such written request from you to us.

**PROVISIONS**

If we cancel this policy for any legally permitted reason other than nonpayment of premium, and a number of days is shown for Cancellation in the Schedule above, we will mail notice of cancellation to the person or organization shown in such Schedule. We will mail such notice to the address shown in the Schedule above at least the number of days shown for Cancellation in such Schedule before the effective date of cancellation.

**4. Other Insurance**

If valid and collectible other insurance is available to the insured for a loss we cover under Coverages **A** or **B** of this Coverage Part, our obligations are limited as described in Paragraphs **a.** and **b.** below.

As used anywhere in this Coverage Part, other insurance means insurance, or the funding of losses, that is provided by, through or on behalf of:

- (i) Another insurance company;
- (ii) Us or any of our affiliated insurance companies, except when the Non cumulation of Each Occurrence Limit provision of Paragraph **5.** of Section **III** – Limits Of Insurance or the Non cumulation of Personal and Advertising Injury Limit provision of Paragraph **4.** of Section **III** – Limits of Insurance applies because the Amendment – Non Cumulation Of Each Occurrence Limit Of Liability And Non Cumulation Of Personal And Advertising Injury Limit endorsement is included in this policy;
- (iii) Any risk retention group; or
- (iv) Any self-insurance method or program, in which case the insured will be deemed to be the provider of other insurance.

Other insurance does not include umbrella insurance, or excess insurance, that was bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

As used anywhere in this Coverage Part, other insurer means a provider of other insurance. As used in Paragraph **c.** below, insurer means a provider of insurance.

**a. Primary Insurance**

This insurance is primary except when Paragraph **b.** below applies. If this insurance is primary, our obligations are not affected unless any of the other insurance is also primary. Then, we will share with all that other insurance by the method described in Paragraph **c.** below, except when Paragraph **d.** below applies.

**b. Excess Insurance**

- (1) This insurance is excess over:
  - (a) Any of the other insurance, whether primary, excess, contingent or on any other basis:
    - (i) That is Fire, Extended Coverage, Builder's Risk, Installation Risk or similar coverage for "your work";

- (ii) That is insurance for "premises damage";

- (iii) If the loss arises out of the maintenance or use of aircraft, "autos" or watercraft to the extent not subject to any exclusion in this Coverage Part that applies to aircraft, "autos" or watercraft;

- (iv) That is insurance available to a premises owner, manager or lessor that qualifies as an insured under Paragraph **4.** of Section **II** – Who Is An Insured, except when Paragraph **d.** below applies; or

- (v) That is insurance available to an equipment lessor that qualifies as an insured under Paragraph **5.** of Section **II** – Who Is An Insured, except when Paragraph **d.** below applies.

- (b) Any of the other insurance, whether primary, excess, contingent or on any other basis, that is available to the insured when the insured is an additional insured, or is any other insured that does not qualify as a named insured, under such other insurance.

- (2) When this insurance is excess, we will have no duty under Coverages **A** or **B** to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

- (3) When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (a) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

- (b) The total of all deductible and self-insured amounts under all that other insurance.

- (4) We will share the remaining loss, if any, with any other insurance that is not described in this Excess Insurance provision and was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

**c. Method Of Sharing**

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

**d. Primary And Non-Contributory Insurance If Required By Written Contract**

If you specifically agree in a written contract or agreement that the insurance afforded to an insured under this Coverage Part must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such insured which covers such insured as a named insured, and we will not share with that other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal and advertising injury" for which coverage is sought is caused by an offense that is committed;

subsequent to the signing of that contract or agreement by you.

**5. Premium Audit**

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.
- c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

**6. Representations**

By accepting this policy, you agree:

- a. The statements in the Declarations are accurate and complete;
- b. Those statements are based upon representations you made to us; and
- c. We have issued this policy in reliance upon your representations.

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

**7. Separation Of Insureds**

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

**8. Transfer Of Rights Of Recovery Against Others To Us**

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

**9. When We Do Not Renew**

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

**SECTION V – DEFINITIONS**

- 1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
  - a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and
  - b. Regarding websites, only that part of a website that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **CONTRACTUAL LIABILITY – RAILROADS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

### **SCHEDULE**

**Scheduled Railroad:**

Any railroad if you are required in a written contract or agreement to provide liability coverage for your construction or demolition operations performed within 50 feet of such railroad, provided such written contract or agreement is signed and executed before, and is in effect when, the "bodily injury" or "property damage" occurs.

**Designated Job Site:**

Any job site to which such written contract or agreement described in the Scheduled Railroad section of this Schedule applies.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

- 1. With respect to operations performed for, or affecting, a Scheduled Railroad at a Designated Job Site, the following replaces Paragraph **c.** of the definition of "insured contract" in the **DEFINITIONS** Section:
  - c.** Any easement or license agreement;
- 2. With respect to operations performed for, or affecting, a Scheduled Railroad at a Designated Job Site, paragraph **f.(1)** of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.



**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **XTEND ENDORSEMENT FOR CONTRACTORS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**GENERAL DESCRIPTION OF COVERAGE** – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to this Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li><b>A. Who Is An Insured – Unnamed Subsidiaries</b></li> <li><b>B. Blanket Additional Insured – Governmental Entities – Permits Or Authorizations Relating To Operations</b></li> </ul> | <ul style="list-style-type: none"> <li><b>C. Incidental Medical Malpractice</b></li> <li><b>D. Blanket Waiver Of Subrogation</b></li> <li><b>E. Contractual Liability – Railroads</b></li> <li><b>F. Damage To Premises Rented To You</b></li> </ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**PROVISIONS**

**A. WHO IS AN INSURED – UNNAMED SUBSIDIARIES**

The following is added to **SECTION II – WHO IS AN INSURED**:

Any of your subsidiaries, other than a partnership, joint venture or limited liability company, that is not shown as a Named Insured in the Declarations is a Named Insured if:

- a. You are the sole owner of, or maintain an ownership interest of more than 50% in, such subsidiary on the first day of the policy period; and
- b. Such subsidiary is not an insured under similar other insurance.

No such subsidiary is an insured for "bodily injury" or "property damage" that occurred, or "personal and advertising injury" caused by an offense committed:

- a. Before you maintained an ownership interest of more than 50% in such subsidiary; or
- b. After the date, if any, during the policy period that you no longer maintain an ownership interest of more than 50% in such subsidiary.

For purposes of Paragraph 1. of Section II – Who Is An Insured, each such subsidiary will be deemed to be designated in the Declarations as:

- a. An organization other than a partnership, joint venture or limited liability company; or
- b. A trust;

as indicated in its name or the documents that govern its structure.

**B. BLANKET ADDITIONAL INSURED – GOVERNMENTAL ENTITIES – PERMITS OR AUTHORIZATIONS RELATING TO OPERATIONS**

The following is added to **SECTION II – WHO IS AN INSURED**:

Any governmental entity that has issued a permit or authorization with respect to operations performed by you or on your behalf and that you are required by any ordinance, law, building code or written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" arising out of such operations.

The insurance provided to such governmental entity does not apply to:

- a. Any "bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the governmental entity; or
- b. Any "bodily injury" or "property damage" included in the "products-completed operations hazard".

**C. INCIDENTAL MEDICAL MALPRACTICE**

1. The following replaces Paragraph **b.** of the definition of "occurrence" in the **DEFINITIONS** Section:

- b.** An act or omission committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to a person, unless you are in the business or occupation of providing professional health care services.

2. The following replaces the last paragraph of Paragraph **2.a.(1)** of **SECTION II – WHO IS AN INSURED**:

Unless you are in the business or occupation of providing professional health care services, Paragraphs **(1)(a), (b), (c)** and **(d)** above do not apply to "bodily injury" arising out of providing or failing to provide:

- (a)** "Incidental medical services" by any of your "employees" who is a nurse, nurse assistant, emergency medical technician or paramedic; or

- (b)** First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

3. The following replaces the last sentence of Paragraph **5.** of **SECTION III – LIMITS OF INSURANCE**:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph **2.**, **Exclusions**, of **SECTION I – COVERAGES – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**:

**Sale Of Pharmaceuticals**

"Bodily injury" or "property damage" arising out of the violation of a penal statute or ordinance relating to the sale of

pharmaceuticals committed by, or with the knowledge or consent of, the insured.

5. The following is added to the **DEFINITIONS** Section:

"Incidental medical services" means:

- a.** Medical, surgical, dental, laboratory, x-ray or nursing service or treatment, advice or instruction, or the related furnishing of food or beverages; or

- b.** The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.

6. The following is added to Paragraph **4.b.**, **Excess Insurance**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

This insurance is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to any of your "employees" for "bodily injury" that arises out of providing or failing to provide "incidental medical services" to any person to the extent not subject to Paragraph **2.a.(1)** of Section II – Who Is An Insured.

**D. BLANKET WAIVER OF SUBROGATION**

The following is added to Paragraph **8.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

- a.** "Bodily injury" or "property damage" that occurs; or

- b.** "Personal and advertising injury" caused by an offense that is committed;

subsequent to the execution of the contract or agreement.

**E. CONTRACTUAL LIABILITY – RAILROADS**

1. The following replaces Paragraph **c.** of the definition of "insured contract" in the **DEFINITIONS** Section:

- c.** Any easement or license agreement;

2. Paragraph **f.(1)** of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.

**F. DAMAGE TO PREMISES RENTED TO YOU**

The following replaces the definition of "premises damage" in the **DEFINITIONS** Section:

"Premises damage" means "property damage" to:

- a. Any premises while rented to you or temporarily occupied by you with permission of the owner; or
- b. The contents of any premises while such premises is rented to you, if you rent such premises for a period of seven or fewer consecutive days.

**Endorsement No: 19**

This Endorsement, effective: January 1, 2021

(at 12:01 A.M. standard time at the address of the **Named Insured** as shown in Item 1. B. of the Declarations)

forms a part of Policy No: 0308-0364

Issued to: Hamilton Construction Co.

by: Allied World National Assurance Company

**GENERAL AGGREGATE LIMIT OF INSURANCE  
PER PROJECT ENDORSEMENT**

It is agreed that Section **III. LIMITS OF INSURANCE**, Paragraph B. is amended to include the following additional provision:

The General Aggregate Limit of Insurance shown in Item 3.B. of the Declarations applies separately to each project for which coverage applies under this policy if:

1. You are obligated by written contract to procure a separate Limit of Insurance for such project(s); and
2. The **Scheduled Underlying Insurance** also provides a separate Limit of Insurance for such project(s);

provided, however:

- a. the insurance provided under this policy will not exceed the lesser of the Limits of Insurance of this policy or the minimum Limits of Insurance you agreed to procure in such written contract; and
- b. the most we will pay under this policy for the sum of all damages under the General Aggregate Limits is two (2) times the General Aggregate Limit of Insurance shown in Item 3.B. of the Declarations.

In no event will the Products-Completed Operations Aggregate Limit of Insurance exceed the Limit of Insurance shown in Item 3.C. of the Declarations.

All other terms and conditions of this policy remain unchanged.

By:



\_\_\_\_\_  
**Joseph Cellura**

**Title: President, North American Casualty Division**

**Date: February 23, 2021**

- A. **Advertisement** means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
1. notices that are published include material placed on the internet or on similar electronic means of communication; and
  2. regarding web-sites, only that part of a web-site that is about your goods, products or services for the purposes of attracting customers or supporters is considered an **Advertisement**.
- B. **Auto** means:
1. a land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
  2. any other land vehicle that is subject to a compulsory or financial responsibility law in the state where it is licensed or principally garaged. However, **Auto** does not include **Mobile Equipment**.
- C. **Bodily Injury** means bodily injury, sickness or disease sustained by any person, including death, mental anguish, mental injury, shock or humiliation resulting from any of these at any time.
- D. **Hostile Fire** means a fire that becomes uncontrollable or breaks out from where it was intended to be.
- E. **Impaired Property** means tangible property, other than **Your Product** or **Your Work**, that cannot be used or is less useful because:
1. it incorporates **Your Product** or **Your Work** that is known or thought to be defective, deficient, inadequate or dangerous; or
  2. you have failed to fulfill the terms of a contract or agreement;
- if such property can be restored to use by:
1. the repair, replacement, adjustment or removal of **Your Product** or **Your Work**; or
  2. your fulfilling the terms of the contract or agreement.
- F. **Insured** means:
1. the **Named Insured**;
  2. if you are designated in the Declarations as:
    - a. an individual, you and your spouse are **Insureds**, but only with respect to the conduct of a business of which you are the sole owner;
    - b. a partnership or joint venture, you are an **Insured**. Your members, your partners, and their spouses are also **Insureds**, but only with respect to the conduct of your business;
    - c. a limited liability company, you are an **Insured**. Your members are also **Insureds**, but only with respect to the conduct of your business. Your managers are **Insureds**, but only with respect to their duties as your managers;

- d. an organization other than a partnership, joint venture or limited liability company, you are an **Insured**. Your executive officers and directors are **Insureds**, but only with respect to their duties as your officers or directors. Your stockholders are also **Insureds**, but only with respect to their liability as stockholders;
  - e. a trust, you are an **Insured**. Your trustees are also **Insureds**, but only with respect to their duties as trustees;
3. your employees other than your executive officers (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business;
  4. your volunteer workers only while performing duties related to the conduct of your business;
  5. any person (other than your employee or volunteer worker) or organization while acting as your real estate manager;
  6. your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this policy;
  7. any person or organization, other than the **Named Insured**, included as an Additional Insured under **Scheduled Underlying Insurance**, but not for broader coverage than would be afforded by such **Scheduled Underlying Insurance**.

Notwithstanding any of the above:

- a. no person or organization is an **Insured** with respect to the conduct of any current, past or newly formed partnership, joint venture or limited liability company that is not designated as a **Named Insured** in Item 1. of the Declarations; and
  - b. no person or organization is an **Insured** under this policy who is not an **Insured** under applicable **Scheduled Underlying Insurance**. This provision shall not apply to any organization set forth in the definition of **Named Insured** in subparagraphs J. 2 and 3.
- G. **Insured Contract** means that part of any contract or agreement pertaining to your business under which any **Insured** assumes the tort liability of another party to pay for **Bodily Injury** or **Property Damage** to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

**Insured Contract** does not include that part of any contract or agreement:

1. that indemnifies a railroad for **Bodily Injury** or **Property Damage** arising out of construction or demolition operations, within fifty (50) feet of any railroad property and affecting any railroad bridge or trestle, tracks, road-beds, tunnel, underpass or crossing;
2. that indemnifies an architect, engineer or surveyor for injury or damage arising out of:
  - a. preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
  - b. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or
3. under which the **Insured**, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the **Insured's** rendering or failure to render professional services,

**Endorsement No:**

This Endorsement, effective: January 1, 2021

(at 12:01 A.M. standard time at the address of the **Named Insured** as shown in Item 1. B. of the Declarations)

forms a part of Policy No: 0308-0364

Issued to: Hamilton Construction Co.

by: Allied World National Assurance Company

**AMENDMENT TO DEFINITION OF INSURED – ADDITIONAL INSURED PRIMARY AND NON-CONTRIBUTORY WHERE REQUIRED BY CONTRACT**

It is agreed that this policy is amended as follows:

Section **VI. DEFINITIONS**, Paragraph F. **Insured** is amended to include the following additional provision:

Any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement that such person or organization is an additional **Insured** on your policy, but only if such person or organization is included under the coverage provided by **Scheduled Underlying Insurance**. Such person or organization is an additional **Insured** only with respect to liability arising out of **Your Work** at the location designated. Coverage afforded to these additional **Insured** parties will be primary to, and non-contributory with, any other insurance available to that person or organization where required of you by written contract or agreement.

The above provision does not apply to liability arising out of the sole negligence of such person or organization for its own acts or omissions or those of its employees or anyone else acting on its behalf.

All other terms and conditions of this policy remain unchanged.

**By:**



---

**Joseph Cellura**

**Title: President, North American Casualty Division**

**Date: April 1, 2020**

Policy #03080364

2. separately to each **Insured** against whom claim is made or **Suit** is brought.

**O. Transfer of Rights of Recovery**

1. If any **Insured** has rights to recover all or part of any payment we have made under this policy, those rights are transferred to us. The **Insured** must do nothing after loss to impair these rights and must help us enforce them.
2. Any recoveries will be applied as follows:
  - a. any person or organization, including the **Insured**, that has paid an amount in excess of the applicable Limits of Insurance of this policy will be reimbursed first;
  - b. we then will be reimbursed up to the amount we have paid; and
  - c. lastly, any person or organization, including the **Insured** that has paid an amount over which this policy is excess is entitled to claim the remainder.

Expenses incurred in the exercise of rights of recovery will be apportioned among the persons or organizations, including the **Insured**, in the ratio of their respective recoveries as finally settled.

3. If, prior to the time of an **Occurrence**, you waive any right of recovery against a specific person or organization for injury or damage as required under an **Insured Contract**, we will also waive any rights we may have against such person or organization

**P. Transfer of Your Rights and Duties**

Your rights and duties under this policy may not be transferred without our written consent. If you die or are legally declared bankrupt, your rights and duties will be transferred to your legal representative, but only while acting within the scope of duties as your legal representative. However, notice of cancellation sent to the first **Named Insured** designated in Item 1.A. of the Declarations and mailed to the address designated in Item 1.B. of the Declarations of this policy will be sufficient notice to effect cancellation of this policy.

**Q. Unintentional Failure to Disclose**

Your failure to disclose all hazards existing as of the inception date of the policy will not prejudice you with respect to the coverage afforded by this policy, provided that any such failure or omission is not intentional.

**R. Violation of Economic or Trade Sanctions**

If coverage for a claim or **Suit** under this policy is in violation of any United States of America economic or trade sanctions, including but not limited to, sanctions administered and enforced by the United States Treasury Department's Office of Foreign Assets Control ("OFAC"), then coverage for that claim or **Suit** will be null and void.

**VI. DEFINITIONS**



# Addendum

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DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOAST REGION DESIGN AND ENGINEERING SERVICES  
6860 GLACIER HIGHWAY  
JUNEAU, ALASKA 99801-7999  
TELEPHONE: (907) 465-4489  
FAX: (907) 465-4238

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TO ALL PROSPECTIVE BIDDERS AND OTHERS INTERESTED IN PROJECT NO.  
SFHWY00072/0902043; KTN HERRING COVE BRIDGE IMPORVEMENT

**ADDENDUM NO. 1**

**September 10, 2021**

This transmittal consists of Thirteen (13) pages including this cover sheet. **If any pages are missing or clarification is needed, contact the Southcoast Regional Contracts Office immediately.**

**The Contract Documents are modified as follows:**

**Bid Schedule.** Replace the Bid Schedule in its entirety with the attached Bid Schedule, identified as Attachment No. 1 to this addendum.

- Item 401.0015.0000 Asphalt Material Price Adjustment. Add item to the bid schedule with a quantity of 1.00 CS.
- Item 505.0014.0000 Special Pile Excavation. Delete item from the bid schedule.
- Item 644.0006.0000 Vehicles. Delete item from the bid schedule.

**The Plans are modified as follows:**

**Plansheet C-1:** Replace C-1 with attached sheet C-1 identified as Attachment No. 2 to this addendum.

**Bidders are required to acknowledge this addendum on the proposal form or by FAX prior to the bid opening.**

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Addendum Number (1) received.  
SFHWY00072/0902043; KTN HERRING COVE BRIDGE IMPROVEMENT

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Name/Title

Date

Firm

Letting ID: SFHWY00072  
Letting Date & Time: 7/30/2019 2:00 PM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Addendum- 1 ;Attachment- 1  
Proposal ID: SFHWY00072  
Federal #: 0902043

**STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**Bid Forms - Addendum- 1**

**Bid Cover Sheet**

**Letting ID: SFHWY00072**  
7/30/2019 2:00 PM

**Proposal ID: SFHWY00072**

**KTN Herring Cove Bridge Improvement**

Project ID(s):  
SFHWY00072

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Company Name

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Company Address

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Phone Number

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Email

Vendor ID: \_\_\_\_\_

Bid Forms  
Page 1

Addendum- 1

### Bid Schedule - Addendum- 1

Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
10	201.0009.0000	Clearing and Grubbing	All Required	Lump Sum	Lump Sum	
20	201.2001.0000	Invasive Plant Species Control, Removal, and Disposal	1,765	Square Yard		
30	202.0001.0000	Removal of Structures and Obstructions	All Required	Lump Sum	Lump Sum	
40	202.0002.0000	Removal of Pavement	4,570	Square Yard		
50	202.0004.0000	Removal of Culvert Pipe	89	Linear Foot		
60	202.0010.0000	Single Mail Box Installation	1	Each		
70	202.0012.0000	Double Mail Box Installation	11	Each		
80	202.0023.0000	Removal of Bridge No. 253	All Required	Lump Sum	Lump Sum	
90	203.0002.0000	Rock Excavation	750	Cubic Yard		
100	203.0003.0000	Unclassified Excavation	1,158	Cubic Yard		
110	203.0006.0000	Borrow , Shot Rock	4,730	Ton		
120	203.0006.000B	Borrow, Type B	1,386	Ton		
130	203.2008.0000	Special Ditch	121	Linear Foot		
140	205.0001.0000	Excavation for Structures	650	Cubic Yard		
150	205.0006.0000	Structural Fill	689	Cubic Yard		
160	301.0001.00D1	Aggregate Base Course, Grading D-1	1,634	Ton		
170	306.0001.0000	ATB	965	Ton		
180	401.0001.002B	HMA, Type II; Class B	1,163	Ton		
190	401.0004.5828	Asphalt Binder, Grade PG 58-28	70	Ton		
200	401.0005.002B	HMA, Temporary, Type II; Class B	120	Ton		
210	401.0010.0001	Pavement Smoothness Price Adjustment, Method 1	All Required	Contingent Sum	Contingent Sum	\$21,888.53
220	401.0015.0000	Asphalt Material Price Adjustment	All Required	Contingent Sum	Contingent Sum	\$1.00
230	402.0001.STE1	STE-1 Asphalt for Tack Coat	2.2	Ton		
240	501.0001.0000	Class A Concrete	All Required	Lump Sum	Lump Sum	
250	501.0007.0000	Precast Concrete Member, 129'-0" Decked Bulb-Tee	11	Each		
260	501.0007.0000	Precast Concrete Member, Lagging	64	Each		
270	503.0001.0000	Reinforcing Steel	All Required	Lump Sum	Lump Sum	

Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
280	503.0002.0000	Epoxy-Coated Reinforcing Steel	All Required	Lump Sum	Lump Sum	
290	505.0005.0001	Furnish Structural Steel H-Piles, HP 12x74	218	Linear Foot		
300	505.0005.0001	Furnish Structural Steel H-Piles, HP 14x117	279.8	Linear Foot		
310	505.2006.0000	Install Structural Steel H-Piles, 14x117	13	Each		
320	505.2006.0000	Install Structural Steel H-Piles, HP 12x74	10	Each		
330	507.0001.0003	Steel Bridge Railing, 3-Tube	342	Linear Foot		
340	507.0002.0000	Pedestrian Railing	342	Linear Foot		
350	507.0006.0000	Cable Safety Railing	102	Linear Foot		
360	508.0001.0000	Waterproofing Membrane, Spray-Applied	All Required	Lump Sum	Lump Sum	
370	603.0009.0048	Corrugated Aluminum Pipe 48 Inch	56	Linear Foot		
380	603.0021.0024	Corrugated Polyethylene Pipe 24 Inch	128	Linear Foot		
390	604.0001.0001	Storm Sewer Manhole, Type I	1	Each		
400	604.0004.0000	Adjust Existing Manhole	1	Each		
410	606.0001.0000	W-Beam Guardrail	1,336	Linear Foot		
420	606.0006.0000	Removing and Disposing of Guardrail	1,771	Linear Foot		
430	606.0013.0000	Parallel Guardrail Terminal	4	Each		
440	606.0016.0000	Transition Rail	4	Each		
450	606.2014.0000	Guardrail Paving	1,645	Linear Foot		
460	606.2015.0000	Guardrail Post Drilling or Spudding	245	Each		
470	608.0001.0004	Concrete Sidewalk, 4 inches thick	14	Square Yard		
480	608.0003.0000	Asphalt Sidewalk	226	Square Yard		
490	608.0006.0000	Curb Ramp	2	Each		
500	609.2004.0000	Valley Gutter	181	Linear Foot		
510	611.0001.0001	Riprap, Class I	570	Cubic Yard		
520	611.0001.0003	Riprap, Class III	3,100	Cubic Yard		
530	615.0001.0000	Standard Sign	80	Square Foot		
540	618.0004.0000	Seeding	1,161	Square Yard		
550	619.2013.0000	Bonded Fiber Matrix (BFM)	960	Pound		

Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
560	620.0001.0000	Topsoil	1,161	Square Yard		
570	625.0001.0000	Pipe Hand Rail	158	Linear Foot		
580	627.0003.0000	Install Valve Box	1	Each		
590	627.0006.0000	Fire Hydrant Relocation	1	Each		
600	627.0010.0000	Adjustment of Valve Box	9	Each		
610	627.2020.0000	Water Main Relocation	3	Each		
620	627.2028.0000	Water Line Survey	4	Each		
630	639.0001.0000	Driveway	7	Each		
640	640.0001.0000	Mobilization and Demobilization	All Required	Lump Sum	Lump Sum	
650	640.0004.0000	Worker Meals and Lodging, or Per Diem	All Required	Lump Sum	Lump Sum	
660	641.0001.0000	Erosion, Sediment and Pollution Control Administration	All Required	Lump Sum	Lump Sum	
670	641.0003.0000	Temporary Erosion, Sediment and Pollution Control	All Required	Lump Sum	Lump Sum	
680	641.0005.0000	Temporary Erosion, Sediment and Pollution Control by Directive	All Required	Contingent Sum	Contingent Sum	\$13,635.87
690	641.0006.0000	Withholding	All Required	Contingent Sum	Contingent Sum	\$1.00
700	642.0001.0000	Construction Surveying	All Required	Lump Sum	Lump Sum	
710	642.0003.0000	Three Person Survey Party	100	Hour		
720	642.0006.0000	Replace Existing with Primary Monument	6	Each		
730	642.0007.0000	Replace Existing with Secondary Monument	2	Each		
740	642.0009.0000	Reference Existing Monument	8	Each		
750	642.0010.0000	Monument Case	4	Each		
760	643.0002.0000	Traffic Maintenance	All Required	Lump Sum	Lump Sum	
770	643.0003.0000	Permanent Construction Signs	All Required	Lump Sum	Lump Sum	
780	643.0023.0000	Traffic Price Adjustment	All Required	Contingent Sum	Contingent Sum	\$1.00
790	643.0025.0000	Traffic Control	All Required	Contingent Sum	Contingent Sum	\$128,036.34
800	643.0031.0000	Interim Pavement Marking	All Required	Lump Sum	Lump Sum	
810	643.0032.0000	Flagging	All Required	Contingent Sum	Contingent Sum	\$474,903.30
820	644.0001.0000	Field Office	All Required	Lump Sum	Lump Sum	
830	644.0002.0000	Field Laboratory	All Required	Lump Sum	Lump Sum	

Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
840	644.0003.0000	Curing Shed	All Required	Lump Sum	Lump Sum	
850	644.0015.0000	Nuclear Testing Equipment Storage Shed	1	Each		
860	644.2004.0000	Engineering Communications	All Required	Contingent Sum	Contingent Sum	\$8,322.36
870	644.2008.0000	Web-based Submittals	All Required	Lump Sum	Lump Sum	
880	645.0001.0000	Training Program, 2	1,000	Labor Hour		
890	660.0003.0000	Highway Lighting System Complete, Herring Cove	All Required	Lump Sum	Lump Sum	
900	660.0007.0000	Temporary Signal System Complete, Herring Cove Bridge	All Required	Lump Sum	Lump Sum	
910	670.0001.0000	Painted Traffic Markings	All Required	Lump Sum	Lump Sum	
920	670.0008.0000	Recessed Pavement Marker	34	Each		
930	670.2009.0000	MMA Pavement Markings, Transverse and Gore Surface Applied	140	Square Foot		
940	680.2000.0000	Telecommunications Utility Relocation	All Required	Lump Sum	Lump Sum	
950	684.2000.0000	Television Utility Relocation	All Required	Lump Sum	Lump Sum	
960	687.2000.0000	Power Utility Relocation	All Required	Lump Sum	Lump Sum	

**Total Bid:** \_\_\_\_\_

**STATE OF ALASKA**

**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**BID SCHEDULE INFORMATION - Addendum- 1**

**KTN Herring Cove Bridge Improvement**

**Proposal ID: SFHWY00072**

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Bidders Please Note: Before preparing this Bid Schedule read carefully the Invitation to Bid.

The Bidder shall insert a unit bid price or a lump sum price in figures for each pay item in the bid schedule. The estimated quantity of work for payment on a lump sum basis will be "all required" and as further specified in the contract documents.

Wherever a contingent amount is shown for any item in this bid schedule such amount shall govern and be included in the bid total.

The bidder shall insert a price for each pay item listed below. Type or print legibly.

Additional information, including the basis of award, can be found in the Specifications, Information to Bidders, General Provisions, and General Conditions, as applicable.

Conditioned or qualified bids will be considered nonresponsive.

**STATE OF ALASKA**

**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**BID ATTACHMENTS - Addendum- 1**

**KTN Herring Cove Bridge Improvement**

**Proposal ID: SFHWY00072**

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It is the bidder's responsibility to ensure all documents required for this proposal per the Required Documents form have been attached. If submitting manually, all attachments must be printed and submitted with the bid. For multiple-project bid openings, if allowed by the specifications, bidders may attach the referenced statement to disqualify their successful bids. Scanned copies of a bid guaranty will not be accepted as an attachment to your electronic bid submittal and your bid will be found nonresponsive. A bid guaranty other than electronic bond verification through SurePathNetwork or Surety2000 with a valid Bond ID must be hand delivered or mailed to the designated regional contracts office and received before the time specified in the Invitation To Bid.



**STATE OF ALASKA**

**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**ADDENDA ACKNOWLEDGMENT - Addendum- 1**

**KTN Herring Cove Bridge Improvement**

**Proposal ID: SFHWY00072**

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An addendum is a clarification, correction, or change to the plans, specifications, or other documents in the bid package issued graphically or in writing by the Department after the advertisement but prior to bid opening.

The bidder can view, download, and print addenda from the AKDOT&PF's BidExpress Proposal page. The bidder is solely responsible for obtaining, reviewing, applying and acknowledging all addenda. Bidder's failure to acknowledge all addenda that the Department has issued for this advertisement may cause the Department to reject the bid as nonresponsive.

The Undersigned acknowledges receipt of the following addenda (give number and date of each).

<b>Addendum Number:</b>	<b>Date Issued:</b>	/	/	(MM/DD/YYYY)
<b>Addendum Number:</b>	<b>Date Issued:</b>	/	/	(MM/DD/YYYY)
<b>Addendum Number:</b>	<b>Date Issued:</b>	/	/	(MM/DD/YYYY)
<b>Addendum Number:</b>	<b>Date Issued:</b>	/	/	(MM/DD/YYYY)
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<b>Addendum Number:</b>	<b>Date Issued:</b>	/	/	(MM/DD/YYYY)
<b>Addendum Number:</b>	<b>Date Issued:</b>	/	/	(MM/DD/YYYY)

Letting ID: SFHWY00072

STATE OF ALASKA

Addendum- 1 ;Attachment- 1

Proposal ID: SFHWY00072

Letting Date & Time: 7/30/2019 2:00 PM

DEPARTMENT OF TRANSPORTATION

Federal #: 0902043

AND PUBLIC FACILITIES

**Additional Addenda Acknowledgment (if required):** [Addendum XX, MM/DD/YYYY]

Vendor ID: \_\_\_\_\_

Bid Forms

Addendum- 1

Page 9

**STATE OF ALASKA**

**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**BIDDER'S ACKNOWLEDGMENT & CERTIFICATION - Addendum- 1**

**KTN Herring Cove Bridge Improvement**

**Proposal ID: SFHWY00072**

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The undersigned bidder acknowledges that:

1. It has carefully examined the bid package; the Department has afforded the bidder sufficient opportunity to examine the site of the work; it is familiar with regulatory and construction-related code requirements that may affect cost, progress, and performance of the work; and it possesses sufficient information to formulate its bid for performance of the project according to the terms and conditions of the bid package;

2. The quantities, where specified in the bid schedule or on the plans for this project, are approximate only and subject to increase or decrease and the undersigned bidder is willing to perform increased or decreased quantities of work at unit prices bid under the conditions set forth in the bid package;

3. If the Department accepts its bid, the bidder will execute the advertised contract and provide required bonds within the time and in the amount specified in the Invitation to Bid; if the bidder fails to do so, it further agrees that it will forfeit its bid bond to the Department as liquidated damages and that the Department may award the contract to another bidder;

4. If the Department awards the bidder the advertised contract, the bidder will furnish and deliver all materials and do all work and labor required for the timely completion of the project according to the plans and specifications and for the amount and prices stated in its bid schedule, which is made a part of this bid; and

5. In a matter relating to a procurement or a contract claim, it is unlawful for a person to make a misrepresentation to the State through a trick, scheme, or device. AS 36.30.687.

By applying my signature below, I certify under penalty of perjury that:

1. The undersigned bidder has not made a misrepresentation to the Department in connection with this procurement;
2. Consistent with 2 AAC 12.800, the undersigned bidder has neither directly nor indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding. This bidder, its employees, and its agents have not divulged the contents of this proposal to any person who is not an employee or agent of the bidder or the surety furnishing bond(s) for bidder on this project; nor will they divulge such contents before the Department's public opening of bidder's proposal; and
3. I am the duly appointed representative of the undersigned bidder, who has authorized and empowered me to legally bind it concerning this bid proposal.

---

Company Name

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Company Address

---

Phone Number

---

Email

---

Signature

---

Printed Name and Title

/ / (MM/DD/YYYY)

---

Date

# Addendum

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DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHCOAST REGION DESIGN AND ENGINEERING SERVICES  
6860 GLACIER HIGHWAY  
JUNEAU, ALASKA 99801-7999  
TELEPHONE: (907) 465-4489  
FAX: (907) 465-4238

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TO ALL PROSPECTIVE BIDDERS AND OTHERS INTERESTED IN PROJECT NO.

**SFHWHY00072/0902043; KTN HERRING COVE BRIDGE IMPORVEMENT**

**ADDENDUM NO. 2**

**September 21, 2021**

This transmittal consists of FOUR (4) pages including this cover sheet. **If any pages are missing or clarification is needed, contact the Southcoast Regional Contracts Office immediately.**

**The Contract Documents are modified as follows:**

**Bid Schedule.** *Replace the Bid Schedule in its entirety with the attached Bid Schedule*, identified as Attachment No. 1 to this addendum.

- Item 205.2002.0000 Sheeting, Shoring and Bracing. Add item to the bid schedule with a quantity of 1.00 LS.
- Item 627.2018.0000 Relocate, Water Main. Add item to the bid schedule with a quantity of 1.00 CS.
- Item 627.2020.0000 Water Main Relocation. Delete item from the bid schedule.

**The Specifications are modified as follows:**

Add the following Section:

## **SECTION 207 SHEETING, SHORING AND BRACING**

### **SPECIAL PROVISION**

**207-1.01 DESCRIPTION.** Work shall consist of all operations pertaining to furnishing and installing sheeting, shoring, and bracing to support temporary excavations, adjacent facilities including existing structures and utilities, to prevent any earth movement that might damage adjacent facilities or injure workmen or the public. The use of portable steel shielding is also included in this work.

**207-2.01 MATERIALS.** The Contractor shall obtain written approval from a Professional Engineer for all sheeting, bracing and shoring materials and/or equipment to be used on the Project. Materials used shall be in

accordance with Section 1926.651, Subparagraph 1 of the Federal Register, Volume 37, No. 243, page 27553, OSHA Regs., December 1972, or most current OSHA publication.

**207-3.01 CONSTRUCTION REQUIREMENTS.** All construction requirements for design, installation, and use of sheeting, shoring, bracing, and shielding shall be in accordance with current safety regulations. All sheeting, shoring bracing, and shielding shall be designed by a Professional Engineer commissioned by the Contractor. All shop drawings and design data shall be submitted to the Engineer for approval.

No sheeting, shoring, nor bracing will be permitted to remain.

**207-4.01 METHOD OF MEASUREMENT.** 205.2002.0000 Sheeting, shoring and bracing will not be measured for payment, but will be paid for at a lump sum price to include all engineering, labor, equipment and materials necessary to furnish, install, repair, maintain and remove shoring, sheeting and bracing.

**207-5.01 BASIS OF PAYMENT.**

Payment will be made under:

Pay Item	Pay Unit
205.2002.0000 Sheeting, Shoring and Bracing	Lump Sum

**Section 627 Water System**

*Modify the Special Provision as follows:*

**627-4.01 METHOD OF MEASUREMENT.** Remove #8 and replace with the following:

8. Item 627.2018.0000 Relocate, Water Main. By contingent sum.

**627-5.01 BASIS OF PAYMENT.** Remove the fifth paragraph and replace with the following:

Item 627.2018.0000 Relocate, Water Main. At the contingent sum prices specified for all labor, supervision, materials, equipment, and incidentals to relocate water mains. Prices for this item will be by time and materials according to Subsection 109-1.05 or by mutual agreement between the Engineer and Contractor. All Engineering, Design, Permits, Excavation, Temporary Water Bypasses, Bedding, Backfill, Piping, Fittings, Fusions, Tracer wire, Marking tape, Flushing, Thrust Blocks, Testing, Disinfecting, As-Built, and associated work necessary to construct this item is considered subsidiary. Reconstructing affected residential water service lines is considered subsidiary.

Delete Item 627.2020.0000 Water Main Relocation from the pay item table and replace with:

Pay Item	Pay Unit
627.2018.0000 Relocate, Water Main	Contingent Sum

**Section 643 Traffic Maintenance**

Modify the Special Provision as follows:

**643-5.01 BASIS OF PAYMENT.** Remove #7 and replace with the following:

7. Flagging and Pilot Car. Payment includes all required labor, vehicles, radios, flagger paddles and pilot car signs, and transportation to and from the worksite. Work done by the Worksite Traffic Supervisor or Traffic Control Technician is subsidiary to Traffic Maintenance. Payment for item 643.0032.0000, Flagging will be paid on a contingent sum basis at the rate of \$64.00/hour. A change order/directive is not required for the flagging pay item.

Remove Table 643-5 643.025.0000 Traffic Control Rate Schedule 03/2019 and replace with the following:

<b>Table 643-5 643.0025.0000 Traffic Control Rate Schedule 10/2021</b>		
<b>Traffic Control Device</b>	<b>Pay Unit</b>	<b>Unit Rate</b>
Construction Signs	Each/Day	\$6.50
Special Construction Signs	Square Foot	\$31.00
Type II Barricade	Each/Day	\$3.30
Type III Barricade	Each/Day	\$11.00
Traffic Cone or Tubular Marker	Each/Day	\$1.10
Drums	Each/Day	\$3.30
Temporary Guardrail	Linear Foot	\$25.00
Portable Barrier	Linear Foot	\$8.00
Temporary Crash Cushion / non-redirective Water filled barrier (all required per end)	Each	\$2,500.00
Temporary Crash Cushion / non-redirective Water filled Barrels (all required per end)	Each	\$3,285.00
Temporary Crash Cushion / non-redirective Sand filled Barrels (all required per end)	Each	\$4,325.00
Temporary Crash Cushion / Redirective	Each	\$9,230.00
Temporary Sidewalk Surfacing	Square Foot	\$2.00
Portable Chain-Link Fence	Linear Foot	\$5.00
Pedestrian Barrier	Linear Foot	\$1.00
Flexible Markers (Flat Whip, Reflective)	Each	\$60.00
<b>Electronic Boards, Panels, and Signals</b>		
Sequential Arrow Panel	Each/Day	\$40.00
Portable Changeable Message Board Sign	Each/Day	\$130.00
<b>Cars and Trucks w/driver</b>		
Pilot Car	Hour	\$77.00
Watering Truck – up to 4900 gallon capacity	M-Gallon	\$28.00
Watering Truck – more than 4900 gallon capacity	M-Gallon	\$21.00
Street Sweeping (Regenerative Sweeper, Vacuum Sweeper, Mechanical or Power Broom with vacuum)	Hour	\$214.00
40,000 GVW Truck with Crash Attenuator	Hour	\$162.00

**The Plans are modified as follows:**

Plansheet C-1: Replace C-1 with attached sheet C-1 identified as Attachment No. 2 to this addendum.

Plansheet D-2: Replace D-2 with attached sheet D-2 identified as Attachment No. 3 to this addendum.

**You can download this addendum from the following website:**

**[http://www.dot.state.ak.us/apps/contracts?ACTION=BIDCAL&REGION\\_CODE=S](http://www.dot.state.ak.us/apps/contracts?ACTION=BIDCAL&REGION_CODE=S)**

**Bidders are required to acknowledge this addendum on the proposal form or  
by FAX prior to the bid opening.**

---

Addendum Number (2) received.

SFHWHY00072/0902043; KTN HERRING COVE BRIDGE IMPROVEMENT

---

Name/Title

Date

Firm



Letting ID: SFHWY00072  
Letting Date & Time: 9/23/2021 2:00 PM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
Federal #: 0902043

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

Bid Forms - Addendum 2

Bid Cover Sheet

Letting ID: SFHWY00072  
9/23/2021 2:00 PM

Proposal ID: SFHWY00072

KTN Herring Cove Bridge Improvement

Project ID(s):  
SFHWY00072

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Company Name

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Company Address

---

Phone Number

---

Email

Letting ID: SFHWY00072  
 Letting Date & Time: 9/23/2021 2:00 PM

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
 Federal #: 0902043

## Bid Schedule - Addendum 2

### Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
10	201.0009.0000	Clearing and Grubbing	All Required	Lump Sum	Lump Sum	
20	201.2001.0000	Invasive Plant Species Control, Removal, and Disposal	1,765	Square Yard		
30	202.0001.0000	Removal of Structures and Obstructions	All Required	Lump Sum	Lump Sum	
40	202.0002.0000	Removal of Pavement	4,570	Square Yard		
50	202.0004.0000	Removal of Culvert Pipe	89	Linear Foot		
60	202.0010.0000	Single Mail Box Installation	1	Each		
70	202.0012.0000	Double Mail Box Installation	11	Each		
80	202.0023.0000	Removal of Bridge No. 253	All Required	Lump Sum	Lump Sum	
90	203.0002.0000	Rock Excavation	750	Cubic Yard		
100	203.0003.0000	Unclassified Excavation	1,158	Cubic Yard		
110	203.0006.0000	Borrow , Shot Rock	4,730	Ton		
120	203.0006.000B	Borrow, Type B	1,386	Ton		
130	203.2008.0000	Special Ditch	121	Linear Foot		
140	205.0001.0000	Excavation for Structures	650	Cubic Yard		
150	205.0006.0000	Structural Fill	689	Cubic Yard		
160	205.2002.0000	Sheeting, Shoring, and Bracing	All Required	Lump Sum	Lump Sum	
170	301.0001.00D1	Aggregate Base Course, Grading D-1	1,634	Ton		
180	306.0001.0000	ATB	965	Ton		
190	401.0001.002B	HMA, Type II; Class B	1,163	Ton		
200	401.0004.5828	Asphalt Binder, Grade PG 58-28	70	Ton		
210	401.0005.002B	HMA, Temporary, Type II; Class B	120	Ton		
220	401.0010.0001	Pavement Smoothness Price Adjustment, Method 1	All Required	Contingent Sum	Contingent Sum	\$21,888.53
230	401.0015.0000	Asphalt Material Price Adjustment	All Required	Contingent Sum	Contingent Sum	\$1.00
240	402.0001.STE1	STE-1 Asphalt for Tack Coat	2.2	Ton		
250	501.0001.0000	Class A Concrete	All Required	Lump Sum	Lump Sum	
260	501.0007.0000	Precast Concrete Member, 129'-0" Decked Bulb-Tee	11	Each		
270	501.0007.0000	Precast Concrete Member, Lagging	64	Each		

Vendor ID: \_\_\_\_\_

Bid Forms

Addendum 2

## AND PUBLIC FACILITIES

## Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
280	503.0001.0000	Reinforcing Steel	All Required	Lump Sum	Lump Sum	
290	503.0002.0000	Epoxy-Coated Reinforcing Steel	All Required	Lump Sum	Lump Sum	
300	505.0005.0001	Furnish Structural Steel H-Piles, HP 12x74	218	Linear Foot		
310	505.0005.0001	Furnish Structural Steel H-Piles, HP 14x117	279.8	Linear Foot		
320	505.2006.0000	Install Structural Steel H-Piles, 14x117	13	Each		
330	505.2006.0000	Install Structural Steel H-Piles, HP 12x74	10	Each		
340	507.0001.0003	Steel Bridge Railing, 3-Tube	342	Linear Foot		
350	507.0002.0000	Pedestrian Railing	342	Linear Foot		
360	507.0006.0000	Cable Safety Railing	102	Linear Foot		
370	508.0001.0000	Waterproofing Membrane, Spray-Applied	All Required	Lump Sum	Lump Sum	
380	603.0009.0048	Corrugated Aluminum Pipe 48 Inch	56	Linear Foot		
390	603.0021.0024	Corrugated Polyethylene Pipe 24 Inch	128	Linear Foot		
400	604.0001.0001	Storm Sewer Manhole, Type I	1	Each		
410	604.0004.0000	Adjust Existing Manhole	1	Each		
420	606.0001.0000	W-Beam Guardrail	1,336	Linear Foot		
430	606.0006.0000	Removing and Disposing of Guardrail	1,771	Linear Foot		
440	606.0013.0000	Parallel Guardrail Terminal	4	Each		
450	606.0016.0000	Transition Rail	4	Each		
460	606.2014.0000	Guardrail Paving	1,645	Linear Foot		
470	606.2015.0000	Guardrail Post Drilling or Spudding	245	Each		
480	608.0001.0004	Concrete Sidewalk, 4 inches thick	14	Square Yard		
490	608.0003.0000	Asphalt Sidewalk	226	Square Yard		
500	608.0006.0000	Curb Ramp	2	Each		
510	609.2004.0000	Valley Gutter	181	Linear Foot		
520	611.0001.0001	Riprap, Class I	570	Cubic Yard		
530	611.0001.0003	Riprap, Class III	3,100	Cubic Yard		
540	615.0001.0000	Standard Sign	80	Square Foot		
550	618.0004.0000	Seeding	1,161	Square Yard		

## AND PUBLIC FACILITIES

## Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
560	619.2013.0000	Bonded Fiber Matrix (BFM)	960	Pound		
570	620.0001.0000	Topsoil	1,161	Square Yard		
580	625.0001.0000	Pipe Hand Rail	158	Linear Foot		
590	627.0003.0000	Install Valve Box	1	Each		
600	627.0006.0000	Fire Hydrant Relocation	1	Each		
610	627.0010.0000	Adjustment of Valve Box	9	Each		
620	627.2018.0000	Relocate, Water Main	All Required	Contingent Sum	Contingent Sum	\$85,000.00
630	627.2028.0000	Water Line Survey	4	Each		
640	639.0001.0000	Driveway	7	Each		
650	640.0001.0000	Mobilization and Demobilization	All Required	Lump Sum	Lump Sum	
660	640.0004.0000	Worker Meals and Lodging, or Per Diem	All Required	Lump Sum	Lump Sum	
670	641.0001.0000	Erosion, Sediment and Pollution Control Administration	All Required	Lump Sum	Lump Sum	
680	641.0003.0000	Temporary Erosion, Sediment and Pollution Control	All Required	Lump Sum	Lump Sum	
690	641.0005.0000	Temporary Erosion, Sediment and Pollution Control by Directive	All Required	Contingent Sum	Contingent Sum	\$10,650.00
700	641.0006.0000	Withholding	All Required	Contingent Sum	Contingent Sum	\$1.00
710	642.0001.0000	Construction Surveying	All Required	Lump Sum	Lump Sum	
720	642.0003.0000	Three Person Survey Party	100	Hour		
730	642.0006.0000	Replace Existing with Primary Monument	6	Each		
740	642.0007.0000	Replace Existing with Secondary Monument	2	Each		
750	642.0009.0000	Reference Existing Monument	8	Each		
760	642.0010.0000	Monument Case	4	Each		
770	643.0002.0000	Traffic Maintenance	All Required	Lump Sum	Lump Sum	
780	643.0003.0000	Permanent Construction Signs	All Required	Lump Sum	Lump Sum	
790	643.0023.0000	Traffic Price Adjustment	All Required	Contingent Sum	Contingent Sum	\$1.00
800	643.0025.0000	Traffic Control	All Required	Contingent Sum	Contingent Sum	\$182,956.57
810	643.0031.0000	Interim Pavement Marking	All Required	Lump Sum	Lump Sum	
820	643.0032.0000	Flagging	All Required	Contingent Sum	Contingent Sum	\$355,200.00
830	644.0001.0000	Field Office	All Required	Lump Sum	Lump Sum	

Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
840	644.0002.0000	Field Laboratory	All Required	Lump Sum	Lump Sum	
850	644.0003.0000	Curing Shed	All Required	Lump Sum	Lump Sum	
860	644.0015.0000	Nuclear Testing Equipment Storage Shed	1	Each		
870	644.2004.0000	Engineering Communications	All Required	Contingent Sum	Contingent Sum	\$6,500.00
880	644.2008.0000	Web-based Submittals	All Required	Lump Sum	Lump Sum	
890	645.0001.0000	Training Program, 2	1,000	Labor Hour		
900	660.0003.0000	Highway Lighting System Complete, Herring Cove	All Required	Lump Sum	Lump Sum	
910	660.0007.0000	Temporary Signal System Complete, Herring Cove Bridge	All Required	Lump Sum	Lump Sum	
920	670.0001.0000	Painted Traffic Markings	All Required	Lump Sum	Lump Sum	
930	670.0008.0000	Recessed Pavement Marker	34	Each		
940	670.2009.0000	MMA Pavement Markings, Transverse and Gore Surface Applied	140	Square Foot		
950	680.2000.0000	Telecommunications Utility Relocation	All Required	Lump Sum	Lump Sum	
960	684.2000.0000	Television Utility Relocation	All Required	Lump Sum	Lump Sum	
970	687.2000.0000	Power Utility Relocation	All Required	Lump Sum	Lump Sum	

Total Bid: \_\_\_\_\_

Letting ID: SFHWY00072  
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STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
Federal #: 0902043

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

BID SCHEDULE INFORMATION - Addendum 2

KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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Bidders Please Note: Before preparing this Bid Schedule read carefully the Invitation to Bid.

The Bidder shall insert a unit bid price or a lump sum price in figures for each pay item in the bid schedule. The estimated quantity of work for payment on a lump sum basis will be "all required" and as further specified in the contract documents.

Wherever a contingent amount is shown for any item in this bid schedule such amount shall govern and be included in the bid total.

The bidder shall insert a price for each pay item listed below. Type or print legibly.

Additional information, including the basis of award, can be found in the Specifications, Information to Bidders, General Provisions, and General Conditions, as applicable.

Conditioned or qualified bids will be considered nonresponsive.

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STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

BID ATTACHMENTS - Addendum 2

KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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It is the bidder's responsibility to ensure all documents required for this proposal per the Required Documents form have been attached. If submitting manually, all attachments must be printed and submitted with the bid. For multiple-project bid openings, if allowed by the specifications, bidders may attach the referenced statement to disqualify their successful bids. Scanned copies of a bid guaranty will not be accepted as an attachment to your electronic bid submittal and your bid will be found nonresponsive. A bid guaranty other than electronic bond verification through SurePathNetwork or Surety2000 with a valid Bond ID must be hand delivered or mailed to the designated regional contracts office and received before the time specified in the Invitation To Bid.

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ADDENDA ACKNOWLEDGMENT - Addendum 2

KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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An addendum is a clarification, correction, or change to the plans, specifications, or other documents in the bid package issued graphically or in writing by the Department after the advertisement but prior to bid opening.

The bidder can view, download, and print addenda from the AKDOT&PF's BidExpress Proposal page. The bidder is solely responsible for obtaining, reviewing, applying and acknowledging all addenda. Bidder's failure to acknowledge all addenda that the Department has issued for this advertisement may cause the Department to reject the bid as nonresponsive.

The Undersigned acknowledges receipt of the following addenda (give number and date of each).

- Addendum Number:            Date Issued:     /     /     (MM/DD/YYYY)
- Addendum Number:            Date Issued:     /     /     (MM/DD/YYYY)
- Addendum Number:            Date Issued:     /     /     (MM/DD/YYYY)
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Letting Date & Time: 9/23/2021 2:00 PM

DEPARTMENT OF TRANSPORTATION

Federal #: 0902043

AND PUBLIC FACILITIES

Additional Addenda Acknowledgment (if required): [Addendum XX, MM/DD/YYYY]

## STATE OF ALASKA

## DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

## BIDDER'S ACKNOWLEDGMENT &amp; CERTIFICATION - Addendum 2

## KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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The undersigned bidder acknowledges that:

1. It has carefully examined the bid package; the Department has afforded the bidder sufficient opportunity to examine the site of the work; it is familiar with regulatory and construction-related code requirements that may affect cost, progress, and performance of the work; and it possesses sufficient information to formulate its bid for performance of the project according to the terms and conditions of the bid package;
2. The quantities, where specified in the bid schedule or on the plans for this project, are approximate only and subject to increase or decrease and the undersigned bidder is willing to perform increased or decreased quantities of work at unit prices bid under the conditions set forth in the bid package;
3. If the Department accepts its bid, the bidder will execute the advertised contract and provide required bonds within the time and in the amount specified in the Invitation to Bid; if the bidder fails to do so, it further agrees that it will forfeit its bid bond to the Department as liquidated damages and that the Department may award the contract to another bidder;
4. If the Department awards the bidder the advertised contract, the bidder will furnish and deliver all materials and do all work and labor required for the timely completion of the project according to the plans and specifications and for the amount and prices stated in its bid schedule, which is made a part of this bid; and
5. In a matter relating to a procurement or a contract claim, it is unlawful for a person to make a misrepresentation to the State through a trick, scheme, or device. AS 36.30.687.

Letting ID: SFHWY00072  
Letting Date & Time: 9/23/2021 2:00 PM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
Federal #: 0902043

By applying my signature below, I certify under penalty of perjury that:

1. The undersigned bidder has not made a misrepresentation to the Department in connection with this procurement;
2. Consistent with 2 AAC 12.800, the undersigned bidder has neither directly nor indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding. This bidder, its employees, and its agents have not divulged the contents of this proposal to any person who is not an employee or agent of the bidder or the surety furnishing bond(s) for bidder on this project; nor will they divulge such contents before the Department's public opening of bidder's proposal; and
3. I am the duly appointed representative of the undersigned bidder, who has authorized and empowered me to legally bind it concerning this bid proposal.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Email

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name and Title

/ / (MM/DD/YYYY)

\_\_\_\_\_  
Date



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	Federal wage rates can be obtained at <a href="http://www.wdol.gov/dba.aspx#0">http://www.wdol.gov/dba.aspx#0</a> for the State of Alaska. Use the federal wage rates that are in effect 10 days before Bid Opening. The Department will include a paper copy of the federal wage rates in the signed Contract. This project uses AK1 and AK8.		
6.	<u>State Wage Rates</u>		
	State wage rates can be obtained at <a href="http://www.labor.state.ak.us/lss/pamp600.htm">http://www.labor.state.ak.us/lss/pamp600.htm</a> . Use the State wage rates that are in effect 10 days before Bid Opening. The Department will include a paper copy of the State wage rates in the signed Contract.		
7.	<u>Standard Drawings</u>		
	Download the applicable Standard Drawings referenced on the cover page of the plans from the following website: <a href="http://www.dot.state.ak.us/stwddes/dcsprecon/stddwgeng.shtml">http://www.dot.state.ak.us/stwddes/dcsprecon/stddwgeng.shtml</a>		





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**INVITATION TO BID**

for Construction Contract

Date 09/21/2021

**KTN: Herring Cove Bridge Improvements, 0902043/SFHWHY00072**

Project Name and Number

The Department invites bidders to submit bids for furnishing all labor, equipment, and materials and performing all work for the project described below. The Department will only consider bids received **before 2:00 PM local time (per the Department's time source) on the 27th day of May, 2021**. On that date, the Department will assemble, open, and then publicly announce the timely-received bids at 6860 Glacier Highway, at 2:30 PM, or as soon thereafter as practicable.

Location of Project: Ketchikan  
Contracting Officer: D. Lance Mearig, P.E.; Director, Southcoast Region Issuing Office: Southcoast Region  
State Funded  Federal Aid

Description of Work:

Replace Herring Cove Bridge (No. 253) to include pedestrian facilities. Other improvements include the following; improve the intersections at Powerhouse Road and Wood Road, resurface the roadway, install proposed culverts, install new asphalt sidewalks, install new guardrail, install new traffic signs and striping.

Project DBE Utilization Goal:  Race-Neutral, Goal is 0.00%  Race-Conscious, Goal is 0.00%

The Engineer's Estimate is between \$10,000,000 and \$20,000,000

All work shall be completed in N/A Calendar Days, or by **December 31, 2023**.  
The Department will identify interim completion dates, if any, in the Special Provisions.

The apparent successful bidder must furnish a payment bond in the amount of 100% of the contract and a performance bond in the amount of 100% of the contract as security conditioned for the full, complete and faithful performance of the contract. The apparent successful bidder must execute the said contract and bonds within fifteen calendar days, or such further time as may be allowed in writing by the Contracting Officer, after receiving notification of the acceptance of their bid.

**Submission of Bidding Documents**

Bidders may submit bidding documents electronically via the Department's approved online bidding service, through the mail or hand delivered. For mailed or hand delivered bids and for electronically submitted bids with a paper bid guaranty, documents shall be submitted in a sealed envelope marked as follows:

Bidding Documents for Project: <u><b>Project No. 0902043/SFHWHY00072</b></u> <u><b>KTN: Herring Cove Bridge Improvements</b></u>	ATTN: <b>Contracts Officer</b> <u><b>State of Alaska</b></u> <u><b>Department of Transportation &amp; Public Facilities</b></u> <u><b>6860 Glacier Highway</b></u> <u><b>Juneau, Alaska 99801-7999 or</b></u> <u><b>P.O. Box 112506, Juneau, AK 99811-2506</b></u>
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It is incumbent upon the bidder to ensure its bid, any amendments, and/or withdrawal arrive, in its entirety, at the location and before the deadline stated above. A bidder sending a bid amendment or withdrawal via email or fax must transmit its documentation to the Department at this email address: [srdotpfcontracts@alaska.gov](mailto:srdotpfcontracts@alaska.gov) or fax number: **(907) 465-4238**.

To be responsive, a bid must include a bid guaranty equal to 5% of the amount bid. (When calculating the bid amount for purposes of determining the 5% value of the bid guaranty, a bidder shall include its base bid amount, plus the amount bid for alternate and supplemental bid items, if any.)

The Department hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this Invitation, Disadvantaged Business Enterprises will be afforded full opportunity to submit bids and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

## NOTICE TO BIDDERS

Bidders must have a Vendor ID or your bid may not be accepted. More information can be obtained at the following website:  
<http://dot.alaska.gov/aashtoware/docs/AWP-Vendor-List-Guidance.pdf>

The following data may assist a bidder in preparing its bid:

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A bidder may obtain hard copy project plans and specifications for the price of \$ 100.00, from:

**Contracts Office**

**6860 Glacier Highway**

**Juneau, Alaska 99801**

**E-Mail: [srdotpfcontracts@alaska.gov](mailto:srdotpfcontracts@alaska.gov)**

**Fax: (907) 465-4238**

**Phone: (907) 465-4493**

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If a bidder has a question relating to design features, constructability, quantities, or other technical aspects of the project, it may direct its inquiry to the questions and answers area of the Bid Express proposal page: \_\_\_\_\_

**John Kajdan, P.E.**

**Construction Project Manager, Box 112506, Juneau, AK 99811-2506**

**E-Mail: [john.kajdan@alaska.gov](mailto:john.kajdan@alaska.gov)**

**Phone: (907) 465-2392**

**Fax: (907) 465-2030**

A bidder requesting assistance in viewing the project site must make arrangements at least 48 hours in advance.

The point of contract for inquiries for this project is John Kajdan, P.E.

Email: [john.kajdan@alaska.gov](mailto:john.kajdan@alaska.gov) Phone: (907) 465-2392

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For questions relating to electronic bidding or for assistance with your Bid Express account, contact Bid Express customer support at [customer.support@bidx.com](mailto:customer.support@bidx.com) or call toll free (888)352-BIDX(2439) Monday through Friday 7:00am to 8:00pm (Eastern).

A bidder may direct questions concerning bidding procedures and requirements to:

Email: [srdotpfcontracts@alaska.gov](mailto:srdotpfcontracts@alaska.gov)

Phone: (907) 465-4493

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Other Information:

To report bid rigging activities call: 1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00am to 5:00pm Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of DOT's continuing efforts to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.



## **Special Notice To Bidders**

### **COVID-19 Management Plan**

The Governor's emergency declaration and mandates relating to COVID-19 expired on February 14, 2021. However, contractors are encouraged to review COVID-19 Response and Recovery Health Advisories that can be accessed at:

<https://covid19.alaska.gov/health-advisories/>

Contractors will still be required to meet any applicable local ordinances or requirements currently in effect, and comply with any future federal, state or local declarations or mandates that might be adopted while work on the project is ongoing.

Consistent with Section 107-1.01 of the Standard Specifications for Highway Construction, the Contractor will be responsible for paying all costs and expenses incurred to comply with any COVID-19 Health Mandates or Health Advisories in effect during times when the Contractor is performing project-related work activities. The Contractor will additionally be responsible for preparing any general or site-specific mitigation and response plans required for its forces, along with any attendant schedule delays or impacts.



## **SPECIAL NOTICE TO BIDDERS**

In accordance with AS 36.25.010 (b), the minimum limits for the payment and performance bonds have changed to 100% of the contract as indicated on the Invitation to Bid (Form 25D-7)

All other terms and conditions pertaining to the Performance and Payment bonds remain unchanged for this contract.



## **Special Notice to Bidders**

### **CROSS-REFERENCE FOR PAY ITEM NUMBERS**

Pay item numbers in the Bid Schedule are cross-referenced to the pay item numbers in all other contract documents. The cross-reference for pay item numbers is included in the Estimate of Quantities table on the plans.



## **Special Notice to Bidders**

### **CARGO PREFERENCE ACT REQUIREMENTS**

The provisions of the Cargo Preference Act (CPA) must be physically incorporated into all Federal-aid Projects awarded after February 15, 2016, and must be physically incorporated in all agreements with subcontractors and lower tier subcontractors.

Form 25D-55 (2/16) is revised to include the CPA provisions to the Required Contract Provisions for Federal-Aid Construction Contracts. See the last page of Form 25D-55 for the CPA requirements.

For additional details, please visit <http://www.marad.dot.gov/ships-and-shipping/cargo-preference/laws-and-regulations/>





## **Special Notice to Bidders**

On December 22, 2015, U.S. District Court for the District of Columbia issued a decision vacating the Federal Highway Administration (FHWA) 90 percent threshold exemption for manufactured steel and iron products and the miscellaneous steel or iron components, subcomponents and hardware waiver. As a result of the federal court decision, FHWA withdrew their December 21, 2012 policy memorandum clarifying provisions of the Buy America Act requirements.



## SPECIAL NOTICE TO BIDDERS

Questions from bidders on this project as associated Department responses will be published as Informational Notice to Bidders.

- **All questions must be submitted in writing in sufficient time to receive a reply prior to submitting a bid** (Reference Standard Specification 102-1.04). Questions submitted within two business days of bid opening may or may not be considered at the Department's discretion. If a significant question is asked just prior to bid opening, the Department will determine whether the issue raised is significant enough to delay the bid opening and issue an addendum or to proceed with the scheduled bid opening.
- Bidders submitting questions will not receive individual responses
- All questions must be submitted on the Bid Express website (<https://www.bidx.com/ak/lettings>) or to the Construction Manager identified on the Invitation to bid. Questions submitted to the Bidder Registration Inbox, or a location other than the identified Construction Manager, will not be answered.
- At increments of time determined by the Department, all questions and answers on the project received will be published on the Bid Express website, and as such are not contractual.
- The Department will publish only questions and answers. The Department will not publish contractor's name or contact information.



# **NOTICE TO BIDDERS**

**Bidders are advised that the Department will provide the successful contractor with the following documents upon award of the contract:**

- **Two (2) copies of Conformed Full Sized Plans.**
- **Two (2) copies of Conformed 11 X 17 Plans**
- **Two (2) copies of Conformed Specifications**
- **One (1) copy of Conformed Plans & Specification in electronic format (.pdf) on CD-ROM**

**Additional copies of contract documents are the responsibility of the contractor.**



February 8, 2011

Special Notice to Bidders  
Change in Prevailing Wage Requirements

Notice: The Department of Labor and Workforce Development (DOLWD) proposed a revised regulatory definition of “on-site” in 8 AAC 30.910 to clarify the scope of activities covered by Alaska’s Little Davis Bacon Act (AS 36.05.010 – AS 36.05.110). For a copy of the revised definition of 8 AAC 30.910, go to: <http://labor.alaska.gov/commish/12-2010-OT-language.pdf>

DOLWD will enforce the revised provisions on all projects with a bid opening date on or after February 15, 2011. Prospective bidders on projects with a bid opening date on or after February 15, 2011, must consider the impact of the revised regulation and bid accordingly. DOLWD will not enforce the new “on-site” definition on projects with a bid opening date prior to February 15, 2011.





## Special Notice to Bidders

### Statewide Special Provision SSP-38 Section 120 for the Disadvantaged Business Enterprise (DBE) Program

Effective for FHWA funded projects advertised on or after July 1, 2015; there is a new Statewide Special Provision SSP-38 that replaces Standard Modification E114 for Section 120 DBE Program.

The Department, in coordination with the Federal Highway Administration (FHWA), adopted a Race-Neutral DBE Program with an overall DBE Utilization Goal of 8.83% for Alaska's FHWA Federal-Aid program. Although the Race-Neutral program does not establish or require individual project DBE Utilization Goals, 49 CFR establishes the Bidder is responsible to make a portion of the work available to DBEs and to select those portions of the work or material needs consistent with the available DBEs to facilitate DBE participation.

If the Department, in collaboration with our contractors, does not meet the overall program DBE Utilization Goal and cannot demonstrate good faith effort to meet the program goal, the program may be modified to Race-Conscious, with individual DBE Utilization Goals established for each Federal-Aid project. The Department and FHWA will use the data collected under Section 120 to evaluate the program for compliance with Section 120 and with 49 CFR Part 26.

Contractors are encouraged to review the construction and contract forms and the new Statewide Special Provision SSP-38 for Section 120 DBE program.

For information about the Plan Holder Self Registration List, A guide (titled "**Plan Holder Self Registration List**") can be found on the Civil Rights website <http://www.dot.state.ak.us/cvlrts/index.shtml>. This offers further instructions and guidance.

Any questions about this notice may be directed to Dennis Good, Manager of the Civil Rights Office, (907) 269-0851, or email [dennis.good@alaska.gov](mailto:dennis.good@alaska.gov).

07/01/15





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

## REQUIRED DOCUMENTS

Federal-Aid Contracts  
(FHWA)

**REQUIRED FOR BID.** Bids will not be considered if the following documents are not completely filled out and submitted at the time of bidding:

**1. Bid Forms**

- a. Bid Cover Sheet
- b. Bid Schedule
- c. Bid Attachments (as applicable)
  - i. There are no attachments for this project
- d. Addenda Acknowledgement
- e. Bidder's Acknowledgement and Certification

**2. Bid Security**

**REQUIRED FOR BID MODIFICATIONS.** Any bid revisions must be submitted by the bidder prior to bid opening. Use the following form to modify Manual (paper) bids:

**3. Bid Modification (Form 25D-16)**

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**REQUIRED AFTER NOTICE OF APPARENT LOW BIDDER.** The apparent low bidder is required to complete and submit the following documents within 5 working days after receipt of written notification:

1. Subcontractor List (Form 25D-5)
  2. Summary of Good Faith Effort Documentation (Form 25A-332A), and Contact Reports (Form 25A-321A)
  3. DBE Utilization Report (Form 25A-325C)
  4. Prime Contractor's Written DBE Commitment (Form 25A-326) for each DBE to be used on the project.
- 

**REQUIRED FOR AWARD.** In order to be awarded the contract, the successful bidder must completely fill out and submit the following documents within the time specified in the intent to award letter:

1. Construction Contract (Form 25D-10H)
2. Payment Bond (Form 25D-12)
3. Performance Bond (Form 25D-13)
4. Contractor's Questionnaire (25D-8)
5. Certificate of Insurance (from carrier)
6. EEO-1 Certification (Form 25A-304)
7. Training Utilization Report (Form 25A-311), and/or DOT&PF Training Program Request (Form 25A-310), if required
8. Material Origin Certificate (Form 25D-60)
9. Bidder Registration (Form 25D-6) Bidders must register annually with the Civil Rights Office in order to be eligible for award.





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

## FEDERAL EEO BID CONDITIONS

### STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS FOR ALL NON-EXEMPT FEDERAL AND FEDERALLY-ASSISTED CONSTRUCTION CONTRACTS TO BE AWARDED IN THE STATE OF ALASKA

#### Authority and Guidelines.

The Alaska Department of Transportation & Public Facilities (Department), as a State Transportation Agency (STA), has authority under 23 U.S.C. 140 and its implementing regulations to conduct a compliance program addressing Equal Employment Opportunity (EEO) and Affirmative Action (AA) in employment on non-exempt federal and federally-assisted construction contracts that are awarded in the State of Alaska. The STA's authority to administer a contract compliance with Nondiscrimination, EEO and AA programs are authorized under 23 U.S.C., 49 U.S.C., Title VI of the Civil Rights Act of 1964, MAP-21 and implementing regulations. The provisions of 23 CFR 200 and 49 CFR 21 provide authority to determine, and where necessary obtain compliance with the nondiscrimination provisions of Title VI. Under the provisions of Title VI 23 USC and related regulations, including 49 CFR 21 and 26, and 23 CFR Part 200, 230 and 633, it is the STA's responsibility to ensure compliance with and to enforce on all projects of Federal-aid contractors and subcontractors, whether a particular contract or work-site involves Federal-aid funds or not.

These citations confirm the requirement for contractors to provide, and States to obtain information that ensure non-discrimination in employment on all of Federal and federally-assisted projects, and through these provisions, provide for EEO for minorities and women in all terms and conditions of their employment at all of their facilities and on all projects.

1. Definitions. As used in these specifications:

- a. “**Covered area**” means the geographical area described in the solicitation from which this contract resulted;
- b. “**Employer identification number**” means the Federal Social Security number used on the Employer’s Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
- c. “**Minority**” includes:
  - (1) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
  - (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race);
  - (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
  - (4) American Indian or Alaska Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the DOL in the covered area, either individually or through an association, its affirmative action obligations on all work in the Plan area shall be in accordance with that Plan for those trades that have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make good faith effort to achieve an equal representation of minority and female employment under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or subcontractors in an approved Plan does not excuse any covered Contractor's or subcontractor's failure to make good faith efforts to achieve the Plan.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 5(a) through 5(p) of these specifications.
5. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
  - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligations to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
  - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
  - c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
  - d. Provide immediate written notification to the Civil Rights Office's Contract Compliance Officer when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
  - e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 5(b) above.
  - f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees

at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendent, general foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and dispositions of the subject matter.
  - h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
  - i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
  - j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's workforce.
  - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
  - l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
  - m. Ensure that seniority practices, job classifications, work assignments and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
  - n. Ensure that all facilities and company activities are nonsegregated except that separate or single-use toilet, necessary changing facilities and necessary sleeping facilities shall be provided to assure privacy between the sexes.
  - o. Document and maintain a record of all solicitations of offers for subcontractors from minority and female construction contractors and suppliers, including circulations of solicitations to minority and female contractor associations and other business associations.
  - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
6. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations 5(a) through 5(p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any or more of its obligations under 5(a) through 5(p) of these specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected

in the Contractor's minority and female work force participation, makes a good faith effort to meet its individual EEO obligations, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

7. The Contractor is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation if a particular group is employed in a substantially disparate manner.
8. The Contractor shall not use the equal employment or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
9. The Contractor shall not enter into any subcontract with any person or firm debarred from government contracts.
10. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in item 5(a-p) above, so as to achieve maximum results from its efforts to ensure equal employment opportunities.
11. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic apprentice, trainees, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that the existing records satisfy this requirement, Contractors shall not be required to maintain separate records.
12. Nothing herein provided shall be construed as a limitation upon the application of other laws that establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Programs).
13. The Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
14. EEO/AA obligations are applicable to all of the Contractor's construction work (whether or not it is federal or federally-assisted) performed in the covered area. The hours on minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of equalizing minority and female employment percentages shall be a violation of the contract. Compliance with equal minority and female employment utilization will be measured against the total work hours performed.
15. The Contractor shall provide written notification to the Department, for all subcontracts documents as follows: the name, address and telephone number of subcontractors and their employer identification number; the estimated dollar amount of the subcontracts; estimated starting and completion dates of the subcontracts; and the geographical area in which the contract is to be performed.  
  
This written notification shall be required for all construction subcontracts in excess of \$10,000 at any tier for construction work under the contract resulting from this project's solicitation.
16. As used in the Bid Notice, and in the contract resulting from this project's solicitation, the "covered area" is the State of Alaska.





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**SUBCONTRACTOR LIST**

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**

**Project Name and Number**

The apparent low bidder shall complete this form and submit it so as to be received by the Contracting Officer prior to the close of business on the fifth working day after receipt of written notice from the Department.

An apparent low bidder who fails to submit a completed Subcontractor List form within the time allowed will be declared nonresponsible and may be required to forfeit the bid security.

Scope of work must be clearly defined. If an item of work is to be performed by more than one firm, indicate the portion or percent of work to be done by each.

**Check as applicable:**        All Work on the above-referenced project will be accomplished without subcontracts

Or

   List all first tier Subcontractors as follows:

FIRM NAME, ADDRESS, PHONE NO.	AK BUSINESS LICENSE NO., CONTRACTOR'S REGISTRATION NO.	SCOPE OF WORK TO BE PERFORMED
Specialized Pavement Marking Inc. 11095 SW Industrial Way, Suite A Tualatin, OR 97062 503.885.4020	Business License # 305834 Professional License # CONE30363	Mobilizations, worker meals, per diem temp marking & striping, temp stripe removal, striping mob, painted traffic markings, recessed pavement marker, MMA pavement markings
Glacier State Contractors PO Box 32894 Juneau, AK 99803 Phone: 907.789.4976	AK Business License 184036 Professional License CONE22257	W Beam Guardrail, Removal/Disposal of Guardrail (optional), Parrallel Guardrail Terminal Transition Rail, Guardrail Post Drilling or Spudding, mob and worker meals/lodging.
J.D. Steel Company Inc. 511 East Steel Loop Palmer AK 99645 Phone: 907.746.6750	AK Business License 968542 Professional License # CONS28217	Supply/Install Black Uncoated Rebar, Epoxy Coated Rebar and Retaining Wall Coping Epoxy Coated Rebar and worker meals, lodging and mobilization.
Jensen Drilling Company 1775 Henderson Ave. Eugene, OR 97403 Phone: 541.726.7435	AK Business License 173671 Professional License # CONS21925	24" Temp Shoring Holes, Rock Sockets (Br Abutments), Rock Sockets (Soldier Pile Wall) Per Diem and mobilization.

CONTINUE SUBCONTRACTOR INFORMATION ON REVERSE

For projects with federal-aid funding, I hereby certify Alaska Business Licenses and Contractor Registrations will be valid for all subcontractors prior to award of the subcontract. For projects without federal-aid funding (State funding only), I hereby certify the listed Alaska Business Licenses and Contractor Registrations were valid at the time bids were opened for this project.

Vice President

Signature of Authorized Company Representative

Title

Hamilton Construction Alaska Co.

PO Box 309, Sutton AK 99674

Company Name

Company Address (Street or PO Box, City, State, Zip)

10.05.2021

907.746.5328

Date

Phone Number

FIRM NAME, ADDRESS, PHONE NO.	AK BUSINESS LICENSE NO., CONTRACTOR'S REGISTRATION NO.	SCOPE OF WORK TO BE PERFORMED
Work Zone Traffic Control & Maint. PO Box 876517 Wasilla, AK 99687 Phone: 907.373.9675	Business License # 1006308 No Professional (Construction) License on File.	Traffic Maint., Flagging, TCS Meals and lodging, Flagger/TCS, Traffic Control Plans, Work Truck.
Northern Powerline Constructors Inc. 7941 Sandlewood Place Anchorage, AK 99507 Phone: 344.3436	Business License # 313965 Professional License # CONE31976	Hwy Lighting System, Telecommunications Utility Relocation, Television Utility Relocation, Power Utility Relocations, mob and worker meals, lodging.
R & M Engineering- Ketchikan, Inc. 7180 Revilla Road #300 Ketchikan, AK 99901 Phone: 907.225.7917	Business License # 108363 Professional License # AELC9778	Const.Survey (Shared Item 55%), worker meals/lodging three person survey party, replace existing w/ Primary Monument,mob Replace Existing with Secondary Monument, Reference Existing Monuments & Monument case.
SECON PO Box 32159, Juneau AK 99803 Phone: 907.225.6491	Business License # 280673 Professional License # CONE27498	Clearing/Grubbing, Inv Plant Spec Control, Remv of Structures/Obstructions, Removal Pavement, Removal Culvert Pipe, single Mailbox Install, Double Mailbox install, removal of Br No 253, Rock Excav, Unclass Excav, Borrow,shot rock, Borrow Type B, Spacial Ditch, Struc Excav, Struc Fill, Agg Base DL, ATB, HMA Type II C1B Precast Lagging, Curv Allum, Corrug Polyethylene Pipe 24", Storm Sewer Manhole, adj existing manhole, remove/dispose guardrail (optional), guardrail paving, asphalt sidewalk,rip rap class I & II, topsoil, install valve box, fire hydrant reloc, adj of valve box, water main relocation,water line survey, driveway, mob, per diem, const survey (Shared Item 45)



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
Civil Rights Office – DBE Program

## BIDDER REGISTRATION

All firms are required to submit a Bidder's Registration form before an Alaska Department of Transportation and Public Facilities (DOT&PF) project can be awarded. The Bidder Registration form must be submitted to the Civil Rights Officer (CRO) on an annual basis by January 1 and is valid thru December 31. Complete this form for each contractor and subcontractor. Firms will be listed on the bidder registration online directory <http://www.dot.state.ak.us/cvlrts/bidreg.shtml>.

Name of Firm: \_\_\_\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax number: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Date Firm was Established: \_\_\_\_\_

**The firm listed above is a (check all that apply):**

- Prime Contractor?
- Subcontractor?  Identify specialty: \_\_\_\_\_
- Service Provider?  Identify service: \_\_\_\_\_
- Material Supplier?  Identify material: \_\_\_\_\_
- Manufacturer?  Identify product: \_\_\_\_\_
- Certified DBE? \*  \*DBE- Disadvantaged Business Enterprise
- Self-Certified SBE? \*  \*SBE- Small Business Enterprise *(Complete page 2 of this form.)*

**Firm's gross annual receipts:**

- < \$500,000
- \$500,000- \$999,999
- \$1,000,000- \$4,999,999
- \$5,000,000- \$9,999,999
- \$10,000,000- \$16,999,999
- > \$17,000,000

**Type of contracts/proposals bid by the firm (check all that apply):**

- Highways  Airports  Transit  AMHS

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Signature of Company Representative	Title	Date
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Send this completed form to:  
**ADOT&PF Civil Rights Office**  
**PO Box 196900**  
**Anchorage, Alaska 99519-6900**

OR You may fax your completed form to:  
**(907) 269-0847**

If you have any questions, please call **(907) 269-0851**.

# SMALL BUSINESS ENTERPRISE PROGRAM (SBE) BIDDER'S REGISTRATION

## Fostering Small business Participation (SBE) (49 CFR 26.39):

To meet the requirements of 49 CFR 26.39, DOT&PF has implemented a Small Business Enterprise Program. This component is only applicable to federally funded projects.

*[Complete the below only if you are a Self-Certified SBE Firm]* All businesses wishing to be eligible as a SBE are required to submit a SBE Bidder's Registration form before a DOT&PF contract can be awarded. The bidder's Registration form must be submitted on an annual basis by January 1 and is valid thru December 31.

In order to verify your firm's compliance with business size standards under 49 CFR 26.67(2)(i) and 26.65(b), **at the time of award** you will be required to submit the following documents:

- SBE Affidavit of Certification Eligibility
- Personal Financial Statement
- Past three years of your corporations and/or individual tax returns
- If not a certified DBE, please provide documentation that you are self-certified as a small business (please contact Procurement Technical Assistance Center (PTAC) at 907-274-7232 if you require assistance on becoming a self-certified small business)

**At time of award send required documentation to:**

**DOT&PF Civil Rights Office  
Attn: Certification  
PO Box 196900  
Anchorage, Alaska 99519-6900  
Phone: (907) 269-0851  
Fax: (907) 269-0847**

### A. SBE Directory Information

1. Can you verify at time of award that your firm (including affiliates) does not exceed the small business size standards as described by the Small Business Administration (SBA) for the last three years of gross annual receipts per 49 CFR 26.65(a)? To find more information about the SBA size standards, visit the SBA website <https://www.sba.gov/content/small-business-size-standards>. [ ] Yes [ ] No\*

*\*If you marked "No" you do not qualify for the SBE Program*

2. Can you verify at time of award that your firm (including affiliates) does not exceed the personal net worth standards of \$1.32 million per 49 CFR 26.67(2)(i)? [ ] Yes [ ] No\*

*\*If you marked "No" you do not qualify for the SBE Program*

3. Can you verify at time of award that each individual owner of your firm does not exceed the personal net worth standards of \$1.32 million per 49 CFR 26.67(2)(i)? [ ] Yes [ ] No\*

*\*If you marked "No" you do not qualify for the SBE Program*

#### 4. Contact Info.

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Contact Name

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Company Website



## CONTRACTOR'S QUESTIONNAIRE

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**  
Project Name and Number

### A. FINANCIAL

1. Have you ever failed to complete a contract due to insufficient resources?  
 No     Yes    If YES, explain:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Describe any arrangements you have made to finance this work:     N/A

\_\_\_\_\_  
 \_\_\_\_\_

### B. EQUIPMENT

1. Describe below the equipment you have available and intend to use for this project.

ITEM	QUAN.	MAKE	MODEL	SIZE/ CAPACITY	PRESENT MARKET VALUE
Air Compressor	1	CFM	Sullair	185	\$ 21,975.00
Forklift	1	Xtreme	XR1045	10000#	\$136,245.00
Generator	1	Multiquip	DFS-0190XK	10KW	\$ 15,000.00
Light Plants	tbd	Allmand	Nite Lite Pro	-	\$ 7,433.00
Pick up	1	Ford	F-150	4x4 XL	\$ 33,120.00
Pick up	1	Ford	F-250	4x4 XL	\$46,117.00
Pick up	1	Ford	F-250	4x4 XL	\$44,397.00
Trailer - Cargo	1	Mission	TA2	8'x16'	\$10,695.00
Water Buffalo	1	Ford	F-900	4000 Gal	\$22,500.00
Tractor	1	Kenworth	T800	-	\$64,884.00
Welder	1	Miller	Big Blue	400 Pro	\$11,895.00
Arrow Board	1	Sunup	13222	-	\$6,106.00
Arrow Board	1	Sunup	12501	-	\$6,169.00
Screed	1	Allen	12HD	-	\$5,650.00
Message Board	1	WAP	SMC1000 ST	-	\$17,442.00
Message Board	1	WAP	SMC1000 ST	-	\$17,442.00

2. What percent of the total value of this contract do you intend to subcontract? 48.2 %

3. Do you propose to purchase any equipment for use on this project?  
 No  Yes If YES, describe type, quantity, and approximate cost:

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4. Do you propose to rent any equipment for this work?  
 No  Yes If YES, describe type and quantity:  
Triad Machinery - One Crane Rental TC1200

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5. Is your bid based on firm offers for all materials necessary for this project?  
 Yes  No If NO, please explain:

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**C. EXPERIENCE**

1. Have you had previous construction contracts or subcontracts with the State of Alaska?  
 Yes  No

Describe the most recent or current contract, its completion date, and scope of work:

KDK Harbor Channel Bridge Improvements; 0003218/SFHWHY00104  
Bridge Rehab and Improvements - Project is still in progress.  
Completion Date - 03.30.2022

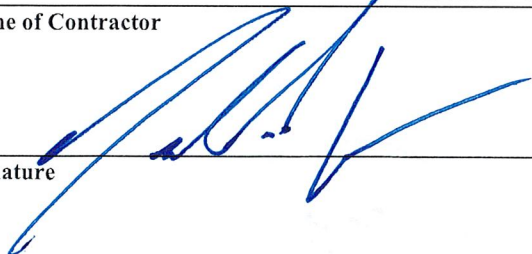
2. List, as an attachment to this questionnaire, other construction projects you have completed, the dates of completion, scope of work, and total contract amount for each project completed in the past 12 months.

**I hereby certify that the above statements are true and complete.**

Hamilton Construction Alaska Co.  
Name of Contractor

Neal A. Spoon, Vice President  
Name and Title of Person Signing

Signature



10.13.2021  
Date

Contractor's Questionnaire Form 25D-8  
Section C.2

<u>Project</u>	<u>Owner</u>	<u>Date of Completion</u>	<u>Scope of Work</u>	<u>Total Contract</u>
OR 241: Isthmus Slough Bridge Rehabilitation Section	Oregon Department of Transportation	06.28.2021	structural, mechanical, electrical and painting upgrade	\$ 8,094,902.38





Letting ID: SFHWY00072  
Letting Date & Time: 9/23/2021 2:00 PM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
Federal #: 0902043

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

Bid Forms - Addendum 2

Bid Cover Sheet

Letting ID: SFHWY00072  
9/23/2021 2:00 PM

Proposal ID: SFHWY00072

KTN Herring Cove Bridge Improvement

Project ID(s):  
SFHWY00072

Hamilton Construction Alaska Co.  
Company Name

P.O. Box 309 Sutton, AK 99674  
Company Address

(907) 746-5328  
Phone Number

estimating@hamil.com  
Email

**Bid Schedule - Addendum 2****Section 2 - No Category**

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
10	201.0009.0000	Clearing and Grubbing	All Required	Lump Sum	Lump Sum	33,000.00
20	201.2001.0000	Invasive Plant Species Control, Removal, and Disposal	1,765	Square Yard	21.00	37,065.00
30	202.0001.0000	Removal of Structures and Obstructions	All Required	Lump Sum	Lump Sum	1,470.00
40	202.0002.0000	Removal of Pavement	4,570	Square Yard	16.80	76,776.00
50	202.0004.0000	Removal of Culvert Pipe	89	Linear Foot	25.20	2,242.80
60	202.0010.0000	Single Mail Box Installation	1	Each	945.00	945.00
70	202.0012.0000	Double Mail Box Installation	11	Each	1,155.00	12,705.00
80	202.0023.0000	Removal of Bridge No. 253	All Required	Lump Sum	Lump Sum	235,890.99
90	203.0002.0000	Rock Excavation	750	Cubic Yard	155.40	116,550.00
100	203.0003.0000	Unclassified Excavation	1,158	Cubic Yard	37.80	43,772.40
110	203.0006.0000	Borrow , Shot Rock	4,730	Ton	44.10	208,593.00
120	203.0006.000B	Borrow, Type B	1,386	Ton	58.80	81,496.80
130	203.2008.0000	Special Ditch	121	Linear Foot	84.00	10,164.00
140	205.0001.0000	Excavation for Structures	650	Cubic Yard	32.55	21,157.50
150	205.0006.0000	Structural Fill	689	Cubic Yard	126.00	86,814.00
160	205.2002.0000	Sheeting, Shoring, and Bracing	All Required	Lump Sum	Lump Sum	245,646.78
170	301.0001.00D1	Aggregate Base Course, Grading D-1	1,634	Ton	75.60	123,530.40
180	306.0001.0000	ATB	965	Ton	306.60	295,869.00
190	401.0001.002B	HMA, Type II; Class B	1,163	Ton	268.80	312,614.40
200	401.0004.5828	Asphalt Binder, Grade PG 58-28	70	Ton	1,102.50	77,175.00
210	401.0005.002B	HMA, Temporary, Type II; Class B	120	Ton	426.30	51,156.00
220	401.0010.0001	Pavement Smoothness Price Adjustment, Method 1	All Required	Contingent Sum	Contingent Sum	\$21,888.53
230	401.0015.0000	Asphalt Material Price Adjustment	All Required	Contingent Sum	Contingent Sum	\$1.00
240	402.0001.STE1	STE-1 Asphalt for Tack Coat	2.2	Ton	2,205.00	4,851.00
250	501.0001.0000	Class A Concrete	All Required	Lump Sum	Lump Sum	675,959.26
260	501.0007.0000	Precast Concrete Member, 129'-0" Decked Bulb-Tee	11	Each	137,244.87	1,509,693.57
270	501.0007.0000	Precast Concrete Member, Lagging	64	Each	1,890.83	121,013.12

## AND PUBLIC FACILITIES

## Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
280	503.0001.0000	Reinforcing Steel	All Required	Lump Sum	Lump Sum	49,033.10
290	503.0002.0000	Epoxy-Coated Reinforcing Steel	All Required	Lump Sum	Lump Sum	123,673.50
300	505.0005.0001	Furnish Structural Steel H-Piles, HP 12x74	218	Linear Foot	110.12	24,006.16
310	505.0005.0001	Furnish Structural Steel H-Piles, HP 14x117	279.8	Linear Foot	207.49	58,055.70
320	505.2006.0000	Install Structural Steel H-Piles, 14x117	13	Each	3,483.14	40,280.82
330	505.2006.0000	Install Structural Steel H-Piles, HP 12x74	10	Each	27,839.70	278,397.00
340	507.0001.0003	Steel Bridge Railing, 3-Tube	342	Linear Foot	397.85	136,064.70
350	507.0002.0000	Pedestrian Railing	342	Linear Foot	449.03	153,568.26
360	507.0006.0000	Cable Safety Railing	102	Linear Foot	170.35	17,375.70
370	508.0001.0000	Waterproofing Membrane, Spray-Applied	All Required	Lump Sum	Lump Sum	136,495.36
380	603.0009.0048	Corrugated Aluminum Pipe 48 Inch	56	Linear Foot	1,312.50	73,500.00
390	603.0021.0024	Corrugated Polyethylene Pipe 24 Inch	128	Linear Foot	288.75	36,960.00
400	604.0001.0001	Storm Sewer Manhole, Type I	1	Each	9,660.00	9,660.00
410	604.0004.0000	Adjust Existing Manhole	1	Each	2,520.00	2,520.00
420	606.0001.0000	W-Beam Guardrail	1,336	Linear Foot	52.50	70,140.00
430	606.0006.0000	Removing and Disposing of Guardrail	1,771	Linear Foot	10.50	18,595.50
440	606.0013.0000	Parallel Guardrail Terminal	4	Each	6,300.00	25,200.00
450	606.0016.0000	Transition Rail	4	Each	5,250.00	21,000.00
460	606.2014.0000	Guardrail Paving	1,645	Linear Foot	11.55	18,999.75
470	606.2015.0000	Guardrail Post Drilling or Spudding	245	Each	210.00	51,450.00
480	608.0001.0004	Concrete Sidewalk, 4 inches thick	14	Square Yard	447.46	6,264.44
490	608.0003.0000	Asphalt Sidewalk	226	Square Yard	38.85	8,780.10
500	608.0006.0000	Curb Ramp	2	Each	1,173.71	2,347.42
510	609.2004.0000	Valley Gutter	181	Linear Foot	115.71	20,943.51
520	611.0001.0001	Riprap, Class I	570	Cubic Yard	86.10	49,077.00
530	611.0001.0003	Riprap, Class III	3,100	Cubic Yard	92.40	286,440.00
540	615.0001.0000	Standard Sign	80	Square Foot	321.90	25,752.00
550	618.0004.0000	Seeding	1,161	Square Yard	17.67	20,514.87

## AND PUBLIC FACILITIES

## Section 2 - No Category

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
560	619.2013.0000	Bonded Fiber Matrix (BFM)	960	Pound	<u>7.12</u>	<u>6,835.20</u>
570	620.0001.0000	Topsoil	1,161	Square Yard	<u>13.65</u>	<u>15,847.65</u>
580	625.0001.0000	Pipe Hand Rail	158	Linear Foot	<u>287.67</u>	<u>45,451.86</u>
590	627.0003.0000	Install Valve Box	1	Each	<u>1,312.50</u>	<u>1,312.50</u>
600	627.0006.0000	Fire Hydrant Relocation	1	Each	<u>17,850.00</u>	<u>17,850.00</u>
610	627.0010.0000	Adjustment of Valve Box	9	Each	<u>787.50</u>	<u>7,087.50</u>
620	627.2018.0000	Relocate, Water Main	All Required	Contingent Sum	Contingent Sum	\$85,000.00
630	627.2028.0000	Water Line Survey	4	Each	<u>6,300.00</u>	<u>25,200.00</u>
640	639.0001.0000	Driveway	7	Each	<u>1,050.00</u>	<u>7,350.00</u>
650	640.0001.0000	Mobilization and Demobilization	All Required	Lump Sum	Lump Sum	<u>2,853,994.41</u>
660	640.0004.0000	Worker Meals and Lodging, or Per Diem	All Required	Lump Sum	Lump Sum	<u>924,297.57</u>
670	641.0001.0000	Erosion, Sediment and Pollution Control Administration	All Required	Lump Sum	Lump Sum	<u>25,652.80</u>
680	641.0003.0000	Temporary Erosion, Sediment and Pollution Control	All Required	Lump Sum	Lump Sum	<u>104,714.90</u>
690	641.0005.0000	Temporary Erosion, Sediment and Pollution Control by Directive	All Required	Contingent Sum	Contingent Sum	\$10,650.00
700	641.0006.0000	Withholding	All Required	Contingent Sum	Contingent Sum	\$1.00
710	642.0001.0000	Construction Surveying	All Required	Lump Sum	Lump Sum	<u>143,524.50</u>
720	642.0003.0000	Three Person Survey Party	100	Hour	<u>477.27</u>	<u>47,727.00</u>
730	642.0006.0000	Replace Existing with Primary Monument	6	Each	<u>1,575.00</u>	<u>9,450.00</u>
740	642.0007.0000	Replace Existing with Secondary Monument	2	Each	<u>1,050.00</u>	<u>2,100.00</u>
750	642.0009.0000	Reference Existing Monument	8	Each	<u>787.50</u>	<u>6,300.00</u>
760	642.0010.0000	Monument Case	4	Each	<u>525.00</u>	<u>2,100.00</u>
770	643.0002.0000	Traffic Maintenance	All Required	Lump Sum	Lump Sum	<u>711,858.16</u>
780	643.0003.0000	Permanent Construction Signs	All Required	Lump Sum	Lump Sum	<u>48,716.70</u>
790	643.0023.0000	Traffic Price Adjustment	All Required	Contingent Sum	Contingent Sum	\$1.00
800	643.0025.0000	Traffic Control	All Required	Contingent Sum	Contingent Sum	\$182,956.57
810	643.0031.0000	Interim Pavement Marking	All Required	Lump Sum	Lump Sum	<u>54,600.00</u>
820	643.0032.0000	Flagging	All Required	Contingent Sum	Contingent Sum	\$355,200.00
830	644.0001.0000	Field Office	All Required	Lump Sum	Lump Sum	<u>38,864.14</u>

## AND PUBLIC FACILITIES

**Section 2 - No Category**

Prop Line #	Item Number	Item Description	Quantity	Unit	Unit Bid Price	Amount Bid
840	644.0002.0000	Field Laboratory	All Required	Lump Sum	Lump Sum	9,151.04
850	644.0003.0000	Curing Shed	All Required	Lump Sum	Lump Sum	6,150.38
860	644.0015.0000	Nuclear Testing Equipment Storage Shed	1	Each	6,150.38	6,150.38
870	644.2004.0000	Engineering Communications	All Required	Contingent Sum	Contingent Sum	\$6,500.00
880	644.2008.0000	Web-based Submittals	All Required	Lump Sum	Lump Sum	26,569.62
890	645.0001.0000	Training Program, 2	1,000	Labor Hour	30.76	30,760.00
900	660.0003.0000	Highway Lighting System Complete, Herring Cove	All Required	Lump Sum	Lump Sum	382,332.92
910	660.0007.0000	Temporary Signal System Complete, Herring Cove Bridge	All Required	Lump Sum	Lump Sum	89,409.96
920	670.0001.0000	Painted Traffic Markings	All Required	Lump Sum	Lump Sum	10,560.38
930	670.0008.0000	Recessed Pavement Marker	34	Each	131.25	4,462.50
940	670.2009.0000	MMA Pavement Markings, Transverse and Gore Surface Applied	140	Square Foot	26.25	3,675.00
950	680.2000.0000	Telecommunications Utility Relocation	All Required	Lump Sum	Lump Sum	243,820.96
960	684.2000.0000	Television Utility Relocation	All Required	Lump Sum	Lump Sum	150,633.58
970	687.2000.0000	Power Utility Relocation	All Required	Lump Sum	Lump Sum	2,198,260.15

**Total Bid: \$ 15,445,815.77**

Letting ID: SFHWY00072  
Letting Date & Time: 9/23/2021 2:00 PM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
Federal #: 0902043

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

BID SCHEDULE INFORMATION - Addendum 2

KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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Bidders Please Note: Before preparing this Bid Schedule read carefully the Invitation to Bid.

The Bidder shall insert a unit bid price or a lump sum price in figures for each pay item in the bid schedule. The estimated quantity of work for payment on a lump sum basis will be "all required" and as further specified in the contract documents.

Wherever a contingent amount is shown for any item in this bid schedule such amount shall govern and be included in the bid total.

The bidder shall insert a price for each pay item listed below. Type or print legibly.

Additional information, including the basis of award, can be found in the Specifications, Information to Bidders, General Provisions, and General Conditions, as applicable.

Conditioned or qualified bids will be considered nonresponsive.

Letting ID: SFHWY00072  
Letting Date & Time: 9/23/2021 2:00 PM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Proposal ID: SFHWY00072  
Federal #: 0902043

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

BID ATTACHMENTS - Addendum 2

KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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It is the bidder's responsibility to ensure all documents required for this proposal per the Required Documents form have been attached. If submitting manually, all attachments must be printed and submitted with the bid. For multiple-project bid openings, if allowed by the specifications, bidders may attach the referenced statement to disqualify their successful bids. Scanned copies of a bid guaranty will not be accepted as an attachment to your electronic bid submittal and your bid will be found nonresponsive. A bid guaranty other than electronic bond verification through SurePathNetwork or Surety2000 with a valid Bond ID must be hand delivered or mailed to the designated regional contracts office and received before the time specified in the Invitation To Bid.

Vendor ID: HAC11278

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ADDENDA ACKNOWLEDGMENT - Addendum 2

KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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An addendum is a clarification, correction, or change to the plans, specifications, or other documents in the bid package issued graphically or in writing by the Department after the advertisement but prior to bid opening.

The bidder can view, download, and print addenda from the AKDOT&PF's BidExpress Proposal page. The bidder is solely responsible for obtaining, reviewing, applying and acknowledging all addenda. Bidder's failure to acknowledge all addenda that the Department has issued for this advertisement may cause the Department to reject the bid as nonresponsive.

The Undersigned acknowledges receipt of the following addenda (give number and date of each).

- Addendum Number: 1      Date Issued: 09/ 10 /2021(MM/DD/YYYY)
- Addendum Number: 2      Date Issued: 09/ 21 /2021(MM/DD/YYYY)
- Addendum Number:      Date Issued:    /    /      (MM/DD/YYYY)
- Addendum Number:      Date Issued:    /    /      (MM/DD/YYYY)
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Letting ID: SFHWY00072

STATE OF ALASKA

Proposal ID: SFHWY00072

Letting Date & Time: 9/23/2021 2:00 PM

DEPARTMENT OF TRANSPORTATION

Federal #: 0902043

AND PUBLIC FACILITIES

Additional Addenda Acknowledgment (if required): [Addendum XX, MM/DD/YYYY]

## STATE OF ALASKA

## DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

## BIDDER'S ACKNOWLEDGMENT &amp; CERTIFICATION - Addendum 2

## KTN Herring Cove Bridge Improvement

Proposal ID: SFHWY00072

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The undersigned bidder acknowledges that:

1. It has carefully examined the bid package; the Department has afforded the bidder sufficient opportunity to examine the site of the work; it is familiar with regulatory and construction-related code requirements that may affect cost, progress, and performance of the work; and it possesses sufficient information to formulate its bid for performance of the project according to the terms and conditions of the bid package;
2. The quantities, where specified in the bid schedule or on the plans for this project, are approximate only and subject to increase or decrease and the undersigned bidder is willing to perform increased or decreased quantities of work at unit prices bid under the conditions set forth in the bid package;
3. If the Department accepts its bid, the bidder will execute the advertised contract and provide required bonds within the time and in the amount specified in the Invitation to Bid; if the bidder fails to do so, it further agrees that it will forfeit its bid bond to the Department as liquidated damages and that the Department may award the contract to another bidder;
4. If the Department awards the bidder the advertised contract, the bidder will furnish and deliver all materials and do all work and labor required for the timely completion of the project according to the plans and specifications and for the amount and prices stated in its bid schedule, which is made a part of this bid; and
5. In a matter relating to a procurement or a contract claim, it is unlawful for a person to make a misrepresentation to the State through a trick, scheme, or device. AS 36.30.687.

Letting ID: SFHWY00072

STATE OF ALASKA

Proposal ID: SFHWY00072

Letting Date & Time: 9/23/2021 2:00 PM

DEPARTMENT OF TRANSPORTATION

Federal #: 0902043

AND PUBLIC FACILITIES

By applying my signature below, I certify under penalty of perjury that:

- 1. The undersigned bidder has not made a misrepresentation to the Department in connection with this procurement;
- 2. Consistent with 2 AAC 12.800, the undersigned bidder has neither directly nor indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding. This bidder, its employees, and its agents have not divulged the contents of this proposal to any person who is not an employee or agent of the bidder or the surety furnishing bond(s) for bidder on this project; nor will they divulge such contents before the Department's public opening of bidder's proposal; and
- 3. I am the duly appointed representative of the undersigned bidder, who has authorized and empowered me to legally bind it concerning this bid proposal.

Hamilton Construction Alaska Co.

Company Name

P.O. Box 309 Sutton, AK 99674

Company Address

(907) 746-5328

Phone Number

estimating@hamil.com

Email

Signature

Neal A. Spoon, Vice President

Printed Name and Title

09 / 21 /2021(MM/DD/YYYY)

Date

Vendor ID: HAC11278





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**CONSTRUCTION CONTRACT**

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**

**Project Name and Number**

This CONTRACT, between the STATE OF ALASKA, DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, herein called the Department, acting by and through its Contracting Officer, and

Hamilton Construction Alaska Co.

**Company Name**

P.O. Box 309 Sutton, AK 99674

**Company Address (Street or PO Box, City, State, Zip)**

a/an  Individual  Partnership  Joint Venture  Sole Proprietorship  Corporation incorporated under the laws of the State of Oregon, its successors and assigns, herein called the Contractor, is effective the date of the signature of the Contracting Officer on this document.

WITNESSETH: That the Contractor, for and in consideration of the payment or payments herein specified and agreed to by the Department, hereby covenants and agrees to furnish and deliver all the materials and to do and perform all the work and labor required in the construction of the above-referenced project at the prices bid by the Contractor for the respective estimated quantities aggregating approximately the sum of

Fifteen Million four hundred forty five thousand eight hundred fifteen and 77/100----- Dollars (\$ 15,445,815.77), and such other items as are mentioned in the original Bid, which Bid and prices named, together with the Contract Documents are made a part of this Contract and accepted as such. *The Alaska Standard Specifications for Highway Construction, 2020 Edition* is incorporated by reference and made a part hereof as if set forth in full. *The Alaska Standard Specifications for Highway Construction* can be downloaded at <http://www.dot.state.ak.us/stwddes/dcsspecs/index.shtml>.

It is distinctly understood and agreed that no claim for additional work or materials, done or furnished by the Contractor and not specifically herein provided for, will be allowed by the Department, nor shall the Contractor do any work or furnish any material not covered by this Contract, unless such work is ordered in writing by the Department. In no event shall the Department be liable for any materials furnished or used, or for any work or labor done, unless the materials, work, or labor are required by the Contract or on written order furnished by the Department. Any such work or materials which may be done or furnished by the Contractor without written order first being given shall be at the Contractor's own risk, cost, and expense and the Contractor hereby covenants and agrees to make no claim for compensation for work or materials done or furnished without such written order.

The Contractor further covenants and agrees that all materials shall be furnished and delivered and all labor shall be done and performed, in every respect, to the satisfaction of the Department, on or before: **December 31, 2023** or within N/A calendar days. It is expressly understood and agreed that in case of the failure on the part of the Contractor, for any reason, except with the written consent of the Department, to complete the furnishing and delivery of materials and the doing and performance of the work before the aforesaid date, the Department shall have the right to deduct from any money due or which may become due the Contractor, or if no money shall be due, the Department shall have the right to recover Three thousand eight hundred and no/100----- dollars (\$ 3,800.00) per day for each calendar day elapsing between the time stipulated for the completion and the actual date of completion in accordance with the terms hereof; such deduction to be made, or sum to be recovered, not as a penalty but as liquidated damages.

The bonds given by the Contractor in the sum of \$ 15,445,815.77 Payment Bond, and \$ 15,445,815.77 Performance Bond, to secure the proper compliance with the terms and provisions of this Contract, are submitted herewith and made a part hereof.

IN WITNESS WHEREOF, the parties hereto have executed this Contract and hereby agree to its terms and conditions.

---

**CONTRACTOR**

Hamilton Construction Alaska Co.

**Company Name**

  
\_\_\_\_\_  
**Signature of Authorized Company Representative**

Neal A. Spoon, Vice President

**Typed Name and Title**

10.13.2021

**Date**

(Corporate Seal)

---

**STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES**

  
\_\_\_\_\_  
**Signature of Contracting Officer**

D. Lance Mearigg, P.E.

**Typed Name**

10/21/2021

**Date**



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**PAYMENT BOND**

Bond No. 30120069

For

**KTN: Herring Cove Bridge Improvements; 0902043/SFHWHY00072**

Project Name and Number

KNOW ALL WHO SHALL SEE THESE PRESENTS:

That Hamilton Construction Alaska Co.  
of P.O. Box 309 Sutton, AK 99674 as Principal,  
and Continental Casualty Company  
of 12909 SW 68th Parkway, Suite 200, Portland, OR 97223 as Surety,

firmly bound and held unto the State of Alaska in the penal sum of Fifteen million four hundred forty five thousand eight hundred fifteen and 77/100 Dollars (\$ 15,445,815.77), good and lawful money of the United States of America for the payment whereof, well and truly to be paid to the State of Alaska, we bind ourselves, our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the 21st of October A.D., 20 21, for construction of the above-referenced project, said work to be done according to the terms of said contract.

Now, THEREFORE, the conditions of the foregoing obligation are such that if the said Principal shall comply with all requirements of law and pay, as they become due, all just claims for labor performed and materials and supplies furnished upon or for the work under said contract, whether said labor be performed and said materials and supplies be furnished under the original contract, any subcontract, or any and all duly authorized modifications thereto, then these presents shall become null and void; otherwise they shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at Sacramento, CA this 12th day of October A.D., 20 21.

**Principal:** Hamilton Construction Alaska Co.  
**Address:** P.O. Box 309 Sutton, AK 99674  
**By:** [Signature]  
**Contact Name:** Neal A. Spoon  
**Phone:** (541) 746-2426

**Surety:** Continental Casualty Company

**Address:** 12909 SW 68th Parkway, Suite 200, Portland, OR 97223

**By:** [Signature]

**Contact Name:** Jonathan Russell, Attorney-in-Fact

**Phone:** (925) 822-9116

The offered bond has been checked for adequacy under the applicable statutes and regulations:  
[Signature] Alaska Department of Transportation & Public Facilities Authorized Representative 10/21/2021 Date

See Instructions on Reverse

## INSTRUCTIONS

1. This form, for the protection of persons supplying labor and material, shall be used whenever a payment bond is required. There shall be no deviation from this form without approval from the Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be typed in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the Contracting Officer.
5. The bond shall be signed by authorized persons. Where such persons are signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.



**POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT**

**Know All Men By These Presents**, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

**Jeff Parkhurst, Jonathan Russell, Kathleen Ann Beck, Patricia L Drew, Deepa Neupane, Nicholas Tan, Individually**

of Sacramento, CA, their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

**In Witness Whereof**, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 30th day of June, 2021.



Continental Casualty Company  
National Fire Insurance Company of Hartford  
American Casualty Company of Reading, Pennsylvania

Paul T. Bruflat Vice President

State of South Dakota, County of Minnehaha, ss:

On this 30th day of June, 2021, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.



My Commission Expires March 2, 2026

M. Bent Notary Public

**CERTIFICATE**

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 12th day of October, 2021.



Continental Casualty Company  
National Fire Insurance Company of Hartford  
American Casualty Company of Reading, Pennsylvania

D. Johnson Assistant Secretary

Form F6853-4/2012

Go to [www.cnasurety.com](http://www.cnasurety.com) > Owner / Oblige Services > Validate Bond Coverage, if you want to verify bond authenticity.

## Authorizing By-Laws and Resolutions

ADOPTED BY THE BOARD OF DIRECTORS OF CONTINENTAL CASUALTY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company at a meeting held on May 12, 1995:

“RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective.”

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of Continental Casualty Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

“Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the “Authorized Officers”) to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, “Electronic Signatures”); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. “

ADOPTED BY THE BOARD OF DIRECTORS OF NATIONAL FIRE INSURANCE COMPANY OF HARTFORD:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

“RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective.”

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of National Fire Insurance Company of Hartford.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

“Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the “Authorized Officers”) to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, “Electronic Signatures”); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. “

ADOPTED BY THE BOARD OF DIRECTORS OF AMERICAN CASUALTY COMPANY OF READING, PENNSYLVANIA:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

“RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective.”

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of American Casualty Company of Reading, Pennsylvania.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

“Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the “Authorized Officers”) to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, “Electronic Signatures”); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. “

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

County of Sacramento }

On 10/12/21 before me, E. Johnson, Notary Public,  
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Jonathan Russell  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Signature E. Johnson  
Signature of Notary Public



Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Jonathan Russell

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**PERFORMANCE BOND**

Bond No. 30120069

For

**KTN: Herring Cove Bridge Improvements; 0902043/SFHWY00072**

**Project Name and Number**

KNOW ALL WHO SHALL SEE THESE PRESENTS:

That Hamilton Construction Alaska Co.  
of P.O. Box 309 Sutton, AK 99674 as Principal,  
and Continental Casualty Company  
of 12909 SW 68th Parkway, Suite 200, Portland, OR 97223 as Surety,

firmly bound and held unto the State of Alaska in the penal sum of Fifteen million four hundred forty five thousand eight hundred fifteen and 77/100----- Dollars (\$ 15,445,815.77), good and lawful money of the United States of America for the payment whereof, well and truly to be paid to the State of Alaska, we bind ourselves, our heirs, successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the 21st of October A.D., 2021, for construction of the above-referenced project, said work to be done according to the terms of said contract.

Now, THEREFORE, the conditions of the foregoing obligation are such that if the said Principal shall well and truly perform and complete all obligations and work under said contract and if the Principal shall reimburse upon demand of the Department of Transportation and Public Facilities any sums paid him which exceed the final payment determined to be due upon completion of the project, then these presents shall become null and void; otherwise they shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at Sacramento,  
CA this 12th day of October A.D., 2021.

**Principal:** Hamilton Construction Alaska Co.  
**Address:** P.O. Box 309 Sutton, AK 99674  
**By:** [Signature]  
**Contact Name:** Neal A. Spoon  
**Phone:** (541) 746-2426

**Surety:** Continental Casualty Company  
**Address:** 12909 SW 68th Parkway, Suite 200, Portland, OR 97223  
**By:** [Signature]  
**Contact Name:** Jonathan Russell, Attorney-in-Fact  
**Phone:** (925) 822-9116

The offered bond has been checked for adequacy under the applicable statutes and regulations:  
[Signature] Alaska Department of Transportation & Public Facilities Authorized Representative  
10/21/2021 Date

## INSTRUCTIONS

1. This form shall be used whenever a performance bond is required. There shall be no deviation from this form without approval from the Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be typed in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the Contracting Officer.
5. The bond shall be signed by authorized persons. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.

**POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT**

**Know All Men By These Presents**, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

**Jeff Parkhurst, Jonathan Russell, Kathleen Ann Beck, Patricia L Drew, Deepa Neupane, Nicholas Tan, Individually**

of Sacramento, CA, their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

**In Witness Whereof**, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 30th day of June, 2021.



Continental Casualty Company  
National Fire Insurance Company of Hartford  
American Casualty Company of Reading, Pennsylvania

Paul T. Bruflat Vice President

State of South Dakota, County of Minnehaha, ss:

On this 30th day of June, 2021, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.



My Commission Expires March 2, 2026

M. Bent Notary Public

**CERTIFICATE**

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 12th day of October, 2021.



Continental Casualty Company  
National Fire Insurance Company of Hartford  
American Casualty Company of Reading, Pennsylvania

D. Johnson Assistant Secretary

Form F6853-4/2012

Go to [www.cnasurety.com](http://www.cnasurety.com) > Owner / Oblige Services > Validate Bond Coverage, if you want to verify bond authenticity.

## Authorizing By-Laws and Resolutions

ADOPTED BY THE BOARD OF DIRECTORS OF CONTINENTAL CASUALTY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company at a meeting held on May 12, 1995:

“RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective.”

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of Continental Casualty Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

“Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the “Authorized Officers”)to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, “Electronic Signatures”); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. “

ADOPTED BY THE BOARD OF DIRECTORS OF NATIONAL FIRE INSURANCE COMPANY OF HARTFORD:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

“RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective.”

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of National Fire Insurance Company of Hartford.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

“Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the “Authorized Officers”)to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, “Electronic Signatures”); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. “

ADOPTED BY THE BOARD OF DIRECTORS OF AMERICAN CASUALTY COMPANY OF READING, PENNSYLVANIA:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

“RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective.”

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of American Casualty Company of Reading, Pennsylvania.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25<sup>th</sup> day of April, 2012:

“Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the “Authorized Officers”)to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, “Electronic Signatures”); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. “



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

County of Sacramento }

On 10/12/21 before me, E. Johnson, Notary Public,  
Date Insert Name of Notary exactly as it appears on the official seal

personally appeared Jonathan Russell  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

Signature E. Johnson  
Signature of Notary Public



Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of the form to another document.

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Jonathan Russell

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**BID BOND**

For

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**

Project Name and Number

DATE BOND EXECUTED: \_\_\_\_\_

PRINCIPAL (Legal name and business address):

TYPE OF ORGANIZATION:

	<input type="checkbox"/> Individual	<input type="checkbox"/> Partnership
	<input type="checkbox"/> Joint Venture	<input type="checkbox"/> Corporation
STATE OF INCORPORATION: _____		

SURETY(IES) (Name and business address):

<b>A.</b>	<b>B.</b>	<b>C.</b>
PENAL SUM OF BOND: _____		DATE OF BID: _____

We, the PRINCIPAL and SURETY above named, are held and firmly bound to the State (State of Alaska), in the penal sum of the amount stated above, for the payment of which sum will be made, we bind ourselves and our legal representatives and successors, jointly and severally, by this instrument.

THE CONDITION OF THE FOREGOING OBLIGATION is that the Principal has submitted the accompanying bid in writing, date as shown above, on the above-referenced Project in accordance with contract documents filed in the office of the Contracting Officer, and under the Invitation for Bids therefor, and is required to furnish a bond in the amount stated above.

If the Principal's bid is accepted and he is offered the proposed contract for award, and if the Principal fails to enter into the contract, then the obligation to the State created by this bond shall be in full force and effect.

If the Principal enters into the contract, then the foregoing obligation is null and void.

**Principal**

Signature(s)	1.	2.	3.
Name(s) & Title(s) (Typed)	1.	2.	3.
<b>See Instructions on Reverse</b>			Corporate Seal

**CORPORATE SURETY(IES)**

<b>SURETY A</b>	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s) & Titles (Typed)	1.	2.	

<b>Surety B</b>	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s) & Titles (Typed)	1.	2.	

<b>Surety C</b>	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s) & Titles (Typed)	1.	2.	

**INSTRUCTIONS**

1. This form shall be used whenever a bid bond is submitted.
2. Insert the full legal name and business address of the Principal in the space designated. If the Principal is a partnership or joint venture, the names of all principal parties must be included (e.g., "Smith Construction, Inc. and Jones Contracting, Inc. DBA Smith/Jones Builders, a joint venture"). If the Principal is a corporation, the name of the state in which incorporated shall be inserted in the space provided.
3. Insert the full legal name and business address of the Surety in the space designated. The Surety on the bond may be any corporation or partnership authorized to do business in Alaska as an insurer under AS 21.09. Individual sureties will not be accepted.
4. The penal amount of the bond may be shown either as an amount (in words and figures) or as a percent of the contract bid price (a not-to-exceed amount may be included).
5. The scheduled bid opening date shall be entered in the space marked Date of Bid.
6. The bond shall be executed by authorized representatives of the Principal and Surety. Corporations executing the bond shall also affix their corporate seal.
7. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
8. The states of incorporation and the limits of liability of each surety shall be indicated in the spaces provided.
9. The date that bond is executed must not be later than the bid opening date.



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

### BID MODIFICATION

**KTN: Herring Cove Bridge Improvements, 0902043/SFHwy00072**

Project Name and Number

Modification Number: \_\_\_\_\_

Note: Use this form to modify Manual (paper) bids only.

- Group items and provide subtotals by bid schedule section.
- All revisions shall be made to the unadjusted bid amount(s).
- Changes to the adjusted bid amounts will be computed by the Department.

LINE NO.	ITEM NO.	PAY ITEM DESCRIPTION	REVISION TO UNIT BID PRICE +/-	REVISION TO BID AMOUNT +/-

**TOTAL REVISION: \$** \_\_\_\_\_

\_\_\_\_\_  
Name of Bidding Firm

\_\_\_\_\_  
Responsible Party Signature

\_\_\_\_\_  
Date

This form may be duplicated if additional pages are needed.





# MATERIAL ORIGIN CERTIFICATE

Federal-Aid Highway Contracts

Project Name and Number: KTN: Herring Cove Bridge Improvements; 0902043/SFHWHY00072

FOREIGN MANUFACTURED PRODUCTS <sup>1</sup>	COUNTRY OF ORIGIN	COST <sup>2</sup>
NONE		

I certify under penalty of law that all steel and iron products to be furnished for this project are manufactured in the United States, and comply with the requirements of 23 CFR 635.410 and Contract subsection 106-1.01, Buy America Provisions; except for those foreign manufactured products that are listed on this page or on a separate and clearly identified attachment.<sup>3</sup> The term “manufactured in the United States” is defined in Contract subsection 106-1.01, Buy America Provision.

I certify that I have knowledge that submitting false statements and/or information may result in civil and criminal penalties.

Authorized Corporate Signature

Neal Spoon

Printed Name

Vice President

Position Title

10.13.2021

Date

Hamilton Construction Alaska Co.

Contractor's Company Name

Form 25D-60 Instructions:

1. Enter "NONE" on the first line if there are no exceptions.
2. Invoice cost for foreign manufactured products as delivered to the project including freight.
3. When the Contractor becomes aware of a change from or error in a previously submitted Material Origin Certificate, the Contractor shall submit an updated Material Origin Certificate. The Department of Transportation and Public Facilities shall not accept or approve any Material Origin Certificate over the limit specified in the contract.
4. Attach additional complete form sheets if necessary to include more than one page of products.





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**EEO-1 CERTIFICATION**

Federal-Aid Contracts

**KTN: Herring Cove Bridge Improvements; 0902043/SFHWHY00072**  
Project Name and Number

This certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7 (b) (1)] and must be completed by the successful Bidder and each proposed Subcontractor participating in this contract.

**PLEASE CHECK APPROPRIATE BOXES**

The  Bidder  Proposed Subcontractor hereby CERTIFIES:

**PART A.** Bidders and proposed Subcontractors with 50 or more year-round employees and a federal contract amounting to \$50,000 or more are required to submit one federal Standard Report Form 100 during each year that the two conditions exist (50 employees and a \$50,000 federal contract).

The company named below (Part C) is exempt from the requirements of submitting the Standard Report Form 100 this year.

NO (go to PART B)  YES (go to PART C)

Instructions and blank Standard Report Form 100 may be obtained by contacting:

EEOC - Surveys Division  
131 M Street, NE - Room 4SW22G  
Washington, D.C. 20507  
Telephone number: (877)392-4647 or (866)286-6440

**PART B.** The company named below has submitted the Standard Report Form 100 this year.

NO  YES

**Note:** Bidders and proposed Subcontractors who have not filed the required Standard Report Form 100 and are not exempt from filing requirements will not be awarded this contract or subcontract until Form 100 has been filed for the current year ending June 30.

**PART C.**

  
\_\_\_\_\_  
Signature of Authorized Company Representative

Vice President  
\_\_\_\_\_  
Title

Hamilton Construction Alaska Co.  
\_\_\_\_\_  
Company Name

PO Box 309, Sutton AK 99674  
\_\_\_\_\_  
Company Address (Street or PO Box, City, State, Zip)

10-13-2021  
\_\_\_\_\_  
Date

(907) 746.5328  
\_\_\_\_\_  
Phone Number





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**DOT&PF TRAINING PROGRAM REQUEST**

Federal-Aid Contracts

**Project Name:** KTN: Herring Cove Bridge Improvements

**Project Number:** 0902043/SFHwy00072

**Project Hours -** 1000

Section 645, entitled "Training Program" in the Special Provisions, specifies the number of minorities and/or woman to be trained and the number of hours of training provided under the term of this contract. Contractors desiring to use DOT&PF OJT approved training program(s) (instead of those approved by USDOL/OA) must:

- Complete Sections 1(A) through 5; use additional sheets, if necessary and reference appropriately
- Must provide training in skilled construction trades
- Contractors complete OJT form
- Contractors are encouraged to contact the DOT&PF Civil Rights Office for assistance with developing approvable training programs prior to bid opening

**Section 1: Contractor Information**

Contractor Name: \_\_\_\_\_ Contact Person: \_\_\_\_\_

Telephone # \_\_\_\_\_ E-mail \_\_\_\_\_

**Section 1A: Trainee Minimum Qualifications**

Minimum Starting Age: \_\_\_\_\_

High School Diploma Yes  No

Other Level of Education and/or Experience:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Section 2: Job Classification Information**

Job Classification (Title): \_\_\_\_\_

REQUIRED SKILLS FOR POSITION	STARTING CAPABILITY DATE MEASURED
1. JOB SKILL NEEDED	NOT SKILLED: <input type="checkbox"/> SOME SKILL: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
2. JOB SKILL NEEDED	NOT SKILLED: <input type="checkbox"/> SOME SKILL: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
3. JOB SKILL NEEDED	NOT SKILLED: <input type="checkbox"/> SOME SKILL: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
4. JOB SKILL NEEDED	NOT SKILLED: <input type="checkbox"/> SOME SKILL: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
5. JOB SKILL NEEDED	NOT SKILLED: <input type="checkbox"/> SOME SKILL: <input type="checkbox"/> SKILLED: <input type="checkbox"/>

\*ATTACH JOB DESCRIPTION

**Section 3: Employer Training Information**

*Complete the training outline and estimated time for each skill.*

TRAINING TO BE PROVIDED	ESTIMATED TRAINING HOURS	END CAPABILITY DATE MEASURED
1. SKILL TO BE ACQUIRED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
2. SKILL TO BE ACQUIRED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
3. SKILL TO BE ACQUIRED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
4. SKILL TO BE ACQUIRED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
5. SKILL TO BE ACQUIRED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>

LIST EQUIPMENT AND TOOLS NEEDED FOR TRAINING RELATED TO THE POSITION:

## Section 4: Third-Party Related Instruction

Complete the training outline and estimated time for each skill.

SKILLS TO BE LEARNED:	ESTIMATED TRAINING HOURS	END CAPABILITY DATE MEASURED
1. SKILL TO BE LEARNED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
2. SKILL TO BE LEARNED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
3. SKILL TO BE LEARNED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
4. SKILL TO BE LEARNED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
5. SKILL TO BE LEARNED	ESTIMATED TRAINING HOURS	BEGINNING: <input type="checkbox"/> INTERMEDIATE: <input type="checkbox"/> SKILLED: <input type="checkbox"/>
<b>LIST EQUIPMENT AND TOOLS NEEDED FOR TRAINING RELATED TO THE POSITION:</b>		

**Section 5: Required Certifications for the Position**

The Contractor shall actively assist the Trainee with getting certification(s) in order to gain marketable skills.

OSHA 10  CPR/First Aid/AED  Fork Lift

Fitness Card  CDL A  Fast Track CDL

Department of Labor National Career Readiness Certificate (*where feasible*)

**Other Certificates Provided by Employer:** \_\_\_\_\_

*\* Contractor will provide copies of the certifications received no later than the completion of project to the Civil Rights Office.*

**Section 6: OJT Wages**

Trainee Wages shall be paid prevailing Davis-Bacon fringes, plus the following during their training (See Section 645 wage requirements).

1<sup>st</sup> Half: \$ \_\_\_\_\_ = \_\_\_\_\_ % journey scale

3<sup>rd</sup> Quarter: \$ \_\_\_\_\_ = \_\_\_\_\_ % journey scale

4<sup>th</sup> Quarter: \$ \_\_\_\_\_ = \_\_\_\_\_ % journey scale

**This OJT Training Program has been developed and approval is hereby requested for use on the above referenced project.**

\_\_\_\_\_  
**Signature of Authorized Company Representative**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Phone**

\_\_\_\_\_  
**E-mail**

\_\_\_\_\_  
**Date**

Approved  Disapproved

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
**ADOT&PF Civil Rights Office OJT Coordinator** **Date**  
\_\_\_\_\_

**Section 7: Contractor Responsibility**

1. It is the responsibility of the Contractor to provide each Trainee with a copy of the OJT Training Program, Job Description and Training Timeline prior to the start of the project.
2. Each Trainee will be reviewed upon completion of each section of training. The review shall be in writing and indicate the number of hours of training received.
3. The Trainee shall participate in the review, sign and receive a copy of the review.
4. The close out evaluation should indicate capability level reached.
5. The area in which the Trainee did not advance in level from its initial starting capability, the Contractor will attach documentation as part of the close out evaluation which explains the reason(s) a higher capability was not reached.
6. If the Contractor fails to comply with their OJT approved training program the ADOT&PF will enforce the measures outlined in the Spec 645-5.01

**Section 8: DOT & PF Civil Rights Office (CRO) Monitoring**

1. The CRO will conduct an on-site visit to assess the OJT Training program at the project hour's half-way mark when feasible.
2. The CRO will coordinate the on-site with the Project Engineer

**Section 9: Trainee Assistance**

1. On a case-by-case basis the CRO may be able to assist with partial funding for the Trainee to receive certification(s).
2. The CRO upon completion of the Trainee OJT Training Program will issue a "DOT&PF Civil Rights Office" Certificate of On-the-Job Completion for FHWA funded Projects" that will reflect completed hours.
3. The Trainee will go on a list that will be posted on the CRO website for Primes to solicit for future employment opportunities
4. The Trainee will be eligible for the OJT 50% Reimbursement Program not to exceed \$500 dollars which administer through the CRO. The dollar amount may change due to FHWA grant monies received per fiscal year.







STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**TRAINING UTILIZATION REPORT**  
Federal-Aid Highway Contracts

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**  
Project Name and Number

Training Program Special Provision, Section 645 specifies the number of minorities and/or women to be trained and the number of hours of training to be provided under this Contract; the Contractor may train non-minority males in compliance with Section 645, but only if documentation of good faith efforts has been submitted to, and approved by, the Engineer, prior to the employment of such non-minority male(s). Good faith efforts, at a minimum, must be as extensive as the recruitment efforts listed in the EEO Bid Conditions (Form 25A-301).

The number of individuals to be trained under this Contract is 2.

The number of hours of training to be provided is 1,000.

This Training Special Provision implements 23CFR 230, Subpart A, Appendix B. Contractors can use either training programs approved by the U.S. Department of Labor, Office of Apprenticeship (USDOL/OA), or training programs approved by DOT&PF. The Contractor must complete this form indicating the type of training to be provided, the number of individuals to be trained in each trade or job classification, the number of hours of training to be provided,<sup>3</sup> and the anticipated training start date.

1. To be completed by Contractors using USDOL/OA Training Programs: Indicate below the number of apprentices, total number of hours, type of training, and anticipated start dates for each craft selected:

**APPROVED CRAFTS, CERTIFICATION NUMBERS AND JURISDICTIONAL AREAS**

STATEWIDE JURISDICTION				SOUTH OF THE 63° PARALLEL			
Craft/Cert Number	No. of Appr.	No. of Hrs.	Start Date	Craft/Cert Number	No. of Appr.	No. of Hrs.	Start Date
Asbestos Worker #90032				Carpenter #74032	2	1000	03/2022
Bricklayer #85040				Painter #72820			
Cement Mason & Plasterer #78533				Pipefitter #72586			
Electrician #81299				Plumber #83534 <sup>1</sup>			
Ironworker #76779				Sheetmetal Worker #74072			
Op. Engineer #X90349				Other #			
Roofer #X90317				<b>NORTH OF THE 63° PARALLEL</b>			
Piledriver <sup>2</sup> (3/30/75)				Carpenter #47990			
Camp Culinary <sup>2</sup> (4/25/74)				Painter #77750			
Laborer #XAK92T017				Fitter/Plumber #75055			
Other # _____				Sheetmetal #76781			
Other # _____				Other # _____			
				Other # _____			

1. Juneau Jurisdictional area is #83534 and Anchorage area is #72586.  
 2. U.S. DOL does not assign Certification numbers to these training programs. Only approval dates.  
 3. The total number of hours of training shall equal the hours of training shown in the Bid Schedule, Pay Item 645(1).

2. To be completed by Contractors using DOT&PF training programs: Indicate below the type of training, number of trainees, number of hours of training (500 hours per trainee), and anticipated start dates.

Job Classification	No. Trainees	Total No. Hrs.	Anticipated Start Date(s)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3. To be completed by all Contractors as part of the Contractor's EEO affirmative action program, the Contractor certifies that all training will be provided by the Contractor as stated in items 1 OR 2 above, in accordance with Training Program Special Provision, Section 645.

Hamilton Construction \_\_\_\_\_ PO Box 659, Springfield, OR \_\_\_\_\_  
 Company Name Company Address

Heide Wilson \_\_\_\_\_ jfirth@hamul.com \_\_\_\_\_  
 Point of Contact E-mail / Phone Number

Jeff Firth \_\_\_\_\_ 10/20/2021 \_\_\_\_\_  
 Signature of Authorized Company Representative Date

To be completed by the DOT&PF OJT Coordinator prior to contract award:  
 Training Program(s) approve for this Project and Date Approved:

Training Program	Trainee (s) / Apprentice (s)	Hours	Date Approved
<b>Carpenter (S63)</b>	<b>Two (2) @ 500/OJT position</b>	<b>1,000</b>	<b>10-20-2021</b>

\_\_\_\_\_  
 Signature of DOT&PF OJT Coordinator

\_\_\_\_\_  
 Date

**10-20-2021**



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**CONTACT REPORT**  
Federal-Aid Contracts

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**  
Project Name and Number

Specific Work or Materials (by pay Item): \_\_\_\_\_

**DBE**

**Firm Contacted:**

\_\_\_\_\_  
Name Address Phone Number

**A. INITIAL CONTACT:** (See important contact information on instruction sheet)

Method:

1. Date \_\_\_\_\_  Phone  Publication  Email  FAX  Other

2. Person \_\_\_\_\_  
Contacted \_\_\_\_\_  
Name Title

3. DBE's Response: Date: \_\_\_\_\_ Method:  Phone  Email  FAX  Other

- Submitted an acceptable sub-bid. (If sub-bid accepted, skip to Section D)
- Not interested: Indicate Reason(s) \_\_\_\_\_
- Needs more information: Date Prime provided requested information \_\_\_\_\_
- Will provide quote by: Date \_\_\_\_\_
- Received unacceptable sub-bid (complete Section C)

**B. FOLLOW-UP CONTACT:**

Method:

1. Date \_\_\_\_\_  Phone  Publication  Email  FAX  Other

2. Person \_\_\_\_\_  
Contacted \_\_\_\_\_  
Name Title

3. DBE's Response: Date: \_\_\_\_\_ Method:  Phone  Email  FAX  Other

- Submitted an acceptable sub-bid. (If sub-bid accepted, skip to Section D)
- Received unacceptable sub-bid (complete Section C)
- Other result: \_\_\_\_\_

**C. EXPLANATION OF FAILURE TO ACHIEVE AN ACCEPTABLE SUB-BID:**

1. Were the following required efforts made?

- a.  Yes  No Identified specific items of work, products, materials, etc. when asking for quote(s).
- b.  Yes  No Offered assistance in acquiring necessary bonding, insurance, and business development related assistance
- c.  Yes  No Provided all appropriate information concerning the specific work items or materials.

2. Was the DBE's quote non-competitive?  Yes  No

3. Was the DBE unable to perform in some capacity?  Yes  No If "Yes", explain: \_\_\_\_\_

**D. CERTIFICATION:** I certify that the information provided above is accurate and that efforts to solicit sub-bids were made in good faith.

\_\_\_\_\_  
Signature of Company Representative Title Date

\_\_\_\_\_  
Name of DOT&PF Reviewer Title Date

## INSTRUCTIONS

**Project Name and Number:** Enter project name and number as they appear on bid

documents. **Work or Materials:** Identify the specific work item or material that you

requested this firm to furnish. **Firm Contacted:** Enter name of firm as it appears in

the current DOT&PF DBE directory.

**Address:** Enter address of firm contacted. **Phone Number:** Enter phone number of firm contacted.

**A. INITIAL CONTACT** (Must be made at least seven calendar days prior to bid opening.)

1. **Date and Method of Initial Contact:** Indicate the method and date that actual contact was made or the date correspondence was postmarked. Leaving a "please call me" message does not constitute a contact. Attach a copy of dated letter or fax.

2. **Name and Title of Person Contacted.** Enter name and title of company representative with whom you corresponded or discussed submitting a sub-bid.

3. **DBE's Response:** Indicate one or more of the responses listed. If a firm bid was received and accepted, skip to section D.

### **B. FOLLOW-UP CONTACT**

If no response or an inconclusive response was received from the initial contact, a follow-up contact is required to determine for a certainty that the firm does not intend to submit a sub-bid or to conclude discussions with a sub-bid submittal.

1. **Date and Method of Follow-up Contact:** Indicate the method and date that actual contact was made or the date correspondence was postmarked. Leaving a "please call me" message does not constitute a contact. Attach a copy of dated letter or fax.

2. **Name and Title of Person Contacted.** Enter name and title of company representative with whom you corresponded or discussed submitting a sub-bid.

3. **DBE's Response:** Indicate one or more of the responses listed. If a firm bid was received and accepted, skip to section D.

### **C. EXPLANATION OF FAILURE TO ACHIEVE AN ACCEPTABLE SUB-BID**

1. A NO response to items 1a., b., or c. will result in rejection of this contact. Be specific on results of discussions.

2. A YES answer to item 2. is grounds for rejecting a DBE sub-bid.

3. A YES answer to item 3. is grounds for rejecting a DBE sub-bid, only if the inability to perform is in an area of work specifically identified as a sub-item under the applicable bid item.

### **D. CERTIFICATION**

This certification of accuracy and good faith by the Contractor will be verified by contact with the listed firm. Falsification of information on the DBE Contact Report is grounds for debarment action under AS 36.30.640(4).



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**DISADVANTAGED BUSINESS ENTERPRISE**

**UTILIZATION REPORT**

Federal-Aid Contracts

**KTN: Herring Cove Bridge Improvements; 0902043/SFHUY00072**

Project Name and Number

The undersigned hereby certifies on behalf of the bidder that:

- A. It  is  is not a DOT&PF certified DBE or DBE joint venture.
- B. The required good faith efforts (GFE) documentation is attached.
- C. Listed below are the **certified** DBEs to be used in this contract. Included are the firm name, bid items or portions of work to be performed by the item number, type of DBE credit claimed, and the creditable dollar amount to be counted toward the Department's overall DBE Utilization Goal.

FIRM NAME	BID ITEM, WORK, OR PRODUCT	SUBCONTRACT AMOUNT*	TYPE OF CREDIT	CREDITABLE DOLLAR AMOUNT**
Glacier State Contractors	W-Beam Guardrail	\$200,510.00	Subcontract	\$ 200,510.00
Work Zone LLP	Flagging/TCS/TCP	\$272,000.00	Subcontract	\$ 272,000.00
				\$
				\$
				\$
				\$
				\$

\*or expenditure amount or fee/commission amount. \*\*(Subcontract amount x Creditable CUF% per 120-4.01).

If more room is necessary, submit additional, signed copies of this form.

Total creditable DBE Utilization Amount      \$ 472,510.00  
 Basic Bid Amount      \$ 15,495,815.77  
 DBE Utilization % of Basic Bid Amount      3.06 %  
 Department's Overall DBE Utilization Goal\*\*\*      8.83 %

\*\*\*This is the overall goal of the Department and is not a set DBE Goal specific to this contract.

  
 \_\_\_\_\_  
 Signature of Authorized Company Representative

Vice-President  
 \_\_\_\_\_  
 Title

Hamilton Construction Alaska Co.  
 \_\_\_\_\_  
 Company Name

PO Box 659, Springfield, OR 97477  
 \_\_\_\_\_  
 Company Address (Street or PO Box, City, State, Zip)

10.4.2021  
 \_\_\_\_\_  
 Date

(541) 746-2426  
 \_\_\_\_\_  
 Phone Number





STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 Civil Rights Office – DBE Program

**PRIME CONTRACTOR'S WRITTEN DBE  
 COMMITMENT**

Federal-Aid Contracts

**KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072**  
 Project Name and Number

All firms bidding on Alaska Department of Transportation and Public Facilities (DOT&PF) projects must have a written commitment from each DBE firm to be subcontracted. Please complete this form for each DBE firm and submit to the DOT&PF Regional Compliance Officer.

If you have any questions, please call (907) 269-0851.

Name of DBE Firm: Glacier State Contractors

Street Address: \_\_\_\_\_

Mailing Address: P.O. Box 32894 City: Juneau

State: Alaska Zip Code: 99803

Telephone Number: 907-789-4976 Fax number: 907-789-3357

Description of the work that DBE firm will perform: W-Beam Guardrail

Removal and Disposal of Guardrail

Parallel Guardrail Terminal

Transition Rail

Guardrail Post Drilling or Spudding

Please provide additional information on a separate sheet of paper.

The dollar amount of participation by the DBE firm: \$ 200,510.00

Signatures of Authorized representatives of the Prime Contractor and the DBE firm below represent the written commitment by the Prime Contractor to subcontract with the DBE firm as described above and a written commitment by the DBE firm to subcontract for the work described above:

	<u>10-1-2021</u>	<u>Danielle Miller</u>	<u>10/01/2021</u>
Prime Contractor Signature	Date	DBE Firm Signature	Date

Prime Contractor Firm: Hamilton Construction Alaska Co.

Address: P.O. Box 309  
Sutton, AK 99674

Telephone Number: 907-746-5328 Fax number: 907-746-5330







STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
Civil Rights Office – DBE Program

**PRIME CONTRACTOR'S WRITTEN DBE  
COMMITMENT**

Federal-Aid Contracts

**KTN: Herring Cove Bridge Improvements; 0902043/SFHWHY00072**  
Project Name and Number

All firms bidding on Alaska Department of Transportation and Public Facilities (DOT&PF) projects must have a written commitment from each DBE firm to be subcontracted. Please complete this form for each DBE firm and submit to the DOT&PF Regional Compliance Officer.

If you have any questions, please call (907) 269-0851.

Name of DBE Firm: Work Zone LLP

Street Address: 4900 E Palmer Wasilla Hwy #109

Mailing Address: P.O. Box 876517 City: Wasilla

State: Alaska Zip Code: 99687

Telephone Number: 907-373-9675 Fax number: 907-376-1021

Description of the work that DBE firm will perform: Flagger/TCS/Traffic Control Plans

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please provide additional information on a separate sheet of paper.

The dollar amount of participation by the DBE firm: \$ 272,000.00

Signatures of Authorized representatives of the Prime Contractor and the DBE firm below represent the written commitment by the Prime Contractor to subcontract with the DBE firm as described above and a written commitment by the DBE firm to subcontract for the work described above:

10.1.2021 Jennifer Wood 10/01/2021  
Prime Contractor Signature Date DBE Firm Signature Date

Prime Contractor Firm: Hamilton Construction Alaska Co.

Address: P.O. Box 309  
Sutton, AK 99674

Telephone Number: 907-746-5328 Fax number: 907-746-5330





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**SUMMARY OF GOOD FAITH EFFORT DOCUMENTATION**  
Federal-Aid Contracts

KTN: Herring Cove Bridge Improvements; 0902043/SFHwy00072  
Project Name and Number

Contractor: HAMILTON CONSTRUCTION CO. ALASKA

List all items considered for DBE utilization. GFE requires at a minimum that the Contractor consider all items identified on Form 25A-324.

a. MATERIAL OR SPECIFIC ITEM OF WORK (SPECIFY PAY ITEM)	b. ACCEPTABLE DBE QUOTE RECEIVED <sup>1</sup>	c. # OF DBEs CONTACTED IN DBE DIRECTORY	d. # OF DBEs THAT RESPONDED <sup>2</sup>	e. # OF DBE QUOTES RECEIVED
1. Earthwork, grading, drainage		14	<del>    </del>	∅
2. Asphalt Paving		4		∅
3. Flagging, Traffic Control	X	4		
4. Guardrail	X	3		
5. Waterproofing Membrane		9		∅
6. Reinforcing Steel		5		∅
7. Drilled Shafts/Rock Sockets		0	∅	∅
8. Striping		3	∅	∅

1. Check if acceptable DBE quote was received (if so, skip c, d, and e)

2. Attach completed Contact Reports, Form 25A-321A

LIST ADDITIONAL ITEMS ON REVERSE SIDE

a. MATERIAL OR SPECIFIC ITEM OF WORK (SPECIFY PAY ITEM)	b. ACCEPTABLE DBE QUOTE RECEIVED <sup>1</sup>	c. # OF DBEs CONTACTED IN DBE DIRECTORY	d. # OF DBEs THAT RESPONDED <sup>2</sup>	e. # OF DBE QUOTES RECEIVED
9. Surveying		3	1	0
10. Demolition		11	111	0
11. Lighting/Electrical		5	0	0
12. Construction Signs		5	1	0
13. Permanent Signs		9	11	0
14. Landscape		4	1	0
15. Erosion Control		11	111	0

1. Check if acceptable DBE quote was received (if so, skip c, d, and e)

2. Attach completed Contact Reports, Form 25A-321A

Comments:

State of Alaska, Standard Specifications for Highway Construction, February 2020 Edition and Modified  
as Follows:

**STANDARD MODIFICATIONS  
AND SPECIAL PROVISIONS  
FOR**

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**KTN Herring Cove Bridge Improvements  
Project No. Project 0902043/SFHwy00072**

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**All Provisions contained in this section are considered Special Provisions unless otherwise designated as a Statewide Standard Modification (SM or HSM), Southcoast Region Standard Modification (SRM), Statewide Special Provision (S, HSP, SSP, or ES), or Southcoast Region Special Provision (SRS).**



**SECTION 101**

**DEFINITIONS AND TERMS**

**SR STANDARD MODIFICATION**

**101-1.02. ACRONYMS.** *Add the following:*

**CSUM** Contingent Sum

**CY** Cubic Yard

**LS** Lump Sum

**SF** Square Foot

**SY** Square Yard

**SRM-1 02/26/2020**

## SECTION 106

### CONTROL OF MATERIAL

#### 106-1.01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS.

*Add the following:*

**PROHIBITION ON CERTAIN TELECOMMUNICATION AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT.** On projects using federal funds, the Contractor shall comply with the requirements of 2 CFR 200.216, as amended effective August 13, 2020, Federal Register, Vol. 85, No. 157, 49506 – 49582, **Prohibition on certain telecommunication and video surveillance services or equipment.**

Contractor shall submit documentation acceptable to the Department certifying it has not entered into a contract nor extended or renewed a contract to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system produced by:

- Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
- Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
- Any entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

The Contractor shall further certify that it has complied with the requirements of 2 CFR 200.216, as amended effective August 13, 2020, Federal Register, Vol. 85, No. 157, 49506 – 49582 and that it will continue to do so throughout the term of the Contract.

#### SR STANDARD MODIFICATION

**106-1.03. TESTING AND ACCEPTANCE.** *Add the following:*

When ATM 207 is specified, Method D will be performed unless otherwise stated.

**SRM-2 02/26/2020**



**SECTION 108**

**PROSECUTION AND PROGRESS**

**SR STANDARD MODIFICATION**

**108-1.03 PROSECUTION AND PROGRESS.** Add the following after the list of documents submitted prior to the preconstruction conference:

The Contractor must submit three copies of the Contractor's Civil Rights Representatives contact information (Form 25A-302) identifying representatives of the Contractor and for representatives of each Subcontractor. Submit the completed form at the preconstruction conference and at the time any subcontract documents are submitted for approval. All contractors and subcontractors are required to update this information within 10 days after a personnel change occurs involving the individuals named in Form 25A-302.

Add the following new paragraph after the paragraph beginning "The Engineer's review or approval...":

The Contractor's Superintendent, SWPPP Manager, Worksite Traffic Supervisor, and Subcontractors scheduled to perform work shall attend a weekly meeting chaired by the Engineer to report project progress and action items.

**SRM-3 02/26/2020**

**STANDARD MODIFICATION**

**108-1.07 Failure to Complete on Time.** Delete Table 108-1 of this subsection in its entirety and replace with the following:

**TABLE 108-1  
DAILY CHARGE FOR LIQUIDATED DAMAGES  
FOR EACH CALENDAR DAY OF DELAY**

Original Contract Amount		Daily Charge
From More Than	To and Including	
\$ 0	500,000	\$1,000
500,000	1,000,000	1,500
1,000,000	5,000,000	1,800
5,000,000	10,000,000	2,500
10,000,000	25,000,000	3,800
25,000,000	-----	4,800

**HSM20-1 6/30/2020**

**SECTION 109**

**MEASUREMENT AND PAYMENT**

**SR STANDARD MODIFICATION**

**109-1.08 FINAL PAYMENT.** *Replace the first sentence of the second paragraph with the following:* If the Contractor certifies the final estimate, or does not file a claim within 90 days of receiving the final estimate, the estimate shall be processed for final payment.

*Replace the third paragraph with the following:* When the Contractor executes the Certification of Final Estimate (Form 25D-116) and executes the Contractor's Release (Form 25D-117), final payment will be processed.

**SRM-4 02/26/2020**

**STANDARD MODIFICATION**

**109-1.08 FINAL PAYMENT.** *Add the following after the fifth paragraph of this subsection:*

On federally funded projects, if DOLWD Wage and Hour Administration notifies the Department of a pending prevailing wage investigation, and that the investigation is preventing the closing out of the project, the Contractor may place the notified amount in escrow under Wage and Hour for the exclusive purpose of satisfying unpaid prevailing wages. Upon receipt of notice from Wage and Hour that the contractor has satisfactorily transferred the necessary funds into escrow, the Department will proceed to issue final payment.

**HSM20-3 11/30/2020**

## SECTION 201

### CLEARING AND GRUBBING

#### SR SPECIAL PROVISION

##### 201-3.01 GENERAL. Add the following:

Do not clear or grub within the migratory bird window listed in the Environmental Commitments unless:

- the area has been previously and sufficiently altered to provide no nesting habitat; or
- the area has been surveyed by a qualified bird expert to determine if there are existing bird nests. If nests are present the qualified bird expert shall establish an area around the nest that will prevent disturbance. Do not clear or grub the area until the qualified bird expert has determined the nest is no longer active (e.g. the nestlings have fledged, or the nesting activity has failed).

A qualified bird expert must possess a bachelor of science degree in a related biology field such as wildlife, ecology, or ornithology; or a season's experience conducting songbird field surveys. Submit the individual's qualifications to the Engineer for acceptance.

**201-5.01 BASIS OF PAYMENT.** Add the following: Work to comply with the Migratory Bird Treaty Act is subsidiary to clearing and grubbing.

#### SRS-4 02/26/2020

#### SR SPECIAL PROVISION

Add the following new subsection:

##### **201-3.07 CONTROL OF INVASIVE PLANTS.**

Control, remove, and dispose of soils and vegetative matter infested with invasive plants. Limit removal to those areas within the clearing and grubbing limits, and limit excavation related to invasive plants to the depths necessary to construct the work shown on the Plans. Areas of invasive plants shown on the Plans beyond the clearing and grubbing limits are shown so the Contractor does not stage equipment, stage materials, drive through, or otherwise disturb invasive plants outside of the work limits necessary to construct the project. Accomplish excavation of invasive plants and soil separate from, and prior to, other clearing and ground disturbing activities in the immediate area of the infestation.

1. Invasive Plants Survey. An invasive plants survey has been completed by the Department. The location, extent, and type of invasive plants is identified on the Plans. Submit an invasive plant control plan to control the identified plants at the identified locations.

2. Invasive Plant Control Plan.

Submit an invasive plant control plan, on the provided form, detailing steps for removal, containment, or disposal of invasive plants using the DOT&PF Southeast Region *Disposal and Control of Invasive Plant Species* as a guide. The guide is located here:

[http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/resources/se\\_invasive\\_final.pdf](http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/resources/se_invasive_final.pdf)

Submit the plan to the Engineer for approval. Allow 10 days for review by the Engineer. Do not conduct any clearing and ground disturbing activities in the immediate area of invasive plant infestations until the plan is approved by the Engineer. Pressure wash all tracked equipment, excavation equipment, and excavation hauling equipment prior to mobilization to ensure that the spread of invasive species is minimized. Clean all parts of equipment so that no invasive species would have the chance of being spread or imported into the community. Use the same cleaning method on all equipment involved in removing and disposing invasive plants after working in locations with invasive plants prior to using the equipment for a different activity, and prior to moving the equipment more than 1 mile between invasive plants areas or the cleaning location. Use the same cleaning method on all tracked equipment,

excavation equipment, and excavation hauling equipment prior to demobilization to prevent the export of invasive species.

Use silt fence, tarps, and other control measures to prevent dispersal of seed and other plant material from equipment cleaning areas and temporary soil or waste stockpiles that contain invasive plants.

**201-4.01 METHOD OF MEASUREMENT** Add the following:

3. Square Yard. Length times average width before removal.

**201-5.01 BASIS OF PAYMENT** Add the following:

Payment for Invasive Plant Species Control, Removal, and Disposal includes all work involved in the control, removal, and disposal of the invasive species; the invasive plant control plan; pressure washing equipment; silt fence, tarps, and other control measures to prevent dispersal of seed and other plant material.

Pay Item	Pay Unit
201.2001.0000 Invasive Plant Species Control, Removal, and Disposal	Square Yard

**SRS-5a**      **02/26/2020**

## SECTION 202

### REMOVAL OF STRUCTURES AND OBSTRUCTIONS

**202-3.03 REMOVAL OF BRIDGES, CULVERTS AND OTHER DRAINAGE STRUCTURES.** Replace item b Demolition under 2. Bridges with the following:

- b. Demolition. Remove and dispose of all bridge steel, concrete and timber bridge elements as indicated on the Plans. Do not damage new construction during demolition operations. Maintain the integrity of undemolished portions of the bridge structure during demolition operations.

Remove the existing pier only after traffic has been transferred to the new portion of the bridge. Remove the existing pier wall to an elevation 1 foot below the existing stream bed.

Saw cut the existing bridge deck during the initial staged construction in accordance with 501-3.16 except use full depth saw cuts.

**202-3.02 MAIL BOXES.** Delete this subsection and replace with the following:

Reference the location of existing mail boxes and newspaper delivery tubes. After referencing, remove existing mail boxes and newspaper delivery tubes within the project limits and temporarily reset them at approved locations. Install the boxes and tubes in such a position that their usefulness will not be impaired. Salvage any planter boxes, plaques, and other decorations and give them to the homeowner. Do not reinstall any of the decorative items.

After construction has been completed, reinstall the existing mail boxes and tubes on new posts. Meet the requirements of Alaska Standard Plans M-20 and M-23 for the new posts. Place them in the referenced location, adjusting the offset from the road to meet the box-to-shoulder distance in M-20. Repair or replace any posts, boxes, tubes, and other material broken or damaged by the Contractor.

**202-3.03 REMOVAL OF BRIDGES, CULVERTS AND OTHER DRAINAGE STRUCTURES.** Replace item b Demolition under 2. Bridges with the following:

- b. Demolition. Remove and dispose of all bridge steel, concrete and timber bridge elements as indicated on the Plans. Do not damage new construction during demolition operations. Maintain the integrity of undemolished portions of the bridge structure during demolition operations.

Remove the existing pier only after traffic has been transferred to the new portion of the bridge. Remove the existing pier wall to an elevation 1 foot below the existing stream bed.

Saw cut the existing bridge deck during the initial staged construction in accordance with 501-3.16 except use full depth saw cuts.

**202-5.01 BASIS OF PAYMENT.** Items 202.0010.0000 through 202.0012.0000. Add the following after "Payment includes": referencing existing location,

**SRM-5 02/26/2020**

**202-3.05 REMOVAL OF PAVEMENT, SIDEWALKS, AND CURBS.**

Add the following new subsection:

**202-3.09 DISPOSAL OF PAVEMENT, SIDEWALKS, AND CURBS.**

Pavement, sidewalk and curb materials not being used in the project, stored at a Contractor DEC approved site, provided to the local Department Maintenance and Operations Yard, or disposed of at a previously approved DEC disposal site require a Alaska Department of Environmental Conservation (DEC) Solid Waste Disposal Permit.

Use a disposal site outside the project limits. Obtain written consent from the property owner. Dispose of solid waste materials, pavement, sidewalk, and curb (including handling, transporting, storing and disposing) according to the DEC Regulations.

**202-5.01 BASIS OF PAYMENT.** *Add the following:* Cutting, processing, hauling and stockpiling asphalt pavement is subsidiary to Pay Item 202.0002.0000 Removal of Pavement.

#### **STANDARD MODIFICATION**

**202-5.01 BASIS OF PAYMENT.** *In the first paragraph, replace the words “and 22.0013.\_\_\_\_.” with the following:*

“and 202.0013.\_\_\_\_.”

*In the fourth paragraph, replace the words “Items 020.0014.\_\_\_\_ ” with the following:*

“Items 202.0014.\_\_\_\_ “

**HSM20-4      11/30/2020**

**SECTION 203**

**EXCAVATION AND EMBANKMENT**

**SR STANDARD MODIFICATION**

**203-2.01 MATERIALS.** 1. Unclassified Excavation. *Delete the second sentence.*

2. Classified Excavation., b. Rock Excavation. *Replace with the following:* Rock that cannot be excavated without blasting or specialized equipment designed for the removal of rock.

**SRM-6 02/26/2020**

**STANDARD MODIFICATION**

**203-3.04 COMPACTION WITH MOISTURE AND DENSITY CONTROL.** *In the second paragraph of this subsection, delete the words "and ATM 214".*

**HSM20-5 11/30/2020**

**203-2.01 MATERIALS** *Add the following:*

Shot Rock Embankment	Subsection 703-2.19
Choker Course	Subsection 703-2.20

**203-3.03 EMBANKMENT CONSTRUCTION.** *Add the following to the 11<sup>th</sup> paragraph:* The top 6-inch layer of rock embankment shall consist of a choker course of well graded stone or gravel. Separation geotextile may be substituted for the choker course.

**203-5.01 BASIS OF PAYMENT.**

*Add the following:* Choker course is paid for at the Contract price for Item 203.0006.0000. When separation geotextile is substituted for the choker course, separation geotextile is subsidiary to Item 203.0006.0000.

<b>Pay Item</b>	<b>Pay Unit</b>
203.0006.0000 Borrow, Shot Rock	Tons

*Add the following:* Special Ditch is paid for at the Contract price for Item 203.2008.0000. Fine grading per plans is subsidiary to work under Section 641.2008.0000

<b>Pay Item</b>	<b>Pay Unit</b>
203.2008.0000 Special Ditch	Linear Foot

**SECTION 204**

**STRUCTURE EXCAVATION FOR CONDUITS  
AND MINOR STRUCTURES**

**SR STANDARD MODIFICATION**

**204-2.01 MATERIALS.** Delete the first paragraph and replace with the following: Unless detailed otherwise on the Plans, use bedding material to 12 inches above the pipe. Install a bedding plug at the inlet end of the culvert pipe with a compacted, dense-graded material, such as E-1, F-1, or other approved material.

For corrugated polyethylene pipe, water and sewer conduit, or minor structures, use bedding material meeting the following gradation:

<b>SIEVE</b>	<b>PERCENT PASSING BY WEIGHT</b>
1 ½ in.	100
No. 4	30-70
No. 200	0-10

For corrugated metal pipe, use bedding material meeting Subsection 703-2.07 Selected Material Type B, with 100% passing the 3-inch sieve.

Do not use Reclaimed Asphalt Material (RAM), Recycled Asphalt Pavement (RAP), or any mixture containing asphaltic material for bedding and backfill material.

Add the following to the second paragraph: unless otherwise detailed on the Plans.

**204-3.01 CONSTRUCTION REQUIREMENTS.** Delete the first sentence of the fourth paragraph and replace with the following: Unless otherwise detailed on the Plans, native material may be utilized for electrical conduit backfill outside the pavement structure if it meets the minimum requirements of Selected Material, Type C, as specified in Subsection 703-2.07.

Add the following: Construct a bedding plug near the culvert inlet by backfilling around the bottom, sides, and top of the pipe with the approved material. Construct the bedding plug, as measured along the pipe axis, with a length 1.5 times the pipe diameter, not to exceed 8 feet in length.

**204-5.01 BASIS OF PAYMENT.** Add the following to the first paragraph: The installation of a bedding plug is subsidiary to the conduit or other minor structure installation.

Delete the fourth paragraph and replace with the following: Bedding is subsidiary to the culvert, conduit and minor structure installation. Backfill materials are subsidiary to the culvert, conduit, and minor structure, with the exception of material required whose source is outside the project limits. Backfill required from outside the project limits will be paid for at the contract unit price for the material being used, or as extra work if no contract unit price is established for that item.

**SRM-7 02/26/2020**



## SECTION 205

### EXCAVATION AND FILL FOR MAJOR STRUCTURES

**205-2.01 MATERIALS.** *Add the following:*

Geotextile, Separation, Class I Subsection 729-2.01

**205-3.02 STRUCTURAL FILL.** *Add the following:* Place geotextile as shown on the Plans in accordance with Section 630 prior to placing structural fill.

**205-5.01 BASIS OF PAYMENT.** *Add the following:* Geotextile, Separation, Class 1 is subsidiary.

#### STANDARD MODIFICATION

**205-3.05 COMPACTION.** *In the second paragraph of numbered paragraph 1. Compaction With Moisture and Density Control, delete the words "and ATM 214".*

HSM20-5      11/30/2020

**205-5.01 BASIS OF PAYMENT.** *Add the following:* Geotextile, Separation, Class 1 is subsidiary.

## SECTION 301

### AGGREGATE BASE AND SURFACE COURSE

#### SR SPECIAL PROVISION

**301-2.01 MATERIALS.** Add to the first paragraph: Reclaimed Asphalt Material (RAM) may be substituted for aggregate base course for materials paid under 301(1) if it meets the requirements of Subsection 703-2.17.

**301-3.03 SHAPING AND COMPACTION.** Add the following to the end of the first paragraph: If RAM is used and the maximum density cannot be determined by ATM 207 or ATM 212, the Engineer may use ATM 412. The control strip for ATM 412 shall be at least 300 feet long using a vibratory compactor with a minimum dynamic force of 40,000 pounds.

**301-5.01. BASIS OF PAYMENT.** Add the following: When RAM is substituted for aggregate, it will be paid for as Item 301.0001.00D1 Aggregate Base Course, Grading D-1 at the contract unit price.

Any work required to make RAM usable and bring into compliance with section 703-2.17 is subsidiary.

**SRS-6 08/10/2020**

#### SR STANDARD MODIFICATION

##### **301-3.03 SHAPING AND COMPACTION.**

Add the following to the end of the first paragraph: If the maximum density cannot be determined by ATM 207 or ATM 212, the Engineer may use ATM 309. The control strip for ATM 309 shall be at least 300 feet long using a vibratory compactor with a minimum dynamic force of 40,000 pounds.

Delete the last paragraph beginning with "The finished surface" and replace with the following: After the base course compaction is complete the Engineer will test the surface for smoothness and accuracy of grade and crown with a 10 foot straightedge. Correct any areas that vary more than 3/8 inch when measured in any direction with the straightedge, or vary more than 1/2 inch from the proposed grade as established by grade hubs. Make corrections by scarifying, reshaping, re-compacting, and otherwise manipulating, until the required smoothness and accuracy is obtained.

**SRM-8 08/10/2020**

#### STANDARD MODIFICATION

**301-3.03 SHAPING AND COMPACTION.** In the second paragraph of this subsection, delete the words "and ATM 214".

**HSM20-5 11/30/2020**

## SECTION 306

### ASPHALT TREATED BASE COURSE

**306-2.01 MATERIALS.** Aggregate. Add the following: Aggregates accepted for gradation based on samples taken after discharge from the hot plant may exceed the No. 200 sieve limit of 6%, but must not exceed 8%. At the Contractor's option, the aggregate gradation approved in the asphalt mix design under Section 401 may be used in lieu of grading D-1.

**306-3.01 COMPOSITION OF MIXES.** Delete the third paragraph and replace with the following: The ATB mixture must contain between 4.0 percent and 5.0 percent asphalt binder PG 58-28. Furnish anti-strip additive in the amount of 0.3 percent per ton of asphalt binder.

**306-3.02 WEATHER LIMITATIONS.** Delete this Subsection and replace with the following: Do not place ATB on a frozen subgrade or when there is standing or ponding water on the subgrade. Do not place ATB unless air temperatures are above freezing and stable or rising.

**306-3.07 MIXING.** Delete the last three words at the end of the Subsection and insert the following after "cold feed conveyor": "or from representative samples taken from the stockpile, at the Engineer's option. When ATM 406 is used to determine asphalt binder content, the sample used in the ignition oven will be used for gradation in accordance with ATM 408."

**306-3.08 SPREADING AND FINISHING.** In the 2<sup>nd</sup> paragraph, replace the 3<sup>rd</sup> and 4<sup>th</sup> sentences with: Prior to placing ATB, clean existing surfaces of loose material and uniformly coat contact surfaces of cold joints, curbing, gutters, manholes and other structures with tack coat meeting Section 402. Place tack coat meeting Section 402 between successive layers of ATB.

Add the following: Offset the longitudinal joints in the ATB course six inches from subsequent ATB or Hot Mix Asphalt Pavement (HMA) layers. Offset transverse joints in the ATB by approximately 30 feet.

**306-4.01 METHOD OF MEASUREMENT.** Add the following to the first paragraph: For ATB, a Sublot will be 500 Tons.

#### SR SPECIAL PROVISION

**306-4.01 METHOD OF MEASUREMENT.** Delete the 2<sup>nd</sup> paragraph and replace with the following: Asphalt Binder. Asphalt binder will not be measured for payment

**306-5.01 BASIS OF PAYMENT.** Add the following: Payment for Item 306.0001.0000 ATB includes Asphalt Binder.

**SRS-9a 02/26/2020**

## SR STANDARD MODIFICATION

Delete Section 401 in its entirety and replace with the following:

### SECTION 401

#### HOT MIX ASPHALT PAVEMENT

**401-1.01 DESCRIPTION.** Construct one or more courses of plant-produced Hot Mix Asphalt (HMA) pavement on an approved surface, to the lines, grades, and depths shown on the Plans.

Warm Mix Asphalt (WMA) may be used in lieu of conventional HMA. If the Contractor proposes WMA all provisions of this Section are in effect with the exception of a reduction in temperature may be allowed to produce and construct the asphalt concrete consistent with the WMA technology approved.

#### MATERIALS

**401-2.01 ASPHALT BINDER.** Conform to Subsection 702-2.01. Asphalt binder may be conditionally accepted at the source providing a manufacturers certification of compliance according to Subsection 106-1.05, and test results of the applicable requirements of Section 702. Use PG 58-28 if no Grade is specified.

**401-2.02 LIQUID ANTI-STRIP ADDITIVE.** Add anti-strip additive at the following rates by weight of asphalt binder at the point of manufacture:

Liquid Anti-Strip Type	Dose, %
Amines Based	0.30
Phosphate Ester Based	0.30
Organo-Silane Based	0.05

**401-2.03 JOINT ADHESIVE.** Conform to Subsection 702-2.05.

**401-2.04 JOINT SEALANT.** Conform to Subsection 702-2.06.

**401-2.05 WARM MIX ASPHALT (WMA).** Conform to Subsection 702-2.07.

**401-2.06 ASPHALT RELEASE AGENT.** Conform to Subsection 702-2.08.

**401-2.07 AGGREGATES.** Conform to Subsection 703-2.04. Use a minimum of three stockpiles of aggregate.

**401-2.08 RECYCLED ASPHALT PAVEMENT.** Recycled asphalt pavement (RAP) may be used in the production of HMA. The RAP may be from pavements removed under the Contract, or from an existing stockpile. Conform to Subsection 703-2.16.

**401-2.09 JOB MIX DESIGN (JMD).** Provide target values for gradation that satisfy both the broad band gradation limits shown in Table 703-4 and the requirements of Table 401-1, for the Type and Class of HMA specified.

**TABLE 401-1  
HMA MARSHALL DESIGN REQUIREMENTS**

<b>DESIGN PARAMETER</b>	<b>CLASS "A"</b>	<b>CLASS "B"</b>
<b>HMA (Including Asphalt Binder)</b>		
Stability, Pounds	1800 Min.	1200 Min.
Flow, 0.01 Inch	8 – 14	8 - 16
Voids in Total Mix (VTM), %	3.0 – 4.0	3.0 – 4.0
Compaction, Number of Blows Each Side of Test Specimen	75	50
<b>Asphalt Binder</b>		
Voids Filled with Asphalt (VFA), %	65 - 75	65 - 78
Asphalt Content, Min. %	5.0	5.0
Dust-Asphalt Ratio*	0.6 - 1.4	0.6 - 1.4
<b>Voids in the Mineral Aggregate (VMA), %, Min.</b>		
Type I	12.0	11.0
Type II	13.0	12.0
Type III	14.0	13.0
Liquid Anti-Strip Additive**, %	0.30	0.30
RAP, %, Max.	15.0	15.0

\*Dust-Asphalt ratio is the percent of material passing the No. 200 sieve divided by the percent of effective asphalt binder (calculated by weight).

\*\* By Weight of Asphalt Binder

The approved JMD will specify the Target Values (TV) for gradation, the TV for asphalt binder content, the Maximum Specific Gravity (MSG) of the HMA, the additives, and the recommended mixing temperature range.

Submit the following to the Engineer at least 30 days before the production of HMA:

- a. A letter stating the location, size, and type of mixing plant. The letter shall state whether or not WMA, RAP, or both will be used. The letter shall include the proposed gradation for the JMD, gradations for individual stockpiles, and the blend ratio of each aggregate stockpile.
- b. Representative samples of each aggregate (coarse, intermediate, fine, blend material and mineral filler, if any) in the proposed mix design. Furnish a total of 350 pounds of material in the proportional amounts in the proposed JMD.
- c. Five separate 1-gallon samples of the asphalt binder proposed for use in the HMA. Include name of product, manufacturer, test results of the applicable quality requirements of Subsection 702-2.01, manufacturer's certificate of compliance according to Subsection 106-1.05, a temperature-viscosity curve for the asphalt binder or manufacturer's recommended mixing and compaction temperatures, and current Material Safety Data Sheet.
- d. One sample, minimum one pint, of the anti-strip additive proposed, including name of product, manufacturer, and manufacturer's data sheet, and current Material Safety Data Sheet.
- e. Testing results per Subsection 106-1.03.1 for each aggregate type proposed for use.
- f. If applicable, a letter stating the WMA technology (Subsection 702-2.07) to be used, location where additive will be introduced and manufacturer's recommended usage rate for each type of HMA. Provide a written proposal describing the technology and products to be used, the production details, the expected mixing and compaction temperatures, specialized Asphalt Mixing Plant modifications, and testing items that require special attention during WMA production and placement, including compatibility of additives to the asphalt cement and its constituents.

The mix design requirements for conventional HMA apply to the development of a WMA mix design, unless the WMA technology warrants modifications to the mix design process that is justified in the written proposal.

For WMA using chemical or mineral additives, submit a sample of the additive as the mix design will be checked with the additive in the mixture to determine if an adjustment in mix proportioning is necessary to achieve the same or similar properties and performance as conventional HMA.

- g. If applicable, representative samples of any RAP proposed for use. Furnish a minimum of 200-pound sample of proposed RAP.

The Engineer will evaluate the material and the proposed gradation using ATM 417 and the requirements of Table 401-1 for the appropriate Type and Class of HMA specified, and establish the approved JMD which will become a part of the Contract.

Obtain an approved JMD prior to shipment of aggregates to an asphalt plant site and producing HMA for payment.

Contractor Mix Design. If a bid item for JMD appears in the contract, or if the Engineer approves a request from the Contractor to perform the JMD at no cost to the Department, provide a JMD following the requirements specified in this section. Submit the JMD to the Engineer at least 30 working days before HMA production. Submit samples to the Engineer upon request for JMD verification testing.

All Contractor-furnished JMDs shall be sealed by a Professional Engineer registered in the State of Alaska. The Professional Engineer shall certify that the JMD was performed according to the specified procedures, and meets all project specifications.

Changes. Submit a new JMD with changes noted and new samples in the same manner as the original JMD submittal when:

- a. The results of the JMD evaluation do not achieve the requirements specified in Table 401-1
- b. The asphalt binder source is changed
- c. The source of aggregate, aggregate quality, or gradation is changed

Changes to the JMD apply only to HMA produced after the approval of changes.

## **CONSTRUCTION REQUIREMENTS**

**401-3.01 PRE-PAVING MEETING.** Hold a pre-paving meeting on-site with the Engineer at least three days before paving begins. Include the project superintendent, paving foreman, asphalt plant operator, and the Contractor's quality control representative at the pre-paving meeting. Submit a paving plan and pavement inspection plan (per 401-3.20) at least seven days prior to the pre-paving meeting.

Include the following elements in the paving plan and address these elements at the meeting:

- a. Paving schedule, including sequence of operations and number of anticipated days of paving.
- b. Number and capacity of trucks, cycle time, and delivery rate.
- c. Manufacturer and model of the paver and pickup machine, including information on grade followers, sensors, operating speed, and production rate of the paver.

- d. Number, type, weight, and operating speed of rollers.
- e. Plant operating capacity and calibration, target production rate, and summary of plant modifications (if applicable) for production of WMA.
- f. Procedures to produce consistent HMA.
- g. Procedures to minimize material and thermal segregation.
- h. Procedures to minimize premature cooling.
- i. Procedures to achieve HMA density.
- j. Joint location and constructing, including joint adhesive for all top-layer joints, and corrective action for joints that do not meet requirements.
- k. Quality control testing methods, frequencies and sample locations for gradation, asphalt binder content, in-place density, surface smoothness, moisture content of aggregates and mix, temperatures at the plant and job site, and any additional testing deemed necessary to control the process and furnish a product meeting the contract requirements.
- l. Any other information or procedures necessary to provide completed HMA construction that meets the contract requirements.

Include the following elements in the pavement inspection plan and address these elements at the meeting:

- a. Process for daily inspections.
- b. Means and methods to remove and dispose of project materials.

**401-3.02 RESERVED.**

**401-3.03 WEATHER LIMITATIONS.** Place HMA on a dry, non-yielding roadbed. Place the top layer of HMA between the dates of May 15 and September 15, unless otherwise approved in writing by the Engineer. Do not place any HMA on frozen or yielding roadbed material, when free water is present on the road surface, or when weather conditions prevent proper handling or finishing of the mix. Do not place any HMA unless the roadway surface temperature is at a minimum of 40° F or warmer.

**401-3.04 EQUIPMENT, GENERAL.** Use equipment in good working order and free of HMA buildup. Make all equipment available for inspection and demonstration of operation a minimum of 24 hours before placement of HMA.

**401-3.05 ASPHALT MIXING PLANT.** Meet AASHTO M 156. Use an HMA plant capable of producing at least 150 tons of HMA per hour noted on posted Alaska Department of Environmental Conservation (ADEC) air quality permit, designed to dry aggregates, maintain consistent and accurate temperature control, and accurately proportion asphalt binder and aggregates. Calibrate the HMA plant and furnish copies of the calibration data to the Engineer at least 24 hours before HMA production.

Provide a scalping screen at the asphalt plant to prevent oversize material or debris from being incorporated into the HMA.

Provide a tap on the asphalt binder supply line just before it enters the plant (after the 3-way valve) for sampling asphalt binder. Provide aggregate and asphalt binder sampling locations meeting AKOSH safety requirements.

You may use belt conveyor scales to proportion plant blends and mixtures if the scales meet the general requirements for weighing equipment and are calibrated according to the manufacturer's instructions.

If WMA is approved by the Engineer, modify the mixing plant as required by the manufacturer and WMA additive manufacturer.

**401-3.06 HAULING EQUIPMENT.** Haul HMA in trucks with tight, clean, smooth beds. Keep beds free of petroleum oils, solvents, or other materials that would adversely affect the mixture. Apply a thin coat of approved asphalt release agent to beds as necessary to prevent mixture adherence. Cover the asphalt load in the haul unit with a tightly secured tarp when: 1) the haul is greater than 30 minutes one-way 2) it is raining along the haul route, or 3) the air temperature is below 40° F.

Do not transport HMA on barges.

Provide the number of hauling vehicles needed to maintain continuous flow to the paver while accommodating the plant capacity outlined in 401-3.05.

**401-3.07 ASPHALT PAVERS.** Use self-propelled asphalt pavers with heated vibratory screed assemblies to spread and finish HMA to the specified section widths and thicknesses without introducing thermal or material segregation.

Equip the paver with a receiving hopper having sufficient capacity for a uniform spreading operation and a distribution system to place the HMA uniformly in front of screed. Use a screed assembly that produces a finished surface of the required smoothness, thickness and texture without tearing, shoving or displacing the HMA. Heat and vibrate screed extensions. Place auger extensions within 20 inches of the screed extensions or per written manufacturer's recommendations.

Equip the paver with a means of preventing segregation of the coarse aggregate particles from the remainder of the HMA when carried from the paver hopper back to the augers.

Equip the paver with automatic screed controls capable of operating from a reference line or a ski from either or both sides of the paver.

The use of a "Layton Box" or equivalent towed paver is allowed only on bike paths, sidewalks, and driveways.

**401-3.08 ROLLERS.** Use self-propelled rollers designed to compact HMA and capable of reversing without shoving or tearing the mixture. Select rollers that will not crush the aggregate or displace the HMA. Equip vibratory rollers with separate vibration and propulsion controls.

Utilize a pneumatic roller in the complement of rollers to compact a leveling course. Use a fully skirted pneumatic-tire roller having a minimum operating weight of 3000 pounds per tire.

Provide a sufficient number and weight of rollers to compact the mixture to the required density while maintaining the pace of the paving operations.

**401-3.09 MATERIAL TRANSFER DEVICE / MATERIAL TRANSFER VEHICLE.** Do not transfer HMA directly from the hauling equipment to the paver during placement of the final lift. For the final lift, use a Material Transfer Device or a Material Transfer Vehicle (as defined below) to deliver the HMA from the hauling equipment to the paver. HMA placed in irregularly shaped and minor areas such as road approaches, tapers, and turn lanes are excluded from this requirement.

A Material Transfer Device (e.g. a windrow elevator) takes HMA delivered by the hauling equipment and transfers the HMA directly to the paver.



A Material Transfer Vehicle (e.g. a Roadtec Shuttle Buggy, Weiler E2850) is self-propelled, takes HMA delivered by the hauling equipment, stores a minimum of 20 tons of HMA, remixes the HMA with multiple pitch augers to a uniform temperature, and transfers the HMA directly to the paver.

**401-3.10 PREPARATION OF EXISTING SURFACE.** Prepare existing surfaces according to the Contract. Prior to placing HMA, clean existing surfaces of loose material and uniformly coat contact surfaces of curbing, gutters, manholes and other structures with tack coat material meeting Section 402. Treat cold joint surfaces according to 401-3.17.

Before applying tack coat to an existing paved surface, clean the surface. Remove irregularities to provide a reasonably smooth and uniform surface. Clean the edges of existing pavements, which are to be adjacent to new pavement, to permit the adhesion of asphalt materials. Wash and sweep the paved surface clean and free of loose materials.

When Item 401.0016.0000 appears in the bid schedule:

1. Clean loose material from cracks.
2. Fill the cleaned cracks, wider than 1 inch, with an approved HMA tamped in place.

When Item 401.0017.0000 appears in the bid schedule, prelevel ruts, pavement delaminations, and depressions, having a depth greater than 1/2 inch with an approved HMA. Apply tack coat to all areas to be preleveled.

When Item 401.0018.0000 appears in the bid schedule:

1. Notify the Engineer of pavement areas where the milling operation creates thin or unstable pavement areas, or where it breaks through existing pavement.
2. In those areas, remove thin and unstable pavement, and 2 inches of existing base material, compact and replace with an approved HMA.

**401-3.11 PREPARATION OF ASPHALT.** Provide a continuous supply of asphalt binder to the asphalt mixing plant at a uniform temperature, within the recommended mixing temperature range.

**401-3.12 PREPARATION OF AGGREGATES.** Dry the aggregate so the moisture content of the HMA, sampled at the point of acceptance for asphalt binder content, does not exceed 0.5% (by total weight of mix), as determined by ATM 407.

Heat the aggregate for the HMA to a temperature compatible with the mix requirements specified.

Adjust the burner on the dryer to avoid damage to the aggregate and to prevent the presence of unburned fuel on the aggregate. HMA containing soot or fuel is unacceptable per Subsection 105-1.11.

**401-3.13 MIXING.** Combine the aggregate, asphalt binder, and additives in the mixer in the amounts required by the JMD. Mix to obtain at least 98% coated particles when tested according to AASHTO T195.

For batch plants, put the dry aggregate in motion before addition of asphalt binder.

Mix the HMA within the temperature range determined by the JMD.

Upon the Engineer's request, provide daily burner charts showing start/stop times and temperatures.

**401-3.14 TEMPORARY STORAGE OF HMA.** Silo type storage bins may be used, provided the characteristics of the HMA remain unaltered.

Signs of visible segregation, heat loss, changes from the JMD, change in the characteristics of asphalt binder, lumpiness, and stiffness of the mixture, are causes for rejection.

Do not store HMA on barges.

**401-3.15 PLACING AND SPREADING.** Use asphalt pavers to distribute HMA, including leveling course and temporary HMA. Place the HMA upon the approved surface, spread, strike off, and adjust surface irregularities. The maximum compacted lift thickness allowed is 3 inches.

When multiple lifts are specified in the Contract, do not place the final lift until all lower lifts throughout that section, are placed and accepted.

Do not place HMA abutting curb and gutter until curb and gutter have cured for at least 72 hours, or reached 80% of the minimum required compressive strength.

When practicable, adjust elevation of metal fixtures before paving the final lift, so they will be between 1/4 and 1/2 inch below the top surface of the final lift. Metal fixtures include, but are not limited to manholes, valve boxes, monument cases, hand holes, and drains.

Use hand tools to spread, rake, and lute the HMA in areas where irregularities or unavoidable obstacles make mechanical spreading and finishing equipment impracticable.

Place HMA over bridge deck membranes according to Section 508 and the membrane manufacturer's recommendations. If using WMA, ensure the placement temperature meets the membrane manufacturer's temperature requirements.

Do not mix HMA produced from different plants for testing or paving.

**401-3.16 COMPACTION.** Thoroughly and uniformly, compact the HMA by rolling. In areas not accessible to large rollers, compact with mechanical tampers or trench rollers.

The target value for density is 94.0% of the Maximum Specific Gravity (MSG) as determined by ATM 409. The MSG from the approved JMD will be used for the first lot of each type of HMA. The MSG for subsequent lots will be determined from the first subplot of each lot.

During placement of asphalt concrete the Engineer may evaluate the HMA immediately behind the paver for thermal segregation using an infrared camera. If there is a temperature differential that exceeds 25° F within the newly placed mat, low density is likely to occur. The real time thermal images and thermal profile data will become part of the project records and will be made available to you. The contractor shall immediately adjust the laydown procedures to correct the problem. If the Engineer observes four or more areas in any given pay lot where the thermal images indicate low density is probable, they will order those areas to be cored for determination of density. Requirements in Subsection 401-4.02, paragraph 3. Density apply. These cores will be evaluated under Subsection 401-4.05.

Do not leave rollers or other equipment standing on pavement until the HMA has cooled sufficiently to prevent indentation.

**401-3.17 JOINTS.** Place and compact the HMA to provide a continuous bond, texture, and smoothness between adjacent sections of the HMA.

Minimize the number of joints. Do not construct longitudinal joints in the driving lanes unless approved by the Engineer in writing at the pre-paving meeting. Offset the longitudinal joints in one layer from the joint in the layer immediately below by at least 6 inches. Align the joints of the top layer at the centerline or lane lines. If the combined width of the lane and shoulder is 18 feet or less, place the HMA without a joint at the outside lane line.

Form transverse joints by saw-cutting back on the previous run to expose the full depth of the course or by using a removable bulkhead. Skew transverse joints 15 to 25 degrees, unless paving a milled surface.

For all joints below the top lift, and transverse joints in the top lift, uniformly coat joint surfaces with tack coat material meeting Section 402 prior to paving against the joint.

Construct longitudinal joints in the top lift by one of the following methods:

1. Cut or mill the joint to a smooth vertical face, parallel to centerline  $\pm 1$  inch. A maximum of 4 inches will be allowed for cutting back of longitudinal joints. Uniformly coat the entire cut joint face with a joint adhesive 1/8" thick prior to paving against the joint. Follow the joint adhesive manufacturer's recommendations for temperatures and application method. Remove joint adhesive applied to the top of pavement surface.
2. Use an infrared joint heater to reheat the existing mat above 200°F, within 3 inches of the joint, at the time HMA is placed against the joint. Do not use an open flame, do not allow the HMA to burn, and do not heat the HMA above the mixing temperature when reheating. The longitudinal joint may be cut or milled back a maximum of 4 inches, at the Contractor's option.

The Lower Specification Limit for top lift longitudinal joint density is 91.0% of the MSG of the panel completing the joint. MSG will be determined according to ATM 409. The MSG from the approved JMD will be used for the first lot of each type of HMA. The MSG for subsequent lots will be determined from the first subplot of each lot.

If pay item 401.0009, \_\_\_\_\_ Longitudinal Joint Density appears in the contract, top lift longitudinal joints will be evaluated for acceptance according to Subsection 401-4.03. No adjustment will be made to the MSG or any other material property due to the application of joint adhesive in evaluating the joint density.

Correct improperly formed joints that result in surface irregularities according to an approved corrective action plan.

If the longitudinal joint density test result for a subplot is between 89.0% and 91.0%, seal the surface of all longitudinal joints within that subplot using a joint sealant meeting Subsection 702-2.06. Apply joint sealant according to the manufacturer's recommendations while the HMA is clean, free of moisture and prior to final traffic marking. Place the sealant at an application rate of 0.15 gallons per square yard, and at least 12 inches wide centered on the longitudinal joint.

When the longitudinal joint density test result for a subplot is less than 89.0%, the work is unacceptable according to 105-1.03.

Hot lapped joints are defined as joints formed when both mats that form the joint did not cool below 200°F within 3 inches of the joint. A joint that is allowed to cool below 200°F and subsequently reheated is not a hot lapped joint. Tack coat and joint adhesive are not required on hot lapped joints. Hot lapped joints will not be tested for joint density.

**401-3.18 SURFACE REQUIREMENTS AND TOLERANCES.** The finished surface of all HMA paving must match dimensions shown in the contract for horizontal alignment and width, profile grade and elevation, crown slope, and pavement thickness. Water must drain across the pavement surface without ponding. The surface must have a uniform texture, without ridges, puddles, humps, depressions, and roller marks. The surface must not exhibit raveling, cracking, tearing, asphalt bleeding, or aggregate segregation. Leave no foreign material, uncoated aggregate or oversize aggregate on the HMA surface.

The Engineer will test the top lift after final rolling at selected locations using a 10-foot straightedge. The entire pavement surface may be measured, including beginning and ending transitions, turn lanes, and all joints. The Engineer will identify pavement areas that deviate more than 3/16 inch from the straightedge, including joints, as unacceptable work. For a milled leveling course, the Engineer will identify areas that

deviate more than 3/8 inch from the level of the adjacent pavement as unacceptable work. Perform corrective work as described below. After the Contractor performs corrective work, the Engineer will retest the area.

When Item 401.0010.\_\_\_\_ Pavement Smoothness Price Adjustment appears in the Bid Schedule:

- Pavement smoothness will be evaluated for price adjustment according to Subsection 401-4.03.3.
- The Engineer will use an inertial profiler to measure the top lift HMA surface in the driving lanes for surface smoothness within 21 days after paving is complete and driving lanes are delineated.

Profiler measurements will be taken on through lanes identified in the contract. Profiler measurements will not be taken in turn lanes, intersections, ramps, lane transitions, or within 25 feet of bridge abutments and transverse joints with pre-existing pavement.

The Engineer will measure the pavement smoothness in both wheel paths of each lane. The smoothness will be measured as International Roughness Index (IRI), reported as inches/mile, at 0.1 mile increments. Pavement smoothness is the average of all IRI measurements for the project.

The Engineer will identify areas requiring corrective work in accordance with Table 401-4. Perform full lane-width corrective work in those areas. The Engineer may waive corrective work for localized roughness for deficiencies resulting from manholes or other similar appurtenances near the wheel path.

Perform corrective work according to one of the following or by a method approved by the Engineer:

1. Diamond Grinding. If the required pavement thickness is not decreased by more than 0.25", grind to the required surface tolerance and cross section. Remove and dispose of all materials resulting from the grinding process. Apply joint sealant and sand to exposed aggregates per the manufacturer's recommendations.
2. Overlaying. Mill or sawcut the existing pavement to provide a vertical transverse joint face to match the overlay to the existing pavement. Apply tack coat on the milled surface and joint adhesive to all vertical joints and overlay the full width of the underlying pavement surface. Use the same approved HMA for overlays. Place a minimum overlay thickness of 2.0 inches.
3. Mill and Fill. Mill the existing pavement to provide a vertical transverse joint face. Apply tack coat to the milled surface and joint adhesive to all vertical joints prior to inlay new HMA to match the existing pavement. Use the same approved HMA. Place a minimum thickness of 2.0 inches.

After completion of corrective work, the Engineer will measure the pavement surface with an inertial profiler for a smoothness price adjustment.

**401-3.19 REPAIRING DEFECTIVE AREAS.** Remove HMA that (determined visually or by testing) is contaminated with foreign material, segregated, flushing, or bleeding. Remove and dispose defective HMA for the full thickness of the course. Cut the pavement so that edges are vertical and the sides are parallel to the direction of traffic. Prepare joints as described in Subsection 401-3.17. Place and compact fresh HMA so that compaction, grade and smoothness requirements are met.

**401-3.20 ROADWAY MAINTENANCE.** Inspect daily according to pavement inspection plan. Daily remove and dispose of project materials incorrectly deposited on existing and new pavement surfaces(s) inside and outside the project area including haul routes.

The Contractor is responsible for damage caused by not removing these materials and any damage to the roadway from the removal method(s).

Repair damage to the existing roadway that results from fugitive materials or their removal.

**401-4.01 METHOD OF MEASUREMENT.** Section 109 and the following:

1. Hot Mix Asphalt.

- a. By weight. No deduction will be made for the weight of asphalt binder or anti stripping additive or cutting back joints. If the use of WMA is approved by the Engineer, WMA additives will not be measured separately and are considered subsidiary to the HMA pay item.
- b. By the final HMA surface area. No deduction will be made for small appurtenances surrounded by HMA, such as manhole covers and valve boxes.

2. Asphalt Binder. By weight, as follows:

Method 1 will be used for determining asphalt binder quantity unless otherwise directed in writing. Method 1 will be used when the HMA includes RAP. The procedure initially used will be the one used for the duration of the project. No measurement will be made for any asphalt binder more than 0.4% above the optimum asphalt binder content specified in the JMD.

Method 1: Percent of asphalt binder for each subplot multiplied by the total HMA weight represented by that subplot. The Engineer will use either ATM 405 or ATM 406 to determine the percent of asphalt binder. The same test method used for the acceptance testing of the subplot will be used for computation of the asphalt binder quantity. In the absence of testing, the percent of asphalt binder will be the target value for asphalt binder in the JMD. If retesting of a sample for asphalt binder content is performed, the retest result will be used for calculating the asphalt binder quantity.

Method 2: Supplier's invoices minus waste, diversion and remnant. This procedure is an Engineer's option for projects where deliveries are made in tankers and the asphalt plant is producing HMA for one project only.

The Engineer may direct, at any time that tankers are weighed in the Engineer's presence before and after unloading. If the weight determined at the project varies more than 1% from the invoice amount, payment is based on the weight determined at the project.

Any remnant or diversion will be calculated based on tank stickings or weighing the remaining asphalt binder. The Engineer will determine the method. The weight of asphalt binder in disposed HMA will be calculated using the target value for asphalt binder as specified in the JMD.

3. Job Mix Design. When specified, a Contractor furnished JMD will be measured as one for each HMA class and type. Additional JMDs will not be measured for payment.
4. Temporary Pavement. By weight, without deduction for the weight of asphalt binder or anti-strip additive.
5. Leveling Course. By nominal width times linear foot placed or by weighing without deduction for the weight of asphalt binder or anti-strip additive.
6. HMA Price Adjustment. Calculated by quality level analysis under Subsection 401-4.03.1.
7. Longitudinal Joint Density Price Adjustment. By the linear foot of longitudinal joint under Subsection 401-4.03.2.
8. Joint Adhesive. By the linear foot of longitudinal and transverse joint.
9. Pavement Smoothness Price Adjustment. Calculated from inertial profiler data using FHWA's ProVAL software under Subsection 401-4.03.3.

10. Asphalt Material Price Adjustment. Determined under Subsection 401-4.04.
11. Liquid Anti-Strip Additive. Based on the number of tons of asphalt binder containing required additive.
12. Crack Repair. From end to end of the crack repaired according to 401-3.10, measured horizontally along the centerline of the crack. Cleaning loose material from cracks, asphalt binder, and HMA to fill cracks will not be measured separately but are subsidiary to crack repair.
13. Prelevel for Ruts, Delaminations, and Depressions. By the surface area where prelevel is placed according to 401-3.10(1), measured according to Section 109. Asphalt binder, HMA, and cleaning loose material, will not be measured separately but are subsidiary to prelevel.
14. Repair Unstable Pavement. By the surface area of pavement repaired according to 401-3.10(2), measured according to Section 109. Asphalt binder, HMA, and removal of pavement and base course will not be measured separately but are subsidiary to repair of unstable pavement.

**401-4.02 ACCEPTANCE SAMPLING AND TESTING.** The bid quantity of each type of HMA produced and placed will be divided into lots and the lots evaluated individually for acceptance.

A lot will normally be 5,000 tons. The lot will be divided into sublots of 500 tons, each randomly sampled and tested for asphalt binder content, density, and gradation according to this Subsection. The lot will be evaluated for price adjustment according to Subsection 401-4.03.1. Seasonal startup or a new JMD requires starting a new lot.

If less than 8 sublots have been placed at the time a lot is terminated, the material in the shortened lot will be included as part of the prior lot. The price adjustment computed for the prior lot will include the samples from the shortened lot. Density test results from material in the shortened lot will be based on the MSG of the shortened lot. Density test results from material in the shortened lot will be based on the MSG of the shortened lot. If there is no prior lot, and there are at least 3 sublots, the material in the shortened lot will be considered as a lot and the price adjustment will be based on the actual number of test results in the shortened lot. If there are less than 3 sublots, the HMA will be accepted for payment based on the Engineer's approval of the JMD, and placement and compaction of the HMA to the specified depth, finished surface requirements and tolerances. The Engineer reserves the right to perform any testing required in order to determine acceptance.

If 8 or 9 sublots have been placed at the time a lot is terminated, they will be considered as a lot and the price adjustment will be based on the actual number of test results in the shortened lot.

If the bid quantity is between 1,500 to 4,999 tons, the quantity will be considered one lot. The lot will be divided into sublots of 500 tons, each randomly sampled and tested for asphalt binder content, density, and gradation according to this Subsection. The lot will be evaluated for price adjustment according to Subsection 401-4.03.1.

For bid quantity less than 1,500 tons, HMA will be accepted for payment based on the Engineer's approval of the JMD, and placement and compaction of the HMA to the specified depth, finished surface requirements and tolerances. The Engineer reserves the right to perform any testing required in order to determine acceptance.

Samples to be used for the purposes of material acceptance, assurance, or re-testing shall be sampled by the Contractor or the Contractor's designee. The Engineer's authorized representative shall be present and will observe the sampling process. Samples collected without direct observation or witnessing by the Engineer will not be allowed for purposes of determining acceptance, assurance, or for any re-testing. Sample in accordance with ATM 301, ATM 402, and ATM 413. Separate samples of mixture into quarters for distribution as follows: one quarter to the Contractor; one quarter held in reserve by the Engineer for re-testing if needed; and combine the remaining two quarters and then split them for Acceptance and

Assurance testing. The separation of field sample and additional reduction for testing shall be done in accordance with ATM 404, with the exception that the Quarter-Master mechanical splitter may only be used for initial separation of the field sample.

The Engineer will approve the method and designate the location of material to be sampled. Random sampling numbers and locations will be furnished by the Engineer, in accordance with SP 4, the Standard Practice for Random Sampling. The location of the sample will be provided to the Contractor just prior to the required time of sampling. The Contractor will be notified of the sample location as soon as the Engineer is able to verify the asphalt concrete to be tested has been produced.

The Contractor shall sample at the determined random sample tonnage. In the event the Contractor's designee is not prepared to take the sample at the proper time, the paving operation will stop; the truck with the sample will not unload until the designee is present and ready to take the sample. All costs and repercussion associated with the stopping of the paving operation shall be the responsibility of the Contractor.

The Contractor shall furnish, maintain, and clean all equipment required in obtaining the samples. This equipment must be acceptable to the Engineer, and be in compliance with ATM 301 and ATM 402, or a method approved by the Engineer. The contractor's sampling designee shall be either NICET Level II or WAQTC qualified in the appropriate field. In lieu of NICET or WAQTC qualifications, the Engineer may approve a designee that is experienced in hot mix asphalt sampling for QA programs and can demonstrate to the Engineer that he/she is proficient in the specified sampling procedures.

Sampling and testing include the following:

1. Asphalt Binder Content. Take HMA samples randomly in the presence of the Engineer from behind the paver screed before initial compaction or from the windrow, according to ATM 402 or ATM 403, at the discretion of the Engineer. The location (behind the paver screed or windrow) will be determined at the pre-paving meeting. Random sampling locations will be determined by the Engineer.

Asphalt binder content will be determined according to ATM 405 or ATM 406, at the discretion of the Engineer.

Samples are not taken in driveways, tapers, and other areas not placed and compacted in the same manner as the through lanes.

2. Aggregate Gradation. Aggregates tested for gradation acceptance will have the full tolerances from Table 401-2 applied. Samples are not taken in driveways, tapers, and other areas not placed and compacted in the same manner as the through lanes.
  - a. Drum Mix Plants. Samples will be taken from the combined aggregate cold feed conveyor via a diverter device, from the stopped conveyor belt or from the same location as samples for determination of asphalt binder content, at the discretion of the Engineer. The aggregate gradation for samples from the conveyor system will be determined according to ATM 304. For HMA samples, the gradation will be determined according to ATM 408 from the aggregate remaining after the ignition oven (ATM 406) has burned off the asphalt binder. Locate diverter devices for obtaining aggregate samples from drum mix plants on the conveyor system delivering combined aggregates into the drum. Divert aggregate from the full width of the conveyor system and maintain the diverter device to provide a representative sample of aggregate incorporated into the HMA.
  - b. Batch Plants. Samples will be taken from dry batched aggregates according to ATM 301 or from the same location as samples for determination of asphalt binder content, at the discretion of the Engineer. The aggregate gradation for dry batch samples will be determined according to ATM 304. For HMA samples, the gradation will be determined according to ATM 408 from the aggregate remaining after the ignition oven (ATM 406) has burned off the asphalt binder.

3. Density. Take core samples at the locations determined and marked by the Engineer.
  - a. Mat Cores: The location(s) for taking core samples will be determined using a set of random numbers (independent of asphalt binder and aggregate sampling set of random numbers) and the Engineer's judgment. Take no mat cores within 1 foot of a joint or edge. Core samples are not taken on bridge decks, driveways, tapers, and other areas not placed and compacted in the same manner as the driving lanes.
  - b. Longitudinal Joint Cores: The Engineer will mark the location(s) to take the core sample, centered on the visible surface joint, and adjacent to the mat core sample taken in the panel completing the joint. Longitudinal joint cores will only be taken in the top layer.

Take core samples according to ATM 413 in the presence of the Engineer. Cut full depth core samples, centered on the marks and as noted above, from the finished HMA within 24 hours after final rolling. Neatly core drill one six inch diameter sample at each marked location. Use a core extractor to remove the core - do not damage the core. The Engineer will immediately take possession of the samples. Backfill and compact voids left by coring according to ATM 413. The Engineer will determine density of samples according to ATM 410.

4. Retest. A retest of any sample outside the specified limits may be requested provided the quality control requirements of Subsection 106-1.03 are met. Deliver this request in writing to the Engineer within 7 days of receipt of the test for the subplot. The test method(s) used for acceptance of the original sample will be the test method(s) used for retesting. The Engineer will mark the sample location for the density retest by adding 2.0 foot longitudinally to the site of the original core using the same transverse offset. Cut and backfill the core within 24 hours of the Engineer marking the retest location. The original test results will be discarded and the retest result will be used in the price adjustment calculation regardless of whether the retest result gives a higher or lower pay factor. Only one retest per sample is allowed. When gradation and asphalt binder content are determined from the same sample, a request for a retest of either gradation or asphalt binder content results in a retest of both. Except for the first lot: when gradation and asphalt binder content are determined from the same sample, retesting for gradation and asphalt binder content from the first subplot of a lot will include retesting for the MSG; when separate samples are used to determine gradation and asphalt binder content, retesting for asphalt binder content will include retesting for the MSG. Retesting will be performed by a Department laboratory.
5. Asphalt Binder Quality. The lot size for asphalt binder will normally be 200 tons. If a project has more than one lot and the remaining asphalt binder quantity is less than 85 tons, it will be added to the previous lot and that total quantity will be evaluated as one lot. If the remaining asphalt binder quantity is 85 tons or greater, it will be sampled, tested and evaluated as a separate lot.

If the bid quantity of asphalt binder is between 85 – 200 tons, the contract quantity is considered as one lot and sampled, tested, and evaluated according to this subsection. Quantities of asphalt binder less than 85 tons will be accepted based on manufacturer's certified test reports and certification of compliance.

Sample asphalt binder at the plant from the supply line in the presence of the Engineer according to ATM 401. The Engineer will take immediate possession of the samples. Take three samples from each lot; one for acceptance testing, one for Contractor requested retesting, and one held in reserve for referee testing if requested.

6. Asphalt Binder Grade Retest. Retest of acceptance test results may be requested provided the quality control requirements of Subsection 106-1.03 are met. Deliver the request in writing to the Engineer within 3 days of receipt of notice of failing test. The original test results are discarded and the retest result will be used for acceptance. Only one retest per sample is allowed.



If the contractor challenges the result of the retest, the referee sample held by the Engineer will be sent to a mutually agreed upon independent AASHTO accredited laboratory for testing. The original acceptance test result, the retest acceptance test result, and the referee sample test result will be evaluated according to ASTM D3244 to obtain an Assigned Test Value (ATV). The ATV will be used to determine if the asphalt binder conforms to the contract. Reimburse the Department for the referee sample test if the ATV confirms the asphalt binder does not meet contract requirements.

**401-4.03 EVALUATION OF MATERIALS FOR ACCEPTANCE.** The Engineer may reject material which appears to be defective based on visual inspection. If a test of rejected material is requested, a minimum of two samples are collected from the rejected material and tested. If all test results are within specification limits, payment for the material will be made.

The following methods are applied to each type of HMA when Price Adjustment Pay Items are included in the Bid Schedule. These methods describe how price adjustments are determined based on the quality of the HMA, longitudinal joint density and pavement smoothness.

1. HMA Price Adjustment. Acceptance test results for HMA asphalt binder content, gradation and mat density are used in HMA price adjustment. These test results for a lot are analyzed collectively and statistically by the Quality Level Analysis (QLA) method as specified in Subsection 106-1.03.3 to determine the total estimated percentage of the lot that is within specification limits. The values for percent passing the #200 sieve, asphalt binder content and density test results are reported to the nearest 0.1 percent. All other sieves used in QLA are reported to the nearest whole number.

The HMA price adjustment is based on the lower of two pay factors. The first factor is a composite pay factor (CPF) for HMA that includes gradation and asphalt binder content. The second is the density pay factor (DPF).

A lot containing material with less than a 1.000 pay factor will be accepted at an adjusted price, provided that pay factor is at least 0.800 and there are no isolated defects identified by the Engineer. A lot containing material that fails to obtain the minimum pay factor will be considered unacceptable and rejected under Subsection 105-1.11.

HMA pay factors are computed as follows:

- a. All statistical Quality Level Analysis (QLA) will be computed using the Engineer's Price Adjustment programs.
- b. The USL and LSL are equal to the Target Value (TV) plus and minus the allowable tolerances in Table 401-2, or as shown below. The TV is the specification value shown in the approved Job Mix Design. When applying tolerances for gradation, the specification limits will not exceed 100% for the Upper Specification Limit (USL) nor 0% for the Lower Specification Limit (LSL). Tolerances for the largest sieve specified will be plus 0 and minus 1 for quality level analysis purposes.

**TABLE 401-2  
HMA LOWER SPECIFICATION LIMIT (LSL) & UPPER SPECIFICATION LIMIT (USL)**

Measured Characteristics	LSL	USL
1 inch sieve	99	100
3/4 inch sieve	TV-6	TV+6
1/2 inch sieve	TV-6	TV+6
3/8 inch sieve	TV-6	TV+6
No. 4 sieve	TV-6	TV+6
No. 8 sieve	TV-6	TV+6
No. 16 sieve	TV-5	TV+5
No. 30 sieve	TV-4	TV+4
No. 50 sieve	TV-4	TV+4

No. 100 sieve	TV-3	TV+3
No. 200 sieve	TV-2.0	TV+2.0
Asphalt Binder Content, %	TV-0.4	TV+0.4
Mat Density, %	92.0	100.0

- c. The percent within limits (PWL), Quality Levels and characteristic pay factors (PFs) are determined by the Engineer for each Lot in accordance with Subsection 106-1.03.3. The Composite Pay Factor (CPF) for the lot will be determined from gradation and asphalt binder content (ac) acceptance test results using the following example formula:

$$\text{CPF} = \frac{[f_{3/4 \text{ inch}} (\text{PF}_{3/4 \text{ inch}}) + f_{1/2 \text{ inch}} (\text{PF}_{1/2 \text{ inch}}) + \dots + f_{ac} (\text{PF}_{ac})]}{\Sigma f}$$

Table 401-3 gives the weight factor (f) for each test property considered.

**TABLE 401-3  
WEIGHT FACTORS**

Property	Type I Factor “f”	Type II Factor “f”	Type III Factor “f”
1 inch sieve	4	-	-
¾ inch sieve	4	4	-
½ inch sieve	4	5	4
3/8 inch sieve	4	5	5
No. 4 sieve	4	4	5
No. 8 sieve	4	4	5
No. 16 sieve	4	4	5
No. 30 sieve	4	5	6
No. 50 sieve	4	5	6
No. 100 sieve	4	4	4
No. 200 sieve	20	20	20
Asphalt Content, %	40	40	40

The Density Pay Factor (DPF) will be computed using HMA mat core compaction acceptance test results.

The CPF and DPF are rounded to the nearest 0.001. The price adjustment for each individual lot will be calculated as follows:

$$\text{HMA Price Adjustment} = [(\text{CPF or DPF})^* - 1.000] \times (\text{tons in lot}) \times (\text{PAB})$$

\* CPF or DPF, whichever is lower

$$\text{PAB} = \text{Price Adjustment Base} = [(\text{Contract Unit Price for } 401.0001.\_) + (n/100) \times (\text{Contract Unit Price for } 401.0004.\_)]$$

Where n = Optimum asphalt binder content percent, established by the JMD.

The tons in lot for HMA Price Adjustment does not include HMA placed in driveways, tapers, and other areas not placed and compacted in the same manner as the driving lanes. If separate scale tickets were not available for these areas, the Engineer will

calculate the excluded tonnage by multiplying the surface area placed, the planned depth, and 94% of the maximum unit mass from the JMD.

The HMA Price Adjustment is the sum of the price adjustments for each lot and paid for under Item 401.0008.\_\_\_\_.

2. Longitudinal Joint Density Price Adjustment. If Item 401.0009.0000 appears in the bid schedule, a longitudinal joint density price adjustment for the top layer will apply and will be based on the project average of all joint densities and determined as follows:
  - a. If project average joint density is less than 91.0% MSG, apply the following disincentive: Longitudinal joint density price adjustment equal to \$3.00 per linear foot (not including hot lapped joint length) will be deducted.
  - b. If project average joint density is 91.0% to 92.0% MSG, \$6,000 per joint core with a density less than 91.0% MSG will be deducted.
  - c. If project average joint density is greater than 92.0% MSG, apply the following:
    - (1) Longitudinal joint density price adjustment equal to \$1.50 per linear foot (including hot lapped joint length) will be added.
    - (2) \$6,000 per joint core with a density less than 91.0% MSG will be deducted.
  - d. If all project joints are hot lapped joints, a longitudinal joint density price adjustment equal to \$1.50 per linear foot will be added.
  - e. If only 1 or 2 joint density samples are obtained, a longitudinal joint density price adjustment equal to \$1.50 per linear foot of hot lapped joints will be added. No other longitudinal joint density price adjustment will be made.

The Longitudinal Joint Density Price Adjustment is the total price adjustment paid for under Item 401.0009.0000. Driveway joints will not be included in the length of longitudinal joint. If unacceptable joints are removed and replaced, only the cores representing the replaced material will be included in the longitudinal joint density price adjustment calculations.

3. Pavement Smoothness Price Adjustment. If Item 401.0010.\_\_\_\_ appears in the bid schedule, pavement smoothness will be measured by the Engineer and reported as IRI (inches/mile), according to Subsection 401-3.18. Incentive for pavement smoothness shall apply only if both the project average CPF and DPF are greater than or equal to 1.000. Disincentive for pavement smoothness shall apply regardless of the project average CPF or DPF.

The Engineer will calculate the smoothness price adjustment (SPA) according to Method 1 or Method 2 below, as identified in the bid schedule.

Method 1:  $SPA = PAB \times PQ \times SA$ , where

PAB = Price Adjustment Base =  
[(Contract Unit Price for 401.0001.\_\_\_\_) + (n/100) x (Contract Unit Price for 401.0004.\_\_\_\_)], where

n = optimum asphalt binder content, percent, established by the JMD

PQ = Top layer HMA quantity, tons

SA = Smoothness Adjustment (Table 401-4) (Rounded to 0.001)

**TABLE 401-4**

**SMOOTHNESS ADJUSTMENT (SA)**

IRI (in./mile)	SA
Less than 40	0.050
40 to 70	$0.050 - (IRI - 40)/600$
70 to 90	0.000
90 to 120	$(90 - IRI)/120$
Greater than 120*	-

\* Corrective Work required, see Subsection 401-3.18

Method 2:  $SPA = PAB \times PQ \times SA$ , where

PAB = Price Adjustment Base =  
 $[(\text{Contract Unit Price for 401.0001.} \_\_ + (n/100) \times (\text{Contract Unit Price for 401.0004.} \_\_)]$ , where

n = optimum asphalt binder content, percent, established by the JMD

PQ = Top layer HMA quantity, tons

SA = Smoothness Adjustment =  $0.120 \times RR - 0.020$ ; SA not to exceed 0.050

RR = Roughness Reduction =  $(\text{Initial IRI} - \text{Final IRI}) / \text{Initial IRI}$

Initial IRI = Pre-project average IRI as measured and reported by the Engineer. The Initial IRI will either be included in the bid documents or the timeline for when the Initial IRI will be measured will be identified in the bid documents.

Final IRI = Top layer HMA average IRI as measured and reported by the Engineer according to Subsection 401-3.18.

The Pavement Smoothness Price Adjustment is the total price adjustment paid for under Item 401.0010. \\_\\_.

**401-4.04 ASPHALT MATERIAL PRICE ADJUSTMENT.**

Asphalt Material Price Adjustment. If Item 401.0015.0000 appears in the bid schedule, this subsection provides a price adjustment for asphalt material by: (1) additional compensation to the Contractor or (2) a deduction from the contract amount.

1. This provision shall apply:
  - a. To asphalt material meeting the criteria of Section 702, and is included in items listed in the bid schedule of Sections 306, 307, 308, 401 thru 408, 520, 608 and 609.
  - b. To cost changes in asphalt material that occur between the date of bid opening and the date on the certified bill of lading from the asphalt material refiner/producer.
  - c. When there is more than a 7.5% increase or decrease in the Alaska Asphalt Material Price Index, AAMPI, from the date of bid opening to the date on the certified bill of lading from the asphalt refiner/producer.
2. Provide the certified bill of lading from the asphalt material refiner/producer.

3. The AAMPI is calculated bimonthly on the first and third Friday of each month, and will remain in effect from the day of calculation until the next bimonthly calculation. The AAMPI is posted on the Department's Statewide Materials website at and calculated according to the formula posted there. [http://www.dot.state.ak.us/stwddes/desmaterials/aprice\\_index.shtml](http://www.dot.state.ak.us/stwddes/desmaterials/aprice_index.shtml)

4. Price adjustment will be cumulative and calculated with each progress payment. Use the AAMPI in effect on the date of the certified bill of lading from the asphalt material refiner/producer, to calculate the price adjustment for asphalt material. The Engineer will increase or decrease payment under this contract by the amount determined with the following asphalt material price adjustment formula:

For an increase exceeding 7.5%, additional compensation =  $[(IBL - IB) - (0.075 \times IB)] \times Q$

For a decrease exceeding 7.5%, deduction from contract =  $[(IB - IBL) - (0.075 \times IB)] \times Q$

Where:

Q = Quantity of Asphalt Material incorporated into project during the pay period, in tons as measured by the Engineer

IB = The bimonthly AAMPI in effect as of date on the date of bid, in dollars per ton

IBL = The bimonthly AAMPI in effect as of the date on the certified bill of lading from the asphalt material refiner/producer, in dollars per ton

5. Method of measurement for determining Q (quantity) is the weight of asphalt binder material that meets the criteria of this subsection and is incorporated into the project. The quantity does not include aggregate, mineral filler, blotter material, thinning agents added after material qualification, or water for emulsified asphalt. The quantity for emulsified asphalts will be based on the asphalt residue material only and will be calculated using the percent residue from testing, or if not tested, from the manufacturer's certificate of compliance. If asphalt binder quantity and tonnage not tracked, the target values from the JMD will be used to determine Q.

#### **401-4.05 EVALUATION FOR THERMAL SEGREGATION AND LOW DENSITY.**

The cores taken for the evaluation of low density under Subsection 401-3.16 will be tested for density in accordance with ATM 410. At the Engineer's discretion, any area determined to have a density of 89.0% or less of the reference maximum density may be required to be repaired in accordance with Subsection 401-3.19. Additionally, if four or more cores in any one pay lot are determined to have a density of 89.0% or less of the reference maximum density, the contractor will be assessed a penalty of 5% of the value of the pay lot, determined as follows:

Penalty =  $0.05 \times [(Tons\ of\ mix\ in\ lot) \times (PAB\ from\ Subsection\ 401-4.03.1.c)]$

The penalty will be included in the amount for Item 401.0008.\_\_\_\_.

#### **401-5.01 BASIS OF PAYMENT.**

Asphalt binder, liquid anti-strip additives, joint adhesive, joint sealer, and tack coat are subsidiary unless listed in the bid schedule as Pay Items. Asphalt binder and liquid anti-strip are always subsidiary to HMA for Items 401.0002.\_\_\_\_, 401.0003.\_\_\_\_, 401.0005.\_\_\_\_, 401.0011.\_\_\_\_, and 401.0012.\_\_\_\_.

Item 401.0008.\_\_\_\_ HMA price adjustment is the sum of the price adjustments for each material lot and for deductions and fees assessed. Deductions and fees assessed include:

- The initial Department JMD evaluation for each type and class of HMA will be provided at no cost to the Contractor. All subsequent evaluations required to obtain an approved JMD will be assessed a fee of \$7,900 per evaluation. Failed retest will result in a fee of \$2,500.
- Failure to cut core samples within 24 hours will result in a deduction of \$100 per sample per day.
- Failure to backfill voids left by sampling within 24 hours will result in a deduction of \$100 per hole per day.
- If an asphalt binder referee test is requested and the ATV confirms the asphalt binder does not meet contract requirements, a fee of \$625 will be assessed.

Item 401.0008. \_\_ HMA price adjustment does not apply to:

- HMA, when contract quantity is less than 1500 tons
- HMA placed in driveways, tapers, and other areas not placed and compacted in the same manner as the driving lanes.
- HMA for leveling course 401.0002. \_\_ and 401.0003. \_\_.
- Temporary HMA 401.0005. \_\_
- Driveway HMA 401.0011. \_\_ and 401.0012. \_\_

Perform corrective work and repair defective areas at no additional cost to the Department.

If a joint heater is used it will be paid under joint adhesive. If joint adhesive is subsidiary to HMA, the joint heater is also subsidiary to HMA.

Payment will be made under:

Pay Item	Pay Unit
401.0001. __ HMA, Type __ ; Class __	Ton
401.0002. __ HMA, Leveling Course, Type __, Class __	Square Yard
401.0003. __ HMA, Leveling Course, Type __, Class __	Ton
401.0004. __ Asphalt Binder, Grade __	Ton
401.0005. __ HMA, Temporary, Type __ ; Class __	Ton
401.0006. __ HMA, Type __ ; Class __	Square Yard
401.0007.0000 Liquid Anti-Strip Additive	Contingent Sum
401.0008. __ HMA Price Adjustment, Type __ ; Class __	Contingent Sum
401.0009.0000 Longitudinal Joint Density Price Adjustment	Contingent Sum
401.0010. __ Pavement Smoothness Price Adjustment, Method __	Contingent Sum
401.0011. __ HMA, Driveway, Type __ ; Class __	Lump Sum
401.0012. __ HMA, Driveway, Type __ ; Class __	Ton
401.0013.0000 Job Mix Design	Each
401.0014.0000 Joint Adhesive	Linear Foot
401.0015.0000 Asphalt Material Price Adjustment	Contingent Sum
401.0016.0000 Crack Repair	Linear Foot
401.0017.0000 Prelevel for Ruts, Delaminations, and Depressions	Square Yard
401.0018.0000 Repair Unstable Pavement	Square Yard

**SRM-9 02/26/2020**

**401-3.05 ASPHALT MIXING PLANT.** Replace the second sentence with the following: Use an HMA plant capable of producing at least 150 tons of HMA per hour noted on posted Alaska Department of Environmental Conservation (ADEC) air quality permit, designed to dry aggregates, maintain consistent and accurate temperature control, and accurately proportion asphalt binder and aggregates.

**401-3.09 MATERIAL TRANSFER DEVICE / MATERIAL TRANSFER VEHICLE.** Replace this subsection with the following: **401-3.09 RESERVED.**

## SECTION 402

### TACK COAT

#### SR STANDARD MODIFICATION

##### **402-2.01 MATERIALS.** *Add the following:*

CSS-1 or CSS-1h may be substituted for STE-1, if it is applied without dilution and conforms to the requirements of Section 702 at the point of application.

Tack Coat may be conditionally accepted at the source when a Manufacturer's Certificate of Compliance is provided in accordance with Section 106, with test results demonstrating that applicable quality requirements of Section 702 have been met. The Engineer will determine final acceptance from test results obtained by sampling at the point of application in accordance with ATM 401.

**SRM-10 02/26/2020**

#### STANDARD MODIFICATION

**402-3.02 EQUIPMENT.** *Delete this subsection in its entirety and substitute the following:* Furnish, maintain, and operate asphalt distributor to apply asphalt material uniformly at even heat on variable widths of surface up to 15 feet at readily determined and controlled flow rates. Provide an asphalt distributor capable of application rates from 0.01 to 0.11 gallon per square yard. Equip with a heater, tachometer, flow rate gauge, operable mechanical tank gauge, thermometer for measuring temperatures of tank contents, power unit for the pump and full circulation spray bars adjustable laterally and vertically.

##### **402-3.04 APPLICATION OF ASPHALT MATERIAL.**

*Add the following at the end of the first paragraph:*

Control deviation from any specified application rate to within 0.02 gallon per square yard.

*Add the following after the second paragraph this subsection:*

After application of the tack coat, the surface shall be allowed to cure without being disturbed for the period of time necessary to permit drying and setting of the tack coat. If necessary, the Engineer will determine when the tack has cured.

**HSM20-6 11/30/2020**



**SECTION 501**

**CONCRETE FOR STRUCTURES**

**501-2.02 COMPOSITION OF MIXTURE – JOB MIX DESIGN**

*Replace Table 501-4 Air Content Requirements with the following:*

**TABLE 501-4  
AIR CONTENT REQUIREMENTS**

Class of Concrete	Air Content
A	6.0% ±0.5%
A-A	6.0% ±0.5%
P	3.50% minimum <sup>1</sup> and Super Air Meter (SAM) number ≤0.20 <sup>1</sup>
DS	Not required

<sup>1</sup>Not required for web and bottom flange of precast, prestressed decked bulb-tee girders.

**501-3.05 PLACING CONCRETE.** *Delete the 6<sup>th</sup> paragraph.*

*Replace item 6. Drilled Shaft Foundations with the following:*

6. **Rock Sockets.** Place concrete either using the wet-shaft process or dry-shaft process as applicable. Place the concrete for each rock socket in a single operation.

The dry-shaft process may be used where the ground water level and soil and rock conditions are suitable to permit construction of the rock socket in a relatively dry excavation, and where the sides and bottom of the socket can be visually inspected by the Engineer prior to placing the concrete. Relatively dry excavation conditions exist when excavation fluids have been removed from the rock socket and the rate of water intrusion is less than 6 inches of water accumulating above the base in a 1-hour period without pumping or other methods to drain or remove water. Suitable soil and rock conditions exist when the sides and bottom of the hole remain stable without caving, sloughing, or swelling between completion of excavation and concrete placement; and loose material and water can be satisfactorily removed prior to inspection and concrete placement. Do not begin concrete placement if there is more than 1 inch of water in the bottom of the rock socket excavation. Use wet-shaft process if the requirements for dry-shaft process cannot be satisfied.

Provide process control testing during concrete placement. Test slump and air content before placing each batch of concrete in the rock sockets. Perform sampling and testing according to Subsection 501-3.03.2 using a WAQTC qualified concrete testing technician or ACI certified concrete field testing technician. Test every batch of concrete before placement. Record the time when each sample is collected. Submit test results in writing to the Engineer immediately after completing each test.

a. **Wet-Shaft Process.** Place concrete using a tremie or concrete pump. Place concrete continuously until concrete is evident at a height above the top of the rock socket equal to the same depth of the rock socket.

Do not allow water, fluids, drilling aids, or concrete from the top of the shaft to enter streams or other waterways.

Construct the discharge end of the tremie or pump line to prevent water intrusion and permit the free flow of concrete during concrete placement. Use caps, bottom plates, pigs, or other such devices inserted into or attached to discharge pipe to separate the concrete from the excavation fluid during initial charging of the discharge pipe. Ensure the discharge pipe has sufficient length and weight to rest on the shaft base before starting concrete placement.

When using a tremie, provide adequate support so the tremie can be raised to increase the discharge of concrete and lowered to reduce the discharge of concrete. Do not shake, vibrate, or rapidly raise or lower the tremie to increase the discharge of the concrete. Maintain a positive head of concrete inside the tremie or pump line relative to the excavation fluid level. Position the discharge orifice within one foot of the rock socket base. Do not re-position the discharge pipe until concrete is evident at a height above the top of the rock socket equal to the same depth of the rock socket.

If the discharge orifice rises above the concrete surface before concrete placement is complete, the rock socket will be considered defective. Immediately terminate concrete placement operations and notify the Engineer.

- b. Dry-Shaft Process. Place concrete continuously until concrete is evident at top of the rock socket joint. Concrete may be permitted to free-fall into place if the concrete does not contact the sides of the shaft, reinforcing steel, or other objects while free falling.

## SECTION 502

### PRESTRESSING CONCRETE

**502-3.03 CAMBER.** *Replace the second paragraph with the following:*

Form girders so the roadway surface conforms to the indicated grade line with an allowance for ½ inch of positive camber at midspan. Form girders to adjust for the predicted long-term camber from loss of prestress and from dead load deflection. When estimating this adjustment, use the uniform weights shown on the Plans with the additional dead load applied at 180 days after girder fabrication and 90 days after girder erection.

**SECTION 503**

**REINFORCING STEEL**

**503-3.02 PROTECTION OF MATERIALS.** Replace the 2<sup>nd</sup> sentence of the 1<sup>st</sup> paragraph with the following: Before placing reinforcing steel in the work, ensure that the reinforcing steel is free of salt, rust, and foreign substances that may affect the performance of the reinforcing steel.

**503-3.05 SPLICING.** Replace “c. Testing/Inspection” under Item 2. Electric Resistance Butt Welded Joints with the following:

c. Testing/Inspection.

Perform job control tests using a testing laboratory with experience with ASTM A370 and California Test Method 670. A job control test consists of the fabrication, under the same conditions used to produce the splice, and the physical testing of 4 sample splices for each lot of splices. An authorized Department representative will designate when samples for job control tests are to be fabricated and will determine the limits of the lot represented by each job control test.

A lot of shop produced resistance welded butt joints is defined as no more than 150 splices of the same type of welds used for each combination of bar size and bar deformation pattern that is used in the work.

The Engineer or the Engineer's authorized representative shall witness the job control tests performed by the testing laboratory. Give the Engineer at least 7 working days' notice before beginning control tests.

Identify sample splices with tamper proof and weatherproof markings prior to shipment to the testing laboratory.

The sample shall consist of a resistance welded butt splice bar and a control bar that are identified and marked as a set. The same reinforcing bar (hoop) may be used to provide the test weld and control bar.

Test each sample to failure in accordance with ASTM A706, ASTM A370 and California Test Method 670. Determine the ultimate tensile strength for all control bars by testing the bars to failure.

The production lot will be rejected if:

- (1) a sample fails within one bar diameter of the splice at less than 95 percent of the ultimate tensile strength of the associated control bar
- (2) necking of the bar prior to rupture, as defined in California Test Method 670, is not observed
- (3) a sample does not meet the mechanical requirements of ASTM A706 Grade 60

Replace “c. Qualifications and Submittals.” and “d. Testing/Inspection.” under Item 4. Mechanical Butt Splices with the following:

- c. Qualifications and Submittals. A splice will be considered qualified if the splice can develop a minimum tensile strength of 80000 psi, based on the nominal bar area, and the bars within the splice do not exceed a total slip shown in Table 503-3, when tested according to the relevant material ASTM, ASTM A370 and California Test Method 670.

**TABLE 503-3  
ALLOWABLE TOTAL SLIP LENGTH**

Reinforcing Bar No.	Total Slip (inch)
---------------------	-------------------

4	0.020
5	0.020
6	0.020
7	0.028
8	0.028
9	0.028
10	0.036
11	0.036
14	0.048
18	0.060

Submit the following information:

- (1) the manufacturer's name;
  - (2) the name of the product or assembly;
  - (3) the lot, heat, or batch number that identifies the splice;
  - (4) the bar grade and size number to be spliced by the material;
  - (5) a complete description of the splice and installation procedure;
  - (6) Tensile Test results including:
    - (a) bar nominal area;
    - (b) ultimate load at failure;
    - (c) ultimate tensile strength;
    - (d) necking results (either visually or through strain values); and,
    - (e) failure mechanism and location.
  - (7) Slip Test results including:
    - (a) initial length measurements;
    - (b) final length measurements; and,
    - (c) calculated slip.
- d. Testing/Inspection. Perform job control tests consisting of the fabrication, under conditions used to produce the splice. For each lot of splices perform 6 slip tests and 6 tensile tests using different sample splices for each test. The Engineer will designate when samples for job control tests are to be fabricated and will determine the limits of the lot represented by each job control test.

A lot of mechanical butt joints is defined as no more than 150 splices of the same type of mechanical butt splice used for each combination of bar size and bar deformation pattern that is used in the work.

Make splice samples using the same splice materials, position, equipment, and following the same procedures as used to make splices in the work. Make splice samples at least 5 feet long with the splice at mid-length. Shorter sample splice bars may be used if approved by the Engineer.

Perform job control tests in the presence of the Engineer. Splices tested in the absence of the Engineer may be rejected. Notify the Engineer, in writing, at least 7 working days prior to performing testing.

Identify sample splices with weatherproof markings prior to shipment to the testing laboratory.

Test each sample according to the relevant material ASTM, ASTM A370 and California Test Method 670. Perform tensile testing until partial or total fracture of the parent bar material, mechanical splice material, or bar-to-splice connection.

The production lot will be rejected if:

- (1) the minimum individual tensile strength of the sampled splices is less than 80000 psi based on the nominal bar area
- (2) the maximum individual slip length of the sampled splices is greater than the limits in Table 503-3

Replace "b. Qualifications" and "c. Testing/Inspection." under Item 5. Mechanical Lap Splices. with the following:

- b. Qualifications. A splice will be considered qualified if the splice can develop a minimum tensile strength of 75000 psi, based on the nominal bar area, when tested according to the relevant material ASTM, ASTM A370 and California Test Method 670.

Submit the following information:

- (1) the manufacturer's name;
- (2) the name of the product or assembly;
- (3) the lot, heat, or batch number that identifies the splice;
- (4) the bar grade and size number to be spliced by the material;
- (5) a complete description of the splice and installation procedure; and,
- (6) test results indicating the splice, used according to the manufacturer's procedures, complies with the minimum tensile strength requirements.

- c. Testing/Inspection. Perform job control tests consisting of the fabrication, under conditions used to produce the splice, and tensile testing of 6 sample splices for each lot of splices. The Engineer will designate when samples for job control tests are to be fabricated and will determine the limits of the lot represented by each job control test.

A lot of mechanical butt joints is defined as no more than 150 splices of the same type of mechanical butt splice used for each combination of bar size and bar deformation pattern that is used in the work.

Make splice samples using the same splice materials, position, equipment, and following the same procedures as used to make splices in the work. Make splice samples at least 5 feet long with the splice at mid-length. Shorter sample splice bars may be used if approved by the Engineer.

Perform job control tests in the presence of the Engineer. Splices tested in the absence of the Engineer may be rejected. Notify the Engineer, in writing, at least 7 working days prior to performing testing.

Identify sample splices with weatherproof markings prior to shipment to the testing laboratory.

Test each sample according to the relevant material ASTM, ASTM A370 and California Test Method 670. Tensile test each sample until partial or total fracture of the parent bar material, mechanical splice material, or bar-to-splice connection.

All splices in the lot represented by a test will be considered to meet the tensile strength requirements when the minimum individual tensile strength of the sampled splices is not less than 75000 psi, based on the nominal bar area.

Replace Section 505 Piling with the following:

## SECTION 505

### PILING

**505-1.01 DESCRIPTION.** Furnish and install piles as shown on the Plans.

**505-1.02 DEFINITIONS.**

**TEMPORARY CASING.** A temporary annular sleeve meant to retain the ground to prevent filling of rock sockets.

**CUT-OFF.** The cut off end of a pile, or cutting a pile end at the finish elevation.

**FRESH HEADING.** Cutting the end of a pile perpendicular to the long axis to remove damage.

**ROCK SOCKET.** A hole created into competent bedrock into which a pile is placed.

**SUBSTRUCTURE UNIT.** A unit of the substructure such as an abutment or pier that transmits loads directly from the superstructure to the ground.

**TEMPLATE.** A structure affixed to the ground used to maintain proper pile alignment during installation.

**505-2.01 MATERIALS.** Use materials that conform to the following:

Structural Steel Piles	Section 715
Structural Concrete	Section 501
Structural Fill	Subsection 703-2.13

**505-2.02 PILES.** Furnish H-pile sections sufficient in length to extend to the bottom of rock socket elevations specified in the Contract documents. Furnish full-length piles. Store and handle piles in a manner that protects them from damage.

Hot-dip galvanize steel piles use in soldier pile walls a minimum thickness of 4 mils from the top to a distance not less than 10 feet below the finished ground line according of Subsection 716-2.07. Steel piles that do not protrude above the final ground line do not require galvanizing.

### CONSTRUCTION REQUIREMENTS

**505-3.01 PILE EQUIPMENT.**

1. Pile Installation Plan. No less than 30 days prior to the anticipated start of pile installation, submit for approval the details of the pile installation system. Include in the pile installation plan:
  - a. List of the type, number and size of all proposed equipment, including cranes, drills, augers, final cleaning equipment, slurry pumps, tremies, concrete pumps, casings, etc. Include manufacturer's recommended capacities for each piece of equipment.
  - b. Details and methods required for construction.
  - c. Details of sequence of construction operations and sequence of rock sockets including dates and anticipated duration of work.
  - d. Details of soil excavation above rock sockets.



- e. Procedure for maintaining correct horizontal and vertical alignment during pile installation, concrete installation and concrete curing.
- f. Details of casing and method of casing advancement or installation.
- g. Details of proposed method to clean rock socket.
- h. Details of concrete placement, including proposed operational procedures for concrete tremie or pump, initial concrete placement procedure, method for raising tremie during concrete placement.
- i. Required submittals, including mill certifications and concrete mix designs.

The Engineer's approval of the pile installation plan will not relieve the contractor of responsibility for:

- j. Removing and replacing piles damaged during installation.
- k. Reaching the bottom of rock socket holes as shown in the Plans.

Do not mobilize pile installation equipment to the site without an approved pile installation plan.

Submit all revisions to the approved pile installation plan to the Engineer for approval. For all pile installation equipment not previously identified in the pile installation plan, include in the submittal all of the information required above for the pile installation plan. Explain to the Engineer, in writing, which portions of the approved pile installation plan will be superseded by the revision and which portions remain unchanged. Allow at least 5 days for the Engineer's approval of pile installation plan revisions.

2. Pile Installation System. Use equipment capable of creating a rock socket to the size and depth shown in the Plans.

Use only equipment included in the approved pile installation plan. The Engineer may inspect the equipment for conformance with the approved pile installation plan after it has been mobilized to the site and prior to beginning operations. Remove and replace equipment the Engineer determines does not conform with the approved pile installation plan, at no extra cost to the Department and with no adjustment to contract time.

### **505-3.02 RESERVED**

**505-3.03 PLACING PILES.** Place all piles at the locations and depths specified in the Contract documents.

1. Placement and Alignment. Ensure proper placement and alignment of the piles. The Engineer with reject piles that are bent or otherwise damaged during installation.

Place piles within an allowed variation as to direction of pile of not more than 1/4 inch per foot. Limit the rotation of steel piles about their longitudinal axis to 5 degrees from the plan position. In addition, position piles to the following tolerances:

- a. Abutments. Position the piles at the bottom of an abutment within 3 inches of the horizontal position specified in the Contract documents. Do not vary the distance between any two piles more than 3 inches from that specified in the Contract documents, and keep the clear distance from the edge of pile to the edge of footing to at least 9 inches.

- b. Soldier Pile Walls. Position the piles at the top of walls within 3 inches of the horizontal position specified in the Contract documents. Do not vary the distance between any two piles more than 3 inches from that specified in the Contract documents.
2. Rock Sockets. Create rock sockets to the size and depth shown on the Plans. Ensure the bottom of the hole is flat to ensure full bearing of the piles. After creating the hole and immediately before pile placement ensure that the bottom of the socket is free of debris, loose material or cuttings.
3. Concrete Placement. Place concrete in rock sockets after piles have been placed to the limits shown in the Plans. Place concrete in accordance with Subsection 501-3.05. Brace the piles from movement until the compressive strength from informational field tests reach 80 percent of the Specified Compressive strength.
4. Cleanup. Backfill the annulus around the piles above the rock sockets with structural fill to the bottom of abutment elevations shown on the Plans. Remove any temporary casings used during pile installation unless allowed by the Engineer. Do not damage the piles during removal or during backfilling operations.

**505-3.04 SPLICES, EXTENSIONS AND BUILD-UPS.** Furnish full length piles. Splices or extensions will not be permitted.

**505-3.05 DEFECTIVE PILES.** Place piles in a manner that does not damage them. Do not manipulate the piles to force them into the proper position. Correct damaged piles by removing and replacing entirely.

**505-3.06 CUTTING OFF PILES.** Cut off piles at the elevations indicated on the Plans. Ensure that all injured material is removed.

When steel piles are shown embedded in pile caps, cut off piles within -1/2 inch to +3 inches of the plan embedment, but do not interfere with reinforcing steel or other items embedded in concrete.

**505-4.01 METHOD OF MEASUREMENT.** Section 109 and as follows:

Furnish Piles. The sum of the lengths of the piles in place in the completed structure, measured from tip of pile to the cut-off elevation

Install Piles. The number of piles placed which are incorporated into the completed structure.

#### **505-5.01 BASIS OF PAYMENT**

Furnish Piles. The contract price includes pile materials delivered to the site. Unused pile lengths removed by cut-offs and fresh heading are subsidiary. The payment amount will be calculated using the quantity of pile indicated on the bid schedule, or the quantity of installed piles, whichever is greater.

Install Piles. The contract price includes:

1. All related work and materials required to create rock sockets and place the piles to the elevations and depths indicated in the Plans, including: pile crew time (including payroll and administrative additives), equipment costs, and other fixed or variable items incurred during pile installation, the construction of temporary work platforms, fresh heading, pile cleanout and cutting off.
2. All required work and materials required to place and cure structural concrete within rock sockets.
3. All required work and materials required to remove temporary casings and place backfill material.

Alternate methods of creating rock sockets when exceptionally difficult or unexpected conditions will be performed at the direction of the Engineer and will be paid in accordance with section 109-1.05.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
505.0005.0001 Furnish Structural Steel H-Piles, HP12x74	Linear Foot
505.0005.0001 Furnish Structural Steel H-Piles, HP14x117	Linear Foot
505.2006.0000 Install Structural Steel H-Piles, HP12x74	Each
505.2006.0000 Install Structural Steel H-Piles, HP14x117	Each

**SECTION 550**

**COMMERCIAL CONCRETE**

**550-2.02 COMPOSITION OF MIXTURE – JOB MIX DESIGN.**

*Replace Table 550-1 with the following:*

**TABLE 550-1  
COMMERCIAL CONCRETE DESIGN REQUIREMENTS**

<b>Class</b>	<b>B-B</b>	<b>B</b>	<b>W</b>
Water-Cement Ratio, lbs/lbs, maximum	0.40	0.45	0.50
Total Air Content, %	5.5 – 6.5	5.5 – 6.5	4.0 – 6.5
Coarse Aggregate Gradation, AASHTO M 43	No. 57 or 67	No. 57 or 67	No. 7, 8, 57, or 67
Compressive Strength, psi, minimum	5,000	4,000	3,000

Alternative sizes of coarse aggregate, as shown in AASHTO M 43, may be used when approved in writing.

**550-5.01 BASIS OF PAYMENT.**

*Replace the first sentence of this subsection with the following:*

If Items 550.0001.\_\_\_\_, 550.0002.\_\_\_\_, 550.0003.\_\_\_\_, 550.0004.\_\_\_\_, 550.0005.\_\_\_\_, or 550.0006.\_\_\_\_ do not appear in the Bid Schedule concrete is subsidiary to other items.

**SR SPECIAL PROVISION**

**550-2.02 COMPOSITION OF MIXTURE – JOB MIX DESIGN.** *Replace the note below* “Table 550-1 COMMERCIAL CONCRETE DESIGN REQUIREMENTS” *with the following:*

Alternate sizes of coarse aggregate may be used on condition that the nominal maximum aggregate size remains unchanged and the concrete is proportioned according to ATM 530.

**SRS-24**

**11/30/2020**

**SECTION 603**

**CULVERTS AND STORM DRAINS**

**SR SPECIAL PROVISION**

**603-3.01 GENERAL.** *Add the following:* Notify the Engineer 14 days prior to beginning work on culverts where fish passage is required. This notification is necessary to allow the Engineer time to exclude fish from the culvert work area.

See the Environmental Commitments and Permits for special conditions and in-water work windows regarding work in fish streams.

**SRS-13            02/26/2020**

**SR STANDARD MODIFICATION**

**603-3.03 JOINING PIPE.**

*Add the following before the numbered list of items:* Make joints watertight. Install flexible watertight gaskets at joints between new sections of pipe and joints between new and existing sections of pipe.

**SRM-13            02/26/2020**

**STANDARD MODIFICATION**

**603-5.01 BASIS OF PAYMENT.** *In the PAY ITEM table, capitalize the units for pay items 603.0003.\_\_\_\_ and 603.0004.\_\_\_\_.*

<b>PAY ITEM</b>		
<b>Item Number</b>	<b>Item Description</b>	<b>Unit</b>
603.0003.____	End Section for CSP ____ Inch	EACH
603.0004.____	End Section for ____ Inch CSP Arch	EACH

**HSM20-9            11/30/2020**

## SECTION 604

### MANHOLES AND INLETS

#### SR STANDARD MODIFICATION

**604-2.01 MATERIALS.** Delete the lines for Concrete and Precast Concrete Manhole Sections and replace with the following:

Concrete

Cast-in-Place	Section 550, Class B
Precast Concrete Manhole Sections	Subsection 712-2.05

**604-3.01 CONSTRUCTION REQUIREMENTS.** Delete "Use full mortar joints no more than 1/2 inch wide. Set metal frames in full mortar bed." and replace with the following:

For new construction and reconstruction of existing manholes and inlets use a rubber adjustment riser with a maximum of one concrete grade ring to bring the frame to grade.

For adjusting existing manholes and inlets, remove all existing grade rings and clean the top of the structure of all grout, adhesive, and loose material. Use a rubber adjustment riser with a maximum of two concrete grade rings to bring the frame to grade. Do not re-use existing grade rings.

Use rubber adjustment risers for the top riser. Use Infra-Riser by EJ, FlexORing by American Highway Products, Rubber Riser Rings by Sealing Systems Inc., Pro-Ring by Cretex Specialty Products, or approved equal rubber or recycled rubber adjustment risers, tapered to match the roadway slope. Seal rubber adjustment risers in place according to the manufacturer's written instructions.

Use concrete grade rings with a maximum height of 4 inches, meeting AASHTO M 199 or ASTM C478. Seal concrete grade rings to the manhole cone, and seal between concrete grade rings with a preformed flexible joint sealant meeting ASTM C990. Install preformed flexible joint sealant according the joint sealant manufacturer's written instructions. Make all seals watertight.

**SRM-14      04/20/2021**

## SECTION 606

### GUARDRAIL

#### SR SPECIAL PROVISION

**606-3.06 REMOVAL AND RECONSTRUCTION OF GUARDRAIL.** *Delete this subsection and replace with the following:* Remove and reconstruct guardrail as specified. Replace materials lost or damaged by the Contractor without extra compensation. Install guardrail located within 50 feet of bridge ends by the end of the shift in which the existing guardrail was removed. Before the end of the shift, delineate areas of removed guardrail with: portable concrete or steel F shape barriers with temporary crash cushions; temporary guardrail with temporary crash cushions; drums; or Type II Barricades. If using drums or Type II barricades, space them no more than twice the speed limit, and affix warning lights.

**606-3.07 REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL.** *Delete this subsection and replace with the following:* Remove the existing guardrail shown on the Plans, including the rail, cable elements, terminal sections, hardware, posts, concrete bases, and steel tubes. Backfill resulting holes with material in 6-inch layers that is similar to the existing embankment and compact to the same approximate density. Removed items become your property. Install guardrail located within 50 feet of bridge ends by the end of the shift in which the existing guardrail was removed. Before the end of the shift, delineate areas of removed guardrail with: portable concrete or steel F shape barriers with temporary crash cushions; temporary guardrail with temporary crash cushions; drums; or Type II Barricades. If using drums or Type II barricades, space them no more than twice the speed limit, and affix warning lights.

**SRS-15a**      **02/26/2020**

**606-1.01 DESCRIPTION.** *Add the following:* This work includes all labor, equipment and materials needed for paving under the guardrail as detailed on the Plans.

**606-2.01 MATERIALS.** *Add the following:*

Guardrail Paving      Any HMA, ATB, asphalt sidewalk, or local mix previously approved for use on this project.

*Add the following new Subsection:*

**606-3.14 GUARDRAIL PAVING.** Place, spread and compact the guardrail pavement on an approved surface at the thickness called for on the plans. Leave existing posts in place for guardrail designated to remain. For new guardrail, drive new guardrail posts after placement of guardrail pavement. Repair any damage to the guardrail pavement as a result of driving posts through the finished surface. Fill all voids that form after driving new guardrail posts. Use the same guardrail paving material, an approved asphalt patch material, joint sealant, or joint adhesive to fill all voids and gaps around guardrail posts into which a 1/2-inch diameter dowel can be inserted more than 1 inch. Compact repairs flush with the surrounding pavement surface.

Pave tapers and transitions as required at guardrail flares and guardrail ends. Do not leave any gaps in pavement between the roadway structural section and the pavement under the guardrail. Create smooth clean joints that do not create ponding of water at all locations where guardrail pavement abuts other pavements.

Compact pavement until it does not yield under the operation of the compactor.

**606-4.01 METHOD OF MEASUREMENT.** *Add the following:* Guardrail Paving will be measured by the linear foot at the face of the guardrail. No additional measurement will be made for tapers or transitions.

Sections of guardrail paving where voids around new guardrail posts have not been filled as required by this section will not be measured for payment.

**606-5.01 BASIS OF PAYMENT.** Add the following: The accepted quantity of Guardrail Paving will be paid for at the contract unit price, complete in place.

HMA, ATB, asphalt sidewalk and local mix materials for initial guardrail paving (prior to new post installation and around existing posts) will be measured and paid for under the respective bid items listed in the bid schedule. If asphalt binder is a bid item for the respective material, it will be measured and paid for as well. All materials, labor, and equipment necessary to repair damaged asphalt as a result of driving posts are subsidiary to Guardrail Paving and will not be measured separately for payment

Pay Item	Pay Unit
606.2014.0000 Guardrail Paving	Linear Foot

Add the following new Subsection:

**606-3.10 GUARDRAIL POST DRILLING OR SPUDDING.**

The Plans indicate locations where hard materials may be encountered for guardrail post installation. Prior to start of any work, the Contractor shall have available at the project site the equipment necessary to predrill or spud holes to allow the guardrail post to be driven to the required depth. Spudding, drilling or both methods will be permitted. Where spudding is not successful, rock drilling methods shall be utilized. Guardrail post drilling shall consist of drilling boreholes in rock or boulders to the required penetration depth.

Appropriate drilling equipment and bit sizes shall be selected by the Contractor. Blasting will not be permitted. The diameter of drilled rock sockets shall allow a tight, or secure fit of the post into the socket. The post shall be driven into the socket after drilling. Ream or clean all drilled sockets as may be required so that the piles are driven to the full depth of the drilled socket. Piles shall fit tightly into the sockets after completion of driving. Posts that are loose shall be removed and sediments such as sand or drill cuttings shall be placed into the drilled hole to insure a tight fit and secure embedment.

Spudding shall consist of driving a removable steel spud pile at the post location. The spud pile shall be driven to the required guardrail post depth and then extracted. The spud pile shall be a steel HP or other structural member of sufficient, length, cross sectional area, strength and stiffness to be driven to the required depth of the guardrail post.

Maintain a record for each post drilled or spudded. Remove and disposed of excess drill cuttings or evenly distribute and uniformly grade drilling or spudding spoils at or near the location of the work where permitted by the Engineer.

**606-4.01 METHOD OF MEASUREMENT.** Add the following:

4. Guardrail Post Drilling or Spudding. The unit price paid for guardrail post drilling or spudding item is considered full compensation for furnishing all equipment and labor necessary to pre-drill or drive spud holes regardless of the number required or type of method.

**606-5.01 BASIS OF PAYMENT.** Add the following:

5. Guardrail Post Drilling or Spudding. The unit price paid for each post location drilled or spudded for Item 606.2015.0000 Guardrail Post Drilling or Spudding, shall be considered full compensation for furnishing all equipment, labor and incidentals necessary to pre-drill and/or drive spud piles. Payment for this item will be made for each location or post where this work is required, regardless of the actual number of posts that are required to be installed by drilling or spudding. Driving of the guardrail post is not included in this work but is considered subsidiary to Items 606.0001.0000, 606.0013.0000, and 606.0016.0000. All material required for guardrail and terminal sections is paid for under the appropriate pay items shown in the bid schedule.

Payment will be made under:



Pay Item	Pay Unit
606.2015.0000 Guardrail Post Drilling or Spudding	Each

## SECTION 608

### SIDEWALKS

#### SR STANDARD MODIFICATION

**608-2.01 MATERIALS.** Under numbered item 2. Asphalt Sidewalk, Asphalt Binder, replace PG 52-28 with: PG 58-28.

Under numbered item 3. Detectable Warnings, delete the word "soaked".

**608-3.01 CONCRETE SIDEWALKS.** Add the following: Provide sealant matching the color of the adjacent sidewalk.

**608-4.01 METHOD OF MEASUREMENT.** Curb Ramp. Delete "backing curbs". Add the following: Backing curb, where required, will be measured and paid for under Section 609.

**608-5.01 BASIS OF PAYMENT.** Add the following:

Bed course material will be paid for under Item 301.0001.00D1.

Delete Pay Items 608.0004. and 608.0005. Bed Course Material.

**SRM-17            05/5/2021**

#### STANDARD MODIFICATION

**608-3.01 CONCRETE SIDEWALKS.** Add the following new paragraph after the ninth paragraph of this subsection :

The Engineer will test the finished surface with a 10-foot straightedge. Variations of more than 1/4-inch from the edge of the straightedge across or along the sidewalk surface, except at grade changes, are unacceptable. Portions of the sidewalk surface and pedestrian ramps less than 10 feet in width or length may be tested using a shorter straightedge.

**HSM20-10        11/30/2020**

**SECTION 609**

**CURBING**

**SR STANDARD MODIFICATION**

**609-2.01 MATERIALS.** Under Asphalt Binder replace PG52-28 with PG 58-28.

**609-3.01 GENERAL.** Add the following: Provide sealant matching the color of the curbing.

**609-5.01 BASIS OF PAYMENT.**

Add the following: Bed course material will be paid for under Item 301.0001.00D1.

Delete Pay Items 609.0005.\_\_\_\_\_ and 609.0006.\_\_\_\_\_ Bed Course Material.

**SRM-18            02/26/2020**

**609-4.01 METHOD OF MEASUREMENT.** Add the following:

Valley Gutter: Measured along the front edge of the valley gutter closest to the roadway centerline at the finished grade elevation. No deduction in length will be made for drainage structures or ramps installed in the valley gutter.

**609-5.01 BASIS OF PAYMENT.** Add the following: Reinforcing steel is subsidiary to 609.2004.0000

Add the following Pay Item:

<b>Pay Item</b>	<b>Pay Unit</b>
609.2004.0000 Valley Gutter	Linear Foot

## SECTION 611

### RIPRAP

**611-3.01 CONSTRUCTION REQUIREMENTS.** Add the following after the 2<sup>nd</sup> paragraph: If bedrock is encountered within riprap limits, prepare a slope of benched surfaces 2 feet or greater in width prior to placement of the riprap. Where the encountered bedrock is within 2 feet of the finish grade surface, as shown on the plans, riprap may be omitted at the discretion of the Engineer.

**611-5.01 BASIS OF PAYMENT.** Replace the first paragraph with the following:  
Excavation and backfill are subsidiary. Rock excavation will be paid for under Item 203-3.02.

## SECTION 615

### STANDARD SIGNS

#### SR STANDARD MODIFICATION

**615-3.01 CONSTRUCTION REQUIREMENTS.** *In numbered paragraph 7, replace the 6<sup>th</sup> sentence with:* Deliver salvaged sign panels, posts and hardware to the nearest State of Alaska, Department of Transportation and Public Facilities, Maintenance Yard.

*Delete the second and third sentences of numbered paragraph 14 and replace with the following:* Make the label at least 16 square inches and show the year and month the sign was purchased from the manufacturer. Show the last two digits of the year in clear and bold numbers. Show the month as a one quarter inch punch out of 1 through 12.

**SRM-19            02/26/2020**

**SECTION 618**

**SEEDING**

**SR STANDARD MODIFICATION**

**618-3.02 SEEDING SEASONS.** *Delete the third paragraph and replace with:* Seed disturbed areas after permanent cessation of ground disturbing activities in that area within the time period specified in the Alaska Department of Environmental Conservation (ADEC) Alaska Pollutant Discharge Elimination System (APDES) Construction General Permit (CGP) for Alaska, Section 4.5 Final Stabilization, and Section 641 Erosion, Sediment, and Pollution Control.

**SRM-20            02/26/2020**

**618-3.03 APPLICATION.** *Delete first two sentences and replace with:* Apply seed mix, fertilizer, and soil stabilization (if required) at the following rates:

MATERIAL	TYPE	APPLICATION RATE PER 1000 SQUARE FEET
Seed	'Norcoast' Bering Hairgrass	2.0 oz.
	Arcta Red Fescue	8.0 oz.
	Boreal Fescue	8.0 oz.
	Annual Rye	1.0 oz.
Fertilizer	20-20-10	10 lb.
Soil Stabilization	BFM	Per Manufacturer

**618-3.04 MAINTENANCE AND WATERING.** *In the second paragraph delete* "Water applied by this Subsection is a paid contract item."

**618-4.01 METHOD OF MEASUREMENT.** *Delete the item Water for Seeding.*

**618-5.01 BASIS OF PAYMENT** *In the second sentence, delete* "for hydraulic method".

*Delete the item Water for Seeding.*

**SECTION 619**  
**SOIL STABILIZATION**

**SR SPECIAL PROVISION**

**619-1.01 DESCRIPTION.** *Add the following:* Furnish, place, and maintain Bonded Fiber Matrix (BFM) hydraulic stabilizer on permanently seeded construction slopes where shown on the Plans.

**619-2.01 MATERIALS.** *Add the following:*

Bonded Fiber Matrix (BFM)                      Subsection 727-2.04

**619-3.02 APPLICATION.** *Add the following:*

**BFM**

Hydraulically apply the BFM according to the manufacturer's instructions within 24 hours after seed is placed.

Apply BFM at the rate specified by the manufacturer for the slope being treated.

Provide the Engineer with a copy of the manufacturer's application instructions and specified application rate.

Do not apply BFM to saturated soils or when weather will not permit the BFM to cure.

**619-3.03 MAINTENANCE.** *Add the following:* Reshape and reseed any damaged areas and repair the BFM as required.

Maintain the BFM until all work on the project is complete and accepted.

**619-4.01 METHOD OF MEASUREMENT.** *Add the following:*

619.2013.0000 By the weight of dry fiber acceptably placed and maintained in conjunction with permanent seeding.

**619-5.01 BASIS OF PAYMENT.** *Add the following:* BFM used for temporary stabilization is subsidiary to work under Section 641.

*Add the following pay item:*

Pay Item	Pay Unit
619.2013.0000 Bonded Fiber Matrix (BFM)	Pound

**SRS-17              02/26/2020**

**SR STANDARD MODIFICATION**

**619-4.01 METHOD OF MEASUREMENT.** *Add the following:* No allowance will be made for overlap.

**SRM-21              02/26/2020**

**SECTION 625**

**PIPE HAND RAIL**

**625-2.01 MATERIALS.** Delete this subsection and replace with the following:

Use materials that conform to the following;

Concrete	Section 501, Class A
Pipe	ASTM A53, Galvanized, Schedule 40

**625-5.01 BASIS OF PAYMENT.** Add the following:

Footing Excavation, bedding, formwork, concrete, reinforcement and backfill are subsidiary, paid for under Section 625.



## SECTION 627

### WATER SYSTEM

**627-1.01 DESCRIPTION.** Delete this subsection and replace with the following:

Furnish all engineering design services, materials, labor, and equipment necessary for relocating water services and raising or lowering existing water services or water mains when the grades of such services interfere with new construction of, culverts or other excavations. The exact location, type, and size of existing service connections are unknown. Information provided in the Drawings and Specifications has been taken from maintenance records, record drawings, or field surveys, and are not known to be 100% accurate and complete. The Department shall not be liable for accuracy of information on these documents.

Furnish all material, labor, and equipment necessary to replace existing water valve boxes with new water valve boxes, and adjust to finished grade.

Furnish all material, labor, and equipment necessary to adjust the elevations of hydrant pads.

Furnish all material, labor, and equipment necessary to locate existing water services. Develop a utility conflict report that identifies all water utility conflicts that may occur within the expected limits of this project.

The term "water conduit" refers to all conduits used for water mains. The term "service pipe" refers to service lines.

**627-2.01 MATERIALS.** Add the following:

Petrolatum Tape – Non-woven synthetic fabric tape, 46 mils per ASTM D1000, impregnated with petrolatum and inert siliceous fillers meeting AWWA C217.

Warning Tape – Warning tape must not be less than five (5) mil, foil backed, six inches (6") wide vinyl tape, colored blue, with "Caution Buried Water Line Below" continuously printed in black along the tape length.

**627-3.01 GENERAL.**

add the following: Existing utilities are shown in their approximate location. Verify existing waterline size, type, and location prior to waterline relocation. Comply with the requirements of the Alaska Department of Conservation (ADEC) Conditional Construction Approval.

Delete paragraphs 5 & 6 and add the following: All planned interruptions to water services, fire hydrants, or sewer services require notifying the Engineer, the South Tongass Volunteer Fire Department, property owners, property managers, and residents a minimum of seventy-two (72) hours and a maximum of one-hundred forty-four (144) hours in advance of the interruption. Restore water service as soon as possible, or make temporary service connections. Use hoses or other suitable methods" Each interruption requires separate notification. Interruptions not started within the planned interruption period require a new notice and notifying period. Along with the notice requirements, planned interruptions may not affect any portion of a previous interruption until a minimum of forty eight (48) hours has passed the previous interruption. Properties with fire sprinklers require a minimum of three non-holiday and non-weekend days of notice to allow property managers time to mitigate impacts to fire suppression systems.

Upon notifying the Engineer of a planned interruption to water services, the Contractor shall allow up to fourteen (14) working days Ketchikan Gateway Borough Public Works Department to clean and operate valves, operate hydrants and complete test shutdowns to establish the limits of the shutdown area. Shutdown does not implicitly mean "shut off", and the Contractor shall plan for water from the water system to enter the work area after the pipes have been drained.

The Contractor is fully responsible for coordinating “turn-off” and “turn-on” with the Engineer and the Ketchikan Gateway Borough Public Works Department.

The Contractor shall bear all expenses incurred if a water service, water main, sewer service, or sewer main within the project site is damaged during construction. The Ketchikan Gateway Borough Public Works Department, at its option, will allow the Contractor to make repairs, or the Borough will make repairs; however, the Contractor shall bear the cost of all material, labor, and other expenses associated with the repair.

All trench excavations shall be OSHA compliant.

**627-3.03 FIRE HYDRANTS.** Add the following:

Construct a gravel hydrant pad as shown on the plans.

The Contractor is responsible for determining the make/model of existing hydrants, and ensuring compatibility of parts for hydrant relocation. The Contractor is responsible for determining if existing hydrants are equipped with existing extensions. No more than one extension is allowed per hydrant.

Where fire hydrants are disabled in the course of work, the contractor is responsible for providing a temporary water source for emergency fire suppression. The contractor shall coordinate with the South Tongass Volunteer Fire Department Chief for placement and requirements of the temporary water source for emergency fire suppression.

**627-3.05 VALVE BOXES.** Delete the second sentence of the third paragraph and add the following: “Remove and dispose of the existing valve box assembly.”

Add the following: If the valve box is located within a concrete curb ramp, furnish and install a handhole cover over the top section, flush and sloped to match the finished grade of the concrete curb ramp.

Add the following new Subsection:

**627-3.08 LOCATE WATER SERVICE.**

Notify the Engineer 24 hours in advance of locate activities and coordinate as required to ensure the Engineer is present during water locate operations.

Locate all existing water service lines that cross proposed ditch excavations or storm drain systems prior to beginning construction of ditches or storm drain systems. Use nondestructive excavating equipment such as vacuum excavation, pressurized air or water, or hand digging to expose critical points along the water service and determine the precise position of the utility. Document the material, type, size, and condition of the utility. Survey the horizontal and vertical position of the existing water service at each excavation location prior to backfilling.

All damage to water services as a result of the Contractor’s operations shall be repaired at the Contractor’s expense.

Backfill and compact excavations in accordance with Section 204.

Add the following new Subsection:

**627-3.09 RELOCATE EXISTING WATER AND SEWER SERVICES.** Add the following:

Where a conflict occurs between existing services and new storm drains, excavate the existing water service from the point of interception to a sufficient distance to raise or lower the service such that the conflict will be eliminated.

The relocation of existing water services may require on-property work. Obtain permission for any water or sewer service relocation work from the property owner(s) and submit a written statement to the Engineer in accordance with subsection 107-1.02 prior to beginning the work. Any conflicts or disputes with the property owner(s) as a result of the work shall be resolved by the Contractor at no additional cost to the property owner(s) or the Department.

All work shall be designed and constructed in accordance with the Ketchikan Gateway Borough Details, Ketchikan Gateway Borough Standard Specifications for Water Services, Ketchikan Gateway Borough Specifications for Sanitary Sewer Pipe, the current version of the ADEC Onsite Wastewater System Installation Manual, and these specifications. The Contractor is responsible for engineering and design required to construct water and sewer relocations in accordance with the above requirements. The Contractor is responsible for obtaining ADEC certification for Approval to Construct and Approval to Operate on all new water and wastewater services. Plan approval requests must be submitted within the timeframes required by ADEC.

All services shall be centered in the excavated trench. Where multiple services are laid in the same trench, services must have a minimum separation of two feet (2'). Non-copper services cannot share the same trench as water services.

Furnish the Department with complete as-built drawings for all new water and sewer services. As-builts shall include horizontal and vertical position of all installed systems (i.e. piping, valves, insulation, etc).

Notify the Engineer 24 hours in advance of locate activities and coordinate as required to ensure the Engineer is present during water locate operations. Locate all existing water lines that cross proposed storm drain excavations prior to beginning construction. Expose critical points along the water main and determine the precise position of the utility. Document the material, type, size, and condition of the utility. Survey the horizontal and vertical position of the existing water service at each excavation location prior to backfilling.

Where a water main crosses the location of a new storm drain or culvert, the water main shall be lowered sufficiently to permit a minimum (outside diameter) vertical distance of eighteen inches (18") from the storm drain or culvert. The water line joints shall be at least 9 feet (9') from the location of new storm drain joints. Relocate the water main in accordance with the Plans.

Provide at least 72 hours' notice to the Engineer, Ketchikan Gateway Borough Water and Wastewater Utility Divisions and the Ketchikan Gateway Borough Public Work's Department prior to:

1. Needing water or sewer main line locates;
2. disruption of water lines 12-inches or smaller;
3. use of water from any fire hydrant.

Provide at least 1 week notice to the Engineer, Ketchikan Gateway Borough Water and Wastewater Utility Divisions and the Ketchikan Gateway Borough Public Work's Department prior to any planned interruption of water lines larger than 12-inches.

The Contractor shall notify all local radio stations, newspapers and all customers who will be affected by a planned water service disruption at least 24 hours in advance of the disruption.

The water utility, fire department, and customers will be notified in the event of any water outage exceeding the limits set forth herein.

The Contractor shall be responsible to provide temporary water service to the existing customers when a potable water outage exceeds 4-hours. The temporary water service plan shall be reviewed and approved the ADEC Drinking Water division. Temporary water service must be maintained until satisfactory completion of ADEC laboratory testing requirements.

Untreated water outages shall not exceed 12 hours. Timing of the outage will be approved in advance by Ketchikan Gateway Borough Water and Wastewater Utility Divisions and the South Tongass Volunteer Fire Department. Untreated water interruption shall be scheduled outside schools hours.

Temporary water mains shall comply with NSF Standard 61 and have appropriate cross connection control. The Contractor shall submit a temporary water main plan to the ADEC Drinking Water Division. The plan shall address flushing, disinfection, and microbial testing. The temporary water main plan shall be approved by the ADEC Drinking Water Division prior to the temporary water main being placed into service.

The Contractor shall issue a boil water notice if the water distribution system pressure drops below 20 pound per square inch (PSI) during any temporary shutdown of the water main and service connections. Notify affected customers at least 24 hours before the water line is depressurized.

Submit a request for Interim Approval to Operate and results of the required coliform testing to the ADEC Drinking Water Division upon completion of the water line relocation, prior to rescinding the boil water notice, and prior to serving water for consumption. Water cannot be served for consumption before the Interim Approval to Operate is issued. The water main may be pressurized and water used for sanitary purposes while coliform sample results are processed. Provide a copy of the ADEC approved Interim Approval to Operate to the Engineer.

Relocated water mains and services shall be flushed and pressure tested to ensure water tightness prior to being placed back in service in accordance with applicable AWWA standards for installation of ductile iron pipe.

Relocated water mains and services shall be disinfected according to AWWA C651 prior to being placed in service. Verify the system is free of coliform bacteria in accordance with applicable AWWA standards. Submit copies of the satisfactory results with the request for Interim Approval to Operate. A minimum of 4 satisfactory analytical results are required as follows:

- Two sets of 2 samples taken at least 16 hours, or 15 minutes apart, in accordance with AWWA Standard C651
- Two samples taken at the water line relocation located at approximately Station 247+30
- Two samples taken at the water line relocation located at approximately Station 247+90

The Contractor shall submit a request for Final Approval to Operate to ADEC at least 30 days prior to the expiration of the Interim Approval to Operate. Provide a copy of the ADEC approved Final Approval to Operate to the Engineer.

Any water service disruption shall be restored as soon as possible.

All damage to water services as a result of the Contractor's operations shall be repaired at the Contractor's expense.

Furnish the Department with complete as-built drawings for all new water conduit. As-builts shall include the horizontal and vertical position of all installed systems (i.e. piping, valves, insulation, etc).

Add the following new Subsection:  
**627-3.10 RELOCATE WATER MAIN.**

Where a water main crosses the location of a storm culvert, the water main shall be raised or lowered sufficiently to permit a minimum (outside diameter) vertical distance of eighteen inches (18") from the culvert. The contractor may employ either of the following methods for raising or lowering a water main:

1. Lower lengths of the water main as necessary on either side of the proposed sewer to allow the main to pass under the culvert, providing the deflection at any joint does not exceed the manufacturer's recommendation.
2. Lower the water main using four (4) pipe bends not to exceed twenty-two and one-half degrees (22 ½°). In special cases only, and when approved by the Engineer in advance, forty-five degree (45°) bends may be used.

The method of adjusting the water main, and the materials to be used shall be approved by the Engineer prior to commencing work.

All work shall be constructed in accordance with the Ketchikan Gateway Borough Standard Details, and Ketchikan Gateway Borough Standard Specifications for Water Pipe. The Contractor is responsible for all engineering, design and permitting required to construct water main relocations. The Contractor is responsible for coordinating all plan reviews and obtaining ADEC certification for Approval to Construct and Approval to Operate for all water main relocations. Plan approval requests must be submitted within the timeframes required by ADEC.

**627-4.01 METHOD OF MEASUREMENT.** *Add the following:*

6. Item 627.0003.0000 Install Valve Box. By each.
7. Item 627.2028.0000 Water Lile Survey. By each.
8. Item 627.2020.0000 Water Main Relocation. By each.

**627-5.01 BASIS OF PAYMENT.** *Add the following:*

Item 627.0003.0000 Install Valve Box. Payment will be made per each water valve box assembly furnished, installed and accepted by the Engineer. Water valve box assembly materials include water service valve boxes, stems, dust pans, covers, handhole covers (if listed in the plans), and corrosion protection systems. All Excavation, Bedding, Backfill, are considered subsidiary to the work. The removal and disposal of existing water valve boxes is considered subsidiary to the work.

Item 627.0006.0000 Fire Hydrant Relocation. Fire Hydrant Relocation includes all labor, equipment and materials to adjust fire hydrant to proposed location and grades, including but not limited to fire hydrant extension kits, excavation, fill materials, and borrow necessary to construct the hydrant pad. Adjustment of fire hydrant valve boxes will be paid separately under Item 627.0010.0000.

Item 627.0003.0000 Install Valve Box. Payment will be made per each water valve box assembly furnished, installed, and accepted by the Engineer. Water valve box assembly materials include water service valve boxes, stems, dust pans, covers, and corrosion protection systems. All Excavation, Bedding, Backfill, are considered subsidiary to the work. The removal and disposal of existing water valve boxes is considered subsidiary to the work.

Item 627.2028.0000 Water Lile Survey. Payment will be made at the Contract lump sum price for locating all water services that cross proposed excavations or storm drain systems, and developing a Utility Conflict Report. Payment will be based upon the completion of the entire work in accordance with the requirements of the Contract Documents. The Department will withhold 50% of the payment for Locate Water Service until the Utility Conflict Report is furnished and approved by the Engineer.

Item 627.2020.0000 Water Main Relocation. Payment will be made at the Contract price per each relocation complete in place without regard to the diameter of the water main or length required to be adjusted. All Engineering, Design, Permits, Excavation, Bedding, Backfill, Piping, Fittings, Fusions, Tracer wire, Marking tape, Flushing, Thrust Blocks, Testing, Disinfecting, As-Builts, and associated work necessary to construct this item is considered subsidiary. Reconstructing affected residential water service lines is considered subsidiary.

The contract price includes all resources required to comply with the requirements of the ADEC Conditional Construction Approval, including obtaining the Interim Approval to Operate and Final Approval to Operate. The Department may withhold payment for failure to obtain the Interim Approval to Operate and Final Approval to Operate

Pay Item	Pay Unit
627.0003.0000 Install Valve Box	Each
627.2028.0000 Water Lile Survey	Each
627.2020.0000 Water Main Relocation	Each

Delete Pay Item 627.0008 Water Service Connection.

**SECTION 630**

**GEOTEXTILE FOR EMBANKMENT AND ROADWAY SEPARATION, STABILIZATION AND REINFORCEMENT**

**630-5.01 BASIS OF PAYMENT.** Add the following: Geotextile is subsidiary unless shown on the bid schedule.

## SECTION 640

### MOBILIZATION AND DEMOBILIZATION

#### SR STANDARD MODIFICATION

*Delete Section 640 and replace with the following:*

**640-1.01 DESCRIPTION.** Perform work and operations necessary to:

1. move personnel, equipment, supplies, and incidentals to the project site;
2. establish offices, buildings, and other facilities, except as provided under Section 644;
3. install required bulletin boards;
4. perform other work and operations and pay costs incurred, before beginning construction;
5. complete similar demobilization activities;
6. furnish required submittals such as as-builts, certificates, payrolls, civil rights reports, and equipment warranties; and
7. comply with the Alaska Department of Labor and Workforce Development (DOLWD) requirements for Worker Meals and Lodging, or Per Diem; as described in the State Laborer's and Mechanic's Minimum Rates of Pay (Pamphlet 600). On Federal-aid projects, PL 109-59, 119 STAT. 1233, Sec. 1409 (c) also applies.

Ensure subcontractors comply with the Federal and State DOLWD requirements.

Ensure facilities meet the Alaska Administrative Code 8 AAC 61.1010 and 8 AAC 61.1040 Occupational Safety and Health Standards, 18 AAC 31 Alaska Food Code, and U. S. Code of Federal Regulations 29 CFR Section 1910.142 Temporary Labor Camps.

Do not consider the cost of Meals and Lodging, or Per Diem in setting wages for the worker or in meeting wage requirements under AS 23.10.065 or AS 36.05.

**640-2.01 MATERIALS.** None.

**640-3.01 CONSTRUCTION REQUIREMENTS.** Maintain a bulletin board with postings required by Alaska Statutes and on Federally Funded projects also post the Required Contract Provisions for Federal-Aid (FHWA) Construction Contracts Form 25D-55H (Form FHWA-1273), prominently and conspicuously placed on the project where the posting statements can be seen by each employee and prospective employees at all times. The Engineer may provide a current list of required postings when requested. Protect postings from the weather. Replace postings that become illegible.

**640-4.01 METHOD OF MEASUREMENT.** None.

**640-5.01 BASIS OF PAYMENT.**

1. Mobilization and Demobilization. Payment will be made according to Table 640-1, except no payments will be made if the bulletin board is not installed or maintained according to Subsection 640-3.01.
2. Worker Meals and Lodging, or Per Diem. Progress payments for Worker Meals and Lodging, or Per Diem will be computed as equivalent to the percentage, rounded to the nearest whole percent, of the original contract amount earned.



**TABLE 640-1  
MOBILIZATION AND DEMOBILIZATION PAYMENT SCHEDULE**

<b>Amount Paid</b>	<b>When Paid</b>
10% of Pay Item 640.0001.0000 or 1% of the Contract amount, whichever amount is less.	With first estimate for other bid items
30% of Pay Item 640.0001.0000 or 3% of the Contract amount, whichever amount is less.	When 4% of the original Contract amount is earned from other bid items
40% of Pay Item 640.0001.0000 or 4% of the Contract amount, whichever amount is less.	When 8% of the original Contract amount is earned from other bid items
10% of Pay Item 640.0001.0000 or remaining amount of Pay Item 640.0001.0000 less \$5,000, whichever amount is greater.	With estimate following when all physical work and cleanup are complete as described in Subsection 105-1.15
Remaining amount of Pay Item 640.0001.0000	With Final Payment

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
640.0001.0000 Mobilization and Demobilization	Lump Sum
640.0004.0000 Worker Meals and Lodging, or Per Diem	Lump Sum

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**SECTION 641**

**EROSION, SEDIMENT, AND POLLUTION CONTROL**

**641-1.02 DEFINITIONS.**

**CONSTRUCTION GENERAL PERMIT (CGP).** *Add the following:* The CGP and Fact Sheet can be found at the following websites:

<https://dec.alaska.gov/media/22136/2021-cgp-pmt-akr10-fnl-20201217.pdf>

<https://dec.alaska.gov/media/22138/2021-cgp-fs-akr10-fnl-20201217.pdf>

**EROSION AND SEDIMENT CONTROL PLAN (ESCP).** *Replace the definition of ESCP with the following:* The Department’s project specific document that illustrates measures to control erosion and sediment on the project. Use the Department’s ESCP as a starting point for developing the SWPPP.

*Add the following definition:*

**NON-ERODIBLE STOCKPILE.** Any material stockpile identified in the ACGP definition for Final Stabilization, Section 1.b, and includes: riprap, gabion backfill, porous backfill, railroad ballast and sub-ballast, ditch lining, or fill material with low erodibility. The stockpile shall not have a gradation of more than 5 percent passing the #200 sieve unless approved by the Engineer. There shall be no possibility of sediment transport due to water or wind erosion. Aggregate materials defined in Section 703-2.03, Table 703-2, are only considered stable on relatively flat slopes (no steeper than 4H:1V) when compacted in accordance with Section 203-3.04 or 301-3.03.

**SUPERINTENDENT.** *Replace the definition of Superintendent with the following:* As defined in Subsection 101-1.03, and the Contractor’s duly authorized representative in accordance with the requirements of the CGP.

**TEMPORARY STABILIZATION.** *Add the following:* Trackwalking alone is not considered temporary stabilization.

**SWPPPTRACK.** Software subscription service version SWPPPTrack LTIS AK developed and provided by Storm Water Simplified Ltd. for use on construction projects that require coverage under the Alaska Pollutant Discharge Elimination System (APDES) Construction General Permit (CGP).

**641-1.04 PERSONNEL QUALIFICATIONS.** *Replace the paragraph beginning “The SWPPP Manager must have...” with the following:*

The SWPPP Manager must have current certification as AK-CESCL and must have experience in erosion and sediment control as a SWPPP Manager, SWPPP Preparer, or equivalent meeting the below table. The SWPPP Manager must meet the authority requirements identified for the Storm Water Lead and Storm Water Inspector positions as defined in the CGP, Appendix C, Qualified Person. Provide documentation to the Engineer including project names, project timelines, and work responsibilities demonstrating the experience requirement.

<b>SWPPP Manager Required Experience</b>				
<b>Total Project Disturbed Acreage</b>				
	<1 Acre	1 to < 5 acres	5 to < 20 acres	≥ 20 acres
<b>Experience</b>	0 years	1 year	2 years	5 years

*Add the following certificates as equivalent to AK-CESCL:*

- c. CESSWI, Certified Erosion, Sediment and Storm Water Inspector
- d. CPSWQ, Certified Professional in Storm Water Quality.

**641-1.05 SIGNATURE/CERTIFICATION REQUIREMENTS AND DELEGATIONS.** *Replace item 4. and add item 5. with the following:*

4. Signatures and Initials. Except for SWPPPTrack documents, handwrite signatures or initials on CGP documents and SWPPP forms, wherever a signature or initial is required.
5. SWPPPTrack Signatures and Initials. Sign or initial electronically as provided for in SWPPPTrack wherever a signature or initial is required.

**641-1.06 RESPONSIBILITY FOR STORM WATER PERMIT COVERAGE.** *Add the following to the end of this subsection:*

5. Perform the Alaska Department of Environmental Conservation CGP Permit required inspections using a network connectable mobile device capable of running the latest version of the SWPPPTrack LTIS inspection software application developed by Storm Water Simplified Ltd. Perform and document all inspections required by the CGP and the SWPPP with the SWPPPTrack inspection application and populate all inspection fields accurately to represent current project conditions until final stabilization is achieved and Notice of Termination has been completed.

The Department and the Contractor are jointly responsible for permitting and permit compliance. The Contractor is responsible for purchasing and contracting with Storm Water Simplified Ltd. for the use of the SWPPPTrack software application and services until final stabilization is achieved and Notice of Terminations have been completed.

All inspections must be performed with the use of SWPPPTrack software application. If SWPPPTrack software is not functional, manually complete inspection using DOT&PF SWPPP forms.

The Contractor's Superintendent or SWPPP Manager must perform all SWPPPTrack inspections jointly with a DOT&PF responsible "Qualified Person."

**641-2.01 STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS.**

2. Developing the SWPPP. *Delete the first paragraph and replace with the following:*  
Use the Department's ESCP, Environmental commitments, and other Contract documents as a starting point for developing the SWPPP. The approved SWPPP will replace the ESCP. The ESCP is intended to guide contractors during the bidding process and assist in the preparation of the contractor's SWPPP that must be approved prior to commencing construction after award. The contractor is responsible for the risk assessment analysis, planning, preparation and implementation of the SWPPP.

*In the first sentence of item 2.b., following the word "information," insert "manually".*

Strike the following listed forms from 2.b:

- (3) SWPPP Construction Site Inspection Report (25D-100).
- (4) SWPPP Corrective Action Log (25D-112)
- (5) SWPPP Daily Record of Rainfall (25D-115)
- (9) SWPPP Project Staff Tracking (25D-127)

Add new item 2.c:

- c. Use following Department forms as implemented electronically in SWPPPTrack:

- (1) SWPPP Construction Site Inspection Report (25D-100)
- (2) SWPPP Corrective Action Log (25D-112)
- (3) SWPPP Daily Record of Rainfall (25D-115)
- (4) SWPPP Project Staff Tracking (25D-127)

3. SWPPP Considerations and Contents. In the first paragraph of Item d., after “construction methods and phasing” add the following: and include drawings showing each phase of the project with the BMPs implemented in the phase.

#### **641-2.04 RESPONSIBILITY AND AUTHORITY OF THE SUPERINTENDENT AND SWPPP MANAGER.**

Delete the paragraph following the numbered list and replace with the following: When Bid Item 641.0007.\_\_\_\_ is part of the Contract, the SWPPP Manager must have no duties or authority other than administration of SWPPP requirements, and must be physically present within the Project Zone or the project office, for at least eight hours per day while construction activities are occurring.

**641-2.05 MATERIALS.** Add the following to the first paragraph: Use materials meeting the requirements of the BMPs documented in the SWPPP.

Add the following to the second paragraph: Do not use temporary seed for stabilization on finished slopes.

Replace the fifth paragraph of this subsection with the following:

Use straw and straw products certified weed free of prohibited and restricted noxious weed seed and quarantined pests, according to Alaska Administrative Code, Title 11, Chapter 34 (11 AAC 34). When straw or straw products certified according to 11 AAC 34 are not available, use non-certified products manufactured within Alaska before certified products manufactured in another state, country, or territory. Non-certified straw or straw products manufactured in another state, country, or territory shall not be used. Grass, legumes, or any other herbaceous plants produced as hay, shall not be substituted for straw or straw products.

#### **641-3.01 CONSTRUCTION REQUIREMENTS.**

1. Before Construction. Add the following to the list of notices required to be posted in Item i.:
  - (3) Name and 24 hour phone number of Superintendent or SWPPP Manager.
5. Corrective Action and Maintenance of BMPs.

Replace the first paragraph of item a. with the following:

- a. Use SWPPPTrack software to implement corrective actions.

- (1) Record BMP condition, modifications, installations, additions, removals and SWPPP modifications with the SWPPPTrack inspection software application.
- (2) Record all BMP spatial locations using the SWPPPTrack inspection software application.
- (3) Document BMP inspections using photos as required by the SWPPPTrack inspection software application.

Replace Items a.(5). and a.(6). with the following:

- (5) If BMP maintenance is overdue as identified in 641-3.03.10.

6. Stabilization. Delete Item a. and replace with the following:

a. Stabilization may be accomplished using temporary or permanent measures. Initiate stabilization for areas with a mean annual precipitation of:

- (1) 40 inches or less, no later than the end of the next work day, following the day when the earth-disturbing activities have permanently ceased or have temporarily ceased and will not resume for fourteen days.
- (2) Greater than 40 inches, no later than the end of the next work day, following the day when the earth-disturbing activities have permanently ceased or have temporarily ceased and will not resume for seven days.

**641-3.03 SWPPP INSPECTIONS, AMENDMENTS, REPORTS, AND LOGS.** Replace the first paragraph with the following:

Perform Inspections, prepare Inspection Reports, and prepare SWPPP Amendments in compliance with the SWPPP and the CGP. Perform Inspections and use SWPPPTrack software to prepare Inspection Reports, SWPPP corrective actions, daily record of rainfall, and Project Staff Tracking Log. Update SWPPP Amendment Log Form 25D-114, and SWPPP Grading and Stabilization Activities Log Form 25D-110. For active projects update the Records daily.

**2. Inspection Reports.**

Replace the first six paragraphs with the following:

Use SWPPPTrack software to record inspections maintaining compliance with the CGP and SWPPP inspection frequency schedule, according to CGP Part 6.1. The Superintendent must review and correct all errors prior to electronically certifying the inspection report with the use of SWPPPTrack. The Superintendent must release the final report to the Engineer by electronically signing in SWPPPTrack. The Engineer will certify or reject electronically the Inspection Report with the use of SWPPPTrack within three working days.

Document in the inspection report the need for corrective actions identified during an inspection or when discovered by the Department's or Contractor's staff, a subcontractor, or a regulatory agency inspector.

In the last paragraph, replace all occurrences of "amendment memo" with "addendum memo".

4. **Reduced Inspection Frequencies.** Replace the second paragraph with the following: If the Engineer approves and the entire site is stabilized, the frequency of inspections may be reduced to comply with CGP Part 6.2.4.

10. **Corrective Action Log.** Replace the all paragraphs of this item with the following: The Superintendent and SWPPP Manager are the only persons authorized to close a corrective action using SWPPPTrack. The Superintendent or SWPPP Manager will close corrective action items only after the BMP measures have been appropriately addressed and inspected utilizing the SWPPPTrack inspection software application.

Document in SWPPPTrack, within 24 hours of notification, any deficient BMP, modification or replacement of a BMP, installation of a new BMP not shown in the original SWPPP, or corrective action discovered outside of a scheduled inspection by Department or Contractor staff, a subcontractor, or a regulatory agency inspector.

After the eNOT is filed, upload a copy of the Corrective Action Log from SWPPPTrack for recording as Appendix J to the SWPPP.

12. **Daily Record of Rainfall.** Replace the paragraph with the following: Maintain a daily record of rainfall amounts and dates using SWPPPTrack. If a rain gauge is included on site, manually populate all daily record of rainfall fields to accurately represent current project conditions. A daily record of rainfall will be included in the Inspection Report when using SWPPPTrack.

SWPPPTrack will generate a precipitation alert (delivered by email) for storm events that produce more than 1/2 inch rainfall in 24 hours. Perform inspections as required by the CGP.

If a storm event does not produce a discharge from the project site, submit an explanation in response to the SWPPPTrack precipitation alert.

13. **Staff Tracking Log.** Replace the first sentence with the following: Use SWPPPTrack to keep staff records current.

Replace the third sentence with the following: Update the SWPPPTrack Staff Tracking Log within 24 hours of any changes in personnel, qualifications, or other staffing items related to administration of the CGP or Section 641.

**641-5.01 BASIS OF PAYMENT.**

Item 641.0001.0000\_ Erosion, Sediment and Pollution Control Administration. Add the following to the end of the paragraph:

The contract lump sum price includes all labor, equipment, and materials necessary to implement and use SWPPPTrack LTIS AK software.

Item 641.0003.0000 Temporary Erosion, Sediment and Pollution Control. Replace with the following: At the Contract lump sum price for all work required to implement the SWPPP, except for work required:

- a. due to Differing Site Condition meeting 104-1.03, or
- b. due to additional requirements from DEC to comply with the Excavation Dewatering General Permit when a visual sheen is observed in the discharge.

Item 641.0005.0000 Temporary Erosion Sediment and Pollution Control by Directive. Replace with the following: At the contingent sum prices specified in the Directive authorizing the work, to install, maintain, remove and dispose of temporary erosion, sedimentation, and pollution control BMPs, not covered by 641(3). Prices for this item will be by time and materials according to Subsection 109-1.05, or by mutual agreement between the Engineer and Contractor. All additional Erosion, Sediment, and Pollution Control Administration necessary due to this item will not be paid for separately but will be subsidiary to other bid items.

## SECTION 642

### CONSTRUCTION SURVEYING AND MONUMENTS

**642-3.01 GENERAL** Add the following: Work involving cross-section surveys and earthwork volume calculations required by this Section must be performed by or under the responsible charge of a Professional Land Surveyor or Professional Engineer. Submit a proposed method of computing volumes and areas to the Engineer in writing for approval at least five working days prior to the preconstruction conference.

The Contractor is responsible for the measurement and computation of all field-measured pay item quantities.

Item quantities must be provided to the Engineer before payment can be made for each specific item. The Department will review and accept or modify all quantities provided.

#### **642-3.02 CROSS-SECTION SURVEYS.**

Add the following to the numbered list that follows the words "Perform the following":

14. Complete quantity calculations for all items measured by cross-section surveys.
15. The Contractor shall submit a survey report with each pay request for pay items measured by cross-section survey, and a final survey report.
  - a. Survey reports required under this Section shall be signed and sealed by the Contractor's Alaska professional land surveyor or professional engineer in responsible charge.
  - b. Survey reports shall define the methods and procedures used in calculating quantities. Reports shall include detailed information on what, if any, software was used. It is the intent of these deliverables to provide the Department with a way of checking and referencing the Contractor's pay quantities as well as the electronic archiving thereof.
  - c. Survey reports shall include cross section notes and diagrams showing station, offset, average end area, and elevation information to original ground and final grade.
  - d. If electronic survey data collection and processing methods are used, survey reports shall include the following electronic deliverables:
    - I. ASCII plain text coordinate files providing point number, northing, easting, elevation, and description (PNEZD) or such files as supported by Autodesk Civil 3D that includes staked points for slope stakes or reference stakes on original and finished ground and any additional cross section shots on original and finished ground used to determine quantities. The point description shall include the station and offset.
    - II. If calculating quantities according to 109-1.02 3. b., digital terrain models before and after excavation which were used to calculate quantities shall be included in a Civil 3D format (i.e. LandXML, etc). An ASCII file of individual side shots used to create said surface modeling shall also be provided. Before and after excavation cross section reports and diagrams showing station, offset, and elevations produced by the calculation software shall be included.

- e. Submit a final survey report within 30 days of completion of all physical work. In addition to items a. through d. above, final survey report shall include a complete assembly of cross sections, quantity calculations and final quantities for all items determined by cross-section surveys.



## SECTION 643

### TRAFFIC MAINTENANCE

Delete Section 643 in its entirety and replace with the following:

**643-1.01 DESCRIPTION.** Protect and control traffic during the contract. Furnish, erect, maintain, replace, clean, move and remove the traffic control devices required to ensure the traveling public's safety. Perform all administrative responsibilities necessary to implement this work.

Maintain all roadways and pedestrian and bicycle facilities affected by the work in a smooth and traversable condition. Construct and maintain approaches, crossings, intersections, and other necessary features throughout the project for the life of the contract.

Illuminate construction activities listed in Table 643-4 during hours of night work on roads open to the public within project limits.

**643-1.02 DEFINITIONS.** These definitions apply only to Section 643.

ATM. When used in this Section, ATM stands for the *Alaska Traffic Manual*, which is comprised of the MUTCD, the Alaska Traffic Manual Supplement, any adopted revisions or interim addenda to either document issued subsequently, and corrections to known errors to either document.

Balloon Light: Light surrounding by a balloon-like enclosure kept inflated by pressurized air or helium, and producing uniform light through 360 horizontal degrees. The top half of the balloon enclosure shall be constructed of an opaque material.

Construction Phasing Plan. A plan for each phase of the project showing how to accommodate traffic.

Fixed Objects. Private vehicles, parked flagger vehicles, idle construction equipment, construction material stockpiles, culvert ends, individual trees, power poles, utility poles and appurtenances, and other items deemed by the Engineer to present a hazard to motorists, pedestrians, or bicyclists traveling through the work zone.

Night Work: Work occurring between sunset and sunrise on all days except the "No Lighting Required" period shown in table 643-1 below:

Table 643-1 Project Locations – Night Time Illumination Exclusion			
Latitude (degrees)	No Lighting Required		Nearby Cities
	Start	End	
South of 61	Lighting Required All Year		Everything South of Valdez
61	June 11	July 1	Valdez

Traffic. The movement of vehicles, pedestrians, and bicyclists through road construction, maintenance operations, utility work, or similar operations.

Traffic Control Plan (TCP). A drawing or drawings indicating the method or scheme for safely guiding and protecting motorists, pedestrians, bicyclists, and workers in a traffic control zone. The TCP depicts the traffic control devices and their placement and times of use.

Traffic Control Zone. A portion of a road construction project, maintenance operation, utility work or similar operation that affects traffic and requires traffic control to safely guide and protect motorists, pedestrians, bicyclists, or workers.

**643-1.03 TRAFFIC CONTROL PLAN.** The TCP includes all items required to direct traffic through or around the traffic control zone for the work described on the TCP according to these Specifications and the ATM. Address placement of traffic control devices, including location, spacing, size, mounting height and type in all TCPs.

When a TCP is included on the Plans, use it, modify it, or design an alternative TCP. When a TCP is omitted from the Plans, provide one according to this Section and the ATM.

Submit all TCPs, including the TCPs provided on the Plans if you intend to use them, to the Engineer for approval. All TCPs shall include the following information:

1. Project name and number.
2. A designated TCP number and name on each page (e.g. TCP #1, Permanent Construction Signs).
3. For TCPs more than one page, number each page (e.g. 1 of 3, 2 of 3, etc.).
4. The posted speed limit for each roadway.
5. Existing striping width, lane width, and road surfacing (e.g. Asphalt).
6. Construction lane widths, striping layout, and temporary pavement marker layout.
7. Minimum available work-zone clear zone width.
8. Provisions for Pedestrian, Bicycle, and ADA travel through the work zone.
9. Dates and times the TCP will be in effect and description of work covered by the TCP. Pay Item numbers may be used to describe the work.
10. The Worksite Traffic Supervisor's signature certifying that all TCPs conform with the ATM and the Contract.
11. The Project Superintendent's signature confirming the TCP is compatible with the work.
12. The name and 24 hour telephone number of the Worksite Traffic Supervisor, Traffic Control Technician, and Project Superintendent.
13. Signs to be used and the Alaska Sign Design Specifications (ASDS) designation number and size.
14. Location and spacing of all devices and signs. Include longitudinal buffer space for the posted speed limit, according to Table 6C-2 of the ATM, unless project conditions or geometric features prohibit including all or a portion of the buffer length.
15. A plan to address any possible slopes, drop offs, paving joints, or similar temporary features that may occur during use of the TCP.
16. For TCPs proposed to be used at night, note how the requirements will be met for the required lighting and retroreflective material.

TCPs submitted for approval without all the required information will be rejected. Allow 7 days for review of each TCP submittal, except for TCPs involving a road closure. For TCPs involving a road closure, allow 14 days for review of the submittal. All required modifications to a TCP require a new submission and an additional 7 days for review.

The TCPs, Plans, and Alaska Standard Plans show the minimum required number of traffic control devices. If unsafe conditions occur, the Engineer may require additional traffic control devices.

Use of oversize and overweight equipment within the project must conform to an approved TCP, including all traffic control devices these operations require.

**643-1.04 WORKSITE TRAFFIC SUPERVISOR.** Provide a Worksite Traffic Supervisor responsible for maintaining 24-hour traffic operations.

1. Qualifications. The Worksite Traffic Supervisor shall be knowledgeable and experienced regarding the requirements of the ATM and the implementation of those requirements. The Worksite Traffic Supervisor shall be familiar with the Plans, the Specifications, proposed operations, and one of the following for the duration of the project:
  - a. Certified as a Traffic Control Supervisor, American Traffic Safety Services Association (ATSSA)

- b. Successfully completed the Traffic Control Supervisor course by ATSSA within the last 4 years and meet the minimum work experience requirements below.
- c. Certified as a Work Zone Temporary Traffic Control Technician, or Work Zone Safety Specialist, International Municipal Signal Association (IMSA).
- d. Certified as a Traffic Control Supervisor, Evergreen Safety Council.
- e. Successfully completed a Traffic Control Supervisor or equivalent course from the Association of General Contractors (AGC) within the last 4 years.
- f. Certified as a Traffic Control Supervisor or equivalent by another state Department of Transportation.

Certify according to Form 25D-124SR that the Worksite Traffic Supervisor meets the minimum hours of temporary traffic control work experience in the table below, is competent and capable, and has the authority to perform the duties and responsibilities in accordance with this section.

- Temporary traffic control work experience shall demonstrate an understanding of concepts, techniques, and practices in the installation and maintenance of traffic control devices, and skill in reading, interpreting, implementing, and modifying TCPs.
- Temporary traffic control work experience includes: flagging; installing traffic control devices in accordance with TCPs; monitoring traffic control devices and TCP performance; and recognizing and reporting deficiencies in traffic control devices and TCPs for correction.
- Temporary traffic control work experience is gained while serving as a Worksite Traffic Supervisor-in-training, temporary traffic control support personnel, and Flagger.
- Up to a maximum of 1000 hours of experience serving as a Flagger may be used in meeting these requirements.

<b>Traffic Control Supervisor Minimum Work Experience</b>	
<b>Published ADT</b>	<b>Minimum Hours</b>
Less than 1,000	6 months (1000 hours)
1,000-4,999	1 year (2000 hours)
5,000-9,999	2 years (4000 hours)
10,000+	4 years (8000hours)

Worksite Traffic Supervisors shall maintain current certification and be able to show their certification anytime they are on the project.

2. Duties.

- a. Prepare the TCPs and public notices and coordinate traffic control.
- b. Physically inspect the condition and position of all traffic control devices used on the project at least twice each day. Schedule inspections at regular 12 hour intervals with an inspection between 8 a.m. and 2 p.m., and an inspection between 8 p.m. and 2 a.m. Ensure traffic control devices work properly, are clean and visible, and conform to the approved TCP. Complete and sign a detailed written report of each inspection within 24 hours. Use Traffic Control Daily Review Form 25D-104.
- c. Supervise the repair or replacement of damaged or missing traffic control devices.
- d. Review and anticipate traffic control needs. Make available proper traffic control devices necessary for safe and efficient traffic movement.
- e. Ensure traffic control is set up for each work zone according to an approved TCP that includes a description of the work occurring in the work zone. Ensure that hazards near the traveled way, including staged equipment, steep embankments, and material stockpiles, are properly delineated, protected, and offset from traffic in conformance with an approved TCP.

- f. Hold traffic safety meetings with superintendents, foremen, subcontractors, and others as appropriate before beginning construction, prior to implementing a new TCP, and as directed. Invite the Engineer to these meetings.
  - g. Supervise all traffic control workers, flaggers, and pilot car drivers.
  - h. Submit a copy of all flagger certifications to the Engineer as required by Subsection 643-3.04.
  - i. Supervise lighting for night work.
  - j. 30 minutes after work ends for the day, drive the project with the Engineer's representative to review the worksite traffic control.
3. **Authority.** The Worksite Traffic Supervisor shall have the Contractor's authority to stop work and implement immediate corrective action to unsafe traffic control, in locations where unsafe traffic control is present.

**643-1.05 CONSTRUCTION PHASING PLAN.** Submit a Construction Phasing Plan for approval no less than 5 working days prior to the preconstruction conference. Include the following:

1. Form 25D-124SR designating the Worksite Traffic Supervisor, providing the 24-hour telephone number, and certifying minimum hours of work experience as described in 643-1.04 Worksite Traffic Supervisor.
2. A construction phasing plan for each phase or segment of the project, satisfying the requirements of subsection 643-3.08.
3. TCPs for the first phase of the project. Show permanent and temporary traffic control measures, including the times each TCP will be used.

Submit any changes to the Engineer for approval 7 days before proposed implementation.

**643-1.06 TRAFFIC MAINTENANCE SETUP.** When shown on the bid schedule, Traffic Maintenance Setup items are site specific and are detailed as individual TCPs on the plan sheets. They depict the method or scheme required to route traffic safely and efficiently when any of the following restrictions occur:

1. Lane Closure. The closure of one or more lanes on a roadway.
2. Detour. The redirection of traffic through or around a traffic control zone.
3. Road Closure. The closure of a roadway with or without a specified detour route.
4. One Lane Road. A two-way roadway reduced to a single-lane roadway with flaggers, pilot cars, traffic signals, stop signs, or yield signs.

**643-1.07 TRAFFIC CONTROL TECHNICIAN.** On projects where the Superintendent is the Worksite Traffic Supervisor, provide a Traffic Control Technician to implement traffic control in the field. On projects where the Superintendent is a different person than the Worksite Traffic Supervisor, a Traffic Control Technician is optional.

1. Qualifications. The Traffic Control Technician shall be knowledgeable and experienced regarding the requirements of the ATM, the implementation of those requirements, and meet the flagging certification requirements of 643-3.04.4.. The Traffic Control Technician shall be familiar with the Plans, the Specifications, your proposed operations, and one of the following for the duration of the project:
  - a. Certified as a Traffic Control Technician, ATSSA
  - b. Successfully completed the Traffic Control Technician course by ATSSA within the last 4 years.
  - c. Certified as a Work Zone Temporary Traffic Control Technician, or Work Zone Safety Specialist, International Municipal Signal Association (IMSA).
  - d. Certified as a Traffic Control Supervisor, Evergreen Safety Council.

- e. Successfully completed a Traffic Control Technician or equivalent course from the Association of General Contractors (AGC) within the last 4 years.
- f. Certified as a Traffic Control Technician or equivalent by another state Department of Transportation.

The Traffic Control Technician shall meet the minimum hours of temporary traffic control work experience in the table below, be competent and capable, and have the authority to perform the duties and responsibilities in accordance with this section.

- Temporary traffic control work experience shall demonstrate an understanding of concepts, techniques, and practices in the installation and maintenance of traffic control devices, and skill in reading, interpreting, and implementing TCPs.
- Temporary traffic control work experience includes: flagging; installing traffic control devices in accordance with TCPs; monitoring traffic control devices and TCP performance; and recognizing and reporting deficiencies in traffic control devices and TCPs for correction.
- Temporary traffic control work experience is gained while serving as a temporary traffic control support personnel or Flagger.
- Up to a maximum of 1000 hours of experience serving as a Flagger may be used in meeting these requirements.

<b>Traffic Control Technician Minimum Work Experience</b>	
<b>Published ADT</b>	<b>Minimum Experience</b>
Less than 1,000	None (0 hours)
1,000-4,999	6 months (1000 hours)
5,000-9,999	1 year (2000 hours)
10,000+	2 years (4000 hours)

Traffic Control Technicians shall maintain current certification and be able to show their certification anytime they are on the project.

2. Duties. At the direction of the Worksite Traffic Supervisor:
  - a. Install traffic control devices required by the TCP being implemented.
  - b. Repair or replace damaged or missing traffic control devices.
  - c. Clean traffic control devices.
  - d. Breakdown and remove traffic control devices when a TCP setup is no longer needed.
  - e. Relieve traffic control workers, flaggers, and pilot car drivers.
  - f. Install lighting for night work.

**643-2.01 MATERIALS.** Provide traffic control devices meeting the following requirements:

1. Signs. Use signs, including sign supports, that conform to Section 615, the ATM, and ASDS. A reflective sheeting warranty is not required.
  - a. Construction Signs: Regulatory, guide, or construction warning signs designated in the ASDS.
  - b. Permanent Construction Signs: As designated on the Plans or an approved TCP.
  - c. Special Construction Signs: All other signs are Special Construction Signs. Neatly mark the size of each sign on its back in 3-inch black numerals.
2. Portable Sign Supports. Use wind-resistant sign supports with no external ballasting. Use sign supports that can vertically support a 48 X 48 inch traffic control sign at the height above the adjacent roadway surface required by the ATM.

3. Barricades and Vertical Panels. Use barricades and vertical panel supports that conform to the ATM. Use Type III Barricades at least 8 feet long. Use retroreflective sheeting that meets ASTM D4956 Type II or III.
4. Portable Barriers. Use portable concrete or steel barriers that conform to the Contract. For each direction of traffic, equip each section of barrier with a continuous 4-inch wide horizontal retroreflective stripe mounted 6 inches below the top of the barrier, or at least two side-mounted retroreflective reflectors. Place the individual reflectors 2 feet or less from each and space at not more than 10 feet apart. Use yellow tabs or stripe when barriers are placed at centerline. Use white tabs or stripe when barriers are placed on the roadway shoulder. Use retroreflective sheeting that meets ASTM D4956 Type III, IV or V.
5. Warning Lights. Use Type A (low intensity flashing), Type B (high intensity flashing) or Type C (steady burn) warning lights that conform to the ATM.
6. Drums. Use plastic drums that conform to the requirements of the ATM. Use retroreflective sheeting that meets ASTM D4956 Type II or III.
7. Traffic Cones and Tubular Markers. Use reflectorized traffic cones and tubular markers that conform to the requirements of the ATM. Use traffic cones and tubular markers at least 28 inches high. Use retroreflective sheeting that meets ASTM D4956 Type II or III.
8. Interim Pavement Markings. Apply markings according to Section 670 and the manufacturer's recommendations. In accordance with 643-3.09, use either:
  - a. Paint meeting Subsection 708-2.03 with glass beads meeting Subsection 712-2.08, or
  - b. Temporary Raised Pavement Markers meeting Subsection 712-2.15 or 712-2.16.
9. High-Level Warning Devices. Use high-level warning devices that conform to the ATM.
10. Temporary Crash Cushions. Use retroreflective sheeting that meets ASTM D4956 Type III, IV or V. Application of crash cushion must be appropriate for the intended use and be installed per manufacturer's recommendation. Temporary crash cushions that are barrels or barricade filled with sand or water are considered nonredirective may only be used when the forecasted temperature during their use is above 32 degrees Fahrenheit.
11. Sequential Arrow Panels. Use Type A (24 X 48 inch), Type B (30 X 60 inch) or Type C (48 X 96 inch) panels that conform to the ATM.
12. Portable Changeable Message Board Signs. Use truck or trailer mounted portable changeable message board signs with a self-contained power supply for the sign and with the following features:
  - a. Message sign panel large enough to display 3 lines of 9 inch high characters
  - b. Eight character display per message line
  - c. Fully programmable message module
  - d. The capacity to create, preview, and display new messages and message sequences
  - e. A waterproof, lockable cover for the controller keyboard
  - f. An operator's manual, a service manual, and a wiring diagram
  - g. Quick release attachments on the display panel cover
  - h. Variable flash and sequence rates
  - i. Manual and automatic dimming capabilities on lamp bulb matrix models
  - j. Locate the bottom of the sign panel at least 7 feet above the pavement
  - k. Operate with a battery pack a minimum of 2 hours under full load
13. Plastic Safety Fence. RESERVED.
14. Temporary Sidewalk Surfacing. Provide temporary sidewalk surfacing as required by an approved TCP and the following:

- a. Use plywood with an anti-slip surface. Use plywood at least 1/2 inch thick for areas continuously supported by subgrade. Use plywood at least 1 inch thick for areas that are not continuously supported, with supports at a maximum spacing of 30 inches.
  - b. Do not exceed a vertical change greater than 1/2 inch, beveled with a slope not steeper than 2:1.
  - c. At curb ramps, do not exceed a slope of 12:1 with the temporary surfacing, and no vertical changes are permitted. At curb ramps, premanufactured ADA compliant curb ramps may be used in lieu of surfaces constructed from aggregate or plywood.
  - d. Use toe boards on each side of temporary surfacing. If the temporary surfacing is at least 1 inch below the level of the curb, the curb will satisfy the requirement for a toe board on that side.
  - e. Use a method that will withstand 70 mph wind velocities to hold temporary surfacing in place.
15. Temporary Guardrail. Use temporary guardrail that meets Section 606, except that posts may require placement under special conditions, such as in frozen ground.
16. Flagger Paddles. Use flagger paddles with 24 inches wide by 24 inches high sign panels, 8 inch Series C lettering (see ASDS for definition of Series C), and otherwise conform to the ATM. Use retroreflective sheeting that meets ASTM D4956 Type VIII or IX. Use background colors of fluorescent orange on one side and red on the other side.
17. Truck Mounted Attenuator, TMA. Use a TMA mounted on a vehicle with a minimum weight of 15,000 pounds and a maximum weight per the manufacturer's recommendations. Meet the crashworthiness requirements of 643-2.02. The TMA shall have an adjustable height so that it can be placed at the correct elevation during usage and to a safe height for transporting. Approach ends of TMAs shall have impact attenuator markings in accordance with the ATM.
18. Portable Chain-Link Fence. Use portable, self-standing, 6 or 8 foot high temporary chain-link fence.
19. Pedestrian Barrier. Use Americans with Disabilities Act (ADA) compliant barrier, meeting the crashworthiness standards in 643-2.02. Install pedestrian barrier in accordance with manufacturer instructions.

**643-2.02 CRASHWORTHINESS.** Temporary Work Zone Devices, including portable barriers, manufactured after December 31, 2019, must have been successfully tested to the 2016 edition of the Manual for Assessing Safety Hardware (MASH). Such devices manufactured on or before this date, and successfully tested to National Cooperative Highway Research Program (NCHRP) Report 350 or the 2009 edition of MASH, may continue to be used throughout their normal service lives.

Submit documentation, by the method indicated on Table 643-2, that the following devices comply with Test Level 3 requirements of NCHRP Report 350 or MASH. Submit documentation of compliance to the Engineer before installing devices on the project.

**Table 643-2  
Work Zone Traffic Control Device and  
Barrier Crash Testing Compliance**

<b>Category</b>	<b>Devices</b>	<b>Devices Manufactured Before Dec. 31, 2019 <sup>1</sup></b>	<b>Devices Manufactured After Dec. 31, 2019 <sup>1</sup></b>	<b>Method of Documentation</b>
1	Low-mass single-piece devices w/o attachments: traffic cones, tubular markers, single piece drums, delineators	NCHRP 350, MASH 2009, or MASH 2016	MASH 2016	Manufacturer's Certification for devices exceeding height and weight limits
2	Category 1 devices with attachments, barricades, portable sign supports, drums w/lights, other devices weighing less than 100 pounds but not included in category 1	NCHRP 350, MASH 2009, or MASH 2016	MASH 2016	FHWA eligibility letter, if available, at Test Level 3 <sup>2</sup> , or DOT&PF eligibility determination
3	Fixed sign supports, truck mounted attenuators, temporary crash cushions, bridge railing, bridge and guardrail transitions, and guardrail and barrier end treatments.	NCHRP 350, MASH 2009, or MASH 2016	MASH 2016	FHWA eligibility letter, if available, at Test Level 3 <sup>2</sup> , or DOT&PF eligibility determination
	Portable concrete and steel barriers	NCHRP 350, MASH 2009, or MASH 2016	MASH 2016	FHWA eligibility letter, if available, at Test Level 3, or DOT&PF eligibility determination, unless otherwise required in the contract.

<sup>1</sup> The Engineer will determine whether a device is in serviceable condition. Serviceable means the device will function equivalent to a new device of the same manufacture.

<sup>2</sup> When no test level is specified in an FHWA Eligibility letter; it is implied that the tests were run for Test Level 3.

In Table 643-2, Category 1 devices that exceed the following weights and heights require certification that they meet the evaluation criteria of NCHRP Report 350 or MASH, Test Level 3. This certification may be a one-page affidavit signed by the vendor. Documentation supporting the certification (crash tests and/or engineering analysis) must be kept on file by the certifying organization. No certification is required for devices less than or equal to both the weight and height on the schedule below:

<b>Device</b>	<b>Composition</b>	<b>Weight</b>	<b>Height</b>
Cones	Rubber	20 lb.	36 in.
	Plastic	20 lb.	48 in.
Candles	Rubber	13 lb.	36 in.
	Plastic	13 lb.	36 in.
Drums	Hi Density Plastic	77 lb.	36 in.
	Lo Density Plastic	77 lb.	36 in.
Delineators	Plastic or Fiberglass	N/A	48 in.

**643-3.01 GENERAL CONSTRUCTION REQUIREMENTS.** Implement an approved TCP before beginning work within the project limits. Keep the work, and portions of the project affected by the work, in good



condition to accommodate traffic safely. Provide and maintain traffic control devices and services inside and outside the project limits, day and night, to guide traffic safely.

Unless otherwise provided in this Section, keep all roadways, business accesses, and pedestrian and bicycle facilities within the project limits open to traffic. Obtain the Engineer's approval before temporarily closing residential, commercial, or street approaches. Provide access through the project for emergency vehicles and school and transit buses. Properly sign and flag all locations where the traveling public must be redirected or stopped. Organize construction operations so the total of all construction related traffic delays experienced by a vehicle traveling through the project does not exceed the limits in 643-3.08. However, this does not imply that you may allow the maximum limit in all cases.

Stop equipment at all points of intersection with the traveling public unless an approved TCP shows otherwise.

Continue to operate all illumination and signalization according to the requirements of Subsection 660-3.09. When moving approach lanes, realign signal heads as necessary according to the ATM. Coordinate any modifications to existing traffic signals with the agency that maintains and operates them. Operate flood lighting at night according to the ATM. Adjust flood lighting so that it does not shine into oncoming traffic.

Provide and maintain safe routes for pedestrians and bicyclists through or around traffic control zones at all times, except when regulations prohibit pedestrians or bicyclists. Where construction activity encroaches onto the safe route in a traffic control zone, station a flagger at the encroachment to assist pedestrians and bicyclists past the construction activity.

Maintain business access(s) during flagging operations.

Immediately notify the Engineer of any traffic related accident that occurs within the project limits as soon as you, an employee, or a subcontractor becomes aware of the accident.

**643-3.02 ROADWAY CHARACTERISTICS DURING CONSTRUCTION.** Obtain an approved TCP before starting construction. Maintain a clear area with at least 2 feet between the edge of traveled way and the work area. Use barricades, traffic cones, or drums to delineate this area. Place traffic control devices on the work side of the clear area. Space them according to the ATM.

If maintaining traffic on an unpaved surface, provide a smooth and even surface that public traffic can use at all times. Properly crown the roadbed surface for drainage. Before beginning other grading operations, place sufficient fill at culverts and bridges to permit traffic to cross smoothly and unimpeded. Use part-width construction techniques when routing traffic through roadway cuts or over embankments under construction. Alternate construction activities from one side to the other. Route traffic over the side opposite the one under construction.

You may detour traffic when the Plans or an approved TCP allows it. Maintain detour routes so that traffic can proceed safely. When detours are no longer required, obliterate the detour. Topsoil and seed appropriate areas.

If two-way traffic cannot be maintained on the existing roadway or detour, you may use half-width construction or a road closure if it is shown on an approved TCP. Make sure the TCP indicates closure duration and conditions. Schedule roadway closures to avoid delaying school buses and peak-hour traffic. For road closures, post closure-start and road-reopen times at the closure site, within view of waiting traffic.

**643-3.03 PUBLIC NOTICE.** Give a copy of all notices to the Engineer 7 days prior to giving notice to the public. Receive the Engineer's approval of the public notice before releasing it to the public. The Engineer will post notices through the Navigator system.

Give notice at least 3 days before major changes, delays, lane restrictions, or road closures. If nearby Post Offices and stores have bulletin boards open to the free use of the public, post notices on the boards. Give notice to local officials and transportation organizations, including but not necessarily limited to:

- Alaska Trucking Association
- Alaska State Troopers
- Division of Measurement Standards
- Local Police Department
- Local Fire Department
- Local Government Traffic Engineer
- School and Transit Authorities
- Local Emergency Medical Services
- Local Media (newspapers, radio, television)
- Railroads (where applicable)
- U.S. Postal Service
- Local garbage collection
- Major tour operators

Provide local traffic enforcement and maintenance agencies notice 3 days and again 24 hours before shutting down a traffic signal system. Provide notice as required by utility companies before repairing or replacing a utility.

Provide the Engineer, Alaska State Troopers, local police and fire department with the radio frequencies used on the project and the 24-hour telephone numbers of the Worksite Traffic Supervisor and the Project Superintendent. Tell them to use these numbers to alert you when emergency vehicles must pass through the project. When notified of emergencies make every necessary effort to expedite rapid passage.

Provide a phone number for the project (Project "Hotline") giving the opportunity for the caller to leave a recorded message. Document and respond to messages within 12 hours when received during business hours, and within 24 hours when received outside of business hours.

**643-3.04 TRAFFIC CONTROL DEVICES.** Before starting construction, erect permanent and temporary traffic control devices required by the approved TCPs. Use traffic control devices only when they are needed. The Engineer will determine advisory speeds when necessary.

For lane closures on multilane roadways, use sequential arrow panels. During hours of darkness when required by the approved TCP use flashing warning lights to mark obstructions or hazards and steady-burn lights for channelization.

Use only one type of traffic control device in a continuous line of delineating devices, unless otherwise noted on an approved TCP. Use drums or Type II barricades for lane drop tapers.

During non-working hours and after completing a particular construction operation, remove all unnecessary traffic control devices. Store all unused traffic control devices in a designated storage area which does not present a nuisance or visual distraction to traffic. If sign panels are post mounted and cannot be readily removed, cover them entirely with either metal or plywood sheeting. Completely cover signal heads with durable material that fully blocks the view of signal head and will not be damaged or removed by weather.

Keep signs, drums, barricades, and other devices clean at all times.

Use only traffic control devices that meet the requirements of the "Acceptable" category in ATSSA (American Traffic Safety Services Association) "Quality Guidelines for Temporary Traffic Control Devices" and meet crashworthiness requirements per Section 643-2.02.

Immediately replace any devices provided under this Section that are lost, stolen, destroyed, inoperable or deemed unacceptable while used on the project. Stock repair parts for each Temporary Crash Cushion used on the project. Repair damaged crash cushions within 24 hours.

Maintain pre-existing roadside safety hardware at an equivalent or better level than existed prior to project implementation until the progress of construction necessitates removing the hardware. All existing hazards that are currently protected with roadside safety hardware or new hazards which result from project improvements shall be protected or delineated as required on the Plans, in the specifications, and approved TCPs until permanent roadside safety hardware is installed. All temporary roadside safety hardware shall meet the crashworthiness requirements of 643-2.02.

All items paid under this Section remain the property of the Contractor unless noted otherwise in the contract. Remove them after completing the project.

1. Embankments. Install portable barrier, plastic drums, barricades, tubular markers, and cones as specified on the Plans or TCPs to delineate open trenches, ditches, other excavations and hazardous areas when they exist along the roadway for more than one continuous work shift.
2. Adjacent Travel Lane Paving. When paving lifts are greater than 2 inches and you cannot finish paving adjacent travel lanes or paved shoulders to the same elevation before the end of the paving shift, install: W8-11 (Uneven Lanes), W8-9 (Low Shoulder), W8-17 (Shoulder Drop-Off), W14-3 (No Passing Zone), R4-1 (Do Not Pass), R4-2 (Pass with Care), and W8-1 (Bump) signs as appropriate. Place additional signs every 1500 feet if the section is longer than 1/2 mile.
3. Fixed objects and construction vehicles and equipment working on or next to the traveled way. Do not park equipment in medians. Locate fixed objects at least 30 feet from the edge of traveled way. Fixed objects that exist prior to construction activity are not subject to this requirement unless the proposed temporary traffic routing moves the edge of traveled way closer to the pre-existing fixed object. Vehicles and other objects within parking lots in urban environments are considered pre-existing fixed objects regardless of whether they are or are not present continuously throughout the day.

When site restrictions, land features, right of way limitations, environmental restrictions, construction phasing, or other construction conditions allow no practicable location meeting the preceding requirements, the Engineer may approve alternate locations for fixed objects. Alternate locations shall be as far as practicable from the edge of traveled way. When the alternate location provides 15 feet or more separation from the edge of traveled way, the Engineer may verbally approve the alternate location. When the alternate location provides less than 15 feet separation, written approval is required.

Use drums or Type II barricades with flashing warning lights, or use portable barriers with temporary crash cushions, as approved by the Engineer, to delineate or shield fixed objects the Engineer determines present an unacceptable hazard.

4. Flagging. Furnish trained and competent flaggers and all necessary equipment, including lighting of the flagging position during nighttime operations, to control traffic through the traffic control zone. The Engineer will approve each flagging operation before it begins and direct adjustments as conditions change.

Use flaggers certified as one of the following:

- a. Work Zone Traffic Control Technician by IMSA (International Municipal Signal Association)
- b. Flagger Certification by ATSSA (American Traffic Safety Services Association)
- c. Traffic Control Supervisor, ATSSA
- d. ATSSA Flagging Instructor
- e. Flagger Certification or Flagger Instructor Certification by Evergreen Safety Council
- f. Flagger certification or equivalent by another state Department of Transportation
- g. Approved equal certification from a minimum 4 hour flagger training course

Flaggers shall maintain current flagger certification. Flaggers shall be able to show their flagger certification anytime they are on the project.

Flaggers shall maintain their assigned flagging location at all times, unless another qualified flagger relieves them, or the approved traffic control plan terminates the flagging requirements. Remove, fully cover, or lay down flagger signs when no flagger is present. Keep the flaggers' area free of encumbrances. Keep the flagger's vehicle well off the roadway and away from the flagging location so the flagger can be easily seen.

Provide approved equipment for two-way radio communications between flaggers when flaggers are not in plain, unobstructed view of each other.

Obtain the Engineer's written approval before flagging signalized intersections. When flagging a signalized intersection turn off and cover the traffic signal. Coordinate turning off or turning on traffic signals with the agency responsible for signal maintenance and operation and the Engineer. Get their written approval in advance. Only uniformed police officers are permitted to direct traffic in an intersection with an operating traffic signal.

5. Pilot Cars. When the Engineer deems one-way traffic necessary, the route through the traffic control zone is particularly hazardous, involved, or frequently altered to preclude adequate signing, you may use pilot cars. Do not use pilot cars to avoid localized traffic control at several locations. Pilot car operators may not control Automated Flagger Assistance Devices while operating a pilot car.

Organize construction operations so the total of all stoppages experienced by a vehicle traveling through a project does not exceed that allowed in 643-3.08. Coordinate multiple pilot-car operations within a project or adjoining projects to minimize inconvenience to the traveling public. Two or more pilot cars may be used to provide two-way traffic through the traffic control zone to reduce the waiting period. The flagger or pilot car operator shall record each pilot car's departure time in a bound field book furnished by the Engineer. Whenever practical, the flagger should tell the motorist the reason for and approximate length of the delay. Make every reasonable effort to yield right-of-way to the public and prevent excessive delay.

Use an automobile or pickup as the pilot car, with your company logo prominently displayed. Equip the pilot car with a two-way radio for contact with flaggers and other pilot cars. Mount a G20-4 sign (Pilot Car Follow Me) on the rear at least 5 feet above the driving surface. Use high intensity flashing strobe lights, oscillating beacons, or rotating beacons on all Pilot Cars. Vehicle hazard warning lights may supplement but are not permitted to be used instead of high intensity flashing strobe lights, oscillating beacons, or rotating beacons. Identify the last vehicle in the column.

When pilot cars are authorized, use them before beginning work and continue until no longer necessary or until you have properly placed and checked functioning of all traffic control devices required for non-working hours.

6. Street Sweeping. Use a street sweeper that collects material to keep the project and affected areas free of loose material. Include paved portions of the roadway within project limits, haul routes open to the public, and sections of roadway outside of the project where your operations have deposited loose material.
7. Watering. Furnish, haul, and place water for dust control and pavement flushing, as directed. Use water trucks that can provide a high-pressure water stream to flush the pavement and a light-water spray to control dust. If the flushing operations contaminate or fill adjacent catch basins, clean and restore them to their original condition. This requirement includes sections of roadway off the project where flushing is required. The Engineer will control water application.

Obtain an Alaska Department of Natural Resources permit for water removal before taking water from a lake, stream, or other natural water body. Comply with the Alaska Department of Fish and Game screening requirements for all water removal operations.

8. Portable Changeable Message Board Signs. Furnish two (2) Portable Changeable Message Board Signs when approved on a TCP. Follow application guidelines in the ATM. Locate Portable Changeable Message Board Signs and incorporate messages as directed by the Engineer and from approved Traffic Control Plans.
9. Truck Mounted Attenuator. TMA. Adjust height to the correct elevation during usage and to a safe height for transporting. Do not use a damaged attenuator. Replace any damaged TMA at no expense to the Department.
10. Traffic Control Vehicles. Use high intensity flashing strobe lights, oscillating beacons, or rotating beacons on vehicles being used to transport and set-up traffic control devices. Vehicle hazard warning lights may supplement but are not permitted to be used instead of high intensity flashing strobe lights, oscillating beacons, or rotating beacons.
11. Guardrail Delineation. Before the end of the shift, delineate areas of removed guardrail as required in 606-3.06 and 606-3.07.

**643-3.05 AUTHORITY OF THE ENGINEER.** When conditions adversely affect the public's safety or convenience, the Contractor will receive an oral notice. A written notice will follow the oral notice according to Subsection 105-1.01. The notice will state the defect(s), the corrective action(s) required, and the time required to complete such action(s). In no case will this time exceed 24 hours. If you fail to take corrective action(s) within the specified time, the Engineer will immediately close down the offending operations until you correct the defect(s). The Engineer may require outside forces to correct unsafe conditions. The cost of work by outside forces will be deducted from any monies due under the terms of this Contract.

**643-3.06 TRAFFIC PRICE ADJUSTMENT.** A Traffic Price Adjustment, under Item 643.0023.0000, will be assessed for unauthorized lane closures or reductions. Unauthorized lane reductions will be assessed as one full lane closure, for each lane reduced without authorization.

Authorized lane closures/reductions are those shown in the Contract, an approved TCP, or authorized in writing.

Unauthorized lane closures/reductions include: work done without an approved TCP; work not done in conformance with the approved TCP, and; non-conforming or out of place traffic control devices. Failure to install temporary crash cushions or barriers, when required according to the Contract or TCP, is also considered an unauthorized lane reduction. The Engineer will make the sole determination whether unauthorized lane reductions or closures are present.

Should unauthorized conditions exist, the Engineer may verbally assess Traffic Price Adjustment liquidated damages at any time. The Engineer will provide written notification of unauthorized conditions within 24 hours of verbally assessing a Traffic Price Adjustment.

Adjustment Rates are listed in Table 643-3. These rates are liquidated damages which represent highway user costs, based on Average Daily Traffic (ADT). The Engineer will use the rate shown for the current seasonal ADT for this project shown on the Plans, or if not shown on the Plans as published in the Regional Traffic Volume Report. The Traffic Price Adjustment will be calculated by multiplying the Adjustment Rate by the number of lanes closed/reduced by the minutes the unauthorized closure/reduction existed.

<b>Table 643-3 Adjustment Rates</b>	
<b>Published ADT</b>	<b>Adjustment Rate</b>
Less than 1,000	\$5
1,000-4,999	\$25
5,000-9,999	\$75
10,000+	\$85

Traffic delays greater than that allowed by 643-3.08 will be considered work not done in conformance with the approved TCP. If the Engineer believes the traffic delays are exceeding the time allowed, they will spot check the time it takes a vehicle to pass through the work. The time will begin when the vehicle being checked joins the queue of vehicles. The time will stop when the vehicle passes the G20-2 End Road Work sign (or the first advanced warning sign for the opposite direction of traffic if the G20-2 sign is not used). The Engineer will then deduct the time it would have taken a vehicle to drive at the posted speed limit. If the resulting time is greater than the delay allowed, the Engineer will continue to spot check vehicles until the delay becomes less than or equal to the delay allowed. The number of minutes for the Traffic Price Adjustment will be calculated from the time the first spot checked vehicle arrived until the time of arrival of the spot checked vehicle that passed through the project within the allowable delay.

**643-3.07 MAINTENANCE OF TRAFFIC DURING SUSPENSION OF WORK.** Approximately one month before suspending work for the season, schedule a preliminary meeting with the Engineer and Maintenance & Operations to outline the anticipated roadway condition and the work expected to be completed before shutdown. Schedule a field review with the Department for winter maintenance acceptance. At the field review the Engineer will prepare a punch list for implementation before acceptance.

To be relieved of winter maintenance responsibility, leave all roads with a paved surface with permanent markings or painted interim pavement markings. Properly crown the roadbed surface for drainage, make drainage structures functional without ponding of water on the travel surface, and install permanent or temporary roadside safety hardware at locations where the existing safety facilities were removed. Make sure all illumination and signals, including vehicle detectors, are in good working order.

After the project is accepted for winter maintenance and until ordered to resume construction operations, the Department is responsible for maintaining the facility. The Department will accept maintenance responsibility only for portions of the work that are open to the public, as determined by the Engineer. The Department will not accept maintenance responsibility for incomplete work adjacent to accepted roads. The Contractor is responsible for maintaining all other portions of the work. The Engineer will issue a letter of "Acceptance for Winter Maintenance" that lists all portions of the work that the Department will maintain during a seasonal work suspension. The Contractor retains all contractually required maintenance responsibilities until receipt of this letter.

If the Contractor suspends work due to unfavorable weather (other than seasonal) or due to failure to correct unsafe conditions, carry out Contract provisions, or carry out the Engineer's orders, all costs for traffic maintenance during the suspended period will be borne by the contractor.

When you resume work, replace or renew any work or materials lost or damaged during temporary use. If the Department caused damage during winter suspension, payment will be made for repairs by unit pay item or in accord with Subsection 109-1.05, Compensation for Extra Work. When the Engineer directs, remove any work or materials used in the temporary maintenance. Complete the project as though work has been continuous.

**643-3.08 CONSTRUCTION PHASING.**

Add the following:

Conduct lane restrictions so that no more than a 10 minute accumulated delay, 40 vehicles, or 1/4 mile (1320 feet) of traffic is detained, whichever occurs first, before releasing the detained motorists. During paving operations, a 20 minute delay, 80 vehicles, or 1/2 mile (2640 feet) of traffic detained, will be allowed for motorists, except school buses. If a queue of traffic develops at a stop, empty the entire queue to the last car that entered the queue at the time the queue was released. Traffic restrictions where the anticipated accumulated stopped delay is more than 10 minutes, if approved, will need to be conducted between 1900 hrs. and 0530 hrs.”

Follow the construction phasing detailed in these provisions, the Special Provisions, and the Plans unless proposing alternative construction phasing that is approved by the Engineer. Alternative construction phasing shall provide the same or less restriction to vehicles, pedestrians, and bicyclists than those detailed in these provisions, the Special Provisions, and the Plans.

Throughout the project, maintain the existing roadway, pedestrian walkway or route, and bicycle route or pathway configuration (such as the number of lanes and their respective widths) except for restrictions to traffic allowed in the Special Provisions or on the Plans, and addressed through approved TCPs. A restriction to traffic is any roadway surface condition, work operation, or traffic control setup that reduces the number of lanes or impedes traffic. Obtain an approved TCP before restricting traffic.

Do not restrict traffic or shut down signals during the times listed below.

1. Around any Holiday (Except for Item 12 in 101-1.03 HOLIDAY):
  - a. If the holiday falls on Sunday, Monday, or Tuesday, from 1200 hrs on the Friday before the holiday to 0300 hrs on the day after the holiday.
  - b. If a holiday falls on Wednesday, from 1200 hrs on the Tuesday before the holiday to 0300 hrs on the Thursday after the holiday.
  - c. If a holiday falls on Thursday, Friday, or Saturday, from 1200 hrs on the day before the holiday to 0300 hrs on the Monday after the holiday.

Obtain the local school van schedule and coordinate work efforts to ensure the school vans are not delayed through the construction zone. Submit a school van coordination plan, as a TCP, to the Engineer for approval before implementing any lane restrictions. Detail how school buses will be accommodated to pass through the work zone without exceeding the above listed delay limits.

**643-3.09 INTERIM PAVEMENT MARKINGS.** Place permanent or interim pavement markings according to this Subsection, details shown on the Plans, approved TCPs, and Parts III and VI of the ATM before opening existing paved roadways, temporary paved roadways, detours, interim paving lifts, and roadways with seal coats and surface treatments for more than one continuous work shift. This work may include restriping the existing roadway before beginning construction, before seasonal suspension, and/or after seasonal suspension.

Remove conflicting pavement markings according to Subsection 670-3.04, Paint Removal.

Maintain all interim pavement markings for the duration of the approved TCP, including reapplication when necessary.

Use only paint as interim pavement markings on existing paved roadways, temporary paved roadways, detours, and interim paving lifts. Paint existing roadway sections that will be opened to traffic during the winter.

Use only temporary raised pavement markers as interim pavement markings on final pavement surfaces. Completely remove and dispose of them when placing the final markings. Completely remove any residual

adhesive that might misguide motorists. Place final pavement markings on finished pavement surfaces before suspending work for the winter.

Phase construction to avoid routing traffic over conflicting markings for more than one continuous workshift. If traffic is routed over conflicting markings during a work shift, delineate the roadway with a complement of warning signs, channelizing devices, and flaggers as required by the ATM.

Use only temporary raised pavement markers as interim markings on seal coat and surface treatment pavements. Install the markers according to the manufacturer's instructions before applying the asphalt surface material and cover coat. Remove the vinyl protective covers after applying the asphalt pavement.

On multicourse surface treatments, install the temporary raised pavement markers after applying the full width of the first layer of cover coat. Install the markers on each day's completed surface before removing the pilot car operations and allowing unescorted traffic on the surface treatment.

**643-3.10 LIGHTING FOR NIGHT WORK.** Illuminate the night work areas according to Table 643-4.

Table 643-4 does not provide a comprehensive list of operations that require lighting. Provide lighting for other operations when necessary.

<b>Table 643-4 Night Work Illumination Equipment and Location Requirements</b>	
<b>Type of Work or Equipment</b>	<b>Lighting Configuration</b>
Paving, Milling, Striping, Pavement Marking Removal, Rumble Strip Installation	At least one machine-mounted balloon light of at least 2000 watts. Provide additional lights or wattage if necessary to provide complete coverage.
Rolling, pavement sweeping	At least 4 sealed beam halogen lamps in the front and four in the back. Each should be at least 55 watts.
Flagging	One balloon light of at least 2000 watts, located within 30 feet of the flagger location. Locate so the flagger and the flagging location are illuminated. Provide additional lights or wattage if necessary to provide complete coverage of the flagging location.
Truck Crossings where haul vehicles cross or enter a road with more than 10,000 ADT, or where the haul vehicle crossing or entering location is controlled by portable traffic signals or flaggers	At least one balloon light of at least 2000 watts, located on the main road on the far right side of the intersection. Locate light within 30 feet of the edge of the side street. If there is a flagger at the crossing, locate the lights or lights so the lighting requirements for Flagging are also satisfied.

Use balloon lighting as the main light sources. Do not use floodlights without prior approval by the Engineer. When approved, install floodlighting in a manner that minimizes glare for motorists, workers, and residents living along the roadway. Locate, aim, louver, and/or shield light sources to reduce glare.

The Engineer shall be the sole judge of when glare is unacceptable, either for traffic or for adjoining residences. When notified of unacceptable glare, modify the lighting system to reduce glare to an acceptable level.

If the Contractor fails to provide required lighting equipment or provides lighting that creates unacceptable glare at any time, the Contractor shall cease the operation that requires illumination until the condition is corrected.



Use lighting equipment in good operating condition and that complies with applicable state and local adopted codes and standards, and AKOSH, NEC, and NEMA requirements.

Provide suitable brackets and hardware to mount lighting fixtures and generators on machines and equipment. Design mountings so lights can be aimed and positioned as necessary to reduce glare. Locate mounting brackets and fixtures so they don't interfere with the equipment operator or overhead structures. Connect fixtures securely in a manner that minimizes vibration.

Ensure ground, trailer, and equipment-mounted light towers or poles are sturdy and freestanding without the aid of guy wires. Towers shall be capable of being moved as necessary to keep pace with the construction operation. Position ground, trailer-mounted towers, and trailers to minimize the risk of being impacted by traffic on the roadway or by construction traffic or equipment.

Raise trailer or equipment mounted lights to maximum height, except do not exceed the clearance required for overhead objects such as overhead signals, overhead signs, trees, aerial utilities, or bridges. Aim and adjust lights to provide the required light levels. Provide uniform illumination on the hopper, auger, and screed areas of pavers. Illuminate the operator's controls on all machines uniformly.

Furnish each side of non-street legal equipment with a minimum of 75 square inches high intensity retroreflective sheeting in each corner, so at least 150 square inches of sheeting is visible from each direction. Provide red sheeting on the rear of the equipment and yellow sheeting elsewhere.

Existing street and highway lighting and conventional vehicle headlights may supplement but do not relieve the Contract requirement to provide lighting for night work, according to the requirements of Table 643-4.

Provide sufficient fuel, spare lamps, spare generators, and qualified personnel to ensure that all required lights operate continuously during nighttime operations. Ensure generators have fuel tanks of sufficient capacity to permit operation of the lighting system for a minimum of 12 hours. In the event of any failure of the lighting system, discontinue the operation that requires illumination until the required level and quality of illumination is restored.

Maintain a supply of at least twenty emergency flares for use in the event of emergency or unanticipated situations. Comply with local noise ordinances.

Install all post-mounted electroliers located within the clear zone, on MASH compliant breakaway bases.

**643-3.11 HIGH VISIBILITY GARMENTS.** Ensure all workers within project limits wear outer garments that are highly visible and comply with the following requirements:

1. Standards. Use high visibility garments conforming to the requirements of ANSI/ISEA 107-2004 or 107-2010, Class 2 for tops or Class E for bottoms, and Level 2 retroreflective material.
2. Labeling. Use garments labeled in conformance with Section 11.2 of ANSI/ISEA 107-2004 or 107-2010.
3. Tops. Wear high visibility vests, jackets, or coverall tops at all times.
4. Bottoms. Wear high visibility pants or coverall bottoms during nighttime work (sunset to sunrise). Employees performing traffic control duties shall wear high visibility pants or coverall bottom at all times.
5. Outer Raingear. Wear raingear tops and bottoms conforming to the requirements of this Subsection 643-3.11.
6. Exceptions. When workers are inside an enclosed compartment of a vehicle, they are not required to wear high visibility garments.
7. Condition. Furnish and maintain all vests, jackets, coveralls, rain gear, hard hats, and other apparel in a neat, clean, and presentable condition. Maintain retroreflective material to Level 2 standards.

Payment for high visibility garments for workers is subsidiary to Traffic Maintenance.

**643-4.01 METHOD OF MEASUREMENT.** Section 109 and as follows. Quantities will not be measured during winter suspension of work.

1. Traffic Maintenance. Calendar Day: Every day shown on the calendar, beginning and ending at midnight. Measurement begins on the day following receipt of the Notice to Proceed or on the first day of work at the project site, whichever is later, and ends on the date of project completion.
2. Traffic Control Device Items. By the number of units of each bid item shown on the bid schedule (or the Traffic Control Rate Schedule, if item 643.0025.0000, Traffic Control, is included in the Contract) that are installed, accepted, and operational. Incomplete or unsatisfactory devices will not be measured. Special Construction Signs are measured by the total area of legend-bearing sign panel, as determined under Subsection 615-4.01. Items measured by the day are for each item per 24-hour period.

Traffic Control Devices used to delineate areas of removed guardrail will not be measured. Traffic Control Devices required to complete permanent pavement markings will not be measured.

3. Traffic Maintenance Setup Items. By each lane closure or one-lane road in place per hour. By each detour or road closure in place per 24-hour period.
4. Portable Barrier. By linear foot placed according to the approved TCPs, for the initial placement and for each subsequent relocation when moved more than 10 feet in any direction.
5. Temporary Crash Cushion. By each acceptable installation.
6. Interim Pavement Marking. By the single-stripe station. A single stripe is a marking or a temporary raised pavement marker 4 inches wide. Wider striping is measured in multiples of 4 inches. Centerline gaps are not deducted from measurements.
7. Flagging and Pilot Car. By the number of approved hours, supported by certified payroll. Flagging done by the Worksite Traffic Supervisor or Traffic Control Technician will not be measured for payment.
8. Street Sweeping. By the number of operated hours, supported by certified payroll and approved by the Engineer.
9. Watering. By the 1,000 gallons (M-Gallon) of water applied. The Engineer may specify measurement by weight or volume. If by weight, convert to gallons at 8.34 pounds per gallon. If by volume, convert to gallons at 7.48 gallons per cubic foot.
10. Traffic Price Adjustment. From the time the unauthorized closure/reduction began until the time it was removed, as determined by the Engineer.
11. Traffic Control. By the units specified in the Special Provisions.
12. Portable Changeable Message Board Sign. By the 24-hour period for each sign, as shown on an approved TCP and displaying an approved message.
13. Plastic Safety Fence. RESERVED.
14. Temporary Sidewalk Surfacing. By the square yard as shown on an approved TCP.
15. Temporary Guardrail. By the linear foot, including end treatments, as shown on an approved TCP.
16. Pedestrian Barrier. By each nominal six foot section, as placed, to protect or channelize pedestrian traffic as shown on an approved TCP. Sections of other lengths will be prorated. Any adjustments in configuration of the pedestrian barrier at the same location that does not result in an increased number

of pedestrian barrier is not measured. Removal and later placement of pedestrian barrier at the same location is not measured.

#### **643-5.01 BASIS OF PAYMENT.**

1. Traffic Maintenance. The contract price includes all resources required to provide the Worksite Traffic Supervisor, Traffic Control Technician, all required TCPs and public notices, the Construction Phasing Plan, and the maintenance of all roadways, approaches, crossings, intersections and pedestrian and bicycle facilities, as required. This item also includes any Traffic Control Devices, Permanent Construction Signs, and Flagging required but not shown on the bid schedule. Traffic control devices, barriers, and crash cushions required to delineate or shield fixed objects will not be measured or paid for separately, but will be subsidiary to Traffic Maintenance.

Items required by the Contract that are not listed on the bid schedule or not included in other items are subsidiary to Item 643.0001.0000 or 643.0002.0000 Traffic Maintenance.

2. Traffic Control Device Items. The contract price includes all resources required to provide, install, maintain, move, and remove the specified devices. Warning lights, high-level warning devices, vertical panels, and sign supports required for traffic control devices are subsidiary.

Traffic control devices, barriers, and crash cushions required to delineate or shield guardrail posts or non-crashworthy ends are subsidiary when required for failure to meet completion timelines in subsection 606-3.01. Traffic Control Devices used to delineate areas of removed guardrail are subsidiary to work under Section 606.

Traffic Control Devices required to complete permanent pavement markings are subsidiary to work under Section 670.

3. Traffic Maintenance Setup Items. Each setup consists of all traffic control devices, flaggers, pilot cars, and subsidiary items necessary to implement the TCP shown on the Plans. Warning lights, high-level warning devices, vertical panels, and sign supports required for traffic control devices are subsidiary.

Construction and obliteration of temporary roadways, when required on the Plans or approved TCP under a traffic maintenance setup item, is paid for under their respective roadway pay items.

When topsoil or seeding is required for detours, payment will be made under Sections 620 and/or 618.

4. Portable Barrier. The contract price includes all resources required to provide, install, maintain, and remove barrier.
5. Temporary Crash Cushion. The contract price includes all resources required to provide, install, maintain, repair, and remove each crash cushion.
6. Interim Pavement Marking. The contract price includes all resources required to provide, install, maintain, and remove the specified markings. Installation of word and symbol markings are subsidiary. The No-Passing Zone signing, described in Subsection 643-3.04, is subsidiary.

Interim Pavement Marking is paid under Pay Item 643.0031.0000.

7. Flagging and Pilot Car. Payment includes all required labor, vehicles, radios, flagger paddles and pilot car signs, and transportation to and from the worksite. Work done by the Worksite Traffic Supervisor or Traffic Control Technician is subsidiary to Traffic Maintenance. Payment for item 643.0032.0000, Flagging will be paid on a contingent sum basis at the rate of \$58.00/hour. A change order/directive is not required for the flagging pay item.

8. Street Sweeping. The contract price includes all resources required to keep the roadway free of loose material. Sweeping haul routes is subsidiary to Traffic Maintenance. Sweeping with equipment that does not collect the material is subsidiary to Traffic Maintenance.
9. Watering. The contract price includes all resources required to provide watering, as directed. Watering haul routes is subsidiary to Traffic Maintenance.
10. Traffic Price Adjustment. If Item 643.0023.0000, Traffic Price Adjustment, is shown on the bid schedule, the total value of this contract will be adjusted, for unauthorized lane reductions or closures, at the rates listed in Table 643-3.
11. Traffic Control. If item 643.0025.0000 Traffic Control appears in the bid schedule, payment will be made at the unit rate value contained in Table 643-5 for the accepted units of traffic control devices.
12. Portable Changeable Message Board Sign. The contract price includes all resources required to furnish, move, and operate the sign.

Portable Changeable Message Board Signs required on the Plans for Permanent Construction Signing will be paid for under Item 643.0003.0000 Permanent Construction Signs. Additional portable changeable message board signs will be paid for under 643.0025.0000 Traffic Control.

13. Plastic Safety Fence. RESERVED.
14. Temporary Sidewalk Surfacing. The contract price includes all resources required to construct, maintain, and remove the surfacing.
15. Temporary Guardrail. The contract price includes all resources required to construct, maintain, and remove the guardrail.
17. Lighting for Night Work. Payment for illuminating night work areas and any required adjustments to work zone illumination is subsidiary to Traffic Maintenance.

<b>Table 643-5 643.0025.0000 Traffic Control Rate Schedule 03/2019</b>		
<b>Traffic Control Device</b>	<b>Pay Unit</b>	<b>Unit Rate</b>
Construction Signs	Each/Day	\$6.50
Special Construction Signs	Square Foot	\$28.00
Type II Barricade	Each/Day	\$3.30
Type III Barricade	Each/Day	\$11.00
Traffic Cone or Tubular Marker	Each/Day	\$1.10
Drums	Each/Day	\$3.30
Temporary Guardrail	Linear Foot	\$25.00
Portable Barrier	Linear Foot	\$8.00
Temporary Crash Cushion / non-redirective Water filled barrier (all required per end)	Each	\$2,500.00
Temporary Crash Cushion / non-redirective Water filled Barrels (all required per end)	Each	\$3,285.00
Temporary Crash Cushion / non-redirective Sand filled Barrels (all required per end)	Each	\$4,325.00
Temporary Crash Cushion / Redirective	Each	\$9,230.00
Temporary Sidewalk Surfacing	Square Foot	\$2.00
Portable Chain-Link Fence	Linear Foot	\$5.00
Pedestrian Barrier (Per 6' nominal length, or \$1/LF for alternate lengths)	Each	\$6.00
Flexible Markers (Flat Whip, Reflective)	Each	\$60.00
<b>Electronic Boards, Panels, and Signals</b>		
Sequential Arrow Panel	Each/Day	\$36.00
Portable Changeable Message Board Sign	Each/Day	\$130.00
<b>Cars and Trucks w/driver</b>		
Pilot Car	Hour	\$72.00
Watering Truck – up to 4900 gallon capacity	M-Gallon	\$28.00
Watering Truck – more than 4900 gallon capacity	M-Gallon	\$21.00
Street Sweeping (Regenerative Sweeper, Vacuum Sweeper, Mechanical or Power Broom with vacuum)	Hour	\$214.00
40,000 GVW Truck with Crash Attenuator	Hour	\$162.00

Payment will be made under:

Pay Item	Pay Unit
643.0001.0000 Traffic Maintenance	Calendar Day
643.0002.0000 Traffic Maintenance	Lump Sum
643.0003.0000 Permanent Construction Signs	Lump Sum
643.0004.0000 Construction Sign	Day
643.0005.0000 Type II Barricade	Day
643.0006.0000 Type III Barricade	Day
643.0007.0000 Traffic Cone/Tubular Marker	Day
643.0009.0000 Drum	Day
643.0010.0000 Sequential Arrow Panel, Type C	Day
643.0011.0000 Special Construction Signs	Square Foot
643.0013.0000 Temporary Crash Cushion	Each
643.0014.0000 Interim Pavement Marking	Station
643.0016.0000 Pilot Car	Hour
643.0017.0000 Street Sweeping	Hour
643.0018.0000 Watering	M-Gallon
643.0019.0000 Lane Closure	Hour
643.0020.0000 Detour	Day
643.0021.0000 Road Closure	Day
643.0022.0000 One Lane Road	Hour
643.0023.0000 Traffic Price Adjustment	Contingent Sum
643.0024.0000 Portable Changeable Message Board Sign	Day
643.0025.0000 Traffic Control	Contingent Sum
643.0026.0000 Temporary Sidewalk Surfacing	Square Yard
643.0027.0000 Temporary Guardrail	Linear Foot
643.0032.0000 Flagging	Contingent Sum
643.2018.0000 Portable Barrier	Linear Foot
643.2027.0000 Pedestrian Barrier	Linear Foot

Add the following:

Conduct lane restrictions so that no more than a 10 minute accumulated delay, 40 vehicles, or 1/4 mile (1320 feet) of traffic is detained, whichever occurs first, before releasing the detained motorists. During paving operations, a 20 minute delay, 80 vehicles, or 1/2 mile (2640 feet) of traffic detained, will be allowed for motorists, except school vans. If a queue of traffic develops at a stop, empty the entire queue to the last car that entered the queue at the time the queue was released.

**643-3.03 PUBLIC NOTICE.** Add the following: Send a mailer to houses and businesses along the project. Include a description of the project, a basic timeline, the project hotline, and an email address for people to contact to sign up for an email list. Send updates on construction to the email list weekly and at major changes.

## SECTION 644

### SERVICES TO BE FURNISHED BY THE CONTRACTOR

**644-2.01 FIELD OFFICE.** Replace the 2<sup>nd</sup> paragraph with: Furnish two private telephone lines and telephones for the exclusive use of the Engineer. Provide internet connection with all necessary ancillary equipment.

Replace the 1<sup>st</sup> sentence of the 3<sup>rd</sup> paragraph with: The internet system shall have a send and receive capability supporting 10.0 Mbps download speed or higher and 2.0 Mbps upload speed or higher at all times.

Replace the first sentence of the 7th paragraph with: Provide adequate parking for a minimum of 2 vehicles, including one designated handicap parking space.

### SR STANDARD MODIFICATION

**644-2.05 VEHICLES.** Add the following to the 2<sup>nd</sup> paragraph: All Contractor furnished vehicles shall have current registration in the State of Alaska and shall not have any Contractor identification or markings on the exterior of the vehicle. Equip vehicles with light beacon or light bar (roof mounted, amber color, meeting SAE J845 Class 1 or Class 2), a 2.5 pound ABC fire extinguisher (inspected within the last year), and a first aid kit (meeting ANSI/ISEA Z308.1, Class A, Type IV).

**SRM-26            02/26/2020**

### STANDARD MODIFICATION

**644-2.05 VEHICLES.** Replace the third paragraph of this subsection with the following: You are responsible for normal wear and tear, and any other incidental damage including broken windshields, occurring during the Department's operation and use. The State of Alaska is responsible for damage to any vehicle caused by its own negligent operation.

**HSM20-15        11/30/2020**

**644-2.05 VEHICLES.** Replace the last sentence of the 2<sup>nd</sup> paragraph with the following: Provide 3 four-door full size four-wheel drive pickup with extended cab with back seats or sport utility vehicle.

**644-2.01 FIELD OFFICE.** Delete the 2<sup>nd</sup>, 3<sup>rd</sup>, and 6<sup>th</sup> paragraphs and replace with: Provide engineering communication services to the field office, per Subsection 644-2.08.

Add the following new subsection:

**644-2.08 ENGINEERING COMMUNICATIONS.** Engineering Communications, minimum service includes:

- Two private telephone lines and telephones equipped with "Caller ID" for the exclusive use of the Engineer (different phone numbers for each line).
- Internet communication with send and receive data capability supporting 10MB per second or higher data transfer rate.

**644-5.01 BASIS OF PAYMENT** Add the following:

Pay Item 644.2004.0000 Engineering Communications. Usage services including long distance calls made by State personnel and the Internet service provider will be reimbursed by the State. Payment for communication usage services shall be based on paid receipts to the service provider plus 15%.

Connection fees (initial connection), local calls, providing equipment, and disconnection (cancellation) are subsidiary to Pay Item 644.0001.0000 Field Office and as such are paid by the Contractor.

Payment will be made under:

Pay Item	Pay Unit
644.2004.0000 Engineering Communications	Contingent Sum

**644-1.01 DESCRIPTION.** Add the following:

Provide services for a Department furnished field office trailer and field laboratory including mobilization, demobilization, internet, utilities and other services.

**644-2.01 FIELD OFFICE.** Replace this subsection with the following:

Provide project office trailer-

- Relocate the office trailer to a suitable office location within project limits or at the same location as the Contractor's construction office for the Engineer to use during construction.
- The relocation of the office trailer shall include all requirements to disconnect existing power and reconnect with adequate 120-volt, 60-Hz power. The office trailer has a 200-Amp breaker.
- Provide an entrance ramp to the office trailer. Make the ramp accessible according to the requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG).
- Provide the field office location with sanitary facilities.
- Provide weekly janitorial service, consisting of emptying trash receptacles and cleaning sanitary facilities.
- Provide engineering communication services to the field office, per subsection 644-2.08.
- Provide adequate parking for a minimum of 3 vehicles, including one designated handicap parking space.
- Provide power for the project duration.

Make the field office available for occupancy 2 weeks before commencing work on the project and one week after project completion.

**644-2.02 FIELD LABORATORY.** Delete item 2 and replace with the following:

2. Provide project laboratory trailer.

- Relocate the laboratory trailer to a suitable location adjacent to the Field Office.
- The relocation of the laboratory trailer shall include all requirements to disconnect existing power and reconnect with adequate 120/240-volt, 60-Hz power. The laboratory has a mounted Leviton SCM4100B12W 100 amp 125/250VAC inlet.
- Provide a 500-gallon capacity water tank with a pressure pump, or a commercial pressurized water system.
- Trailer shall be is 10 feet by 35 feet, or larger.
- Provide power for the project duration.

Add the following new subsection:

**644-2.08 ENGINEERING COMMUNICATIONS.** Engineering Communications, minimum service includes:

- Two private telephone lines and telephones for the exclusive use of the Engineer.
- Internet communication with send and receive data capability supporting 10 Mb per second or higher data transfer rate.

**644-5.01 BASIS OF PAYMENT.** Add the following:

Providing water for the field laboratory is subsidiary to Item 644.0002.0000 Field Laboratory.

Pay Item 644.2004.0000 Engineering Communications. Usage services including long distance calls made by State personnel and the Internet service provider will be reimbursed by the State. Payment for communication usage services shall be based on paid receipts to the service provider plus 15%.



Connection fees (initial connection), local calls, providing equipment, and disconnection (cancellation) are subsidiary to Pay Item 644.0001.0000 Field Office and as such are paid by the Contractor.

Add the following Pay Item:

Pay Item	Pay Unit
644.2004.0000 Engineering Communications	Contingent Sum

Add the following subsection:

#### **644-20.01 WEB-BASED SUBMITTAL REQUIREMENTS**

1. General. Submit all documents required by the Contract in Portable Document Format (PDF) using a web-based submittal service designed specifically for transmitting submittals between all Contract parties.

Provide the web-based service for use by the Department for a continuous period of at least 30 months.

2. Web-based Service Provider. Use a web-based service for electronic construction submittals:

a. Hosted independently on a web-based system designed for automated tracking, storage, and distribution of contract documents, Requests For Information (RFIs), and other contract related documents;

b. Utilizing 256-bit Secure Sockets Layer (SSL) encryption and hosted at data centers compliant with the American Institute of Certified Public Accountant's Statement on Standards for Attestation Engagements (SSAE) No. 16;

c. Having a minimum of five years documented experience of use on a minimum of five hundred governmental, public-entity, or private sector projects each of \$1 million construction value or greater;

d. Having a minimum of five years documented 99.5% website uptime;

e. Providing unlimited individual user accounts and system access for all parties to the Contract, with no additional fees for those parties to access the system.

f. Providing separate locations for the Department's review comments discretely kept and restricted from the Contractor's viewing until final review is released by the Engineer.

g. Capable of full version histories and dates of exchanges automatically tracked and available for viewing, searching, and reporting in a linear log format.

h. Capable of grouping submittals as required packages and apply forms and review comments to entire package simultaneously.

i. Having functionality for integrated online PDF viewing and review, including graphical markups and stamps without need for additional software purchase.

j. Having automatic, configurable email notifications for each project team member for new and reviewed submittals and other items.

k. Having automatic, configurable email reminders of past due items.

l. Having customized, automated PDF form generation for submittals, RFIs, and other documents

matching standard templates used by owner, design consultants, sub-consultants, and general contractor. Documentation and demonstration of automatic form generation using each entity's templates must be submitted as part of any substitution request.

3. Training and Technical Support. Arrange for training administered by the web-based service provider regarding use of the website and PDF submittals. Provide a minimum one-hour live web meeting training session for the Department staff prior to starting the work as defined in Subsection 101-1.03 Work context (b). Make available a minimum thirty-minute live web meeting training sessions for the Department at least twice weekly until project completion is reached. Provide access for the Department to live technical support by phone and email a minimum of 7 AM to 3PM AKST on standard business days.

4. Submittal Procedure. Create a submittal log for all documents required by the Contract within the web-based service's interface by inserting required submittals listed in individual specification sections. Allow the Department full control over required items list and access to edit, add, or remove items during the Project. Review and apply an electronic stamp certifying that the submittal complies with the requirements of the Contract Documents.

Transmit each submittal to the Engineer according to Subsection 106-1.08 through the web-based service in PDF format.

The Engineer will review submittals according to Subsection 106-1.08 and return each submittal to the Contractor by means of the web-based service. The web-based service will email notice of completed review to the Contractor.

Submit paper copies of documents not received electronically by the Department prior to project completion.

No more than 14 days after reaching project completion, provide:

1. four archival discs that include all documents and tracking logs; and,
2. access to download this information from the web-based service in a single complete archive package.

**644-5.01 METHOD OF MEASUREMENT.** *Add the following:*

Web-based Submittal. Includes all resources required to provide the web-based service, Costs for initial setup, monthly subscription, data storage, training, and technical support are included in this item.

Payment will be made under: *Add the following item:*

<b>Pay Item</b>	<b>Pay Unit</b>
644.2008.0000 Web-Based Submittal	Lump Sum

## STATEWIDE SPECIAL PROVISION

Add the following:

### SECTION 645

#### TRAINING PROGRAM

**645-1.01 DESCRIPTION.** This Statewide Special Provision for on-the-job training (OJT) implements 23 CFR 230, Subpart A, Appendix B.

As part of the Equal Employment Opportunity Affirmative Action Program, the Contractor shall provide on-the-job training aimed at developing full journey status in the type of trade or job classification involved. The number of individuals to be trained and the number of hours of training to be provided under this contract will be as shown on the bid schedule.

**645-2.01 OBJECTIVE.** Training and upgrading of minorities and women toward journey status is the primary objective of this program. The Contractor shall enroll minorities and/or women, where possible, and document good faith efforts prior to the hire of non-minority males in order to demonstrate compliance with this Training Special Provision. Specific good faith efforts required under this Section for the recruitment and employment of minorities and women are found in the Federal EEO Bid Conditions, Form 25A-301.

**645-3.01 GENERAL.** The Contractor shall determine the distribution of the required number of apprentices/trainees and the required number of hours of training among the various work classifications based upon the type of work to be performed, the size of the workforce in each trade or job classification, and the shortage of minority and female journey workers within a reasonable area of recruitment.

Training will be provided in the skilled construction crafts unless the Contractor can establish prior to contract award that training in the skilled classifications is not possible on a project; if so, the Department may then approve training either in lower level management positions such as office engineers, estimators, and timekeepers, where the training is oriented toward construction applications, or in the unskilled classifications, provided that significant and meaningful training can be provided. Some offsite training is permissible as long as the training is an integral part of an approved training program and does not comprise a significant part of the overall training.

Credit for offsite training hours indicated above may only be made to the Contractor where the apprentices/trainees are concurrently employed on the project and the Contractor does one or more of the following: contributes to the cost of the training, provides the instruction to the apprentice/trainee, or pays the apprentice's/trainee's wages during the offsite training period.

Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.

Prior to award of the contract, the Contractor shall submit Form 25A-311, Training Utilization Report, indicating the training program to be used, the number of apprentices/trainees to be trained in each selected classification, the number of hours of training to be provided, and the anticipated starting time for training in each of the classifications.

Training must begin within 2 weeks of the anticipated start date(s); unless otherwise authorized by a Directive. Such authorization will be made only after submission of documentation by the Contractor, and approval by the Engineer, of efforts made in good faith which substantiate the necessity for a change.

Contractors may use a training program approved by the U.S. Department of Labor, Office of Apprenticeship (USDOL/OA); or one developed by the Contractor using Form 25A-310 and approved prior to contract award by the OJT Coordinator in the DOT&PF Civil Rights Office.

The minimum length and type of training for each classification will be established in the training program selected by the Contractor. Training program approval by the Department for use under this section is on a project by project basis.

It is expected that each apprentice/trainee will begin training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project as long as training opportunities exist or until training has been completed. It is not required that apprentices/trainees be continuously employed for the duration of the contract.

If, in the judgment of the Contractor, an apprentice/trainee becomes proficient enough to qualify as a journey worker before the end of the prescribed training period and the Contractor employs that individual as a journey worker in that classification for as long as work in that area remains, the individual's training program will be considered completed and the balance of training hours required for that apprentice/trainee shall be waived.

The Contractor shall furnish each ADOT&PF training program trainee a copy of the program (Form 25A-310) to be followed during training on the project, and with a written certification showing the type and length of training completed on the project. Existing USDOL/OA apprentices should already have a copy of their program. No employee shall be employed for credit as an apprentice/trainee in a classification in which that employee has previously worked at journey status or has previously completed a training course leading to journey status.

The Contractor shall periodically review the training and promotion potential of minority and women employees and shall encourage eligible employees to apply for such training and promotion.

The Contractor shall provide for the maintenance of records and the furnishing of periodic reports documenting the progress of each apprentice/trainee. The Contractor must submit Form 25A-313 by the 15th of each month and provide each ADOT&PF trainee written evaluation reports for each unit of training provided as established on Form 25A-310.

**645-3.02 WAGES.** Trainees in ADOT&PF approved training programs will be paid prevailing Davis-Bacon fringe benefits plus at least 60 (but less than 100) percent of the appropriate minimum journey rate specified in the contract for the first half of the training period, at least 75 (but less than 100) percent for the third quarter of the training period, and at least 90 (but less than 100) percent for the last quarter of the training period. Trainee wages shall be identified on Form 25A-310. Apprentices in USDOL/OA training programs shall be paid in accordance with their approved program. Beginning wages of each trainee/apprentice enrolled in a Section 645 Training Program on the project shall be identified on Form 25A-312.

**645-3.03 SUBCONTRACTS.** In the event the Contractor subcontracts a portion of the work, he shall determine how many, if any, of the apprentices/trainees are to be trained by the subcontractor. Any such subcontracts shall include this Section 645, Form 25A-311 and Form 25A-310, where appropriate. However, the responsibility for meeting these training requirements remains with the Contractor; compliance or non-compliance with these provisions rests with the Contractor and sanctions and/or damages, if any, shall be applied to the Contractor in accordance with subsection 645-5.01, Basis of Payment.

**645-4.01 METHOD OF MEASUREMENT.** The Contractor will be credited for each approved apprentice/trainee employed on the project and reimbursed on the basis of hours worked, as listed in the certified payrolls. There shall be no credit for training provided under this section prior to the Contractor's submittal and approval by the Engineer of Form 25A-312 for each apprentice/trainee trained under this Section. Upon completion of each individual training program, no further measurement for payment shall be made.

**645-5.01 BASIS OF PAYMENT.** Payment will be made at the contract unit price for each hour of training credited. Where a trainee or apprentice, at the discretion of the Contractor, graduates early and is employed

as a journey worker in accordance with the provisions of Subsection 645-3.01, the Contractor will receive payment only for those hours of training actually provided.

This payment will be made regardless of any other training program funds the Contractor may receive, unless such other funding sources specifically prohibit the Contractor from receiving other reimbursement.

Payment for training in excess of the number of hours specified on the approved Form 25A-311 may be made only when approved by the Engineer through Change Order.

Non-compliance with these specifications shall result in the withholding of progress payments until good faith efforts documentation has been submitted and acceptable remedial action has been taken.

Payment will be at the end of the project following the completion of all training programs approved for the project. No payment or partial payment will be made to the Contractor if he fails to do any of the following and where such failure indicates a lack of good faith in meeting these requirements:

1. provide the required hours of training (as shown in the Bid Schedule and approved Form 25A-311),
2. train the required number of trainees/apprentices in each training program (as shown in the Bid Schedule and approved Form 25A-311), or
3. hire the apprentice/trainee as a journey worker in that classification upon completion of the training program for as long as work in that area remains.

Failure to provide the required training damages the effectiveness and integrity of this affirmative action program and thwarts the Department's federal mandate to bring women and minorities into the construction industry. Although precise damages to the program are impractical to calculate, they are at a minimum, equivalent to the loss to the individuals who were the intended beneficiaries of the program. Therefore, where the Contractor has failed, by the end of the project, to provide the required number of hours of training and has failed to submit acceptable good faith efforts documentation which establishes why he was unable to do so, the Contractor will be assessed an amount equal to the following damages to be deducted from the final progress payment:

Number of hours of training not provided, times the journey worker hourly scale plus benefits.  
The journey worker scale is that for the classification identified in the approved programs.

Payment will be made under:

Pay Item	Pay Unit
645.0001.0000 Training Program, 2 Trainees/Apprentices	Labor Hour

**HSP20-2      11/30/2020**

**STATEWIDE SPECIAL PROVISION**

Add new Section 651:

**SECTION 651**

**WORK BY OTHERS**

**651-1.01 DESCRIPTION.** Coordinate construction schedule and phasing according to Section 105.

**651-3.01 DESCRIPTION OF WORK AND SCHEDULE.** Adjust schedule and phasing as necessary to allow utility owners, their contractors, and other third party entities to complete their work on or before the completion date given in the utility relocation agreement or as identified in Table 651-1 for utility relocation work.

**TABLE 651-1**

Utility Type	Utility Company	Agreement Completion Date
Power	KPU Public Utilities	N/A
Telecom	GCI	N/A
Telecom	KPU Telecommunications	N/A

Utility relocation agreement plans are available for inspection by making arrangements with the contact for pre-bid information, as listed on the Invitation for Bids.

**651-3.02 CONTACT INFORMATION.**

**TABLE 651-2**

Company Name	KPU Public Utilities, Electric Division
Company Address	1065 Fair Street, Ketchikan, Alaska 99901
Primary Contact Person	Mark Adams (Electric Operations Manager)
Primary Contact Phone	(907) 225-5505
Secondary Contact Phone	(907) 247-0755
Primary Contact Email	MarkA@City.Ketchikan.Ak.Us
Company Name	Ketchikan Gateway Borough, Public Works Department
Company Address	1900 First Ave. Ste. 219, Ketchikan, AK 99901
Primary Contact Person	Morgan K. Barry (Acting Public Works Director)
Primary Contact Phone	(907) 228-6664
Secondary Contact Phone	
Primary Contact Email	morganb@kgbak.us

Company Name	GCI
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Company Address	8390 Airport Blvd Ste #100, Juneau, Alaska 99801
Primary Contact Person	Juneau, Alaska 99801
Primary Contact Phone	(907) 342-7941
Secondary Contact Phone	(907) 723-3256
Primary Contact Email	ehardon@gci.com
Company Name	KPU Telecommunications
Company Address	
Primary Contact Person	Jacob Schultz (OSP Engineer)
Primary Contact Phone	(907) 228-5465
Secondary Contact Phone	(907) 254-9766
Primary Contact Email	jacobs2@ktn-ak.us

**SSP-9 01/01/2016**

## SECTION 660

### SIGNALS AND LIGHTING

#### STANDARD MODIFICATION

**660-3.04 JUNCTION BOXES.** *Replace item 1. of the seventh paragraph of this subsection with the following:*

1. 300 feet maximum for any conduit run containing either:
  - a. One single cable, plus one bare or insulated equipment grounding conductor (EGC); or
  - b. 2 or fewer single pair No. 12 AWG (or smaller) loop lead-in cables, plus one bare or insulated EGC.

**HSM20-16      11/30/2020**

*Add the following Subsection:*

**660-1.03 TEMPORARY SIGNAL & LIGHTING SYSTEMS.** Provide, install, and maintain a temporary traffic signal system and roadway lighting system for the locations shown on the Plans. Move traffic through the work zone with a fully functional traffic signal except during shutdowns to change the work zone; or when using Flaggers. The Engineer will limit temporary signal systems shutdowns to periods during normal working hours as specified in Section 643. During these shutdowns, use flaggers to control the flow of traffic.

Submit a Temporary Traffic Signal System Plan to the Engineer for approval before implementation. Include the following:

1. A material submittal for the temporary signal which includes catalog cuts of the signal system, controller, conflict monitor, preemption unit, signal heads, and power source.
2. A TCP that includes location of the temporary signals, all lanes, their widths, traffic control devices, signs, and appropriate notes for operation. The TCP may include portions of the TCP found in the plans which the contractor plans to implement.
3. A signal timing plan that includes cycle length and phase timing which takes into account work zone length, vehicle speed through the work zone, and projected queue lengths. Include calculations and traffic data to substantiate the plan.

Submit a Temporary Roadway Lighting System Plan to the Engineer for approval before implementation. Include the following:

1. A material submittal for the lighting system which includes catalog cuts of the lighting system, fixtures, controller, circuit, power source, etc.
2. Site plans showing the proposed locations of the temporary light fixtures and relative heights above grade.
3. Include site lighting calculations based on the proposed temporary system.

*Add the following Subsection:*



**660-2.01 MATERIALS.** Add the following:

Anchor Bolts

Subsection 740-2.02

1. Equipment List(s) and Drawings. Add the following to the end of the first paragraph: Include certification from the suppliers for all steel products incorporated into the signal and lighting items indicating origin in accordance with Subsection 106-1.01.

**660-2.02 TEMPORARY TRAFFIC SIGNAL.** Furnish and install all materials and miscellaneous hardware required for a functional traffic signal system.

The temporary traffic signal systems shall have these minimum features:

a. One signal at either end of the work zone. Each signal shall have 2 signal heads, one of which is overhead, mounted at least 17.5' over the roadway. Signal heads shall have 12" displays and have back plates and visors. The signals shall be controlled both from a signal control unit and interconnected with either cable or wireless technology. If cable is used it shall not contain splices.

b. A standard signal controller. This means either a NEMA TS-1 or TS-2, 190 controller, or a 2090 controller. If the supplier offers an option, use NEMA TS-1. The traffic signal controller shall be operable in fixed time, preemption, and manual override modes.

c. Conflict monitor.

d. A power source that supplies power without interruption for the full course of the work.

The traffic signal control equipment shall have the following minimum control capability:

a. A fixed green interval adjustable from 0 to 60 seconds in 1-second increments.

b. A 3 second minimum yellow change interval shall follow each green interval.

c. An all-red clearance interval shall follow each yellow change interval. The all-red clearance interval shall permit a vehicle to travel the length of the one-way lane before a green indication is shown to opposing traffic. The all-red interval shall be adjustable from 0 to 420 seconds in 1-second increments.

d. A means of protecting against green-green; yellow-green; yellow-yellow conflicts. If conflict is detected the signals shall go into flashing mode of operation with flashing red signal displays at each end of the one-lane section.

**660-3.01 GENERAL.**

**1. Scheduling of Work.** Add the following to the end of the paragraph: All the new street lighting work must be connected, completed, and energized prior to beginning the demolition of the existing overhead street lighting. Project work must be scheduled and phased in such a way to allow the new underground construction to be complete and operational prior to demolition of the overhead street lighting systems. Provide detailed phasing plans for review and approval by the Engineer prior to commencement of construction activities.

**2. Safety Precautions.** Add the following to the end of the paragraph: Before starting on street lighting cutover work associated with the overhead distribution, coordinate with the utility company to deenergize the system by opening disconnect switches, and tagging each opened device as detailed in Part 4, Section 44, Article 440 of NESC.

**3. Excavating and Backfilling.** Delete the sentences:

Excavate trenches for installing rigid metal conduit to a depth 6 inches below the bottom of the rigid metal conduit. Embed conduit between two 6-inch lifts of material that are free of rocks exceeding a 1-inch maximum dimension.

Replace with the following:

Built up roadway and site surface depths are shallow. Excavate the trenches for installing Schedule 80 HDPE conduit to a depth 6 inches below the bottom of the HDPE conduit. Embed conduit within D-1 material and overlay top of trench with 4" slab of concrete. Include layers of filter fabric trench liner at bottom and sides of trench around conduits. Concrete to cover trench end to end and at a width 6" beyond all trench edges. See trench details in the Plans.

**3. Excavating and Backfilling:** Delete the sentence: Backfill excavations according to Section 204. Replace it with: Bedding and backfill for excavations shall be according to Section 204 unless noted otherwise on the plans.

**660-3.03 CONDUIT.** Replace the first paragraph with the following: Install all electrical conductors, cables, and circuits in conduit. Use Schedule 80 HDPE conduit for all underground conduits, except where noted on the plans and below. For aboveground conduit risers, use galvanized conduit and fittings that are rigid metal type and manufactured for mild steel or wrought iron. See Plans for more on HDPE conduit material and installation requirement.

**660-3.03 CONDUIT.** Replace Paragraph No. 5 with the following:

5. Built up roadway and site surface depths are shallow. Bury conduit below finished grade at a sufficient depth allowing for a 4" concrete cap above, warning tape, and new roadway subgrade and surface per civil requirements. See trench details in the Plans. See Subsection 660-3.01.3 for backfill requirements.

**660-3.05 WIRING.** Add the following paragraph:

19. Conductors shall be copper with type XHHW-2 insulation.

Add the following Subsection:

**660-3.11 TEMPORARY SIGNAL OPERATION.** Install and operate signals in accordance with the requirements of Part IV of the Alaska Traffic Manual. Keep signal faces, detectors and control equipment in operating condition at all times.

Submit a signal timing plan to the Engineer two weeks in advance of actual signal start up. Include the default timing for normal operation, and Time of Day (TOD) plans for both AM and PM peaks. Once signal operations begin, adjust the timing as necessary to minimize actual vehicle delays. Have on site a person capable of maintaining and programming the signal.

The horizontal and vertical alignment of the roadway may require adjustment in the location of the advance warning signs (the distances shown in the plans are the minimums). The vertical alignment of the roadway may require adjustments in height of the signal heads. Signs shall not block the visibility of the traffic signals.

**660-4.01 METHOD OF MEASUREMENT.** Add the following:

No measurement of quantities will be made. Lump sum payment includes the cost of all materials, work and equipment required to complete the work associated with each pay item described in section 687-5.01.

Power utility work is paid for under Section 687.

Telecommunication (telephone) utility work is paid for under Section 663.

Television utility work is paid for under Section 664.

**660-5.01 BASIS OF PAYMENT.** Add the following:

Payment Includes labor, equipment, and materials required to provide fully functional underground utility systems and highway lighting systems, permanent and temporary, using new equipment. Remanufactured or rebuilt equipment will not be permitted.

Subsidiary to each Pay Item including but not limited to (Except when included as a separate Pay Item):

- (1) General construction requirements,
- (2) Bonding and grounding,
- (3) Bored Casings,
- (4) Completing tests,
- (5) Conductors,
- (6) Conduit,
- (7) Dewatering excavations,
- (8) Excavation, trenches in rock or soil, bedding, backfill for foundations, conduits, components,
- (9) Foundations including concrete to complete foundations
- (10) J-boxes including adjustment to final grade,
- (11) Labeling conductors,
- (12) Maintaining temporary and existing electrical systems,
- (13) Minor routing changes directed by the Engineer,
- (14) Preparing as-builts,
- (15) Removal and disposal of existing/new unused foundations, conduit, conductors, and J-boxes,
- (16) Removing, repairing and replacing improvements,
- (17) Removal of signs and reinstallations required to install foundations, conduits, and J-boxes,
- (18) Repairing damage to finishes on new equipment,
- (19) Salvaging reusable equipment and materials and delivering to the local Maintenance and Operations station including but not limited to existing signal structure, street lighting components, and overhead utility components,
- (20) Wiring

660 Pay Items do not include: roadway planning, roadway paving, drainage structures, erosion, sediment and pollution control, signing, striping and pavement markings, traffic control, and components of the traffic signal communication system.

**660-5.01 BASIS OF PAYMENT.** Add the following:

All of the electrical work associated with the street lighting will be paid for in pay item 660.0003.0000 Highway Lighting System Complete. This includes all of the work on the U sheets. This includes all

work to modify, relocate, or remove existing load centers and other equipment shown to be removed. This work includes all temporary traffic signaling, temporary roadway lighting, and associated logistics needed during the course of construction. All work on load centers shall comply with Section 661, however it shall be paid for under this pay item. This includes all work to remove existing light poles with their luminaires, replace luminaires, remove conduit and cable for all systems to be removed, extend existing conduit, provide new cable, intercept existing conduit and extend to new junction boxes, replace cabling, etc. as required to provide a complete, operational lighting system as shown on the drawings.

**660-5.01 BASIS OF PAYMENT.** Replace the Pay Item table with the following:

Pay Item	Pay Unit
660.0003.0000 Highway Lighting System Complete	Lump Sum

## SECTION 661

### ELECTRICAL LOAD CENTERS

#### 661-2.01 MATERIALS

Delete the paragraph: Conductors: Stranded copper with either XHHW-2 or RHW insulation.

Replace it with: Conductors shall be in accordance with Section 660.

Delete the paragraph: Conduit: Galvanized rigid conduit made of mild steel meeting UL standard UL-6. Replace it with: Conduit shall be in accordance with Section 660.

#### 661-4.01 METHOD OF MEASUREMENT. Replace paragraph with the following:

No measurement of quantities will be made. Lump sum payment includes the cost of all materials, work and equipment required to complete the work associated with each pay item described in section 687-5.01.

#### 661-5.01 BASIS of PAYMENT. Replace all paragraphs with the following:

All lighting load center work is paid for under Section 660 and is considered subsidiary to Pay Item 660.0003.0000, Highway Lighting System Complete.

## SECTION 670

### TRAFFIC MARKINGS

#### SR STANDARD MODIFICATION

**670-2.01 MATERIALS.** Add the following: Colors shall closely match the listed Federal Standard 595C color:

White 37925  
Yellow 33538  
Blue 35180  
Red 31138  
Black 37038

**670-3.01 CONSTRUCTION REQUIREMENTS.** Add the following after the first sentence: Make all completed pavement marking symbols and words solid as shown on the Plans. When a stencil with bridges is used, fill all breaks not shown on the Plans after removing the stencil.

**670-5.01 BASIS OF PAYMENT.** Add the following to the second paragraph after “preformed marking tape”: , traffic control device items, interim pavement markings when not paid under Section 643,

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**670-2.01 MATERIALS.** Replace the material reference “Methyl Methacrylate Markings Subsection 712-2.17”, with “Methyl Methacrylate Pavement Markings Subsection 712-2.17”

Add the following: Methyl Methacrylate Pavement Markings are a combination of methyl methacrylate, glass beads and anti-skid aggregate.

Replace the last sentence with the following: Submit a single certification from the manufacturer of the marking material, for each material combination, certifying the combination of marking material, glass beads and anti-skid aggregate, as furnished, provides the durability, color, retroreflectivity, and skid resistance specified.

#### **670-3.01 CONSTRUCTION REQUIREMENTS.**

Delete item 4. Methyl Methacrylate Pavement Markings. in its entirety and replace with the following:

#### 4. Methyl Methacrylate Pavement Markings.

- a. General. 15 days before starting this work meet with the Engineer for a prestriping meeting. At this meeting, do the following:
  - (1) Furnish a striping schedule showing areas and timing of work, placing of materials, and Traffic Control Plans to be used.
  - (2) Provide copies of the approved final striping layout.
  - (3) Discuss placement of materials and potential problems.
  - (4) Discuss work plan at off ramps, on ramps, and intersections.
  - (5) Discuss material handling procedures.
  - (6) Provide copies of the manufacturer’s installation instructions and copies of the Material Safety Data Sheets.
- b. Manufacturer’s Authorized Individual. Provide the services of a manufacturer’s authorized individual (the “Manufacturer’s Representative”) on each day that striping material is installed. Ensure the Manufacturer’s Authorized Individual observes the application of the pavement marking materials. Cooperate with the Manufacturer’s Authorized Individual and the Engineer to ensure

that the materials are placed according to these Specifications and the manufacturer's recommended procedures.

- c. Preparation. Prepare the roadway surface to receive methyl methacrylate according to these Specifications and the manufacturer's recommendations. Clean and dry the roadway surface. Completely remove contaminants such as dirt, loose asphalt, curing agents, surface oils, or existing road marking materials before applying pavement marking material.

Do not apply markings to new asphalt until the asphalt has cured for at least 14 days, or unless approved by the Engineer per Manufacturer Authorized Individual's recommendation. Perform a bond test in accordance with the manufacturer's procedures. Apply markings upon a successful bond test.

- d. Equipment.

Marking Equipment.

- (1) Longitudinal Marking: Use truck mounted application equipment capable of installing a double centerline and a single shoulder line in a single pass. Use automatic bead applicators that place a uniform layer of beads on the lines. Hand units are not permitted.
  - (2) Other Markings. Use manual or automatic application equipment. Use stencils or extruders to form sharply defined markings.
- e. Application. Apply methyl methacrylate marking material according to these Specifications and the manufacturer's recommendations. If conflicts exist between these Specifications and the manufacturer's recommendations, use the more restrictive of the two.

Anti-skid Aggregate. During marking material application, evenly distribute anti-skid aggregate throughout the top 20 mils of the marking material mixture, and after the application, in the surface of the cured material.

#### SURFACE APPLIED

Marking thickness will be measured from the pavement surface.

- (1) Markings. Apply cross walk markings to yield a thickness of 60 mils.
- f. Disposal of Waste. Waste material becomes the Contractor's property. This includes removed marking material. Do not dispose of or store stripe removal waste material or asphalt grindings on State property. Dispose of waste material according to applicable Federal, State, and local regulations.
  - g. Sampling. On an 8.5"x11" sheet of paper, record the following readings and the locations where they were taken using project stationing and submit them to the Engineer within 24 hours for evaluation.

#### SURFACE APPLIED

- (1) For surface applied longitudinal markings, measure the thickness of the lines at the time of application, at a maximum spacing of 500 feet.
- (2) For surface applied other markings measure the thickness in three locations for each marking.
- (3) Measure the retro-reflectivity of each longitudinal marking at intervals not to exceed 500 feet. Measure other markings in three locations for each marking. Take these measurements using a Delta LTL-X, RoadVista StripeMaster 2 Qd Color, or approved similar device. Perform testing within 72 hours of curing.

Inspect the markings at the time of application, and again two weeks after placement to ensure the material has cured properly. Remove soft spots and darkened areas and replace with material meeting specifications.

The Engineer may elect to use the Contractor's readings or perform additional sampling.

**670-3.04 PAVEMENT MARKING REMOVAL.** *Add the following:* Coordinate removal work with construction activity. Remove pavement markings the same day permanent markings are applied. Use vacuum shrouded equipment or other equally effective containment procedures.

**670-3.05 PRELIMINARY SPOTTING.** *Delete the second paragraph and replace with the following:* The Contractor shall be responsible for locating, staking, and recording the beginning and end of all existing passing/no passing markings and any other changes in striping patterns. The final layout shall be submitted to the project engineer for review and approval a minimum of one week prior to the pre-striping meeting.

Replace Subsection 3.06 with the following:

**670-3.06 TOLERANCE FOR LANE STRIPING.**

1. Length of Stripe. ± 2 inches.
2. Width of Stripe. ± 1/8 inch.
3. Lane Width. ± 4 inches from the width shown on the Plans.
4. Stripes on Tangent. Do not vary more than 1 inch laterally within a distance of 100 feet when using the edge of the stripe as a reference.
5. Stripes on Curves. Uniform in alignment with no apparent deviations from the true curvature.
6. All Striping. Keep the center of the stripe within planned alignment.
7. Double Striping. ± 1/4 inch.
8. Thickness of Surface Applied. Minimum specified to a maximum of + 30 mils.

Traffic markings not within the above tolerances are unacceptable under Subsection 105-1.11.

If it is determined that the material is being placed too thin, the beads are not properly placed, the anti-skid aggregate is not visible, or otherwise not to specification, make immediate adjustments to correct the problem.

Pavement markings applied by any method will be unacceptable if:

1. Marking is not straight or wide enough.
2. Thickness of line is not uniform.
3. Thickness of line is less than specified.
4. Material is uncured.
5. Material blackens or is inconsistent in color.
6. Edge of the markings is not clear cut and free of overspray.
7. Reflective elements are not properly embedded.
8. Retroreflectivity of the markings is less than specified.
9. Anti-skid aggregate is not visible in the marking material during application and the dried surface.
10. Markings exhibit poor adhesion.
11. Color is not as specified.

Perform repairs using equipment similar to the equipment initially used to place the materials. Do not perform repairs in a "patch work" manner. If more than one repair is required in a single 500 foot section, grind and repair the entire section.

*Add the following new subsection:*



**670-3.07 RETROREFLECTIVITY REQUIREMENT.** Use a sufficient type and quantity of beads to provide white and yellow markings with a minimum retroreflectivity of 200 mcd/m<sup>2</sup>-lux. Other colors have no retroreflectivity requirement.

**670-5.01 BASIS OF PAYMENT.** Add the following: There will be no separate or additional payment for the following:

- Over-runs of material caused by the variation of the gradation of the asphalt.
- Additional material required to achieve the thickness specified on open graded pavement.
- Over-runs of material if the contractor installs the material thicker than specified.

## SECTION 680

### TELECOMMUNICATIONS UTILITY RELOCATION

**680-1.01 DESCRIPTION.** Furnish and install telecommunications (telephone) utility infrastructure across the site as indicated in the Plans. Unless otherwise noted in the Plans, all telecommunications utility work is responsibility of the Contractor, both furnishing and installation. The Contractor shall provide all cable splices, terminations, testing, etc., after installation work is complete. Contractor work includes all demolition work required to the overhead utility telecommunications system. Work includes all new aboveground utility pole & pole components and conduit risers, underground telecommunications conduits, junction boxes, vaults, as well as copper cables, fiber cables, cable supports, and all mounting hardware.

KPU Telecommunications Utility participation in the project work is very limited. KPU will provide general oversight, will assist in answering contractor questions, reviewing submittals, and coordinating phased work. However, they will not be responsible for any of the physical work on this project, including the splicing and termination work needed for the copper and fiber plant. All telecommunications work by the Contractor.

**680-2.01 MATERIALS.** Use materials that conform to Section 740, the Materials Certification List, the Plans, specifications, and the following:

Concrete	Section 550 (Class W)
Grout	Subsection 701-2.03
Reinforcing Steel	Section 503
Paint	Subsection 708-2.01
Steel Pipe Pile	Section 715
Anchor Plate	ASTM A709
Galvanizing	Subsection 716-2.07

1. Equipment List(s) and Drawings. Within 30 days after the Contract award, submit 8 collated copies of a portfolio of equipment and materials proposed for installation to the Department for review and approval. Include a table of contents in the portfolio(s) that includes each item's intended use(s) and the following:
  - a. Materials on the Qualified Products List: A description that includes product name, manufacturer, model or part number, and the conditions listed for approval.
  - b. Materials Not on the Qualified Products List: Catalog cuts that include the manufacturer's name, type of product, size, model number, conformance specifications, and other data as may be required, including manufacturer's maintenance and operations manuals, or sample articles.
  - c. Pole Package. A complete set of design, fabrication, and installation proposals for each utility pole. This includes packages for both all new and retrofitted utility poles as described in the Plans. Include stamped engineering calculations, shop drawings, equipment lists, and pole installation plans.
  - d. Materials Not Requiring Certification: Incidental materials incorporated into the work (such as nuts, ties, bolts, washers, etc.) must meet all applicable Specifications and be installed per all manufacturer's recommendations. Certification is not needed unless required by the Special Provisions or requested by the Engineer.
2. As-Built Plans. Prepare 3 complete sets of red lined as-built plans and keep them current with the construction. Detail in the as-built plans all construction changes made to the Plans. Include the following information on the appropriate sheets:
  - a. Location and depth of conduit runs, conduit penetrations at bridge abutments, etc.
  - b. Station and offset of all junction boxes, vaults, fiberglass basements, box pads, etc.
  - c. A list of equipment, including manufacturer, brand, and model number installed at each equipment pad shown on the Plans.

Furnish copies of the as-built plans at least twice a month during construction so that they may be reviewed for accuracy and completeness. Furnish any additional information required to clarify the as-built plans and correct all discrepancies. The Department will not make progress payments for the utility work completed until reviewing accurate as-built plans reflecting the construction progress. Correct any deficiencies before payment.

Before final inspection of the work, submit 3 complete sets of as-built plans to the Engineer. You may substitute 2 colored copies of the as-built plans in lieu of keeping the 3 separate original copies. If you elect to do this, a sample of the method of copying must be approved before starting any work on the signal and lighting items.

3. Warranties, Guarantees, and Instruction Sheets. Deliver to the Engineer all manufacturers' warranties, guaranties, instruction sheets, and parts furnished with materials used in the work before the Department assumes maintenance responsibilities.
4. Additional Specification Requirements. Provide all copper and fiber telecommunications work according to applicable Rural Utility Service (RUS) Bulletins, manufacturer written instructions, KPU Telecommunications requirements, and established industry best practices. Specific standards applicable to this project include, but are not limited to, the following:
  - a. RUS Bulletin 1753F-201 – Standard for Acceptance Tests and Measurements of Telecommunications Plant (Latest edition)
  - b. RUS Bulletin 1753F-401 – Standard for Splicing Copper and Fiber Optic Cables (latest edition)
  - c. Commscope FOSC 450 D6 Fiber Optic Splice Enclosure Installation Instructions
  - d. Performed Line Products Armadillo Stainless Steel Splice Enclosure Installation Instructions
  - e. Copies of the above files are included in the Appendix

## **CONSTRUCTION REQUIREMENTS**

### **680-3.01 GENERAL.**

1. Scheduling of Work. Complete telecommunications utility system work across the site in coordination with overall project phasing plans, utility company requirements, and the plans and specifications.

All the new telecommunications utility work underground work must be connected, completed, and energized prior to beginning the demolition of the existing overhead utilities. Overall project work must be scheduled and phased in such a way to allow the new underground construction to be complete and operational prior to demolition of overhead utility systems. Provide detailed phasing plans for review and approval by the Engineer prior to commencement of construction activities.

Do not pull conductors and cables into conduits and through junction boxes and equipment foundations until the boxes and foundations are set to plum to grade, crushed rock sumps are installed, and grout is placed around the conduit.

Do not pull conductors and cables into conduits and through junction boxes and equipment foundations until the empty conduit system has been thoroughly pre-lubricated. In addition, lubricate the conductors and cables as they enter the pre-lubricated conduit system. See Plans, including Detail 2, Plan Sheet U41, Note 4 refers to Plan Sheet U18, Detail 1, Notes 2-5, for lubrication details.

Telecommunications utility work will require coordination with the utility company. This includes regular review meetings prior, during, and after work is complete. Utility company approval will be required for submittals.

2. Excavating and Backfilling. Excavate as required for the installation of conduit, junction boxes, foundations, and other appurtenances. Avoid unnecessary damage to streets, sidewalks, landscaping, and other improvements.

Do not excavate wider than necessary for the proper installation of conduits, junction boxes, and foundations. Do not perform excavation until immediately before installing conduit and other appurtenances.

Excavate trenches for utility conduit installation according to Plans and as described in Section 660.

3. Removing and Replacing Improvements. Replace or reconstruct improvements damaged by your operations such as sidewalks, curbs, gutters, pavement, base material, lawns and plants, and other improvements that are removed or broken with the same kind of material as found on the work, or with materials of equal or better quality. Leave the new work in satisfactory and serviceable condition.

Whenever a part of a square or slab of existing sidewalk, curb and gutter, or driveway is broken or damaged, remove the entire square, section, or slab and reconstruct the concrete as above specified. Before removing the sidewalk, driveways, or pavement material, cut the outline of all areas to be removed in concrete sidewalks, driveways, and in pavements through completely with a saw. Make cuts neat and true and prevent shatter outside the removal area.

4. Salvaging or Reusing Telecommunication Equipment. Telecommunications utility has first rights to any salvaged utility components. Salvage and deliver existing telecommunication equipment, devices, mounting hardware, cables and conductors, and pole accessories to a location indicated on the Plans, the Special Provisions, or by the Engineer.

Jointly inventory, with the Engineer, all equipment, and materials to be salvaged or reused. Perform the inventory within 15 days following the Notice to Proceed. Note on the inventory the location and condition of all materials to be salvaged or reused.

Remove and salvage telecommunication equipment without damage. Replace at your expense any of the above-mentioned telecommunication equipment that has been damaged or destroyed by your operations.

Underground conduit, conductors, foundations, and junction boxes not reused become your property and must be removed from the highway right-of-way. If said materials, except conductors and cables, do not interfere with other construction they may, with approval, be abandoned in place with a credit taken by the Department. To limit future operation and maintenance concerns, remove all cables and conductors from any conduits that will be abandoned in place. Meet Subsection 660-3.02 for foundations abandoned in place.

Fill holes formed by removing junction boxes and foundations with material equivalent to the surrounding material and compact to the same density.

5. Repairing Damaged Finishes. Examine all exterior surfaces for damage in the field, including new, reused, and State-furnished equipment. Repair damaged finishes as follows:
  - a. Galvanized. Repair damage to galvanized coatings in conformance with AASHTO M 36.
  - b. Painted.
    - (1) Wash the equipment with a stiff bristle brush using a solution of water containing 2 tablespoons of heavy-duty detergent powder per gallon. After rinsing, wire brush all surfaces to remove all poorly bonded paint, rust, scale, corrosion, grease, or dirt. Remove any dust or residue remaining after wire brushing before priming.
    - (2) You may use factory or shop cleaning methods for metals if equal to the methods specified herein.
    - (3) Immediately after cleaning, coat all bare metal with pre-treatment, vinyl wash primer, followed by 2 prime coats of zinc chromate primer for metal.

- (4) Give signal equipment, excluding standards, a spot-finishing coat on newly primed areas, followed by 1 finishing coat over the entire surface.
- (5) Give ungalvanized standards 2 spot-finish coats on newly primed areas.

You may apply all paint coats either by hand brushing or by approved spraying machines. Perform the work in a neat and workmanlike manner. The Engineer reserves the right to require the use of brushes for the application of paint, should the work done by the paint spraying machine prove unacceptable.

**680-3.03 CONDUIT.** Provide utility conduits per details on the Plans and per Section 660-3.03.

**680-3.04 EQUIPMENT FOUNDATIONS.** Provide utility equipment foundations per details on the Plans and per applicable paragraphs of section 660-3.04.

**680-3.05 WIRING.** Provide utility conductors and cables per details on the Plans, per section 660-3.05, and as described below.

Contractor is responsible to furnish and install all telecommunications copper cable and fiber cable on the project. Cable splices, terminations, testing, etc. will be by Contractor after installation work is complete. Coil cables within each underground vault per the Plans.

Carefully protect cable from mechanical damage. Provide suitable mechanical protection for reels.

Pull cable directly from reels into the ducts. It may not be laid on the ground or otherwise handled for cutting or sorting. Pulling lubricant, UL-listed and compatible with the cable being pulled, shall be generously applied. Pulling tension (lbs.) not to exceed manufacturer written restrictions for each cable type pulled. Cables shall not be pulled through more than one intermediate manhole on one pull. Cable ends shall be sealed against moisture after pulling. Pull ropes shall be non-metallic to prevent cutting of duct materials. See Plans for more on pulling requirements.

Pulling tension and side wall pressure shall not exceed the manufacturer's allowable values. Pulling tension shall be continuously monitored during a pull by use of a dynamometer. The dynamometer shall have been calibrated within a year of its use on the project. If the pulling tension or sidewall pressure is exceeded during a pull, the cable shall be considered damaged and shall be replaced by the Subcontractor. See Plans for more on pulling requirements.

See Plans for pulling diagram and additional conductor and cable pulling considerations.

**Installation of Cables in Manholes and Handholes:** Cable shall not be installed utilizing the shortest route but shall be routed along those walls providing the longest route and the maximum spare cable lengths. Cables shall be formed closely parallel to the walls, shall not interfere with duct entrances, and shall be supported on brackets and cable insulators, spaced at a maximum of four feet. In existing manholes and handholes where new ducts are to be terminated or where new cables are to be installed, the existing installation of cables, cable supports, and grounding shall be modified as required for a neat and workmanlike installation with cables properly arranged and supported. See Plans for pulling diagram and additional pulling considerations.

Split wire-basket cable grips shall be used to restrain conductors in manholes, handholes, and pull boxes on downhill duct runs.

Splicing of cable within manholes is not allowed. Cables shall be continuous until terminations.

At each manhole, handhole or pull box, circuit labels, as shown on the drawings, shall be attached to each cable group. As the cable enters it shall be labeled to identify the source. As the cable leaves it shall be

labeled to identify its destination. At approximately the center of the cable group it shall be identified with its feeder circuit designation.

Telecommunication Cable Terminations: Cable terminations are by the Contractor. This includes all fiber strand splicing and copper pair splicing. All splicing work to occur within existing aerial splice enclosures as noted on the Plans. Existing cable splices will be removed and reworked as necessary to splice in the new fiber and copper cables. See the Plans for more information. All termination work shall be coordinated with KPU Telecommunications splicing technician prior to commencement work.

Telecommunication Testing & Compliance: Contractor responsible to provide all copper and fiber testing after physical installation work is complete. Provide all testing required per specifications, the Plans, and referenced standards. Include verification documentation for review by KPU Telecommunications and the Engineer. Contractor responsible for providing all necessary testing equipment, setup procedures, logging instrumentation, and reporting documentation.

**680-3.06 BONDING AND GROUNDING.** Provide telecommunications bonding and grounding as required, per details on the Plans, per section 660-3.06, per KPU Telecommunication requirements, and per the specifications and best industry practices noted within this specification.

**680-3.07 PHASED WORK & MAINTAINING EXISTING TELECOMMUNICATIONS SYSTEM.** The existing overhead utilities shall remain energized, fully functional, and protected as required during the new underground installation work. Overhead shall remain active and in use until the complete installation of the underground utilities, utility system testing, and approval by the utility company.

Phased Utility Work: Several circuit iterations shall be provided along the existing and new bridge segments to facilitate bridge reconstruction work. This work will involve phased construction and phased cutovers for utilities along the existing and new bridge sections. See Plans for more information. Provide all phased construction necessary to minimize the number and duration of utility power outages. Contractor shall submit for approval by the Engineer a detailed, written construction phasing plan.

Where an existing system is being modified, the Department will pay for work not shown on the Plans or Special Provisions that is considered necessary to keep all or part of the existing system in effective operation as extra work as provided in Subsection 109-1.05. Portions of the project effort will be completed directly by the utility companies and will be paid for via utility agreements.

Once commencing work on the project, provide all maintenance for existing telecommunications facilities. The above maintenance does not include previous damage such as burned out lamps, non-operative detection, or other malfunctioning equipment. Present written documentation of all non-functioning and malfunctioning telecommunication equipment before commencing work on the project. You and the Engineer will inspect this equipment jointly. If work begins on the Project and the Engineer does not receive written notice, this is considered evidence that all equipment is functional and operational.

Ascertain the exact location of existing conduit runs, direct burial cable, junction boxes, and all underground utilities before using equipment that may damage such facilities or interfere with any system.

Keep existing and temporary telecommunication installations in effective operation until they are no longer required. Salvage all original and Department-provided equipment according to the provisions in Subsection 660-3.01.6 and remove all other materials from the project.

**680-4.01 METHOD OF MEASUREMENT.** No measurement of quantities will be made. Lump sum payment includes the cost of all materials, work and equipment required to complete the work associated with each pay item described in section 663-5.01.

**680-5.01 BASIS OF PAYMENT.**

Subsidiary work: All work associated with providing the equipment and materials included in this

specification that is not specifically covered in the pay items below shall be considered subsidiary to the pay items below and shall not be paid for separate from the pay items below. This includes any work required to access the area necessary to perform work under this and related items, demolition work required and called for, utility locate costs, and coordination costs for working with onsite staff, other trades, and utility representatives. All work associated with necessary phased construction and specific sequences of work shall be considered subsidiary.

Subsidiary to each Pay Item including but not limited to (Except when included as a separate Pay Item):

- (1) General construction requirements,
- (2) Bonding and grounding,
- (3) Bored Casings,
- (4) Completing tests,
- (5) Conductors,
- (6) Conduit,
- (7) Dewatering excavations,
- (8) Excavation, trenches in rock or soil, bedding, backfill for foundations, conduits, components,
- (9) Foundations including concrete to complete foundations
- (10) J-boxes including adjustment to final grade,
- (11) Labeling conductors,
- (12) Maintaining temporary and existing telecommunication systems,
- (13) Minor routing changes directed by the Engineer,
- (14) Preparing as-builts,
- (15) Removal and disposal of existing/new unused foundations, conduit, conductors, and J-boxes,
- (16) Removing, repairing and replacing improvements,
- (17) Removal of signs and reinstallations required to install foundations, conduits, and J-boxes,
- (18) Repairing damage to finishes on new equipment,
- (19) Salvaging reusable equipment and materials and delivering to the local KPU Telecommunications facility including but not limited to cable, connectors, splice enclosures, aerial cable hangers and support, etc.
- (20) Wiring,
- (21) All cable splicing and termination work,
- (22) All telecommunication copper and fiber system testing and verification work required to ensure fully functional copper and fiber outside plant systems.

Pay Item 680.2000.0000 Telecommunications Relocation: All work associated with the Telecommunications Utility will be paid for in pay item 680.2000.0000 Telecommunications Utility Relocation. This includes all telecommunications utility work shown on the U sheets and includes all work to modify, relocate, or remove existing overhead utility infrastructure including overhead infrastructure and equipment within the project site. This includes all work to remove existing telecommunication utility pole mounted equipment, switches, splice cans, cable terminators, guy wires, grounding, conduits, jumpers, equipment mounts, and mounting accessories. This includes all new work as detailed on the drawings and specifications, and as required to fully support a complete, operational utility telecommunications distribution system, both copper and fiber based, as shown on the drawings. This includes all copper cables, fiber cables, conduit, vaults, junction boxes, grounding & bonding, mounting hardware, equipment foundations, utility pole work and existing pole rework. Contractor to provide all cable splices, terminations, testing and performance verification work as required.

Payment will be made under:

Pay Item	Pay Unit
680.2000.0000 Telecommunications Utility Relocation	Lump Sum

## SECTION 684

### TELEVISION UTILITY RELOCATION

**684-1.01 DESCRIPTION.** Furnish and install television utility infrastructure across the site as indicated in the Plans. Unless otherwise noted in the Plans, all television utility work is responsibility of the contractor, both furnishing and installation. The utility company will provide all cable splices, terminations, testing, etc., after installation work is complete. Contractor work includes all demolition work required to the overhead utility television system. Work includes all new aboveground utility pole & pole components and conduit risers, underground television conduits, junction boxes, vaults, as well as coaxial (coax) cables, cable supports, and all mounting hardware.

**684-2.01 MATERIALS.** Use materials that conform to Section 740, the Materials Certification List, the Plans, specifications, and the following:

Concrete	Section 550 (Class W)
Grout	Subsection 701-2.03
Reinforcing Steel	Section 503
Paint	Subsection 708-2.01
Steel Pipe Pile	Section 715
Anchor Plate	ASTM A709
Galvanizing	Subsection 716-2.07

1. Equipment List(s) and Drawings. Within 30 days after the Contract award, submit 8 collated copies of a portfolio of equipment and materials proposed for installation to the Department for review and approval. Include a table of contents in the portfolio(s) that includes each item's intended use(s) and the following:
  - a. Materials on the Qualified Products List: A description that includes product name, manufacturer, model or part number, and the conditions listed for approval.
  - b. Materials Not on the Qualified Products List: Catalog cuts that include the manufacturer's name, type of product, size, model number, conformance specifications, and other data as may be required, including manufacturer's maintenance and operations manuals, or sample articles.
  - c. Pole Package. A complete set of design, fabrication, and installation proposals for each utility pole. This includes packages for both all new and retrofitted utility poles as described in the Plans. Include stamped engineering calculations, shop drawings, equipment lists, and pole installation plans.
  - d. Materials Not Requiring Certification: Incidental materials incorporated into the work (such as nuts, ties, bolts, washers, etc.) must meet all applicable Specifications and be installed per all manufacturer's recommendations. Certification is not needed unless required by the Special Provisions or requested by the Engineer.
2. As-Built Plans. Prepare 3 complete sets of red lined as-built plans and keep them current with the construction. Detail in the as-built plans all construction changes made to the Plans. Include the following information on the appropriate sheets:
  - a. Location and depth of conduit runs, conduit penetrations at bridge abutments, etc.
  - b. Station and offset of all junction boxes, vaults, fiberglass basements, box pads, etc.
  - c. A list of equipment, including manufacturer, brand, and model number installed at each equipment pad shown on the Plans.

Furnish copies of the as-built plans at least twice a month during construction so that they may be reviewed for accuracy and completeness. Furnish any additional information required to clarify the as-built plans and correct all discrepancies. The Department will not make progress payments for the utility work completed until reviewing accurate as-built plans reflecting the construction progress. Correct any deficiencies before payment.



Before final inspection of the work, submit 3 complete sets of as-built plans to the Engineer. You may substitute 2 colored copies of the as-built plans in lieu of keeping the 3 separate original copies. If you elect to do this, a sample of the method of copying must be approved before starting any work on the signal and lighting items.

3. Warranties, Guarantees, and Instruction Sheets. Deliver to the Engineer all manufacturers' warranties, guaranties, instruction sheets, and parts furnished with materials used in the work before the Department assumes maintenance responsibilities.

## CONSTRUCTION REQUIREMENTS

### 684-3.01 GENERAL.

1. Scheduling of Work. Complete television utility system work across the site in coordination with overall project phasing plans, utility company requirements, and the plans and specifications.

All the new television utility work underground work must be connected, completed, and energized prior to beginning the demolition of the existing overhead utilities. Overall project work must be scheduled and phased in such a way to allow the new underground construction to be complete and operational prior to demolition of overhead utility systems. Provide detailed phasing plans for review and approval by the Engineer prior to commencement of construction activities.

Do not pull conductors and cables into conduits and through junction boxes and equipment foundations until the boxes and foundations are set to plum to grade, crushed rock sumps are installed, and groud is placed around the conduit.

Do not pull conductors and cables into conduits and through junction boxes and equipment foundations until the empty conduit system has been thoroughly pre-lubricated. In addition, lubricate the conductors and cables as they enter the pre-lubricated conduit system. See Plans for lubrication details.

Television utility work will require coordination with the utility company. This includes regular review meetings prior, during, and after work is complete. Utility company approval will be required for submittals.

2. Excavating and Backfilling. Excavate as required for the installation of conduit, junction boxes, foundations, and other appurtenances. Avoid unnecessary damage to streets, sidewalks, landscaping, and other improvements.

Do not excavate wider than necessary for the proper installation of conduits, junction boxes, and foundations. Do not perform excavation until immediately before installing conduit and other appurtenances.

Excavate trenches for utility conduit installation according to Plans and as described in Section 660.

3. Removing and Replacing Improvements. Replace or reconstruct improvements damaged by your operations such as sidewalks, curbs, gutters, pavement, base material, lawns and plants, and other improvements that are removed or broken with the same kind of material as found on the work, or with materials of equal or better quality. Leave the new work in satisfactory and serviceable condition.

Whenever a part of a square or slab of existing sidewalk, curb and gutter, or driveway is broken or damaged, remove the entire square, section, or slab and reconstruct the concrete as above specified.

Before removing the sidewalk, driveways, or pavement material, cut the outline of all areas to be removed in concrete sidewalks, driveways, and in pavements through completely with a saw. Make cuts neat and true and prevent shatter outside the removal area.

4. Salvaging or Reusing Electrical Equipment. Television utility has first rights to any salvaged utility components. Salvage and deliver existing electrical equipment, devices, mounting hardware, cables and conductors, and pole accessories to a location indicated on the Plans, the Special Provisions, or by the Engineer.

Jointly inventory, with the Engineer, all equipment, and materials to be salvaged or reused. Perform the inventory within 15 days following the Notice to Proceed. Note on the inventory the location and condition of all materials to be salvaged or reused.

Remove and salvage electrical equipment without damage. Replace at your expense any of the above-mentioned electrical equipment that has been damaged or destroyed by your operations.

Underground conduit, conductors, foundations, junction boxes, not reused become your property and must be removed from the highway right-of-way. If said materials, except conductors and cables, do not interfere with other construction they may, with approval, be abandoned in place with a credit taken by the Department. To limit future operation and maintenance concerns, remove all cables and conductors from any conduits that will be abandoned in place. Meet Subsection 660-3.02 for foundations abandoned in place.

Fill holes formed by removing junction boxes and foundations with material equivalent to the surrounding material and compact to the same density.

5. Repairing Damaged Finishes. Examine all exterior surfaces for damage in the field, including new, reused, and State-furnished equipment. Repair damaged finishes as follows:
  - a. Galvanized. Repair damage to galvanized coatings in conformance with AASHTO M 36.
  - b. Painted.
    - (1) Wash the equipment with a stiff bristle brush using a solution of water containing 2 tablespoons of heavy-duty detergent powder per gallon. After rinsing, wire brush all surfaces to remove all poorly bonded paint, rust, scale, corrosion, grease, or dirt. Remove any dust or residue remaining after wire brushing before priming.
    - (2) You may use factory or shop cleaning methods for metals if equal to the methods specified herein.
    - (3) Immediately after cleaning, coat all bare metal with pre-treatment, vinyl wash primer, followed by 2 prime coats of zinc chromate primer for metal.
    - (4) Give signal equipment, excluding standards, a spot-finishing coat on newly primed areas, followed by 1 finishing coat over the entire surface.
    - (5) Give ungalvanized standards 2 spot-finish coats on newly primed areas.

You may apply all paint coats either by hand brushing or by approved spraying machines. Perform the work in a neat and workmanlike manner. The Engineer reserves the right to require the use of brushes for the application of paint, should the work done by the paint spraying machine prove unacceptable.

**684-3.03 CONDUIT.** Provide utility conduits per details on the Plans and per section 660-3.03.

**684-3.04 EQUIPMENT FOUNDATIONS.** Provide utility equipment foundations per details on the Plans and per applicable paragraphs of section 660-3.04.

**684-3.05 WIRING.** Provide utility conductors and cables per details on the Plans, per section 660-3.05, and as described below.

Contractor is responsible to furnish and install all television copper cables on the project. Cable splices, terminations, testing, etc. will be by utility after installation work is complete. Coil cables within each underground vault and aboveground pedestal per the Plans.

Carefully protect cable from mechanical damage. Provide suitable mechanical protection for reels.

Pull cable directly from reels into the ducts. It may not be laid on the ground or otherwise handled for cutting or sorting. Pulling lubricant, UL-listed and compatible with the cable being pulled, shall be generously applied. Pulling tension (lbs.) not to exceed manufacturer written restrictions for each cable type pulled. Cables shall not be pulled through more than one intermediate manhole on one pull. Cable ends shall be sealed against moisture after pulling. Pull ropes shall be non-metallic to prevent cutting of duct materials. See Plans for more on pulling requirements.

Pulling tension and side wall pressure shall not exceed the manufacturer's allowable values. Pulling tension shall be continuously monitored during a pull by use of a dynamometer. The dynamometer shall have been calibrated within a year of its use on the project. If the pulling tension or sidewall pressure is exceeded during a pull, the cable shall be considered damaged and shall be replaced by the Subcontractor. See Plans for more on pulling requirements.

See Plans for pulling diagram and additional conductor and cable pulling considerations.

Installation of Cables in Manholes and Handholes: Cable shall not be installed utilizing the shortest route but shall be routed along those walls providing the longest route and the maximum spare cable lengths. Cables shall be formed closely parallel to the walls, shall not interfere with duct entrances, and shall be supported on brackets and cable insulators, spaced at a maximum of four feet. In existing manholes and handholes where new ducts are to be terminated or where new cables are to be installed, the existing installation of cables, cable supports, and grounding shall be modified as required for a neat and workmanlike installation with cables properly arranged and supported. See Plans for pulling diagram and additional pulling considerations.

Split wire-basket cable grips shall be used to restrain conductors in manholes, handholes, and pull boxes on downhill duct runs.

Splicing of cable within manholes is not allowed. Cables shall be continuous until terminations.

At each manhole, handhole or pull box, circuit labels, as shown on the drawings, shall be attached to each cable group. As the cable enters it shall be labeled to identify the source. As the cable leaves it shall be labeled to identify its destination. At approximately the center of the cable group it shall be identified with its feeder circuit designation.

Television Cable Terminations: Cable terminations shall be by the utility company.

**684-3.06 BONDING AND GROUNDING.** Provide grounding per details on the Plans, per section 660-3.06.

**684-3.07 PHASED WORK & MAINTAINING EXISTING TELEVISION SYSTEM.** The existing overhead utilities shall remain energized, fully functional, and protected as required during the new underground installation work. Overhead shall remain active and in use until the complete installation of the underground utilities, utility system testing, and approval by the utility company.

Phased Utility Work: Several circuit iterations shall be provided along the existing and new bridge segments to facilitate bridge reconstruction work. This work will involve phased construction and phased cutovers for utilities along the existing and new bridge sections. See Plans for more information. Provide all phased

construction necessary to minimize the number and duration of utility power outages. Contractor shall submit for approval by the Engineer a detailed, written construction phasing plan.

Where an existing system is being modified, the Department will pay for work not shown on the Plans or Special Provisions that is considered necessary to keep all or part of the existing system in effective operation as extra work as provided in Subsection 109-1.05. Portions of the project effort will be completed directly by the utility companies and will be paid for via utility agreements.

Once commencing work on the project, provide all maintenance for existing television facilities. The above maintenance does not include previous damage such as burned out lamps, non-operative detection, or other malfunctioning equipment. Present written documentation of all non-functioning and malfunctioning electrical equipment before commencing work on the project. You and the Engineer will inspect this equipment jointly. If work begins on the Project and the Engineer does not receive written notice, this is considered evidence that all equipment is functional and operational.

Ascertain the exact location of existing conduit runs, direct burial cable, junction boxes, and all underground utilities before using equipment that may damage such facilities or interfere with any system.

Keep existing and temporary television installations in effective operation until they are no longer required. Salvage all original and Department-provided equipment according to the provisions in Subsection 660-3.01.6 and remove all other materials from the project.

**684-4.01 METHOD OF MEASUREMENT.** No measurement of quantities will be made. Lump sum payment includes the cost of all materials, work and equipment required to complete the work associated with each pay item described in section 664-5.01.

**684-5.01 BASIS OF PAYMENT.**

Subsidiary work: All work associated with providing the equipment and materials included in this specification that is not specifically covered in the pay items below shall be considered subsidiary to the pay items below and shall not be paid for separate from the pay items below. This includes any work required to access the area necessary to perform work under this and related items, demolition work required and called for, utility locate costs, and coordination costs for working with onsite staff, other trades, and utility representatives. All work associated with necessary phased construction and specific sequences of work shall be considered subsidiary.

Subsidiary to each Pay Item including but not limited to (Except when included as a separate Pay Item):

- (1) General construction requirements,
- (2) Bonding and grounding,
- (3) Bored Casings,
- (4) Completing tests,
- (5) Conductors,
- (6) Conduit,
- (7) Dewatering excavations,
- (8) Excavation, trenches in rock or soil, bedding, backfill for foundations, conduits, components,
- (9) Foundations including concrete to complete foundations
- (10) J-boxes including adjustment to final grade,
- (11) Labeling conductors,
- (12) Maintaining temporary and existing electrical systems,
- (13) Minor routing changes directed by the Engineer,
- (14) Preparing as-builts,
- (15) Removal and disposal of existing/new unused foundations, conduit, conductors, and J-boxes,
- (16) Removing, repairing and replacing improvements,
- (17) Removal of signs and reinstallations required to install foundations, conduits, and J-boxes,
- (18) Repairing damage to finishes on new equipment,

- (19) Salvaging reusable equipment and materials and delivering to the local Maintenance and Operations station including but not limited to existing signal structure, street lighting components, and overhead utility components.
- (20) Wiring

Pay Item 684.2000.0000 Television Utility Relocation: All work associated with the television utilities will be paid for in pay item 684.2000.0000 Television Utility Relocation. This includes all television utility work shown on the U sheets and includes all work to modify, relocate, or remove existing overhead utility infrastructure including overhead infrastructure and equipment within the project site. This includes all work to remove existing television utility pole mounted equipment, switches, splice cans, cable terminators, guy wires, grounding, conduits, jumpers, equipment mounts, and mounting accessories. This includes all new work as detailed on the drawings and specifications, and as required to fully support a complete, operational utility television distribution system as shown on the drawings. This includes all coax cables, conduit, vaults, junction boxes, grounding & bonding, mounting hardware, equipment foundations, utility pole work and existing pole rework. All cable splices and terminations will be provided by the utility company.

Payment will be made under:

Pay Item	Pay Unit
684.2000.0000 Television Utility Relocation	Lump Sum

## SECTION 687

### POWER UTILITY RELOCATION

**687-1.01 DESCRIPTION.** Furnish and install power utility infrastructure across the site as indicated in the Plans. Unless otherwise noted in the Plans, all power utility work is responsibility of the Contractor, both furnishing and installation. Work includes all demolition work required to the overhead utility power systems. Work includes all medium voltage power utility work, including aboveground utility pole & pole components, medium voltage equipment, devices, fuses, switches, arresters, supports, mounting hardware, guys, open air conductors, connections, and conduit risers. This includes power utility pad mounted switches, junction cabinets, underground vaults, boxes, and underground medium equipment, devices, conductors and cables in conduit, conduit, connections, etc.

Work not within the Contractor's scope includes: All pole demolition and new work at utility poles P7, P8, P9, P10. All pole P7-P10 work by KPU Electric per the Plans and Specifications. All underground to these poles by contractor. See Plans for complete details.

Contractor is expected to follow electrical industry standards for preparing and pulling medium voltage circuits through underground conduit systems. Provide work according to "Installation Practices for Cable Raceway Systems" Technical Reference by Okonite, attached as an Appendix to the Specifications.

Contractor is also expected to review and follow the KPU Electric "Switching & Clearance Policy" guideline, attached as an Appendix to the Specifications. Coordinate all switching operations with KPU.

**687-2.01 MATERIALS.** Use materials that conform to Section 740, the Materials Certification List, the Plans, specifications, and the following:

Concrete	Section 550 (Class W)
Grout	Subsection 701-2.03
Reinforcing Steel	Section 503
Paint	Subsection 708-2.01
Steel Pipe Pile	Section 715
Anchor Plate	ASTM A709
Galvanizing	Subsection 716-2.07

1. Equipment List(s) and Drawings. Within 30 days after the Contract award, submit 8 collated copies of a portfolio of equipment and materials proposed for installation to the Department for review and approval. Include a table of contents in the portfolio(s) that includes each item's intended use(s) and the following:
  - a. Materials on the Qualified Products List: A description that includes product name, manufacturer, model or part number, and the conditions listed for approval.
  - b. Materials Not on the Qualified Products List: Catalog cuts that include the manufacturer's name, type of product, size, model number, conformance specifications, and other data as may be required, including manufacturer's maintenance and operations manuals, or sample articles.
  - c. Pole Package. A complete set of design, fabrication, and installation proposals for each utility pole. This includes packages for both all new and retrofitted utility poles as described in the Plans. Include stamped engineering calculations, shop drawings, welding plans, equipment lists, and pole installation plans.
  - d. Materials Not Requiring Certification: Incidental materials incorporated into the work (such as nuts, ties, bolts, washers, etc.) must meet all applicable Specifications and be installed per all manufacturer's recommendations. Certification is not needed unless required by the Special Provisions or requested by the Engineer.
2. As-Built Plans. Prepare 3 complete sets of red lined as-built plans and keep them current with the construction. Detail in the as-built plans all construction changes made to the Plans. Include the following information on the appropriate sheets:

- a. Location and depth of conduit runs, conduit penetrations at bridge abutments, etc.
- b. Station and offset of all junction boxes, vaults, fiberglass basements, box pads, etc.
- c. A list of equipment, including manufacturer, brand, and model number installed at each equipment pad shown on the Plans.

Furnish copies of the as-built plans at least twice a month during construction so that they may be reviewed for accuracy and completeness. Furnish any additional information required to clarify the as-built plans and correct all discrepancies. The Department will not make progress payments for the utility work completed until reviewing accurate as-built plans reflecting the construction progress. Correct any deficiencies before payment.

Before final inspection of the work, submit 3 complete sets of as-built plans to the Engineer. You may substitute 2 colored copies of the as-built plans in lieu of keeping the 3 separate original copies. If you elect to do this, a sample of the method of copying must be approved before starting any work on the signal and lighting items.

3. Warranties, Guarantees, and Instruction Sheets. Deliver to the Engineer all manufacturers' warranties, warranties, instruction sheets, and parts furnished with materials used in the work before the Department assumes maintenance responsibilities.

### **687-3.01 GENERAL CONSTRUCTION REQUIREMENTS.**

1. Scheduling of Work. Complete power utility system work across the site in coordination with overall project phasing plans, utility company requirements, and the plans and specifications.

All the new power utility work underground work must be connected, completed, and energized prior to beginning the demolition of the existing overhead utilities. Overall project work must be scheduled and phased in such a way to allow the new underground construction to be complete and operational prior to demolition of overhead utility systems. Provide detailed phasing plans for review and approval by the Engineer prior to commencement of construction activities.

Do not pull conductors and cables into conduits and through junction boxes and equipment foundations until the boxes and foundations are set to plum to grade, crushed rock sumps are installed, grout is placed around the conduit.

Do not pull conductors and cables into conduits and through junction boxes and equipment foundations until the empty conduit system has been thoroughly pre-lubricated. In addition, lubricate the conductors and cables as they enter the pre-lubricated conduit system. See Plans for lubrication details.

Power utility work will require coordination with the utility company. This includes regular review meetings prior, during, and after work is complete. Utility company approval will be required for submittals. Coordinate with Utility company for all pole work by Contractor as well as pole work that is by Utility company.

2. Safety Precautions. Before starting work on existing circuits, de-energize the system by opening disconnect switches, and/or opening bypass switch plugs, and tagging each opened device as detailed in Part 4, Section 44, Article 440 of NESC. Where said circuits are under the control of an electric utility, contractor to follow KPU's switching & clearances policy and procedures. Switching operations to be coordinated with KPU.
3. Excavating and Backfilling. Excavate as required for the installation of conduit, junction boxes, foundations, and other appurtenances. Avoid unnecessary damage to streets, sidewalks, landscaping, and other improvements.

Do not excavate wider than necessary for the proper installation of conduits, junction boxes, and foundations. Do not perform excavation until immediately before installing conduit and other appurtenances.

Excavate trenches for utility conduit installation according to Plans and as described in Section 660.

4. Removing and Replacing Improvements. Replace or reconstruct improvements damaged by your operations such as sidewalks, curbs, gutters, pavement, base material, lawns and plants, and other improvements that are removed or broken with the same kind of material as found on the work, or with materials of equal or better quality. Leave the new work in satisfactory and serviceable condition.

Whenever a part of a square or slab of existing sidewalk, curb and gutter, or driveway is broken or damaged, remove the entire square, section, or slab and reconstruct the concrete as above specified. Before removing the sidewalk, driveways, or pavement material, cut the outline of all areas to be removed in concrete sidewalks, driveways, and in pavements through completely with a saw. Make cuts neat and true and prevent shatter outside the removal area.

5. Salvaging or Reusing Electrical Equipment. Power utility has first rights to any salvaged utility components. Salvage and deliver existing electrical equipment, devices, mounting hardware, cables and conductors, and pole accessories to a location indicated on the Plans, the Special Provisions, or by the Engineer.

Jointly inventory, with the Engineer, all equipment, and materials to be salvaged or reused. Perform the inventory within 15 days following the Notice to Proceed. Note on the inventory the location and condition of all materials to be salvaged or reused.

Remove and salvage electrical equipment without damage. Replace at your expense any of the above-mentioned electrical equipment that has been damaged or destroyed by your operations.

Underground conduit, conductors, foundations, junction boxes, and detectors not reused become your property and must be removed from the highway right-of-way. If said materials, except conductors and cables, do not interfere with other construction they may, with approval, be abandoned in place with a credit taken by the Department. To limit future operation and maintenance concerns, remove all cables and conductors from any conduits that will be abandoned in place. Meet Subsection 660-3.02 for foundations abandoned in place.

Fill holes formed by removing junction boxes and foundations with material equivalent to the surrounding material and compact to the same density.

6. Field Tests. Before acceptance of the work, perform the following tests on all electrical systems under this Section, in the presence of the Engineer. Furnish the necessary equipment needed to perform these tests. The Department reserves the right to retest, and the test results will govern the acceptance or rejection of the installation. Replace or repair at your expense, and in an approved manner, any faults in material or any part of the installation revealed by these tests. Repeat the same test until no fault appears.
  - a. Continuity. Test each circuit for continuity.
  - b. Grounds. Test for grounds in each circuit by physically examining the installation to ensure that all required grounding bushings, bonding jumpers, and ground rods have been installed and are mechanically firm.
  - c. Insulation Resistance Test. Perform a megohm test on each circuit, between circuits, and between the circuit and a ground. Measure each detector loop and lead-in cable system at the traffic signal controller cabinet or at the detector cabinet between one loop detector lead-in conductor and the cabinet ground rod. Ensure the insulation resistance is not less than 100 megohms or the minimum specified by the manufacturer, measured at 500 volts DC. Disconnect all lamps and magnetometer sensing probes prior to the insulation resistance test. Document



these tests in writing, for each circuit, and submit to the Engineer prior to acceptance of the system.

- d. Rotation Verification: Maintain existing phase rotation of the system as required for all new sections of cables. Perform phase rotation verification in conjunction with utility staff.
  - e. MV elbows: Build deadbreak and loadbreak elbows per the manufacturer requirements and general instructions found in the Plans.
  - f. All medium voltage circuits shall have each phase tagged (A, B, or C) at termination points and on either side of each splice in a manhole, using plastic tie-tags.
7. Repairing Damaged Finishes. Examine all exterior surfaces for damage in the field, including new, reused, and State-furnished equipment. Repair damaged finishes as follows:
- a. Galvanized. Repair damage to galvanized coatings in conformance with AASHTO M 36.
  - b. Painted.
    - (1) Wash the equipment with a stiff bristle brush using a solution of water containing 2 tablespoons of heavy-duty detergent powder per gallon. After rinsing, wire brush all surfaces to remove all poorly bonded paint, rust, scale, corrosion, grease, or dirt. Remove any dust or residue remaining after wire brushing before priming.
    - (2) You may use factory or shop cleaning methods for metals if equal to the methods specified herein.
    - (3) Immediately after cleaning, coat all bare metal with pre-treatment, vinyl wash primer, followed by 2 prime coats of zinc chromate primer for metal.
    - (4) Give signal equipment, excluding standards, a spot-finishing coat on newly primed areas, followed by 1 finishing coat over the entire surface.
    - (5) Give ungalvanized standards 2 spot-finish coats on newly primed areas.

You may apply all paint coats either by hand brushing or by approved spraying machines. Perform the work in a neat and workmanlike manner. The Engineer reserves the right to require the use of brushes for the application of paint, should the work done by the paint spraying machine prove unacceptable.

**687-3.02 UTILITY POLES.** Provide new wooden utility poles and work at existing utility poles per details on the Plans and per applicable paragraphs of section 660-3.02.

**687-3.03 CONDUIT.** Provide utility conduits per details on the Plans and per Section 660-3.03.

**687-3.04 EQUIPMENT FOUNDATIONS.** Provide utility equipment foundations per details on the Plans and per applicable paragraphs of section 660-3.04.

**687-3.05 WIRING.** Provide utility conductors and cables per details on the Plans, per Section 660-3.05, and as described below.

Medium Voltage Cable Installation: Carefully protect cable from mechanical damage. Provide suitable mechanical protection for reels.

Pull cable directly from reels into the ducts. It may not be laid on the ground or otherwise handled for cutting or sorting. Pulling lubricant, UL-listed and compatible with the cable being pulled, shall be generously applied. Pulling tension (lbs.) not to exceed 0.008 times the circular-mil cross-sectional area of the

conductor. Cables shall not be pulled through more than one intermediate manhole on one pull. Cable ends shall be sealed against moisture after pulling. Pull ropes shall be non-metallic to prevent cutting of duct materials. See Plans for more on pulling requirements.

Pulling tension and side wall pressure shall not exceed the manufacturer's allowable values. Pulling tension shall be continuously monitored during a pull by use of a dynamometer. The dynamometer shall have been calibrated within a year of its use on the project. If the pulling tension or sidewall pressure is exceeded during a pull, the cable shall be considered damaged and shall be replaced by the Subcontractor. See Plans for more on pulling requirements.

See Plans for pulling diagram and additional conductor and cable pulling considerations.

Installation of Cables in Manholes and Handholes: Cable shall not be installed utilizing the shortest route but shall be routed along those walls providing the longest route and the maximum spare cable lengths. Cables shall be formed closely parallel to the walls, shall not interfere with duct entrances, and shall be supported on brackets and cable insulators, spaced at a maximum of four feet. In existing manholes and handholes where new ducts are to be terminated or where new cables are to be installed, the existing installation of cables, cable supports, and grounding shall be modified as required for a neat and workmanlike installation with cables properly arranged and supported. See Plans for pulling diagram and additional pulling considerations.

Split wire-basket cable grips shall be used to restrain conductors in manholes, handholes, and pull boxes on downhill duct runs.

Splicing of cable within manholes is not allowed. Cables shall be continuous until terminations.

At each manhole, handhole or pull box, medium voltage circuit labels, as shown on the drawings, shall be attached to each cable group. As the cable enters it shall be labeled to identify the source. As the cable leaves it shall be labeled to identify its destination. At approximately the center of the cable group it shall be identified with its feeder circuit designation.

Medium Voltage Cable Terminations: Cable terminations shall be per written Manufacturer instructions. The Contractor shall furnish for approval two (2) copies of the manufacturer's termination procedures.

Terminating cables onto deadbreak and loadbreak elbows is a complex, precise, and time-consuming process requiring great care. Cable terminations shall only be done by a qualified contractor specializing in high-voltage splicing, terminations, and testing. Utilize experienced cable splicers having experience specified in the Okonite "Installation Practices for Cable Raceway Systems" Technical Reference document, referenced in Section 687-1.01. Follow written manufacturer instructions. See Plans for additional requirements of cable terminating process at deadbreak and loadbreak elbows.

**687-3.06 BONDING AND GROUNDING.** Provide grounding per details on the Plans, per Section 660-3.06 and as described below.

Grounding of Shielded Cables: Provide a No. 12 AWG or larger solid copper ground connection brought out of each deadbreak and loadbreak termination in a watertight manner and grounded to the ground bus within the switch. Wire shall be trained to the sides of the enclosure in a manner to avoid interference with the working area. See Plans for additional requirements of cable grounding.

The ground bus and bare copper-conductor ground wires shall be bonded to the new ground rods and grounds provided in manhole or vault. See Plans for additional grounding requirements.

**687-3.07 PHASED WORK & MAINTAINING EXISTING ELECTRICAL SYSTEMS.** The existing overhead utilities shall remain energized, fully functional, and protected as required during the new underground installation work. Overhead shall remain active and in use until the complete installation of the underground utilities, utility system testing, and approval by the utility company.

Phased Utility Work: Several circuit iterations shall be provided along the existing and new bridge segments to facilitate bridge reconstruction work. This work will involve phased construction and phased cutovers for utilities along the existing and new bridge sections. See Plans for more information. Provide all phased construction necessary to minimize the number and duration of utility power outages. Contractor shall submit for approval by the Engineer a detailed, written construction phasing plan.

Where an existing system is being modified, the Department will pay for work not shown on the Plans or Special Provisions that is considered necessary to keep all or part of the existing system in effective operation as extra work as provided in Subsection 109-1.05. Portions of the project effort will be completed directly by the utility companies and will be paid for via utility agreements.

Once commencing work on the project, provide all maintenance for existing electrical facilities. The State will pay for the electrical power consumed during construction. The above maintenance does not include previous damage such as burned out lamps, non-operative detection, or other malfunctioning equipment. Present written documentation of all non-functioning and malfunctioning electrical equipment before commencing work on the project. You and the Engineer will inspect this equipment jointly. If work begins on the Project and the Engineer does not receive written notice, this is considered evidence that all equipment is functional and operational.

Ascertain the exact location of existing conduit runs, direct burial cable, junction boxes, and all underground utilities before using equipment that may damage such facilities or interfere with any system. Where roadways are to remain open to traffic and existing lighting systems are to be modified, complete work each day so the lighting system will be in operation by sunset.

Keep existing and temporary electrical installations in effective operation until they are no longer required. Salvage all original and Department-provided equipment according to the provisions in Subsection 660-3.01.6 and remove all other materials from the project.

**687-4.01 METHOD OF MEASUREMENT.** No measurement of quantities will be made. Lump sum payment includes the cost of all materials, work and equipment required to complete the work associated with each pay item described in section 687-5.01.

**687-5.01 BASIS OF PAYMENT.**

Subsidiary work: All work associated with providing the equipment and materials included in this specification that is not specifically covered in the pay items below shall be considered subsidiary to the pay items below and shall not be paid for separate from the pay items below. This includes any work required to access the area necessary to perform work under this and related items, demolition work required and called for, utility locate costs, and coordination costs for working with onsite staff, other trades, and utility representatives. All work associated with necessary phased construction and specific sequences of work shall be considered subsidiary.

Subsidiary to each Pay Item including but not limited to (Except when included as a separate Pay Item):

- (1) General construction requirements,
- (2) Bonding and grounding,
- (3) Bored Casings,
- (4) Completing tests,
- (5) Conductors,
- (6) Conduit,
- (7) Dewatering excavations,
- (8) Excavation, trenches in rock or soil, bedding, backfill for foundations, conduits, components,
- (9) Foundations including concrete to complete foundations
- (10) J-boxes including adjustment to final grade,
- (11) Labeling conductors,
- (12) Maintaining temporary and existing electrical systems,

- (13) Minor routing changes directed by the Engineer,
- (14) Preparing as-builts,
- (15) Removal and disposal of existing/new unused foundations, conduit, conductors, and J-boxes,
- (16) Removing, repairing and replacing improvements,
- (17) Removal of signs and reinstallations required to install foundations, conduits, and J-boxes,
- (18) Repairing damage to finishes on new equipment,
- (19) Salvaging reusable equipment and materials and delivering to the local Maintenance and Operations station including but not limited to existing signal structure, street lighting components, and overhead utility components.
- (20) Wiring

Pay Item **687.2000.0000 Power Utility Relocation**: All work associated with the power utilities will be paid for in pay item 687.2000.0000 Power Utility Relocation. This includes all power utility work shown on the U sheets and includes all work to modify, relocate, or remove existing overhead utility infrastructure including wooden utility poles, overhead infrastructure, and equipment within the project site. This includes all work to remove existing power utility pole and pole mounted equipment, switches, surge arresters, cable terminators, guy wires, grounding, conduits, jumpers, equipment mounts, and dead-end crossarm assemblies. This includes all new work as detailed on the Plans and as specified in the Specifications, and as required to provide complete, operational utility medium voltage distribution systems as shown on the drawings. This includes all equipment, switches, junction cabinets, cables, conductors, conduit, trenching and backfill, grounding & bonding, MV cable elbows, mounting hardware, equipment foundations, utility pole work and existing pole rework, system testing, etc.

Work not within the Contractor's scope includes all pole demolition and new work at utility poles P7, P8, P9, P10.

Payment will be made under:

Pay Item	Pay Unit
687.2000.0000 Power Utility Relocation	Lump Sum

## SECTION 702

### ASPHALT MATERIALS

#### SR STANDARD MODIFICATION

**702-2.01 ASPHALT BINDER.** *Add the following:* PG 58-28 shall have a minimum Elastic Recovery (AASHTO T 350 @Jnr<sub>3.2</sub>) of 50%. Run the AASHTO T 350 test on Rolling Thin Film Oven (RTFO) samples, with the water bath temperature at 58°C.

PG 58-34 shall have a minimum Elastic Recovery (AASHTO T 350 @Jnr<sub>3.2</sub>) of 75%. Run the AASHTO T 350 test on Rolling Thin Film Oven (RTFO) samples, with the water bath temperature at 58°C.

PG 64-28 shall have a minimum Elastic Recovery (AASHTO T 350 @Jnr<sub>3.2</sub>) of 75%. Run the AASHTO T 350 test on Rolling Thin Film Oven (RTFO) samples, with the water bath temperature at 64°C.

**702-2.06 JOINT SEALANT.** *Delete this subsection and replace with the following:* A specially manufactured asphalt sealant (GSB-88 by Asphalt Systems Inc., MasterSeal by SealMaster, or approved equal), STE-1, undiluted CSS-1 or CSS-1h meeting Subsection 702-2.03, or a joint sealant listed on the QPL. GSB-78 is not an equal substitution.

**702-2.07 WARM MIX ASPHALT (WMA).** *Add the following:* For approved technology requiring mineral or chemical additives, comply with the manufacturer's recommendations regarding receiving, storage, and delivery of additives. Provide the Engineer with, and have on file at the asphalt mixing plant, certifications for the WMA additive and the manufacturer's recommendations for the percent of additive to be used to produce WMA. Include procedures for the proper storage and handling of the additive.

**702-2.08 ASPHALT RELEASE AGENT.** *Add the following website address:*  
<https://data.ntpep.org/ARA/Products>

**SRM-28            06/18/2020**

**SECTION 703**

**AGGREGATES**

**SR STANDARD MODIFICATION**

**703-2.04 AGGREGATE FOR HOT MIX ASPHALT.** *Delete this subsection and replace with the following:* Process and crush aggregate that is free from clay balls, organic matter, other deleterious material, and not coated with dirt or other finely divided mineral matter. Use aggregate consisting of sound, tough, durable rock of uniform quality. Use an aggregate source that meets the requirements of Table 703-3.

**TABLE 703-3  
AGGREGATE SOURCE QUALITY FOR HMA**

<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>REQUIRE VALUE</b>
L.A. Wear, %	AASSTO T 96	45, max.
Degradation Value	ATM 313	30, min.
Sodium Sulfate Loss, %	AASSTO T 104	9, max. (5 cycles)
Absorption, %	ATM 308	2.0, max.

A maximum of 15% (by weight) of the aggregate may be blend material from a source that does not meet the requirements of Table 703-3 provided that the aggregate:

1. consists of natural sand, sand prepared from stone, crushed blast-furnace slag, gravel, or any combinations thereof, and
2. consists of hard, tough grains, free of injurious amounts of clay, loam, or other deleterious substances.

The combination of all aggregates shall meet the requirements of Table 703-3A and 703-4.

**Table 703-3A  
BLENDED AGGREGATE QUALITY FOR HMA**

<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>REQUIRE VALUE</b>
Fracture, %	ATM 305	90, 1 face
Flat – Elongated Pieces, %	ATM 306	8, max. (1:5)
Plasticity Index	ATM 205	4.0, max.

**TABLE 703-4**  
**BROAD BAND GRADATIONS FOR HOT MIX ASPHALT AGGREGATE**  
 Percent Passing by Weight

SIEVE	GRADATION		
	Type I	Type II	Type III
1 inch	100	-	-
3/4 inch	80-90	100	-
1/2 inch	60-84	75-90	100
3/8 inch	48-78	60-84	80-90
No. 4	28-63	33-70	44-81
No. 8	14-55	19-56	26-70
No. 16	9-44	10-44	16-59
No. 30	6-34	7-34	9-49
No. 50	5-24	5-24	6-36
No. 100	4-16	4-16	4-22
No. 200	4-7	4-7	4-7

SRM-29      02/26/2020

Add the following subsection:

**703-2.19 SHOT ROCK EMBANKMENT.** Clean shot rock containing no muck, frozen material, roots, sod, or other deleterious matter. Meet Table 703-15.

**TABLE 703-15**  
**QUALITY PROPERTIES FOR SHOT ROCK EMBANKMENT**

TEST NAME	TEST PROCEDURE	SPECIFICATION
L.A. Wear, %	AASHTO T96	50% max.
Specific Gravity, SSD	WAQTC FOP for AASHTO T85	2.55 min.

Meet the following gradation as tested by ATM 304:

**TABLE 703-16**  
**SHOT ROCK EMBANKMENT GRADATION**

SIEVE	PERCENT PASSING BY WEIGHT
8 in.	100
3 in.	40 max.
3/4 in.	10 max.

Oversized material may be used in fills when placed at least 2 feet below the finished subgrade. Restrict maximum rock dimension to 3 feet.

**703-2.19 CHOKER COURSE.** Aggregate containing no muck, frozen materials, roots, sod or other deleterious mater and with a plasticity index not greater than 6 as determined by ATM 204 and ATM 205. Meet the grading requirements of Table 703-17 and as determined by ATM 304.

**TABLE 703-17  
CHOKER COURSE GRADATION**

<b>SIEVE</b>	<b>PERCENT PASSING BY WEIGHT</b>
4 in.	100
2 in.	85-100
No. 4	15-60
No. 200	0-10



**SECTION 706**

**CONCRETE AND PLASTIC PIPE**

**SR STANDARD MODIFICATION**

**706-2.06 PLASTIC PIPE.** *Add the following:*

Underdrains    AASHTO M 278 Type SP

**706-2.07 CORRUGATED POLYETHYLENE PIPE.** *Delete the requirements for Underdrains and replace with the following:*

Underdrains    AASHTO M 252 Type SP  
                    AASHTO M 294 Type SP or DP

**SRM-32            02/26/2020**

**SECTION 709**

**REINFORCING STEEL AND WIRE ROPE**

**SR STANDARD MODIFICATION**

**709-2.02 WIRE ROPE OR WIRE CABLE.** *Replace this subsection with the following:* Meet AASHTO M 30, for the type specified. Use Type 1, Class A if no type is specified.

**SRM-33      02/26/2020**

**SECTION 712**  
**MISCELLANEOUS**

**SR STANDARD MODIFICATION**

**712-2.01 WATER.** *Add the following to the end of the first paragraph:*

Submit test results according to the minimum frequency specified in ASTM C1602.

**SRM-34            02/26/2020**

**SR STANDARD MODIFICATION**

**712-2.08 GLASS BEADS.** *Replace the first sentence with the following:* Submit documentation from the manufacturer that the glass beads conform to these specifications.

**SRM-35            02/26/2020**

**SR STANDARD MODIFICATION**

**712-2.17 METHYL METHACRYLATE PAVEMENT MARKINGS.** *Replace “1. Quality Requirements”, 2, and 3 with the following:*

1. Quality Requirements: Use a marking material formulated for the application type specified. Use a marking material manufactured from new materials and free from dirt and other foreign material. Use a methyl methacrylate based resin system for part “A”. Use a benzoyl peroxide system for part “B”.

Spray, extruded or stenciled application: Material formulated for the intended application with factory intermix beads, anti-skid aggregate, and the application of additional surface applied beads.

Submit a single certification from the manufacturer of the marking material, for each material combination, certifying the combination of marking material, glass beads and anti-skid aggregate, as furnished, provides the durability, color, retroreflectivity, and skid resistance specified.

**712-2.18 GLASS BEADS FOR METHYL METHACRYLATE PAVEMENT MARKINGS.** *Delete this subsection and replace with the following:* Use the type and amount of beads specified in writing by the marking material manufacturer necessary to meet the performance requirements. Glass beads shall contain no more than 200 ppm of lead, 200 ppm of antimony, or 200 ppm of arsenic when tested in accordance with EPA 40 CFR 261.4.

**SRM-36            02/26/2020**

## SECTION 722

### BRIDGE RAILING

Replace Subsection 722-2.01 Bridge Railing with the following:

#### **722-2.01 BRIDGE RAILING.**

Steel tube rail elements	AASHTO A500, Grade B or C
Steel thrie beam elements	AASHTO M 180, Class B, Type II
Posts	ASTM A709, Grade 50
Machine bolts, cap screws, nuts and washers	ASTM A307
High strength bolts, nuts and washers	Subsection 716-2.03
Anchor bolts and rods	ASTM F3125, Grade A325 or ASTM A449, Type 1
Welded studs	AASHTO M 169, Grade 1015 or 1020
Bent anchor rods	ASTM A709, Grade 36
Shims, plates, plate washers, angles, sleeves, shapes and scuppers	ASTM A709, Grade 50
Beveled washers and tapered plate washers	ASTM F436
Neoprene Rubber washers	ASTM D2000 1BC610 or as approved by the Engineer
Galvanize steel portions of railing after Fabrication	AASHTO M111 or M232 and Subsection 716-2.07

## SECTION 724

### SEED

#### STANDARD MODIFICATION

**724-2.02 MATERIALS.** *Replace the second, third, and fourth paragraphs of this subsection with the following:*

Furnish seed true of genus and species. Meet applicable requirements of the State of Alaska *Seed Regulations*, Alaska Administrative Code, Title 11, Chapter 34 (11 AAC 34), and the Federal Seed Act, 7 CFR Part 201.

The Engineer will review requests for genus, species, or cultivar substitution(s). The Contractor shall submit a proposed seed mix accompanied by approval from the Alaska Plant Materials Center, and confirmation the vendor can provide the requested mix in quantities adequate for the project.

1. Prohibited and Restricted Noxious Weeds and Quarantined Pests. Furnish seed certified to be free of prohibited noxious weeds or quarantined pests, and certified to contain no more than the maximum allowable tolerances for restricted noxious weeds, according to 11 AAC 34.
  - a. Seed found to contain prohibited noxious weeds or quarantined pests will be rejected, according to 11 AAC 34.020(a) and 11 AAC 34.105 through 34.180, respectively.
  - b. Seed found to contain restricted noxious weed seed in excess of the maximum allowable tolerance per pound will be rejected, according to 11 AAC 34.020(b).

Prohibited and restricted noxious weeds are listed in 11 AAC 34.020, and can be viewed at the following URL: <http://plants.alaska.gov/invasives/noxious-weeds.htm>.

**HSM20-17      11/30/2020**

## SECTION 727

### SOIL STABILIZATION MATERIAL

#### STANDARD MODIFICATION

##### 727-2.02 MATTING.

4. Knitted Straw Mat. *Replace this numbered item with the following:* Commercially manufactured erosion control blanket. Use photodegradable netting and biodegradable thread. Use straw and straw products from oats, wheat, rye, barley, or other approved grain crops that are certified weed free of prohibited and restricted noxious weed seed and quarantined pests, according to Alaska Administrative Code, Title 11, Chapter 34 (11 AAC 34), and free of mold, or other objectionable material. When straw or straw products certified according to 11 AAC 34 are not available, use non-certified products manufactured within Alaska before certified products manufactured in another state, country, or territory. Non-certified straw or straw products manufactured in another state, country, or territory shall not be used. Grass, legumes, or any other herbaceous plants produced as hay, shall not be substituted for straw or straw products. May contain coconut or fiber to reinforce the straw. Follow the manufacturer's published recommendations.

HSM20-18      11/30/2020

Add the following subsection:

**727-2.04 BONDED FIBER MATRIX (BFM).** Use a hydraulically-applied blanket/mulch/covering composed of long strand, thermally processed and sanitized wood fibers and crosslinked, hydrocolloid tackifier, free from plastic netting. Do not use products containing polyacrylamides. The BFM shall cure within 48 hours to achieve maximum performance. Once cured, the BFM shall form an intimate bond with the soil surface to create a continuous, absorbent, flexible erosion resistant blanket that allows for rapid germination and accelerated plant growth. The BFM may require a 4-8 hour curing period to achieve maximum performance. The BFM shall be 100% biodegradable.

1. Wood Fibers

Wood fibers shall be long strand, whole wood fibers, thermo-mechanically processed from clean, whole wood chips. A minimum of 25% of the fibers shall average 3/8 inches long, with a minimum 50% retained on a No. 25 sieve. Wood chips shall not contain lead paint, printing ink, varnish, petroleum products, or other chemicals that will inhibit seed germination and growth.

Fibers shall be of such character that the fiber will disperse into a uniform slurry when mixed with water. Fibers shall be colored with water soluble, non-toxic dye, to contrast with the area on which the fiber is applied, and shall not stain concrete or painted surfaces.

2. Binder

The tackifier shall be, nontoxic to aquatic organisms, and shall have no growth or germination inhibiting factors.

The tackifier shall be a hydrocolloid based binder. The tackifier shall be bonded to the fiber or prepackaged with the fiber by the manufacturer. The tackifier, including activating agents and additives, shall be a minimum of 10% by weight of the fiber.

The crosslinker shall contain slow-release and agricultural based fertilizers or other proprietary chemicals equaling less than 2% by volume.

Stabilizing emulsion shall be a concentrated liquid chemical that forms a film upon drying and allows water and air to penetrate. Stabilizing emulsion shall be nontoxic to plant or animal life and non-

staining to concrete or painted surfaces. Once cured the mixture shall not dissolve nor disperse upon rewetting. The mixture shall be miscible with water at the time of mixing and application.

BFM materials shall conform to the Materials Certification List, the Plans, specifications, and meet or exceed the following under laboratory conditions:

Mass per unit area	ASTM D6566	11.3 oz/yd <sup>2</sup>
Thickness	ASTM D6525	0.12 Inch
Ground cover	ASTM D6567	97.0 %
Water holding capacity	ASTM D7367	1,400%
Vegetation Establishment	ASTM D7322	600%
Functional Longevity	ASTM D5338	12 months
Biodegradability	ASTM D5338	Yes

Add the following subsection:

**727-2.05 SUBMITTALS.** Submit manufacturer's product data and installation instructions. Include required substrate preparation, list of materials and application rate. Manufacturer shall submit a letter of certification that the product meets or exceeds all technical requirements.

Add the following subsection:

**727-2.06 STORAGE.** Deliver materials and products in UV and weather-resistant factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage, weather, excessive temperatures and construction operations.

## SECTION 729

### GEOSYNTHETICS

*Add the following Subsection:*

**729-2.01 GEOTEXTILE FOR SUBSURFACE DRAINAGE, SEPERATION, STABILIZATION, EROSION CONTROL AND EMBANKMENT REINFORCEMENT.** *Delete item 2 and Replace with the following:*

2. Separation. Provide nonwoven geotextile that meets AASHTO M 288 for Separation, except provide a minimum permittivity of  $0.5 \text{ sec}^{-1}$ , and meets Class 1 Strength Property Requirements.



**SECTION 730**

**SIGN MATERIALS**

**SR STANDARD MODIFICATION**

**730-2.01 SHEET ALUMINUM.** Delete the first sentence of the second paragraph and replace with: Treat the aluminum base metal sheets with conversion coating for aluminum meeting ASTM B921 or ASTM B449, Class 2.

**SRM-37      02/26/202**

**SECTION 731**

**WATERPROOFING MEMBRANE**

*Add the following Subsection:*

**TABLE 731-1 SPRAY-APPLIED WATERPROOFING MEMBRANE**

Replace the value under "Requirements" for "Interlayer Shear Strength" with the following: 30 psi min.

**APPENDIX A**

**CONSTRUCTION SURVEYING REQUIREMENTS**





**Alaska  
Department of  
Transportation  
and  
Public Facilities**

---

**Alaska  
Construction  
Surveying  
Requirements (US  
Customary Units)**



# Alaska Construction Surveying Requirements (US Customary Units)

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# 1. Survey accuracy requirements

## Third order survey

- ✓ Use a 1/5000 horizontal closure.
- ✓ Use an angle closure of  $30\sqrt{N}$  seconds, where N equals the number of angles in the traverse.
- ✓ An Alaska-registered professional land surveyor must perform or supervise replacement of survey monuments (property, USGS, USC&GS, BLM, etc.) or establishment of monuments (including centerline).
- ✓ All monument work must comply with AS 34.65.040 and meet standards in the latest version of the Alaska Society of Professional Land Surveyors' *Standards of Practice Manual*.
- ✓ The allowable vertical error for misclosure is  $e = 0.05\sqrt{M}$  e = maximum misclosure in feet, M = length of the level circuit in miles.

**Table 1—Survey accuracy requirements (in feet)**

	Stationing	HI	Closure	Horizontal Angle	Distance To center line	Grade
Additional cross sections	1.0	0.01	0.04	**	0.1	0.1
Benches		0.01	0.02			
Blue tops***	1.0	0.01	0.04		0.1	0.02
Bridges	*	0.01	0.02			0.01
Centerline	*			*		
Clearing & Grubbing	1.0				1.0	
Culverts	1.0	0.01	0.04	**	0.1	0.1
Curb & gutter	1.0	0.01	0.02		0.1	0.02
Grade stakes	1.0				0.1	0.1
Guardrail	1.0				0.1	
Manholes, catch basins & inlets	1.0	0.01	0.02		0.1	0.02
Monuments	*			*		
Red tops***	1.0	0.01	0.02		0.1	0.05
Riprap	1.0	0.1	0.04		1.0	0.1
Signs	1.0				0.1	
Slope stakes & RP's	1.0	0.01	0.04	**	0.1	0.1
Under drains & sewer	1.0	0.01	0.02		0.1	0.02

\* Third order survey

\*\*Right angle prism or transit angles from center line

\*\*\* Use blue tops for top of base course and red tops for the bottom of base course.



# 1. Survey frequency requirements

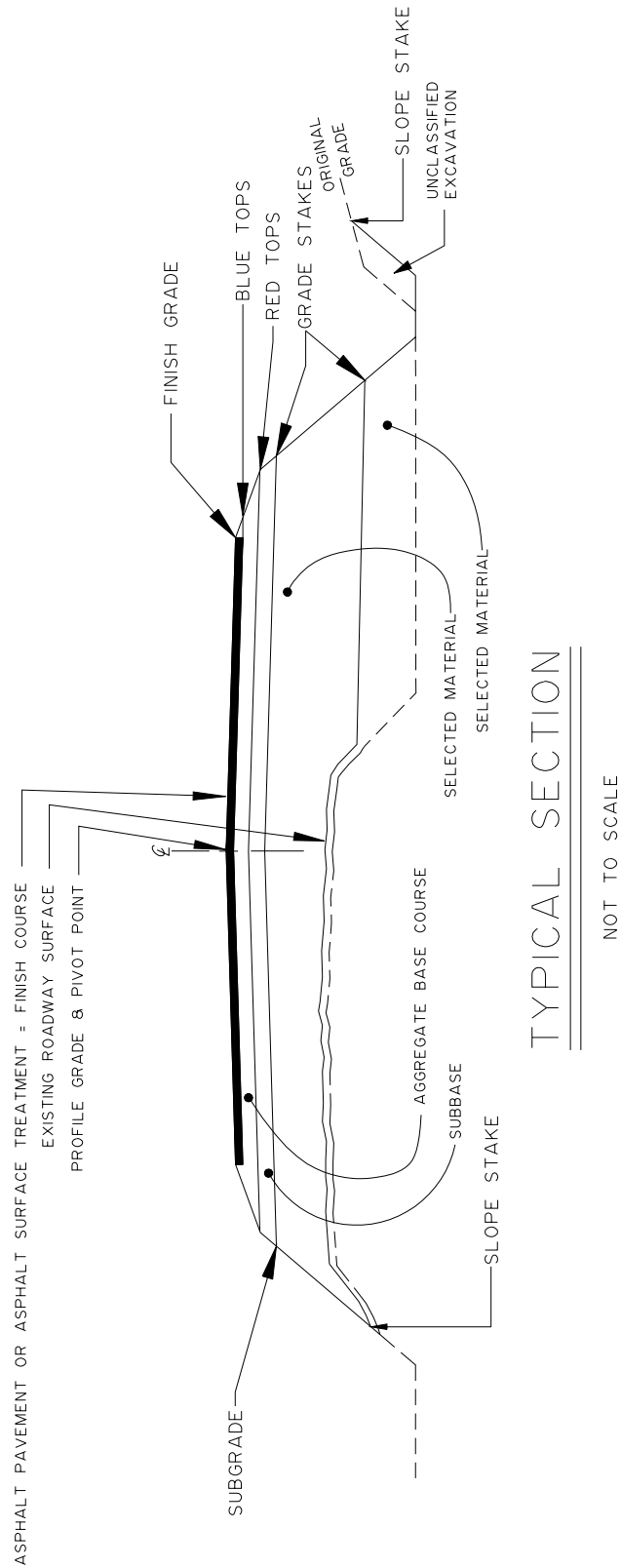
**Table 2—Survey frequency requirements (in feet)**

	Tangents	Curves	Interchange ramps	Stake each per plan	See special instructions on sample notes
Additional cross sections	*	*	*		
Bench marks					X
Blue tops	100	100**	25		X
Blue tops within 100 feet both sides of railroad track crossings and bridge approaches	25	25	25		X
Bridges				X	X
Center line	100	100**	25		
Clearing	100	100**	25		X
Culverts				X	X
Curb and gutter	25	25	25		
Grade stakes	100	100**	50		
Guardrail	25	25	25		
Manholes, catch basins & inlets				X	
Monuments				X	
Red tops	100	100**	25		X
Riprap	50	50	50		
Signs				X	
Slope stake / cross sections	100	100**	25		X
Under drains and sewers	50	25	25		

\* Establish additional cross sections and slope stakes at all breaks in topography and where structures begin and end.

\*\*Curves shall be staked on 50-foot stations if the curve is greater than six degrees.

## 2. Typical Section Drawing



### 3. Survey point materials requirements

- ✓ These are minimum requirements; larger sizes may be necessary.
- ✓ Use only stakes with planed sides.

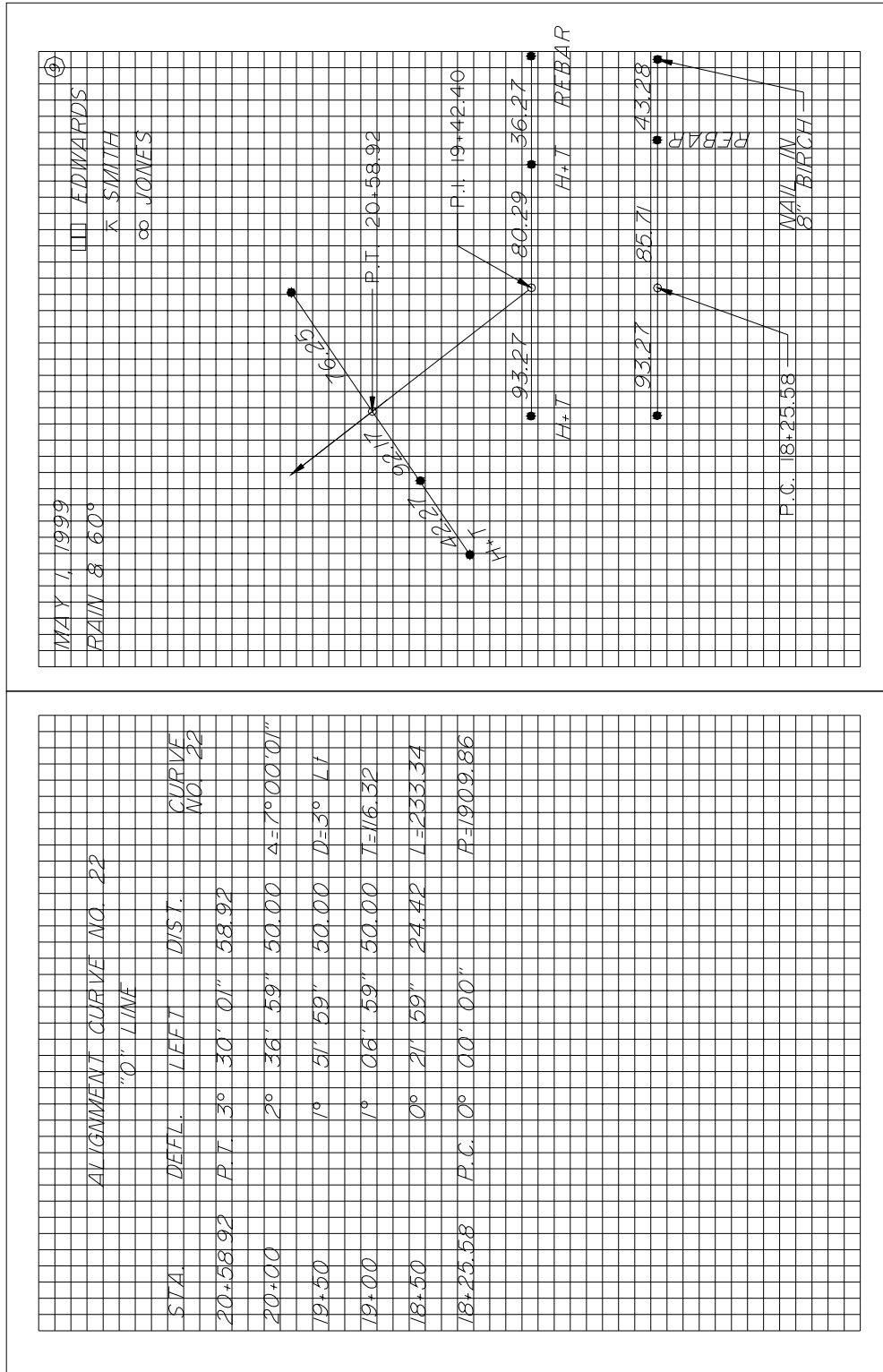
**Table 3—Survey point materials requirements**

	24" lath or whiskers	2" x 2" x 8" hub	2" x 2" x 12" hub	1" x 2" x 18" stake	1" x 2" x 24" stake	48" lath	Hub and tack	40d nail	60d nail	1/2" x 24" rebar
Benchmarks									X	
Blue tops	X	X								
Centerline P.C., P.T., P.O.T.			X	X			X *			X *
Centerline reference points			X	X			X *			X *
Centerline station				X				X		
Clearing						X				
Culvert stake			X		X	X				
Culvert stake references			X		X	X				
Curb and gutter			X		X		X			
Guardrail								X		
Major structures			X	X *	X *	X	X *			X *
Red tops	X	X								
Signs						X				
Slope stake					X	X				
Slope stake references			X		X	X				

\* Optional depending on conditions, and to be determined by the Project Engineer.

## 4. Typical alignment notes

- ✓ The Chief of Parties must prepare the alignment book before actual staking.
- ✓ Don't use swing ties for reference points.
- ✓ Use three point right angle ties, two to the right and one left, or vice versa.
- ✓ Reference P.C., P.I., P.T., and P.O.T.





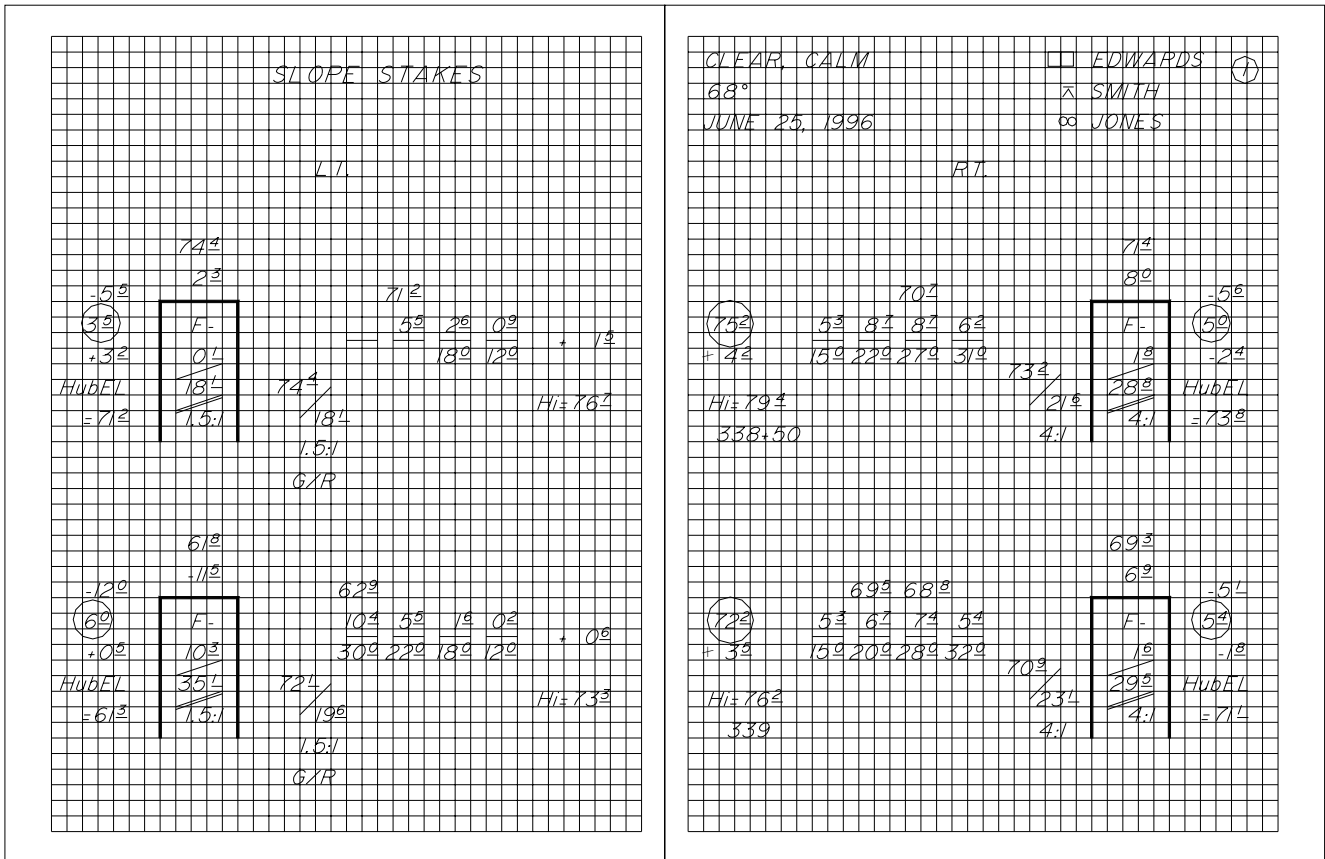
## 6. Typical level notes

- ✓ Balance back sights and foresights.
- ✓ Establish all benchmarks and take the centerline profile before doing any staking involving elevations.
- ✓ Don't set benchmarks in utility poles.
- ✓ Don't use side shots on benchmarks.
- ✓ Use the turn through method when establishing benchmarks.
- ✓ Re-check benchmarks after each major freeze/thaw cycle and/or any environmental event that may change the benchmark elevation.
- ✓ Do not use double rodding.
- ✓ Run separate level loops between all benchmarks.
- ✓ Set benchmarks in trees of at least six-inch diameter, unless approved by the Project Engineer.
- ✓ Correct errors in benchmark elevations so they will not affect the elevations of succeeding benchmarks.
- ✓ Consult with the Project Engineer before placing benchmarks in areas of permafrost or other unstable ground.
- ✓ Establish benchmarks at intervals and locations consistent with good engineering practice, and generally not more than 1000 feet.
- ✓ Completely describe benchmarks when establishing or re-establishing their elevation. Give centerline stationing, offset, benchmark projection, and observable benchmark characteristics. When checking into or out of benchmarks, note the book and page number that contains the most recent elevation establishment for that benchmark.
- ✓ Write the station on the top twelve inches facing centerline, with numerals a minimum of one inch in height.

STA.	BS+	HI	FS-	ELEV.	45'± CLEAR WARM CALM			⊗ □	EDWARDS
					WILD 413579	3-23-90		⊕	SMITH
TBM #101 6+72				161.309	Nail in base of 12" Spruce				
	3.877	165.186			85' 10" LT.				6+72
6+00			1.95	163.24					
6+25			2.32	162.87					
6+50			2.96	162.23					
T.P.			3.246	161.940					
	1.103	163.043							
6+75			2.31	160.73					
7+00			2.56	160.48					
T.P.			2.823	160.220					
	2.332	162.552							
					Nail in base of 18" stump				
TBM #102			1.143	161.409	60' 4" RT	7+21		Elev.	161.413

## 7. Typical slope stake notes

- ✓ Enter the station, elevations, shoulder distance or ditch distances, and slope in the slope stake book before staking begins.
- ✓ In areas where slides or overbreak are anticipated, extend the sections beyond the construction limits.
- ✓ Slope-stake each section that is cross-sectioned.
- ✓ Final re-cross sections are required where there are overbreaks, undercuts, etc. Re-cross section book and page numbers shall be noted on the original cross-section and slope staking page for the relevant stations.
- ✓ Include at least the following information on the stake: (1) where to begin the cut or fill (2) the slope ratio (3) the depth of cut or height of fill and (4) the station.
- ✓ Use a hand level only for one turn up or down from the instrument.
- ✓ Clearly note hand level turns.
- ✓ Use a reference point that is 10-20 feet beyond the slope stake.
- ✓ The reference point must show the cut or fill to the slope stake and must include the slope stake information.
- ✓ Slope stake all abrupt changes in typical sections.
- ✓ Position all laths to face centerline.



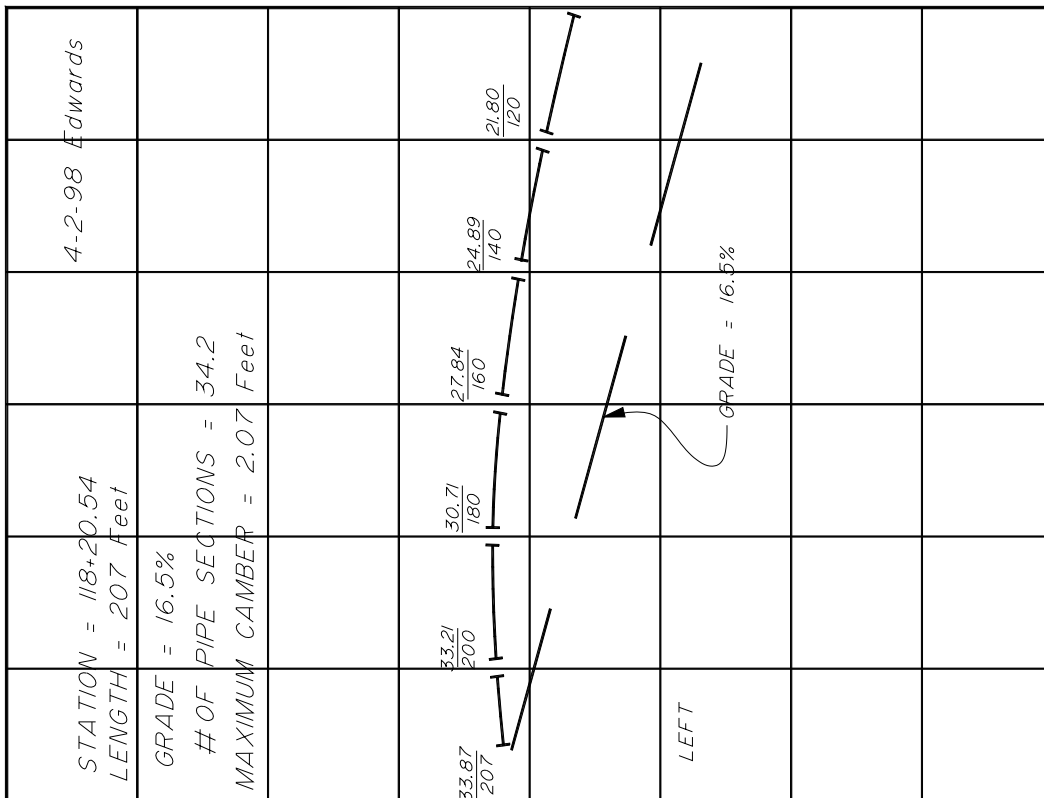
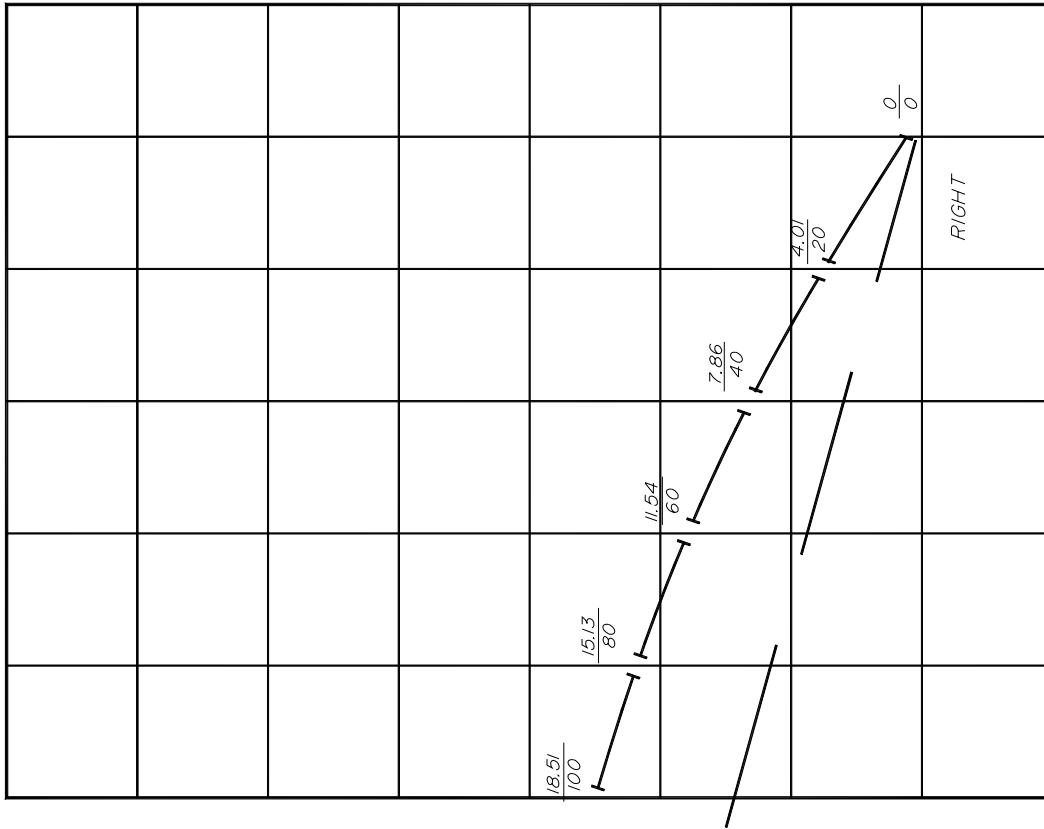
## 8. Typical culvert notes

- ✓ Show at least the following information on culvert stakes
  - station
  - size
  - length
  - type of pipe (e.g., 24" x 80' CMP)
  - cut or fill from top of hub to inlet & outlet
  - skew angle
  - horizontal distance from hub to end of pipe
  - gradient of pipe
  - drop of pipe
- ✓ Ensure that all culverts have a minimum camber equal to 1% of the length of the pipe, unless the Project Engineer directs otherwise.
- ✓ Develop a culvert camber diagram showing each section of pipe and its elevation and offset.

STA.	+	-	CMP STAKING	ELEV.	52"± OVERCAST L.T. BREEZE	Diagram	Notes
T.B.M. No. 101	871	Hi	IRS	53.61	5-25-90		EDWARDS SMITH
① Hub LATH	6232	Z					Hub OUTLET INVERT = 489
② Hub LATH	1392			48.4 F-0.5	343		
CMP TRAY (EXISTING)	1270			49.6 C-0.7			
	1345			48.9 C-0.9			
							Hub INLET INVERT = 516

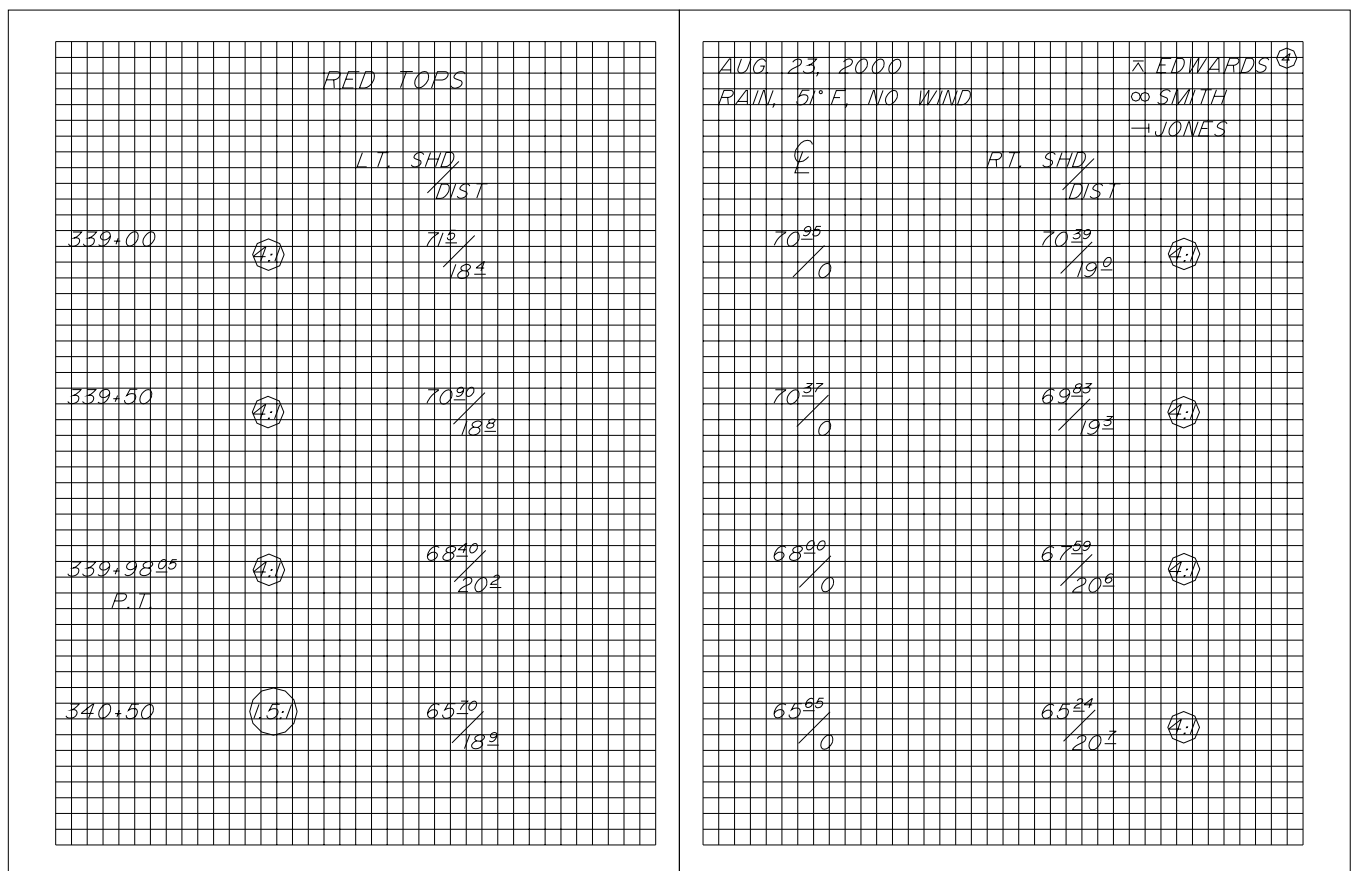


# 9. Typical culvert camber diagram



## 10. Typical blue or red tops and grade stake notes

- ✓ Place blue and red tops at each break in typical section and on centerline.
- ✓ Use blue tops for top of base course.
- ✓ Use red tops for the bottom of the base course.
- ✓ Evenly space red/blue tops at and between crown section break points with a maximum spacing of 25 feet between red/blue tops.
- ✓ Establish horizontal control from centerline references and vertical control from benchmarks.
- ✓ Place blue tops at the same interval as slope stakes.
- ✓ Stake all curve transitions.



**APPENDIX B**

**ENVIRONMENTAL COMMITMENTS**



# **APPENDIX B**

## **ENVIRONMENTAL COMMITMENTS & PERMITS**

**Appendix B-1: SFHWY00072 Section 401/Section 10 USACE NWP 3a & 3b**

**Appendix B-2: ADF&G Fish Habitat Permits**

**Appendix B-3: Invasive Species Locations**

## CONTRACTOR ENVIRONMENTAL COMMITMENTS

The contractor shall comply with the terms and conditions of USACE Nationwide Permits 3a & 3b (POA-2021-00240), and ADF&G Fish Habitat Permit (FH21-VII-0021, FH21-VII-0018 & FH21-VII-0018 Amended), as well as the following:

### General Conditions

- Conduct a new invasive plant survey during the summer of 2021. Comply with **Special Specification 201-3.07 Control of Invasive Plant Species**.
- Comply with **Special Specification 201-3.01 Clearing and Grubbing**. The migratory bird windows are April 15 - July 15 (forest or woodland habitat).
- Disturbed surface areas would be watered, and construction equipment would receive regular maintenance to reduce air quality impacts.

### Essential Fish Habitat

- In-water work will occur between **November 1 and May 1** during low-tide for Herring Cove Creek, anadromous stream #101-45-10070 (FH21-VII-0021).
- In-water work will occur between **May 25 and September 1, 2022** for Herring Cove Creek tributary, anadromous stream #101-45-10068 (FH21-VII-0018 & amendment). Contact DOT and ADF&G at least three business days prior to working in the tributary to remove and exclude fish from the work area. A de-watering plan shall be submitted to ADF&G for approval at least 5 days prior to beginning construction.
- Remove the existing support pier wall to an elevation 1 foot below the existing stream bed to minimize disturbance to the creek bottom.
- Install an oversized fish pipe (48" diameter, 1% slope, 40% embedded, corrugated metal) at the S. Tongass Hwy/Wood Rd. intersection to improve fish passage for rearing coho salmon.

### Waters of the U.S.

- NWP 3a and 3b expires on **March 18, 2022**. Construction must begin prior to March 18, 2022 in order for the permit to be valid until March 18, 2023. A second NWP #3 verification must be applied for by **December 2022** if construction below HTL, or on the Wood Road culvert, is projected to continue after March 18, 2023.
- Install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the authorized work area. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion.

- Use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete blocks with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.
- All excavated or dredged material being displaced shall be disposed of at an upland location.
- Ensure that the project minimizes alterations to water circulation patterns to the extent practicable. If it is determined by the Corps that the project negatively impacts the hydrology within the wetland, the permittee may be required to take additional measures (i.e. install additional depressed road beds, culvert(s), or a similar water conduit) beneath the road to re-establish the hydrology of the area to that of pre-construction conditions.

**Appendix B-1: SFHWY00072 Section 401/Section 10 USACE NWP  
3a & 3b; POA-2021-00240**





**DEPARTMENT OF THE ARMY**  
**ALASKA DISTRICT, U.S. ARMY CORPS OF ENGINEERS**  
**REGULATORY DIVISION**  
**P.O. BOX 6898**  
**JBER, AK 99506-0898**

June 10, 2021

Regulatory Division  
POA-2021-00241

Benjamin Storey  
Regional Manager  
ADOT&PF Southcoast Region  
PO Box 112506  
Juneau, Alaska 99811

Dear Mr. Storey:

This is in response to your April 15, 2021, application for a Department of the Army (DA) permit to discharge 3,891 cubic yards of fill material into 0.55-acre below the High Tide Line in order to replace the bridge at Herring Cove Creek and to discharge 98.4 cubic yards of fill material in 0.02-acre of wetlands and unnamed stream to replace old culvert. It has been assigned file number POA-2021-00241, Herring Cove, which should be referred to in all future correspondence with this office. The project site is located within Section 36, T. 75 S., R. 31 E., Copper River Meridian; USGS Quad Map Ketchikan B-5; Latitude 55.326512° N., Longitude -131.525342° W.; South Tongass Highway; about 750 feet north of milepost 8; in Ketchikan, Alaska.

Based on our review of the information you furnished and available to us and/or our date site visit, we have preliminarily determined the above property/project area contains waters of the United States (U.S.), including wetlands, under the Corps of Engineers (Corps) regulatory jurisdiction. See the attached Preliminary Jurisdictional Determination (PJD) Form. Please sign and return the form to our office. A PJD is not appealable. At any time you have the right to request and obtain an Approved Jurisdictional Determination (AJD), which can be appealed. If it is your intent to request an AJD, do not begin work until one is obtained.

DA authorization is necessary because your project will involve work in and/or placement of structures and/or fill material into waters of the U.S. under our regulatory jurisdiction.

Based upon the information and plans you provided, we hereby verify that the work described above, which would be performed in accordance with the enclosed plans [sheets 1–14, dated April 2021] is authorized by Nationwide Permit (NWP) No. 3(a) and 3(b), Maintenance. Enclosed is a copy of the NWP No. 3, as well as the Regional and General Conditions. These documents are also available on our website at:

[www.poa.usace.army.mil/Missions/Regulatory/Permits](http://www.poa.usace.army.mil/Missions/Regulatory/Permits). Regional Conditions C – Activities Involving Trenching, D – Site Restoration for Project with Ground Disturbing Activities, E – Delineation of Project Footprint, F – Maintenance of Hydrology Patterns, and G – Relocation of Stream Beds, apply to your project. You must comply with all terms and conditions associated with NWP No. 3(a) and 3(b), as well as with the special conditions listed below:

1. Erosion Control: The Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the authorized work area. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion.
2. Fill Material: The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete blocks with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.
3. Upland Staging/Disposal: All excavated or dredged material being displaced shall be disposed of at an upland location.
4. The permittee shall ensure that the project minimizes alterations to water circulation patterns to the extent practicable. If it is determined by the Corps that the project negatively impacts the hydrology within the wetland, the permittee may be required to take additional measures (i.e. install additional depressed road beds, culvert(s), or a similar water conduit) beneath the road to re-establish the hydrology of the area to that of pre-construction conditions.
5. If human remains, historic resources, or archaeological resources are encountered during construction, all ground disturbing activities shall cease in the immediate area and you shall immediately (within one business day of discovery) notify the U.S. Army Corps of Engineers (Corps), Alaska District, Regulatory Office at P.O. Box 6898 JBER, Alaska 99506-0898. Upon notification the Corps shall notify the appropriate Tribal Historic Preservation Office (THPO) and State Historic Preservation Office (SHPO). Based on the circumstances of the discovery, equity to all parties, and consideration of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. After such notification, project activities on federal lands shall not resume without written authorization from the Corps, and/or THPO, SHPO, and federal manager. After such notification, project activities on tribal lands shall not resume without written authorization from the SHPO and the Corps.

Further, please note General Condition 30 requires that you submit a signed certification to us once any work and required mitigation are completed. Enclosed is the form for you to complete and return to our office.

Unless this NWP is modified or revoked, it expires on March 18, 2022. If you commence or are under contract to commence this activity before the date that the 2017 NWPs are modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the NWPs to complete the activity under the present terms and conditions of these nationwide permits. It is incumbent upon you to remain informed of the changes to the NWPs. Nothing in this letter excuses you from compliance with other Federal, State, or local statutes, ordinances, or regulations.

Please contact me via email at [Estrella.f.campellone@usace.army.mil](mailto:Estrella.f.campellone@usace.army.mil), by mail at the address above, by phone at (907) 753-2518, or toll free from within Alaska at (800) 478-2712, if you have questions or to request paper copies of the regional and/or general conditions. For more information about the Regulatory Program, please visit our website at [www.poa.usace.army.mil/Missions/Regulatory](http://www.poa.usace.army.mil/Missions/Regulatory).

Sincerely,

A handwritten signature in black ink, appearing to read 'Estrella Campellone', written in a cursive style.

Estrella Campellone  
Project Manager

Enclosures

ENCLOSURE



**US Army Corps of Engineers  
Alaska District**

Permit Number: POA-2021-00240

Name of Permittee: Benjamin Storey, ADOT&PF Southcoast Region

Date of Issuance: June 10, 2021

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to Ms. Estrella Campellone at [Estrella.f.campellone@usace.army.mil](mailto:Estrella.f.campellone@usace.army.mil), or the following address:

U.S. Army Corps of Engineers  
Alaska District  
Regulatory Division  
Post Office Box 6898  
JBER, Alaska 99506-0898

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

# Preliminary Jurisdictional Determination Form

This preliminary JD find that there "may be" waters of the United States on the subject project site that could be affected by the proposed activity based on the following information:

District Office  File/ORM #  PJD Date

State  City/County

Nearest Waterbody  Name and Address of Person Requesting PJD

Project Location Section(s)  Township

Meridian  Range

USGS Quad Map  Latitude   Longitude

Subdivision Name, Block, Lot, Directions to Project Site

Identify (Estimate) Amount of Waters in the Review Area	Stream Flow	Name of Any Water Bodies on the Site Identified as Section 10 Waters:	Tidal: <input type="text" value="Herring Cove"/>
<u>Non-Wetland Waters:</u>	<input type="text"/> Linear ft <input type="text"/> Width <input type="text" value="0.001"/> Acres <input type="text" value="Perennial"/>	<input type="text"/>	Non-Tidal: <input type="text" value="Unnamed Stream"/>
<u>Wetlands</u>	<input type="text" value="0.57"/> Acres Cowardin Class: <input type="text" value="Estuarine"/>	<input type="checkbox"/> Office (Desk) Determination	Date of Site Visit: <input type="text"/>
		<input type="checkbox"/> Field Determination	

**SUPPORTING DATA:** Data Review for Preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below)

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - Office concurs with data sheets/delineation report.
  - Office does not concur with data sheets/delineation report.
- Data Sheet prepared by the Corps
- Corps navigable waters' study:
- USGS NHD Data.
- USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s) Cite quad name:
- USDA Natural Resources Conservation Service Soil Survey. Citation:
- National Wetlands Inventory map(s):
- State/Local Wetland Inventory map(s):
- FEMA/FIRM map(s):
- 100-year Floodplain Elevation:
- Photographs:
  - Aerial (Name & Date)
  - Other (Name & Date)
- Previous determination(s). File # and date of response letter:
- Other Information:

**IMPORTANT NOTE:** The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

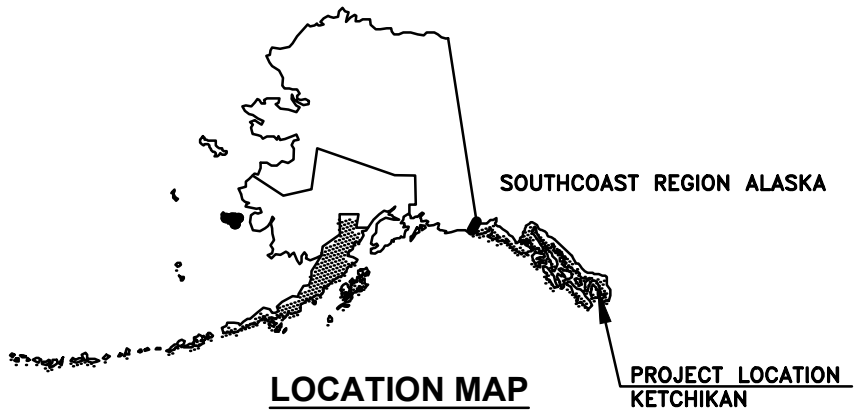


June 10, 2021

Signature and Date of Regulatory Project Manager  
(REQUIRED)

Signature and Date of Person Requesting Preliminary JD  
(REQUIRED, unless obtaining the signature is impracticable)

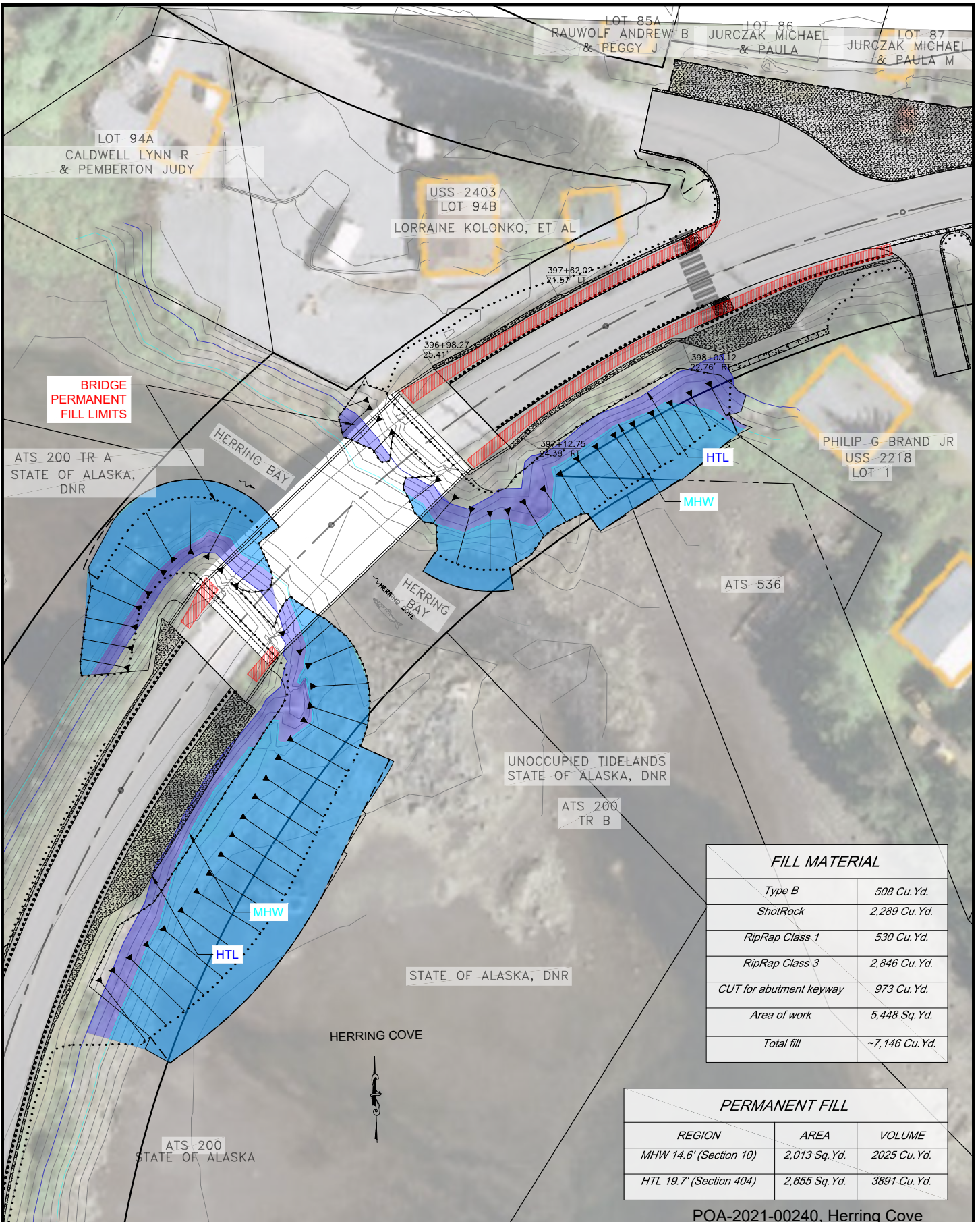
**EXPLANATION OF PRELIMINARY AND APPROVED JURISDICTIONAL DETERMINATIONS:** 1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time. 2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.



**LOCATION & VICINITY MAPS**

*APPLICATION BY:*  
 ALASKA STATE DEPT. OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 DESIGN & ENGINEERING SERVICES DIVISION  
 SOUTHEAST REGION

KETCHIKAN  
 HERRING COVE BRIDGE IMPROVEMENTS  
 AT: KETCHIKAN ALASKA  
POA-2021-00240, Herring Cove



**BRIDGE  
PERMANENT  
FILL LIMITS**

ATS 200 TR A  
STATE OF ALASKA,  
DNR

HERRING BAY

HERRING BAY

PHILIP G BRAND JR  
USS 2218  
LOT 1

ATS 536

UNOCCUPIED TIDELANDS  
STATE OF ALASKA, DNR

ATS 200  
TR B

STATE OF ALASKA, DNR

HERRING COVE

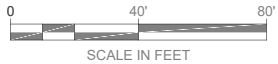
ATS 200  
STATE OF ALASKA

FILL MATERIAL	
Type B	508 Cu. Yd.
ShotRock	2,289 Cu. Yd.
RipRap Class 1	530 Cu. Yd.
RipRap Class 3	2,846 Cu. Yd.
CUT for abutment keyway	973 Cu. Yd.
Area of work	5,448 Sq. Yd.
Total fill	~7,146 Cu. Yd.

PERMANENT FILL		
REGION	AREA	VOLUME
MHW 14.6' (Section 10)	2,013 Sq. Yd.	2025 Cu. Yd.
HTL 19.7' (Section 404)	2,655 Sq. Yd.	3891 Cu. Yd.

POA-2021-00240, Herring Cove

**WATER BODIES:**  
HERRING COVE



**CORPS OF ENGINEERS  
JURISDICTIONAL REGIONS**

APPLICATION BY:  
ALASKA STATE DEPT. OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHCOST REGION

KTN HERRING COVE  
PROJECT NO. 00072  
AT: KETCHIKAN, ALASKA  
SEC. 25, 36 IN T. 75 S. R 91 E,  
SEC. 8, 17, 18, 19, 30 IN T. 75 S. R 92 E,  
CRM, KETCHIKAN B-5 QUADRANGLE MAP



<i>PERMANENT FILL</i>	
<i>Fill Area added</i>	<i>97.3 Sq. Yd.</i>
<i>Fill under OHW</i>	<i>5.79 Sq. Yd.</i>
<i>Total Fill used in realignment of Wood Rd</i>	<i>98.4 Cu. Yd.</i>

HERRING BAY

FITZGERALD ROLLAND LEE & BARBARA AN  
ATS 509

USS 3397  
LOT 37

FITZGERALD ROLLAND LEE & BARBARA AN

WOOD ROAD

OHW

MHW

HTL

PERMANENT FILL LIMITS

OHW

OHW

<i>NEW CULVERT</i>	
<i>Diameter</i>	<i>48"</i>
<i>Length</i>	<i>55.6 Ft.</i>
<i>Slope</i>	<i>1.2 %</i>
<i>Inlet</i>	<i>18.27'</i>
<i>Outlet</i>	<i>17.60'</i>

LOT 32A  
JOHN M & MARY E BROWN

OHW

POA-2021-00240, Herring Cove

WATER BODIES:  
HERRING COVE



**CORPS OF ENGINEERS  
JURISDICTIONAL REGIONS**

APPLICATION BY:  
ALASKA STATE DEPT. OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHCOAST REGION

KTN HERRING COVE  
PROJECT NO. 00072

AT: KETCHIKAN, ALASKA  
SEC. 25, 36 IN T. 75 S. R 91 E,  
SEC. 8, 17, 18, 19, 30 IN T. 75 S. R 92 E,  
CRM, KETCHIKAN B-5 QUADRANGLE MAP

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFWHY00072/0902043	2020	N3	TtIShts

**GENERAL NOTES**

DESIGN:..... AASHTO LRFD Bridge Design Specifications, 2020 Edition, with latest interim specifications.  
 Seismic design per AASHTO Guide Specifications for LRFD Seismic Bridge Design, 2011 with latest interim revisions.

LIVE LOAD:..... HL-93

DEAD LOAD:..... Includes 50 psf for all wearing surfaces.

SEISMIC PARAMETERS:.....  
 PGA = 0.09  
 S<sub>s</sub> = 0.18  
 S<sub>1</sub> = 0.14  
 Site Class = D  
 Liquefaction Potential = Moderate  
 AASHTO 7% probability of exceedance in 75 years.

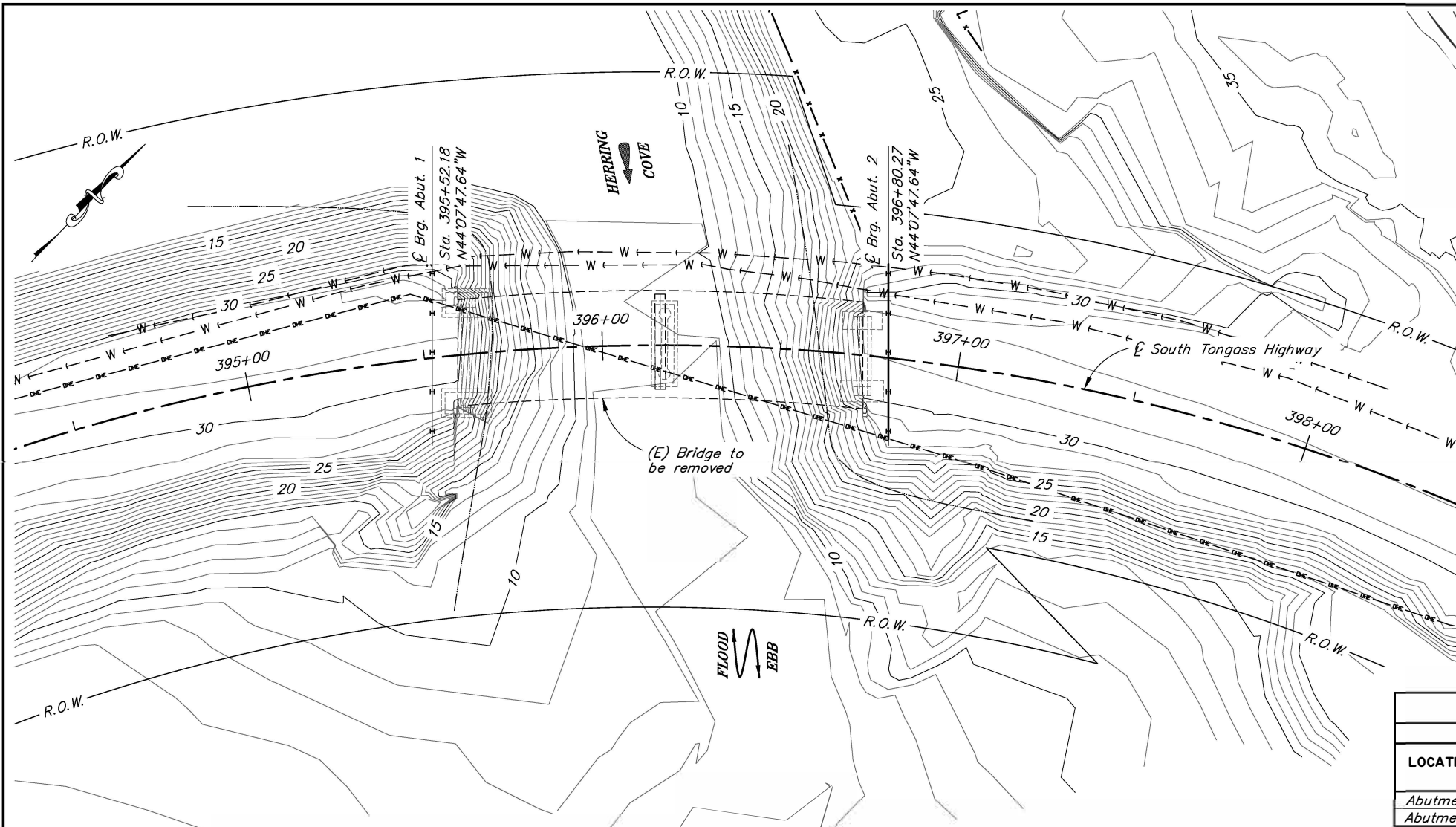
REINFORCEMENT:..... ASTM A706, Grade 60, F<sub>y</sub> = 60,000 psi  
 ASTM A970 Headed bars, Class HA.  
 Space reinforcement evenly unless otherwise noted.

PRESTRESSED CONCRETE:..... See "GIRDERS" Dwg.

CONCRETE:..... Class A Concrete unless otherwise noted, f'<sub>c</sub> = 4000 psi

STRUCTURAL STEEL:..... ASTM A709, Grade 36T3, F<sub>y</sub> = 36,000 psi  
 Galvanize structural steel in accordance with AASHTO M111 unless shown otherwise.

STRUCTURAL STEEL PILING:..... ASTM A709, GR50T3, F<sub>y</sub> = 50,000 psi.  
 Embed piles into rock sockets



**SITE PLAN**



ROCK SOCKET PILE DATA TABLE							
LOCATION	SHAFT TYPE	INSTALLATION CRITERIA			DESIGN DATA		
		TIP ELEVATION (ft.)	MINIMUM ROCK SOCKET LENGTH (ft.)	MINIMUM TOP OF ROCK SOCKET ELEVATION (ft.)	STRENGTH FACTORED LOAD (K)	NOMINAL RESISTANCE (K)	RESISTANCE FACTOR, φ
Abutment 1	HP 12x74	-1	4.0	3	620	> 1,240	0.50
Abutment 2	HP 12x74	7	4.0	11	620	> 1,240	0.50

**ESTIMATE OF QUANTITIES**

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL QUANTITY
202.0023.0000	Removal of Bridge	LS	LS	All Req'd	All Req'd	All Req'd
203.0005.0000	Borrow, Type C	CY	CY	6,000	---	6,000
205.0006.0000	Structural Fill	CY	CY	1,387	---	1,387
501.0001.0000	Class A Concrete	LS	CY	62.5	205.0	267.5
501.0007.0000	Precast Concrete Member, 129'-0" Decked Bulb-T	EA	EA	---	11	11
503.0001.0000	Reinforcing Steel	LS	LBS	13,553	---	13,553
503.0002.0000	Epoxy-Coated Reinforcing Steel	LS	LBS	238	31,547	31,785
505.0005.1274	Furnish Structural Steel Piles, HP 12x74	LF	LF	218.0	---	218.0
505.2005.1274	Drive Structural Steel Piles, HP 12x74	EA	EA	10	---	10
507.0001.0000	Steel Bridge Railing, 3- Tube	LF	LF	---	342	342
507.0002.0000	Pedestrian Railing	LF	LF	---	342	342
508.2000.0000	Waterproofing Membrane, Spray-Applied	LS	SF	---	569	569
606.0016.0000	Transition Rail	EA	EA	---	4	4
611.0001.0001	Riprap, Class I	CY	CY	700	---	700
611.0001.0002	Riprap, Class II	CY	CY	1,400	---	1,400
611.0001.0003	Riprap, Class III	CY	CY	3,100	---	3,100

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

**ABBREVIATIONS:**

- ℄ = centerline
- ℄ = plate
- & = and
- @ = at
- ∅ = diameter
- ± = approximate
- Abut. = abutment
- Approx. = approximate
- b.f. = back/dirt face
- bot. = bottom
- Br. = bridge
- btwn. = between
- Brg. = bearings
- C.I.P. = cast in place
- C.G. = center of gravity
- C.J.P. = complete joint penetration
- Clr. = clear, clearance
- CY = cubic yard
- dia. = diameter
- Dwg. = drawing
- E = expansion
- (E) = existing
- EA = each
- Elev. = elevation
- e.f. = each face
- e.w. = each way
- E.H.T. = extreme high tide
- Ext. = exterior
- F = fixed
- f.f. = front/air face
- f'c = specified concrete compressive strength
- F<sub>y</sub> = yield stress
- Galv. = galvanize
- Hwy. = highway
- Int. = interior
- Jt. = joint
- ksf = 1000 pounds per square foot
- ksi = 1000 pounds per square inch
- LB = pound
- LF = linear foot
- LS = lump sum
- Lt. = left
- m = multiple presence factor
- max. = maximum
- min. = minimum
- N/A = not applicable
- n.f. = near face
- No. = number
- o.c. = on center
- O.H.W. = ordinary high water
- DHE = overhead electrical cable
- pcf = pounds per cubic foot
- psf = pounds per square foot
- psi = pounds per square inch
- R.O.W. = right of way
- Rt. = right
- Rd. = road
- spc. = space, spaces
- Sta. = station
- Std. = standard
- SF = square feet
- Symm. = symmetric
- Typ. = typical
- UT = ultrasonic testing
- VPC = point of vertical curve
- VPI = point of vertical intersection
- VPT = point of vertical tangent
- W - - - = underground waterline
- w/ = with

R:\cadd\253\253-SITE PLAN Flt. Sep/25/20 02:16pm

DESIGNED BY: Nick Murray	CHECKED: Douglas Gellineau	FOUNDATIONS REVIEWED BY: Engineer
DRAWN BY: Sam Sollie	CHECKED: Nick Murray	
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gellineau	

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 BRIDGE SECTION  
 3132 Channel Drive  
 Juneau, Alaska 99801  
 907-465-2975

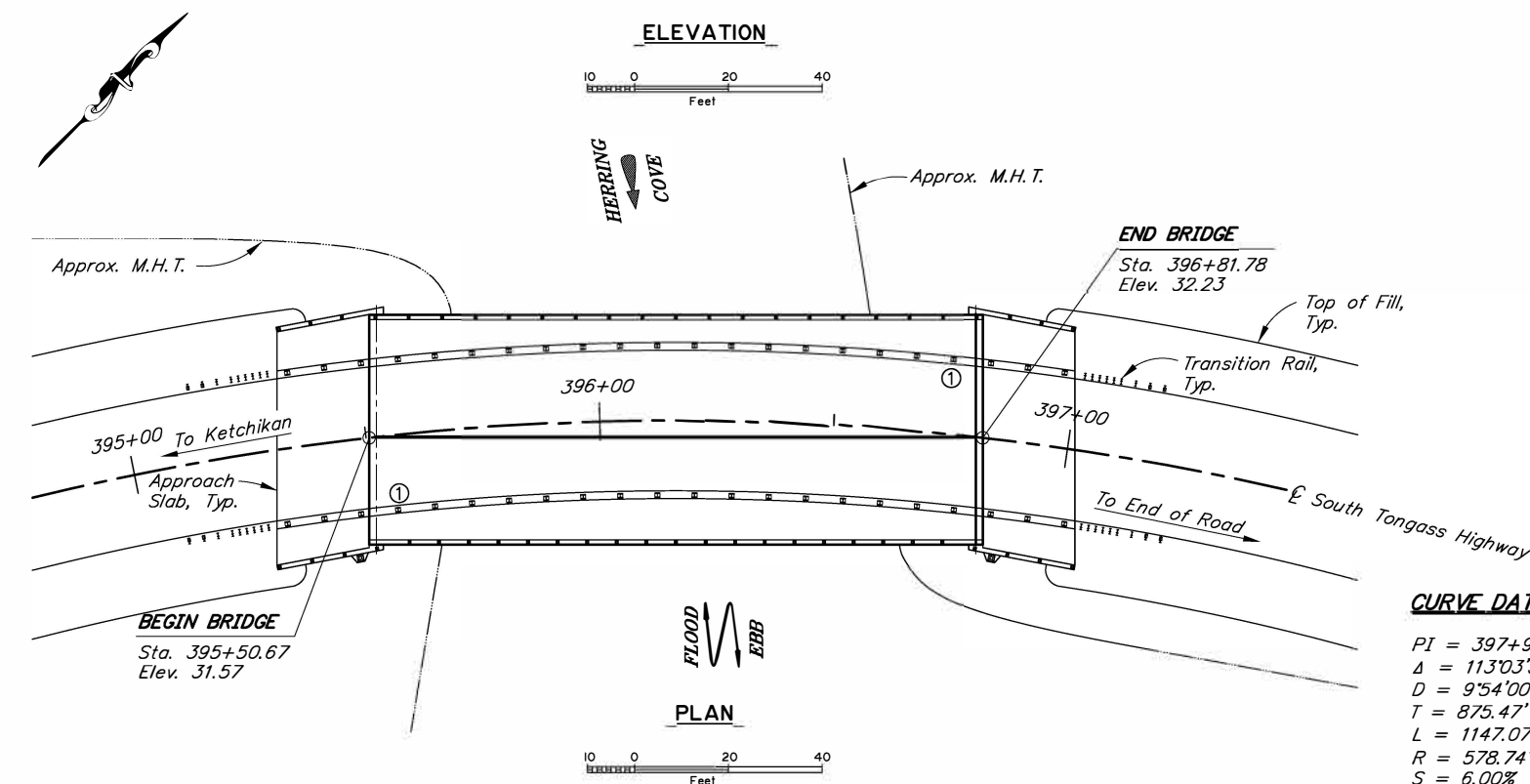
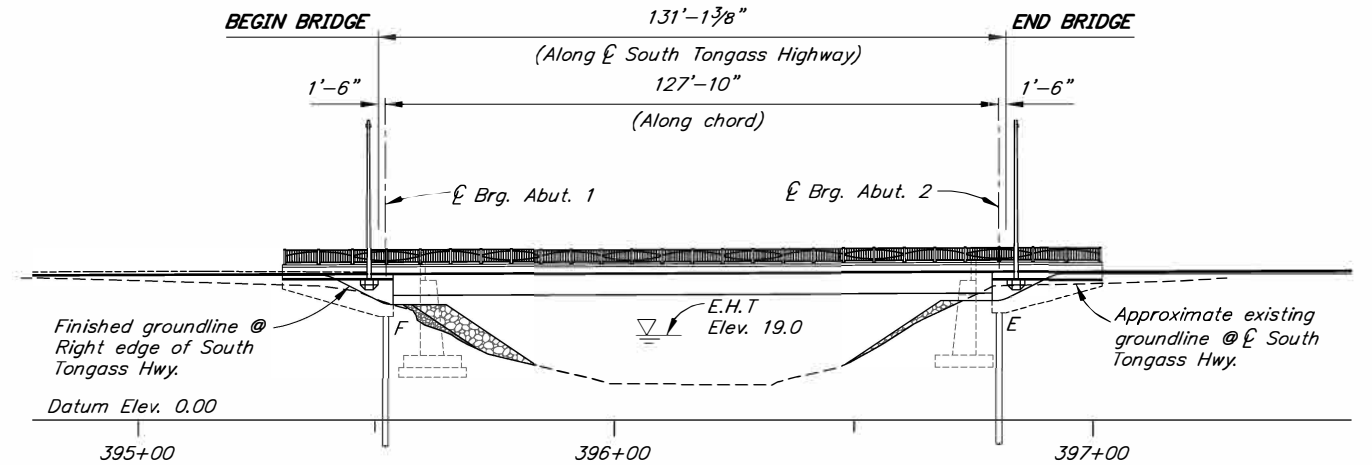
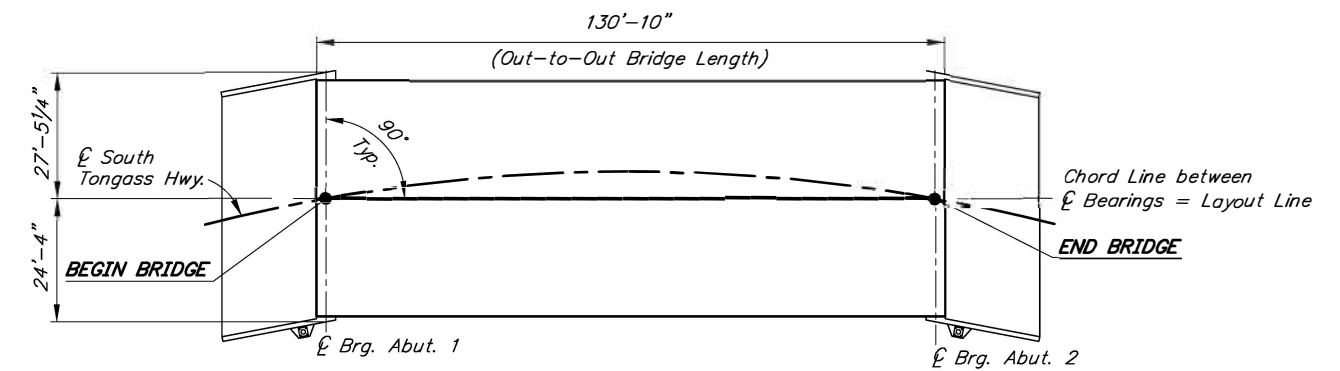
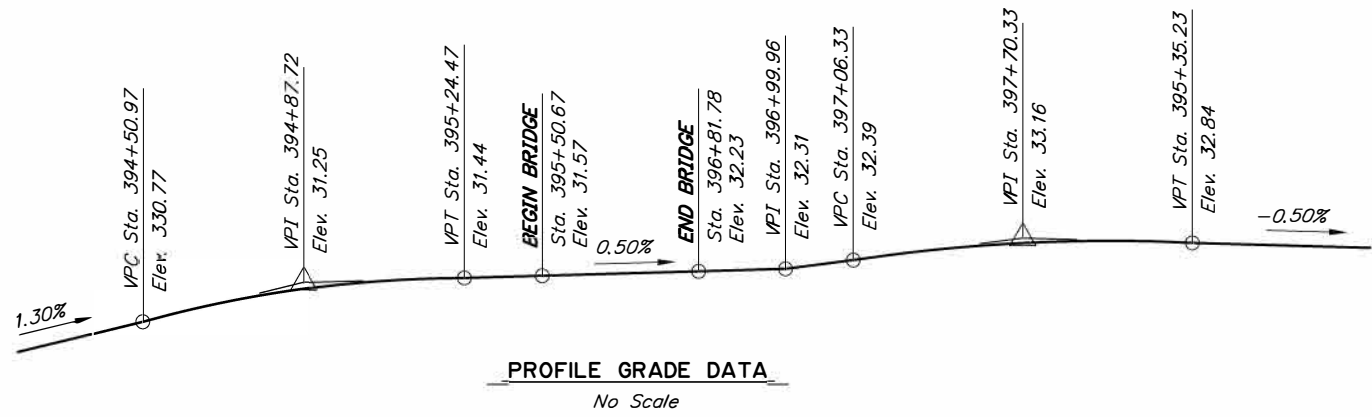
**PRELIMINARY PLAN**

**HERRING COVE BRIDGE**  
 SOUTH TONGASS HIGHWAY  
**SITE PLAN**

Sheet 4 of 14  
 April 2021  
 BRIDGE NO. 253  
 DWG. NO. 3

POA-2021-00240  
 Herring Cove

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHY00072/0902043	2020	N1	TtlShts



**CURVE DATA:**  
 PI = 397+95.85  
 Δ = 113°03'56"  
 D = 9°54'00"  
 T = 875.47'  
 L = 1147.07'  
 R = 578.74'  
 S = 6.00%

DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
STAGED CONSTRUCTION	2
SITE PLAN	3
RIPRAP LAYOUT	4
RIPRAP DETAILS	5
EXISTING BRIDGE DETAILS	6
ABUTMENT 1	7
ABUTMENT 1 DETAILS	8
ABUTMENT 2	9
ABUTMENT 2 DETAILS	10
WINGWALLS	11
LUMINAIRE CORBEL	12
FRAMING PLAN AND TYPICAL SECTION	13
GIRDERS	14
GIRDER DETAILS	15
SIDEWALK PLAN	16
SIDEWALK DETAILS	17
APPROACH SLABS	18
PEDESTRIAN RAILING	19
STEEL BRIDGE RAILING, 3-TUBE	20
TRANSITION RAIL, 3-TUBE	21
LOG OF TEST BORINGS	22-

## PRELIMINARY PLAN

**NOTES**  
 ① Approximate location of Bridge Number Plate.

R:\cadd\253\253-GENERAL LAYOUT.Flt, Sep/25/20 02:18pm

DESIGNED BY: Nick Murray	CHECKED BY: Douglas Gellineau	LAYOUT BY: Nick Murray	CHECKED BY: Douglas Gellineau
DRAWN BY: Sam Sallie	CHECKED BY: Nick Murray	SPECIFICATIONS BY: Nick Murray	P S & E COMPARED BY: Douglas Gellineau
QUANTITIES BY: Nick Murray	CHECKED BY: Douglas Gellineau	APPROVAL RECOMMENDED BY:	Rich Pratt

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 BRIDGE SECTION  
 3132 Channel Drive  
 Juneau, Alaska 99801  
 907-465-2975

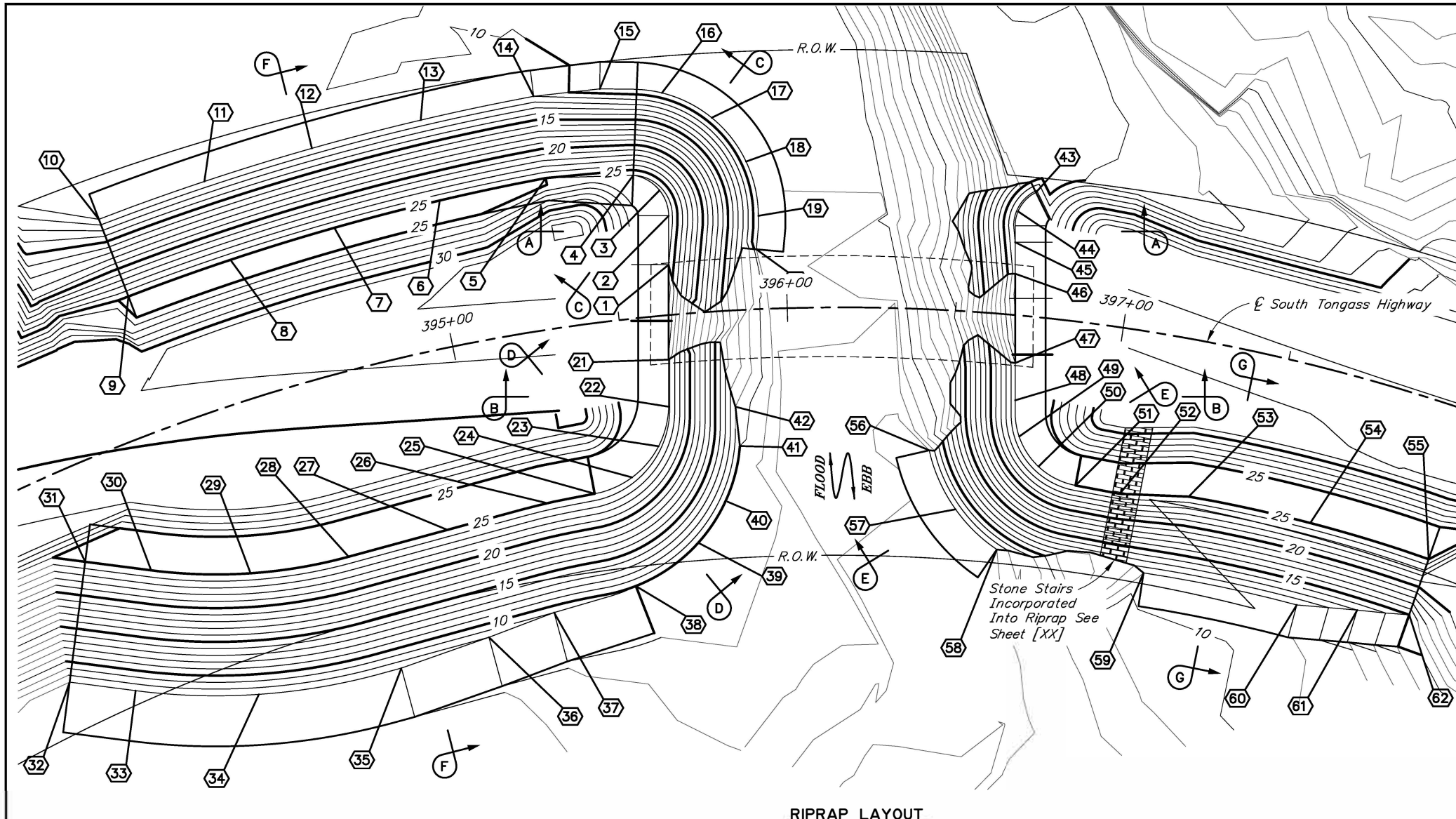
## HERRING COVE BRIDGE

### SOUTH TONGASS HIGHWAY

## GENERAL LAYOUT

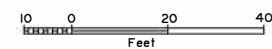
POA-2021-00240  
 Herring Cove

Sheet 5 of 14  
 April 2021  
 BRIDGE NO. 253  
 DWG. NO. 1



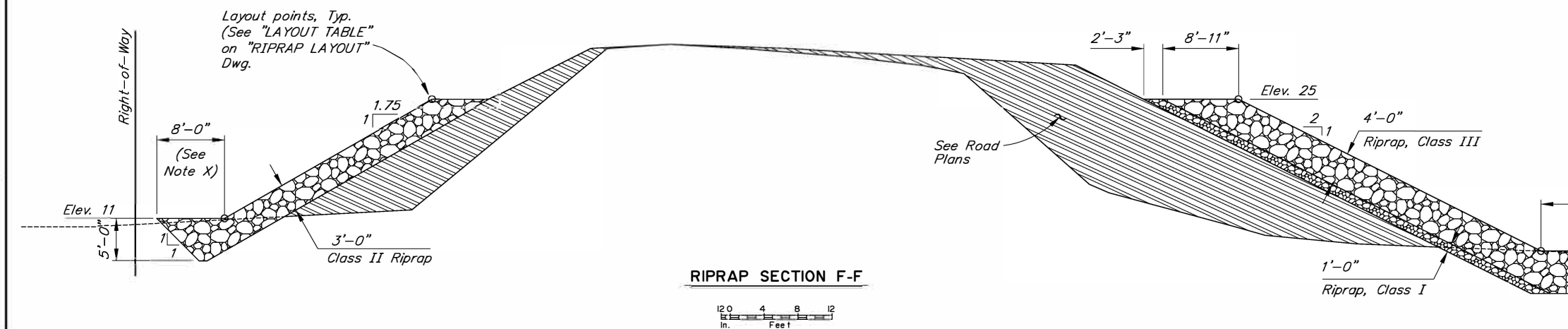
LAYOUT TABLE							
POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
1	395+66.0	14.9' Left	26.0'	32	393+52.5	58.1' Right	7.0'
2	395+67.2	29.3' Left	26.5'	33	393+71.2	68.7' Right	7.0'
3	395+65.3	37.1' Left	26.3'	34	394+09.7	83.6' Right	7.0'
4	395+58.4	42.3' Left	26.0'	35	394+59.8	89.2' Right	7.0'
5	395+34.4	44.6' Left	25.0'	36	394+92.1	86.6' Right	8.0'
6	395+04.5	43.2' Left	25.0'	37	395+16.0	83.1' Right	9.0'
7	394+74.5	42.1' Left	25.0'	38	395+45.3	78.9' Right	10.0'
8	394+44.4	41.2' Left	25.0'	39	395+67.9	68.0' Right	10.0'
9	394+14.3	40.5' Left	25.0'	40	395+78.1	56.1' Right	10.0'
10	394+13.9	65.0' Left	11.0'	41	395+83.7	40.3' Right	10.0'
11	394+43.8	65.7' Left	11.0'	42	395+83.0	28.6' Right	11.0'
12	394+73.8	66.6' Left	11.0'	43	396+70.4	36.8' Left	27.3'
13	395+03.7	67.7' Left	11.0'	44	396+65.9	30.7' Left	27.3'
14	395+34.2	69.1' Left	11.0'	45	396+65.8	21.5' Left	27.0'
15	395+51.9	68.8' Left	9.0'	46	396+66.6	12.2' Left	26.5'
16	395+68.2	65.8' Left	9.0'	47	396+67.0	14.2' Right	24.7'
17	395+81.1	57.4' Left	9.0'	48	396+70.0	25.2' Right	24.7'
18	395+89.8	43.9' Left	9.0'	49	396+72.4	35.8' Right	24.8'
19	395+92.5	27.6' Left	9.0'	50	396+79.5	44.0' Right	24.9'
20	395+91.6	17.8' Left	9.0'	51	396+92.1	48.3' Right	25.0'
21	395+63.6	13.2' Right	25.0'	52	397+06.6	48.9' Right	25.0'
22	395+62.2	27.1' Right	25.0'	53	397+28.7	46.1' Right	25.0'
23	395+57.8	38.5' Right	25.0'	54	397+68.8	45.5' Right	25.0'
24	395+48.3	46.8' Right	25.0'	55	398+08.7	45.5' Right	25.0'
25	395+35.7	50.2' Right	25.0'	56	396+44.1	41.8' Right	7.0'
26	395+19.6	50.7' Right	25.0'	57	396+53.8	58.8' Right	7.0'
27	394+86.3	52.8' Right	25.0'	58	396+68.5	69.8' Right	7.0'
28	394+52.9	53.2' Right	25.0'	59	397+18.7	70.8' Right	11.0'
29	394+20.9	49.0' Right	25.0'	60	397+71.6	70.0' Right	11.0'
30	393+91.4	37.7' Right	25.0'	61	397+91.6	66.5' Right	13.0'
31	393+73.4	27.7' Right	25.0'	62	398+08.6	63.0' Right	15.0'

RIPRAP LAYOUT

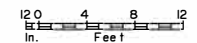


HYDRAULIC & HYDROLOGIC SUMMARY, BRIDGE NO. 253			
Flood Frequency (Yr.)	50	100	500
Exceedance Probability (%)	2	1	0.2
Discharge (cfs)	XX	XX	XX
Water Surface Elevation (ft)	XX	XX	XX
Anticipated Add'l Backwater (ft)	XX	XX	XX
Contraction Scour (ft)	XX	XX	XX
Pier Scour (ft)	XX	XX	XX
Abutment Scour (ft)		XX	
Long-Term Degradation (ft)		XX	

Drainage Area: XX square miles  
The hydraulic capacity is roughly XX cfs in an ice-free channel condition.



RIPRAP SECTION F-F



**NOTE:**  
For riprap sections not on "RIPRAP LAYOUT" Dwg. see "RIPRAP DETAILS" Dwg.

DESIGNED BY:	Designer	CHECKED:	Checker
DRAWN BY:	Sam Sollie	CHECKED:	Designer
QUANTITIES BY:	Designer	CHECKED:	Checker

**PRELIMINARY PLAN**

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
BRIDGE SECTION  
3132 Channel Drive  
Juneau, Alaska 99801  
907-465-2975

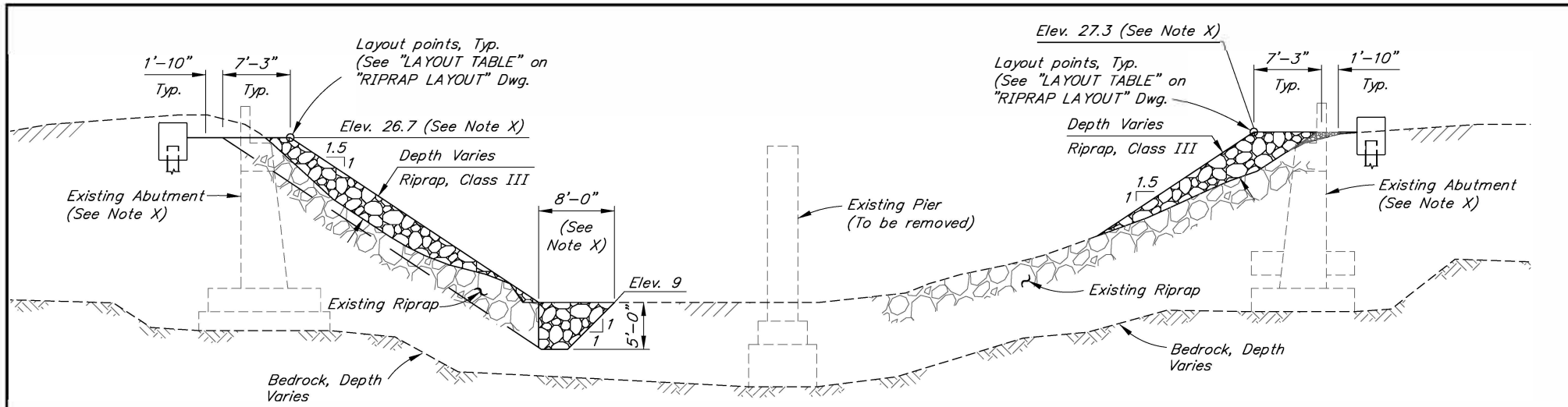
**HERRING COVE BRIDGE**  
SOUTH TONGASS HIGHWAY  
**RIPRAP LAYOUT**

POA-2021-00240  
Herring Cove

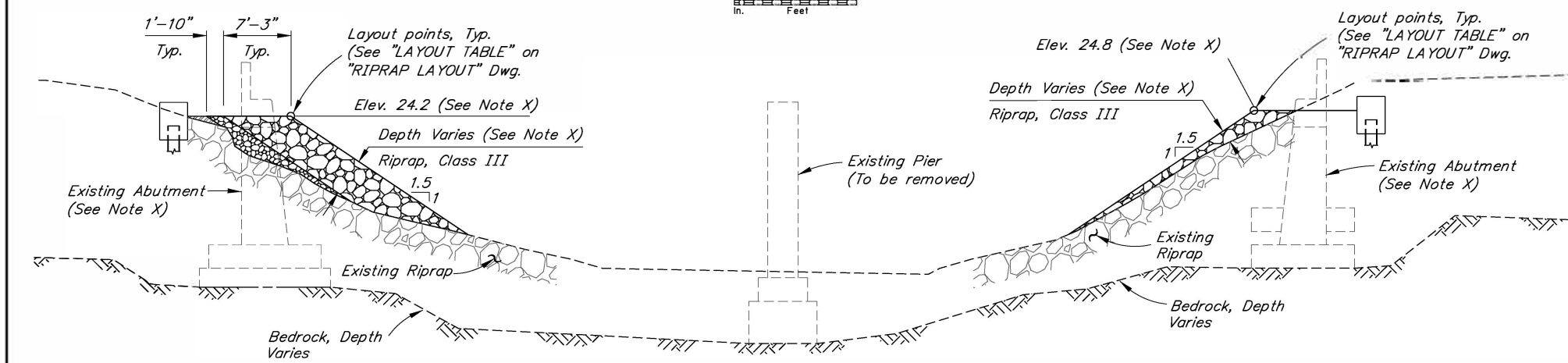
Sheet 6 of 14  
April 2021  
BRIDGE NO. 253  
DWG. NO.

R:\cadd\253\253-RIPRAP LAYOUT.Fri, Sep/25/20 02:18pm

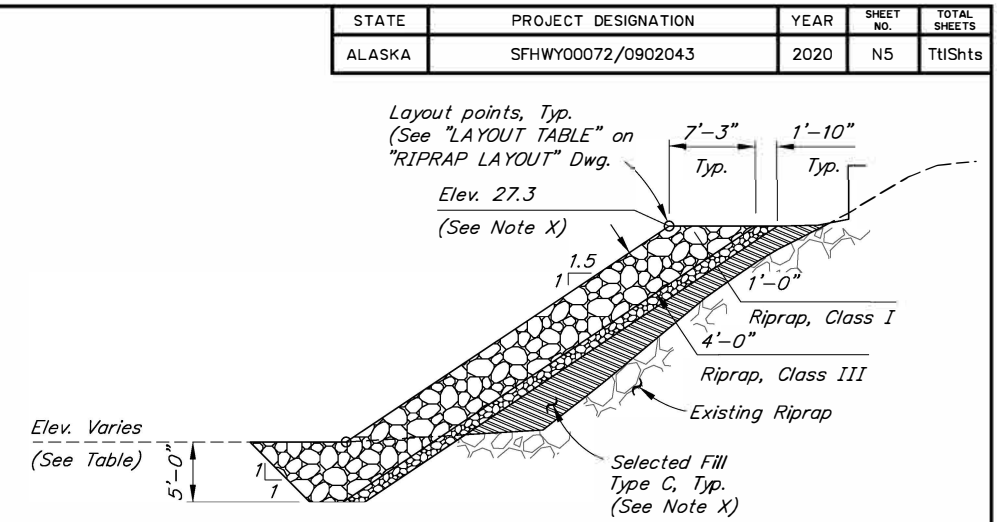
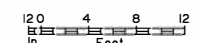
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWY00072/0902043	2020	N5	Tt1ShTs



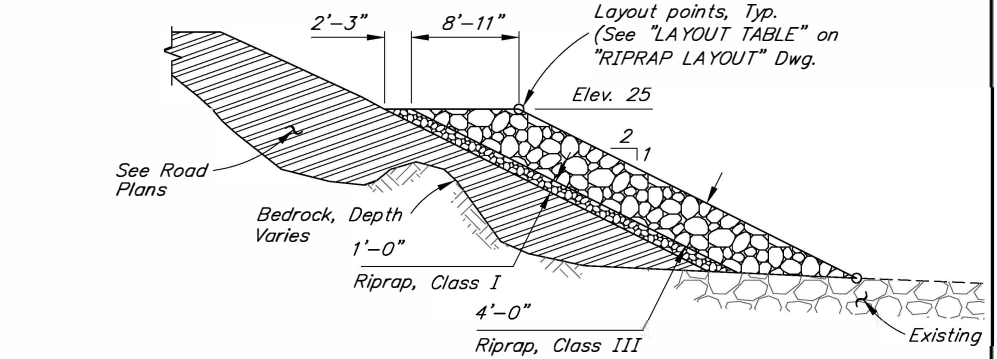
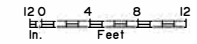
RIPRAP SECTION A-A



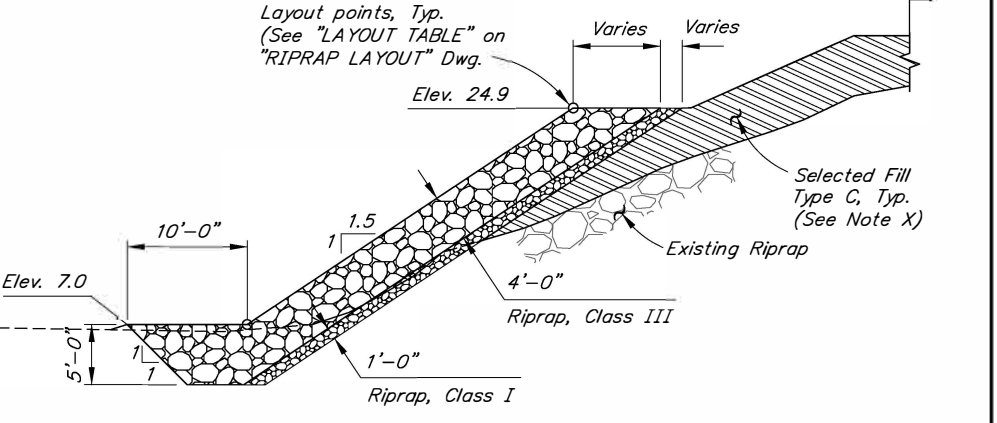
RIPRAP SECTION B-B



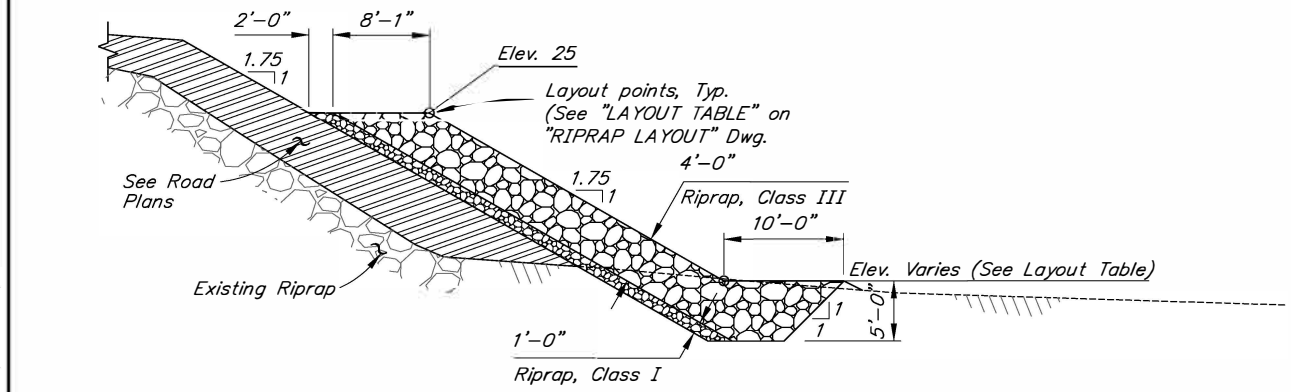
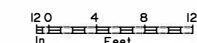
RIPRAP SECTION C-C



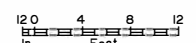
RIPRAP SECTION D-D



RIPRAP SECTION E-E



RIPRAP SECTION G-G



- RIPRAP NOTES:**
1. Shallow bedrock along the channel bottom might prevent installation of riprap to the elevation listed in the layout table.
  2. Elevations vary along the top of riprap. See riprap layout table.
  3. Existing abutments to be partially left in place.
  4. Install riprap toe where shown on the plan view.
  5. Sliver fills less than 2 feet may be omitted with the concurrence of the Engineer.

R:\cadd\253\253-RIPRAP DETAILS Fri, Sep/25/20 02:19pm

DESIGNED BY:	Designer	CHECKED:	Checker
DRAWN BY:	Sam Sollie	CHECKED:	Designer
QUANTITIES BY:	Designer	CHECKED:	Checker


PRELIMINARY PLAN

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
BRIDGE SECTION  
3132 Channel Drive  
Juneau, Alaska 99801  
907-465-2975

HERRING COVE BRIDGE

SOUTH TONGASS HIGHWAY

RIPRAP DETAILS



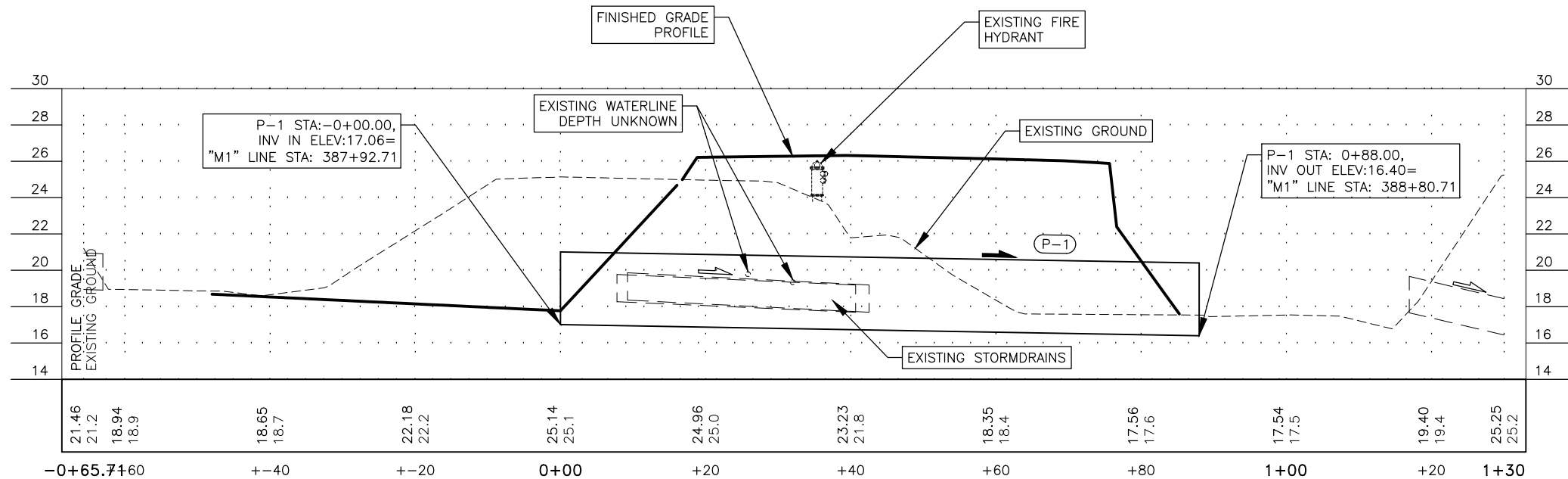
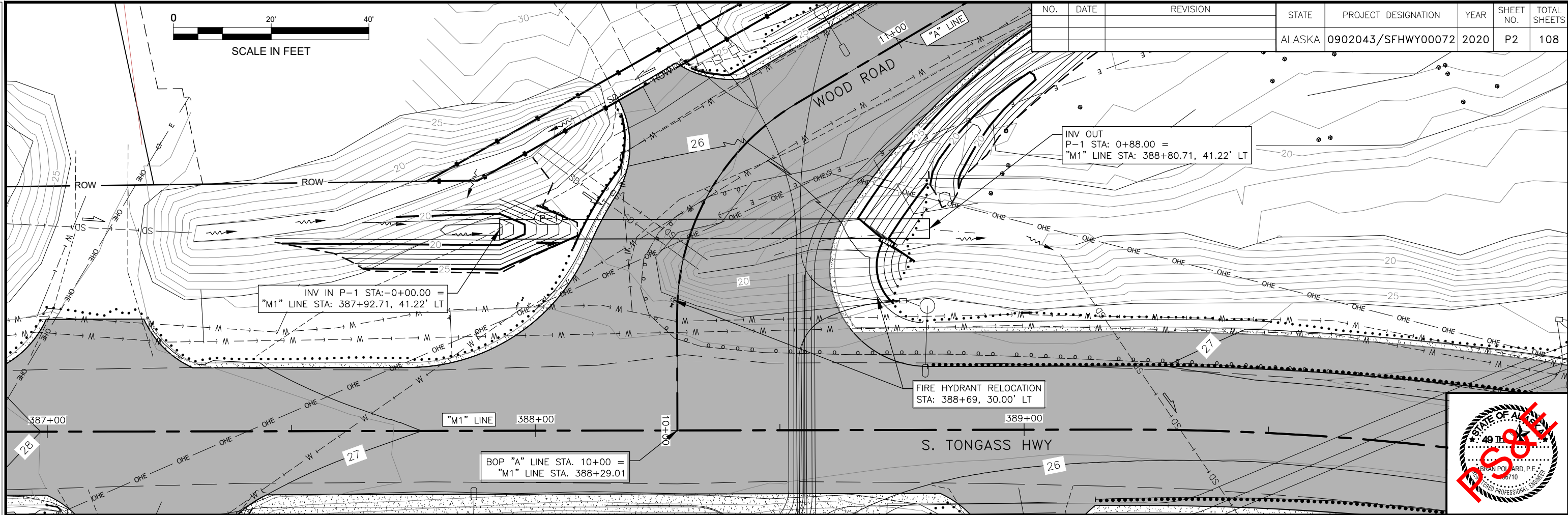
Sheet 7 of 14  
April 2021  
BRIDGE NO. 253  
DWG. NO. 4

POA-2021-00240  
Herring Cove

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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811  
 DATE 10/9/2020 14:56 LAYOUT P2 STORMDRAIN PLAN  
 PHONE (907) 465-1763  
 CERTIFICATE OF AUTH #:  
 STAFF DRAFTED STAFF CHECKED STAFF DESIGNED STAFF



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFHWY00072	2020	P2	108



LEGEND	
	NEW CULVERT FLOW
	EXISTING CULVERT FLOW
	NEW DITCH RECONSTRUCTION
	LIMITS OF CUT
	LIMITS OF FILL

P-1	
DIAMETER	4 FT
INVERTS	BURIED 1.46' (36.5%)
SLOPE	0.69%
DITCH SLOPE	0.69%
LENGTH	88 LF
MATERIAL	CORRUGATED ALUMINUM PIPE

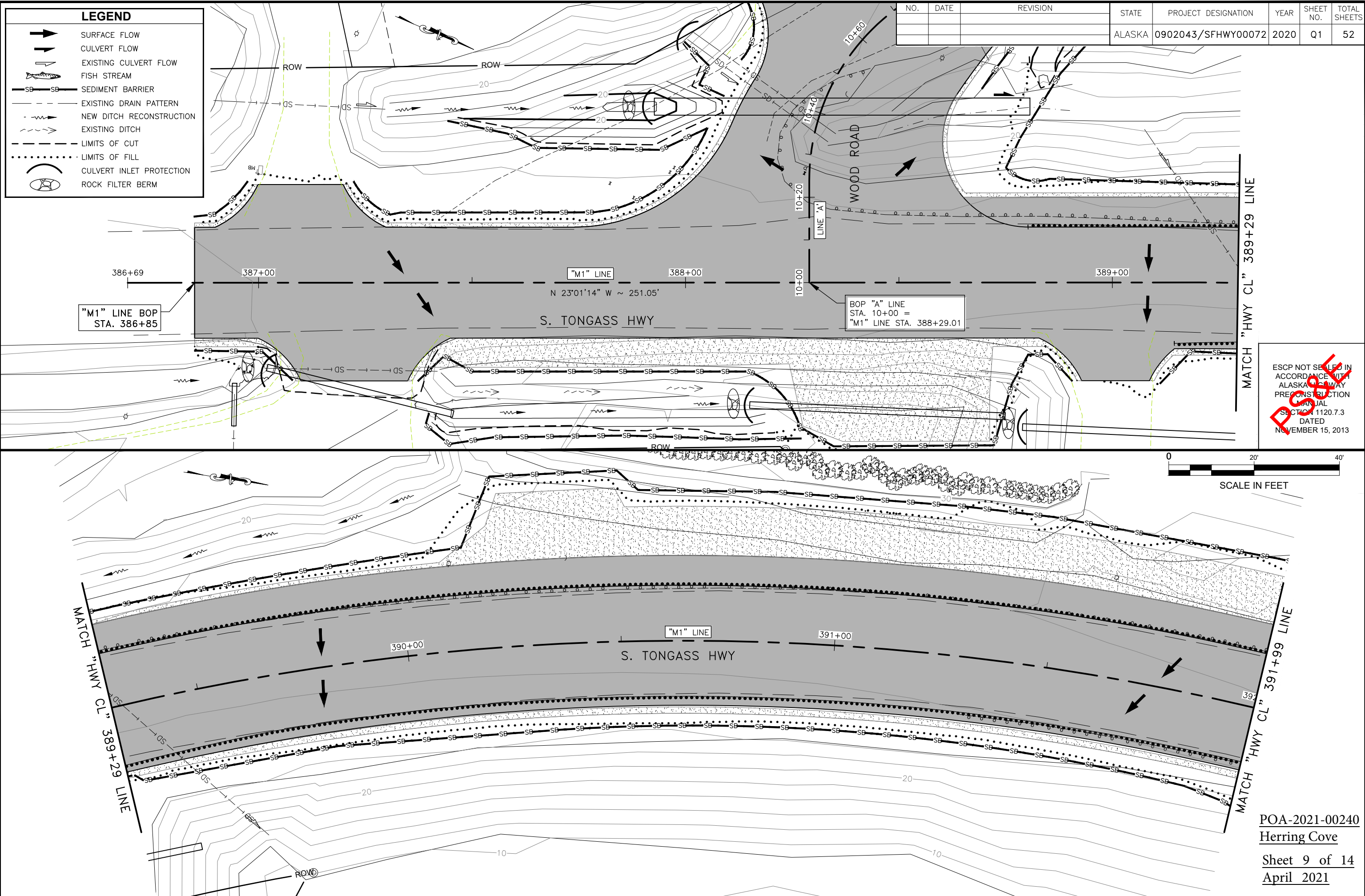
Sheet 8 of 14  
 April 2021  
 POA-2021-00240  
 Herring Cove

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
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 DATE 10/12/2020 13:41 LAYOUT 01 EROSION & SEDIMENT CONTROL PLAN  
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811  
 PHONE (907) 465-1763  
 CERTIFICATE OF AUTH #:  
 DRAFTED STAFF  
 CHECKED STAFF  
 DESIGNED STAFF

**LEGEND**

- SURFACE FLOW
- CULVERT FLOW
- EXISTING CULVERT FLOW
- FISH STREAM
- SEDIMENT BARRIER
- EXISTING DRAIN PATTERN
- NEW DITCH RECONSTRUCTION
- EXISTING DITCH
- LIMITS OF CUT
- LIMITS OF FILL
- CULVERT INLET PROTECTION
- ROCK FILTER BERM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFHWY00072	2020	Q1	52

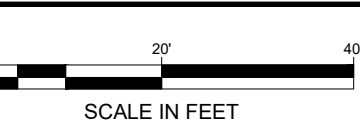


ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION ANNUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

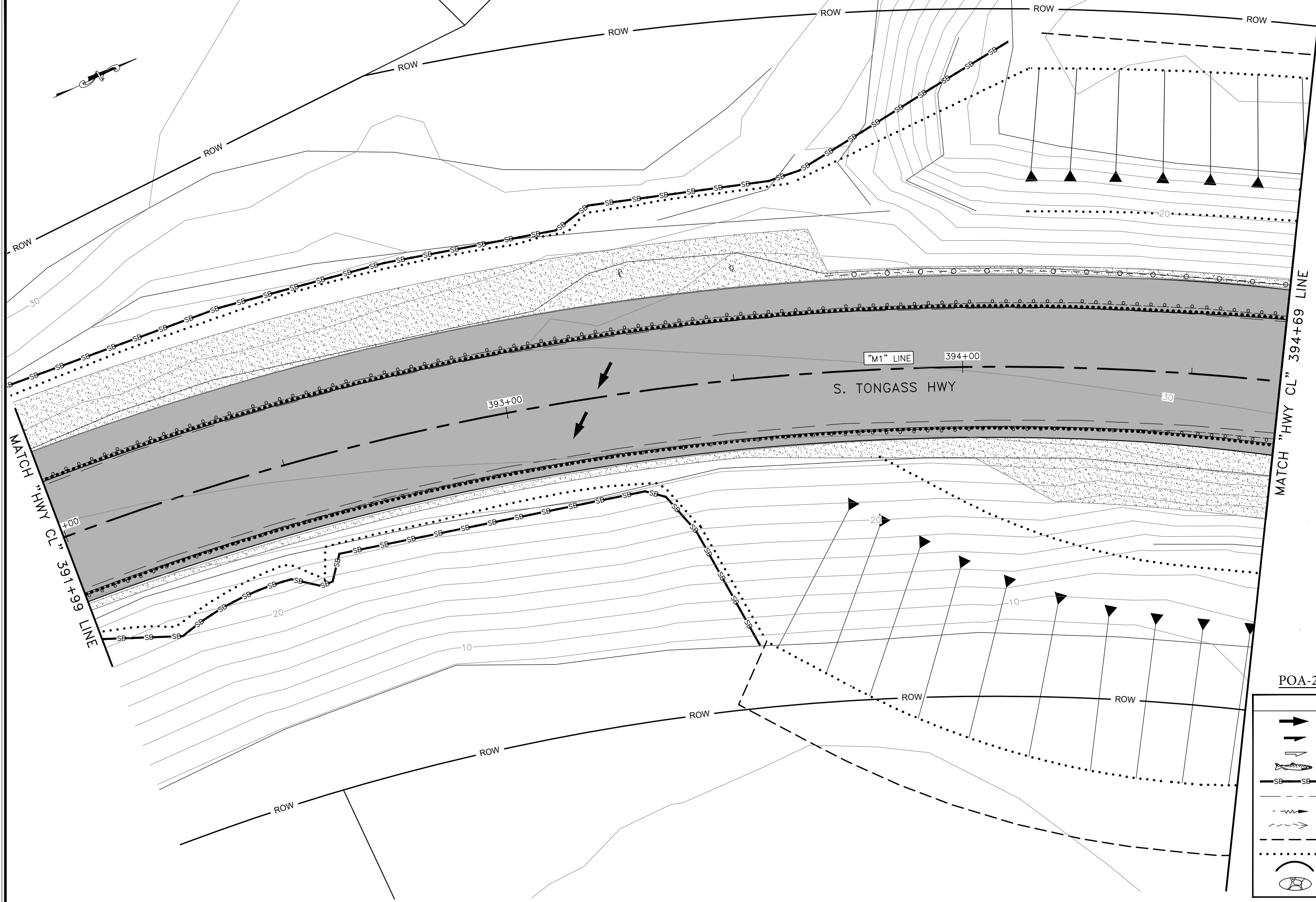
POA-2021-00240  
 Herring Cove  
 Sheet 9 of 14  
 April 2021

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811  
 PHONE (907) 465-1763  
 CERTIFICATE OF AUTH #:

STAFF  
 DRAFTED  
 CHECKED  
 DESIGNED  
 LAYOUT  
 Q2 EROSION & SEDIMENT CONTROL  
 DATE 10/12/2020 13:41



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFH\00072	2020	Q2	52



ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

Sheet 10 of 14  
 April 2021

POA-2021-00240, Herring Cove

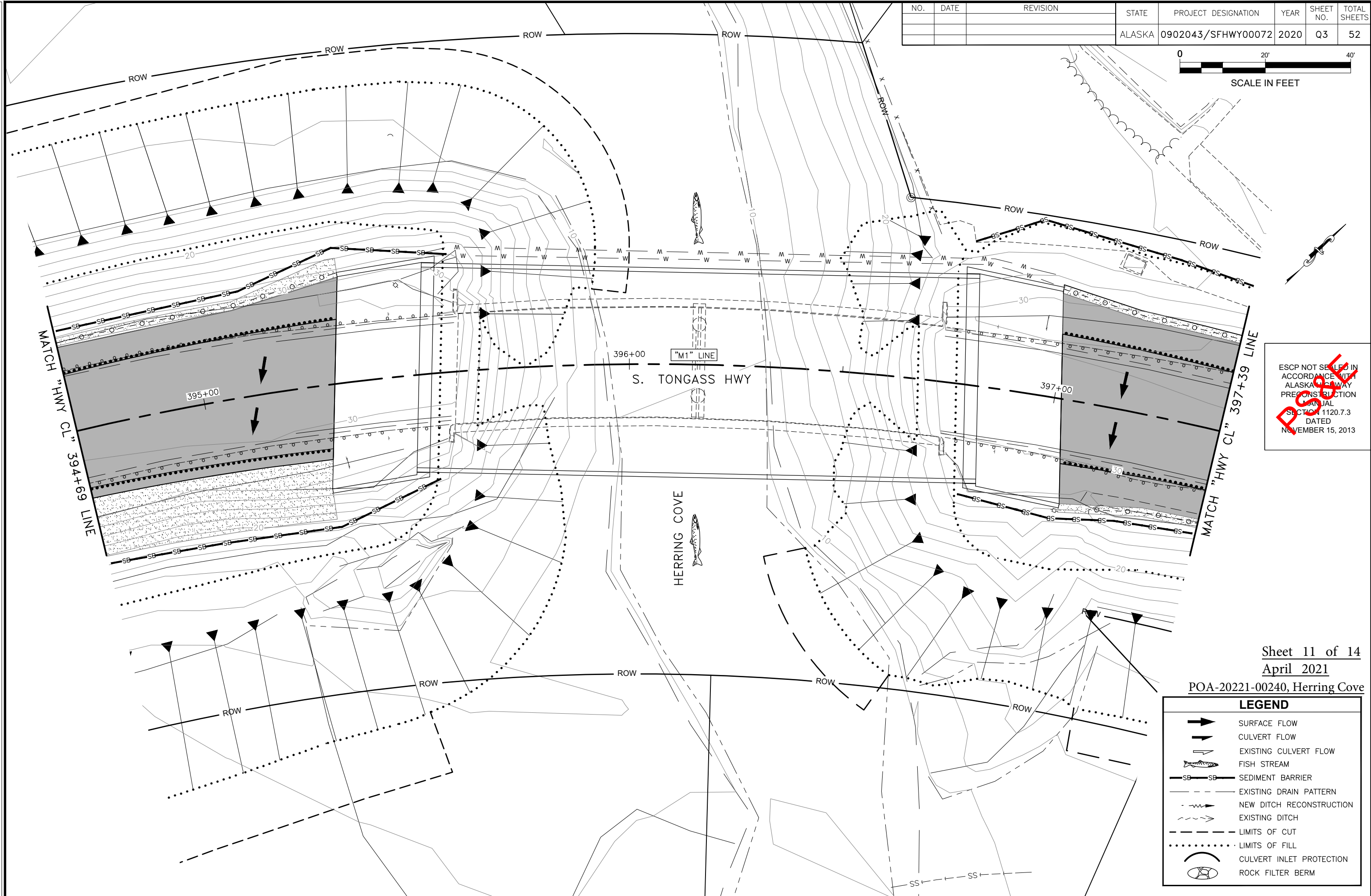
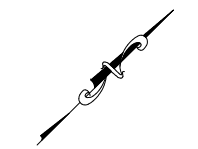
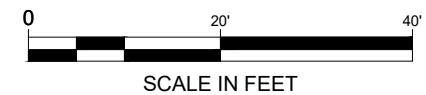
LEGEND	
	SURFACE FLOW
	CULVERT FLOW
	EXISTING CULVERT FLOW
	FISH STREAM
	SEDIMENT BARRIER
	EXISTING DRAIN PATTERN
	NEW DITCH RECONSTRUCTION
	EXISTING DITCH
	LIMITS OF CUT
	LIMITS OF FILL
	CULVERT INLET PROTECTION
	ROCK FILTER BERM



FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 FILE Q:\kth\SFH\00072\Plan\set\00072\_01.dwg  
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811  
 PHONE (907) 465-1763  
 CERTIFICATE OF AUTH #:

DATE 10/12/2020 13:41 LAYOUT 03 EROSION & SEDIMENT DESIGN  
 CHECKED STAFF  
 DRAFTED STAFF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFH00072	2020	Q3	52



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Sheet 11 of 14  
 April 2021

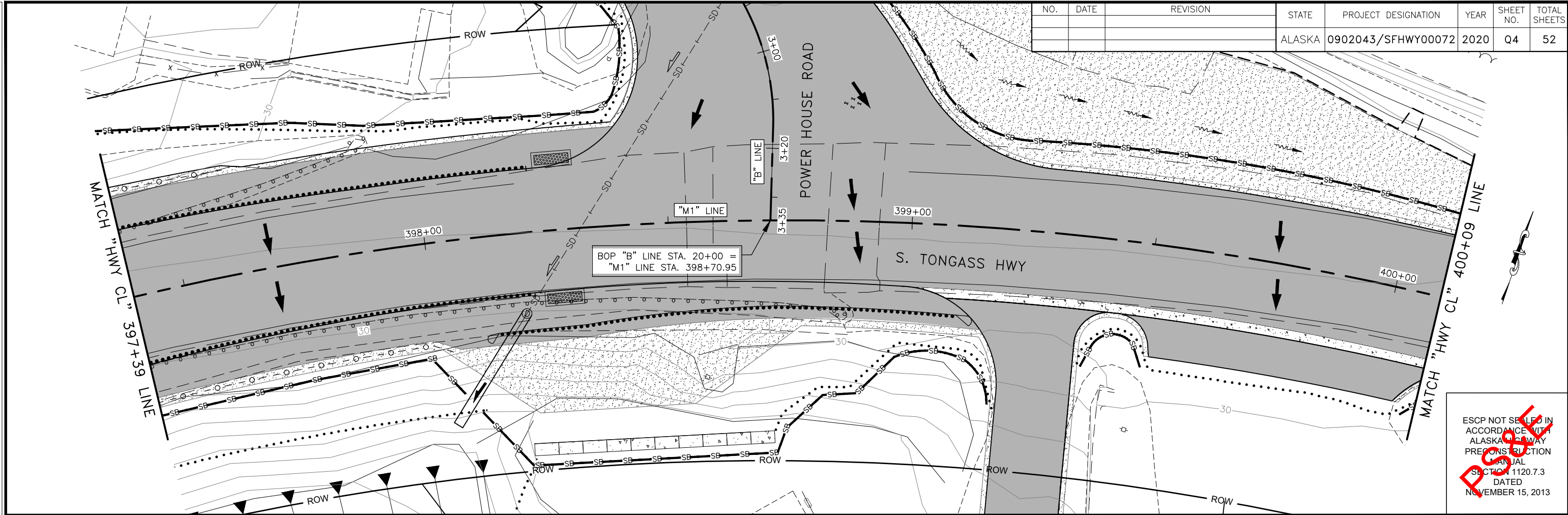
POA-2021-00240, Herring Cove

LEGEND	
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	CULVERT FLOW
	EXISTING CULVERT FLOW
	FISH STREAM
	SEDIMENT BARRIER
	EXISTING DRAIN PATTERN
	NEW DITCH RECONSTRUCTION
	EXISTING DITCH
	LIMITS OF CUT
	LIMITS OF FILL
	CULVERT INLET PROTECTION
	ROCK FILTER BERM

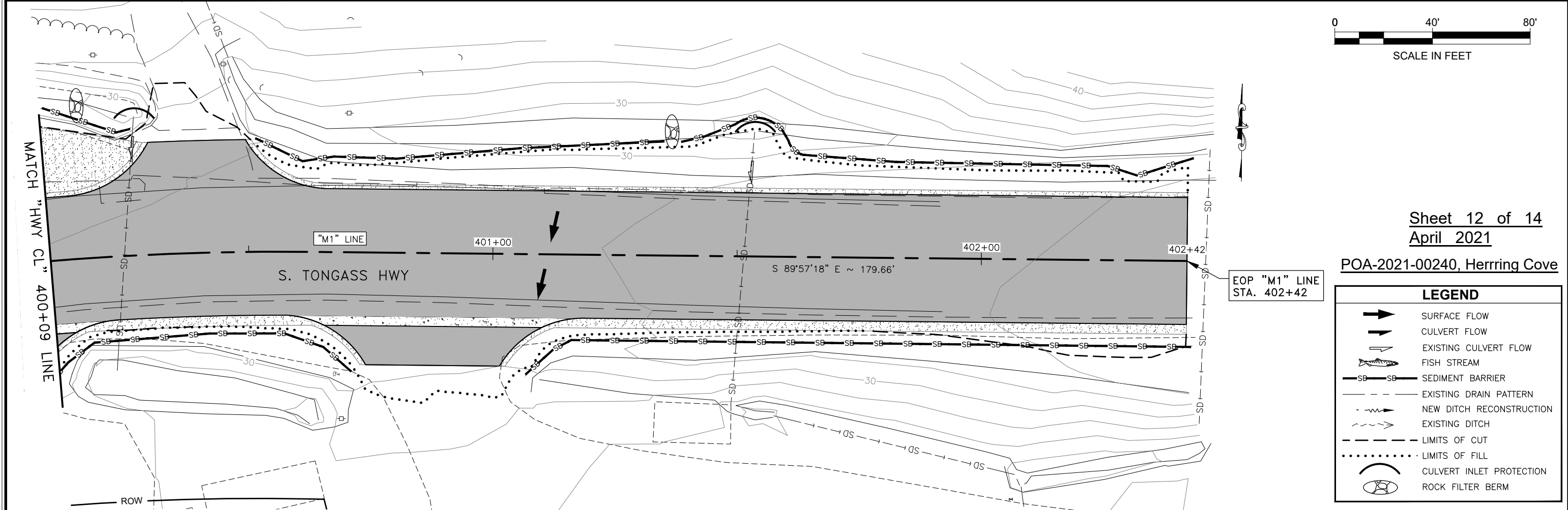
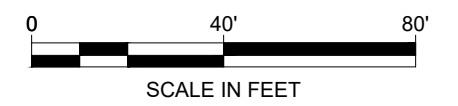
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811  
 DATE 10/12/2020 13:41 LAYOUT 04 EROSION & SEDIMENTATION  
 PHONE (907) 465-1763  
 CERTIFICATE OF AUTH #:

STAFF  
 CHECKED STAFF  
 DRAFTED STAFF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFHwy00072	2020	Q4	52



ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013



Sheet 12 of 14  
 April 2021

POA-2021-00240, Herring Cove

**LEGEND**

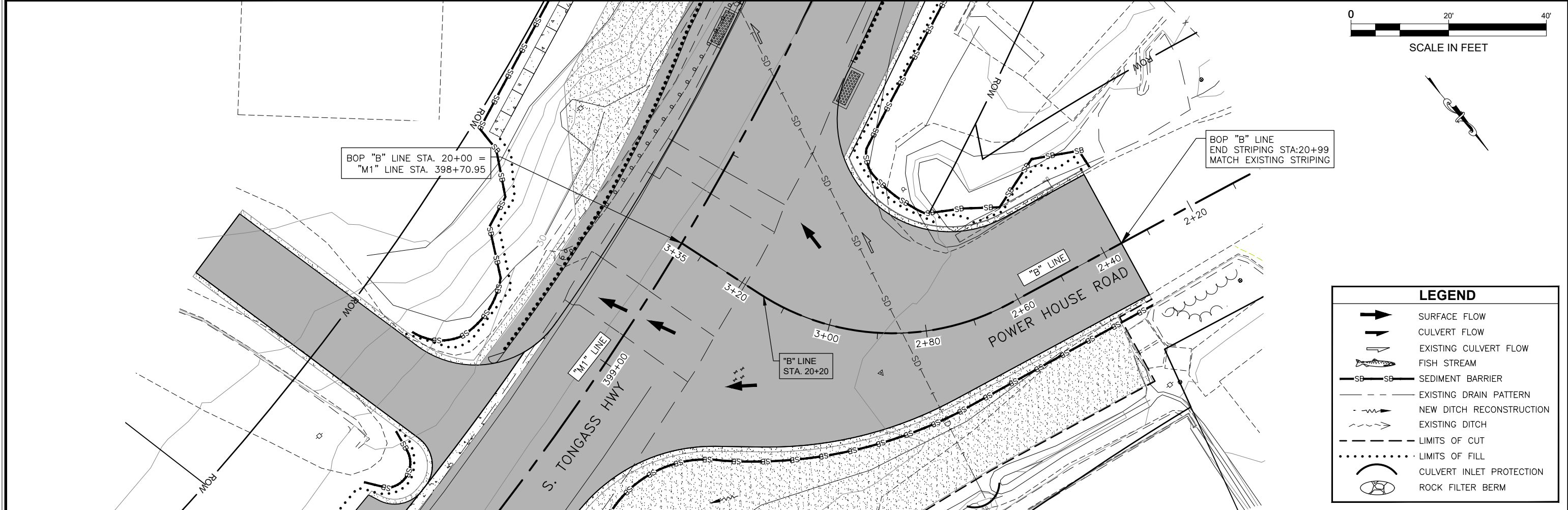
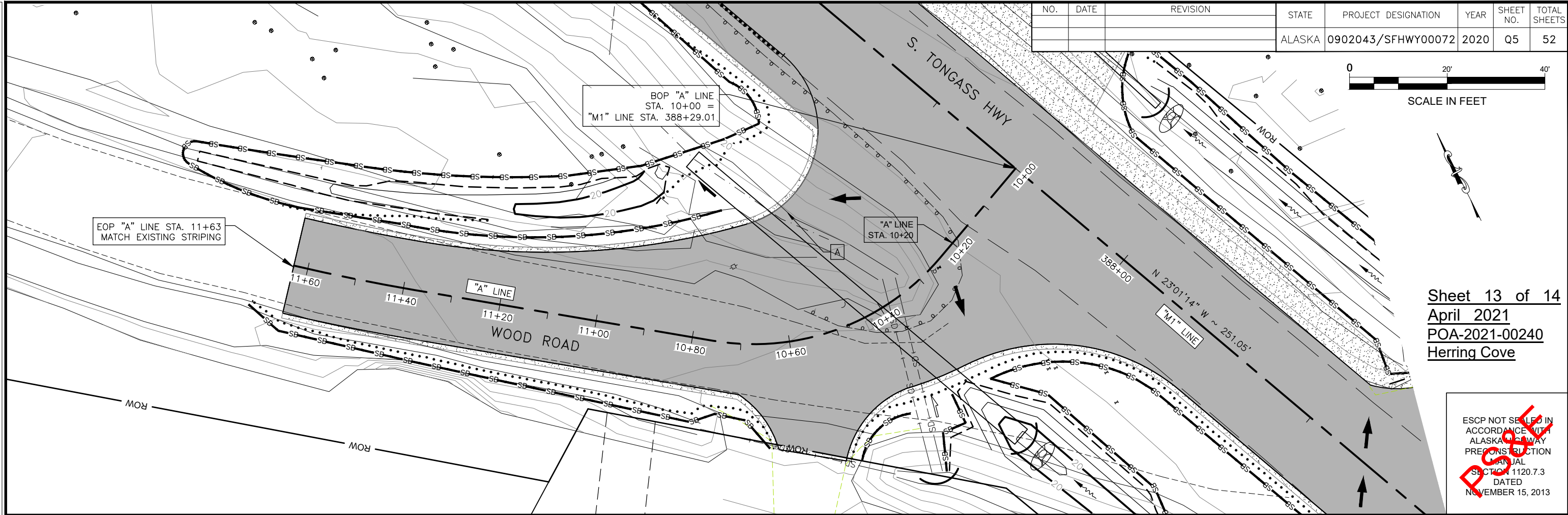
- SURFACE FLOW
- CULVERT FLOW
- EXISTING CULVERT FLOW
- FISH STREAM
- SEDIMENT BARRIER
- EXISTING DRAIN PATTERN
- NEW DITCH RECONSTRUCTION
- EXISTING DITCH
- LIMITS OF CUT
- LIMITS OF FILL
- CULVERT INLET PROTECTION
- ROCK FILTER BERM

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFH\00072	2020	Q5	52



Sheet 13 of 14  
 April 2021  
 POA-2021-00240  
 Herring Cove

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013



LEGEND	
	SURFACE FLOW
	CULVERT FLOW
	EXISTING CULVERT FLOW
	FISH STREAM
	SEDIMENT BARRIER
	EXISTING DRAIN PATTERN
	NEW DITCH RECONSTRUCTION
	EXISTING DITCH
	LIMITS OF CUT
	LIMITS OF FILL
	CULVERT INLET PROTECTION
	ROCK FILTER BERM

FILE G:\Ktn\SFH\00072\Plans\00072\_D1.dwg  
 DATE 10/13/2020 11:59 LAYOUT D1  
 DESIGNED STAFF  
 CHECKED STAFF  
 DRAFTED STAFF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0902043/SFH\00072	2020	D1	108

201.2001.0000 INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL				
BEGIN STATION	END STATION	AREA (SY)	SPECIES	REMARKS
396+80.00	398+25.00	135.03	orange hawkweed/oxeye daisy	
399+50.00	400+76.00	53.88	reed canary grass	
397+50.00	397+51.00	0.11	Japanese knotweed	
387+70.00	395+60.00	73.15	orange hawkweed/oxeye daisy	
390+00.00	393+75.00	41.67	reed canary grass	
388+30.00	388+40.00	11.11	Japanese knotweed	
387+55.00	389+80.00	300.00	reed canary grass	
389+80.00	395+60.00	773.33	orange hawkweed /oxeye daisy	
396+80.00	397+70.00	120.00	orange hawkweed/oxeye daisy	
397+70.00	398+80.00	146.67	reed canary grass/orange hawkweed/oxeye daisy	
399+25.00	402+42.00	110.22	reed canary grass	
TOTAL =		1765.17		

603.0021.0018 CORRUGATED POLYETHYLENE PIPE 18 INCH								
PIPE	INLET			OUTLET			LENGTH (FT)	REMARKS
	STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION		
P-12	387+01.97	19.87 RT	19.87	387+45.57	30.77 RT	23.80	44.9	
P-13	388+15.04	28.67 RT	22.06	388+74.88	31.34 RT	19.21	59.9	
P-14	388+78.96	33.87 RT	18.50	389+43.33	36.30 RT	17.50	63.0	

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS		
BEGIN STATION	OFFSET	REMARKS
388+27.90	25.62 LT	VALVE BOX NEAR FIRE HYDRANT

603.0021.0024 CORRUGATED POLYETHYLENE PIPE 24 INCH								
PIPE	INLET			OUTLET			LENGTH (FT)	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
P-2	398+19.49	16.56 RT	25.69	398+02.23	37.74	25.00	26.8	

202.0002.0000 REMOVAL OF PAVEMENT			
BEGIN STA.	END STA.	AREA (S.Y.)	REMARKS
10+20	11+61	448	Wood Rd.
386+85	395+31	2363	S. Tongass
397+02	402+42	1703	S. Tongass
399+28	399+56	56	Pad removal
TOTAL =		4570	

604.0001.0001 STORM SEWER MANHOLE, TYPE I			
STATION	OFFSET	QUANTITY(EA)	REMARKS
398+19.50	16.56 RT	1	CL M1, INSTALL PER D-20.05
TOTAL =		1	

202.0004.0000 REMOVAL OF CULVERT PIPE					
INLET		OUTLET		LENGTH (LF)	REMARKS
STATION	OFFSET	STATION	OFFSET		
388+00.50	56.96 LT	388+33.38	32.97 LT	40.70	18" DIA, CORRUGATED POLYETHYLENE PIPE
388+01.95	58.59 LT	388+35.22	34.89 LT	40.9	18" DIA, CORRUGATED POLYETHYLENE PIPE
398+20.10	15.75 RT	398+15.65	21.37 RT	7	
TOTAL =				88.6	

604.0004.0000 ADJUST EXISTING MANHOLE			
STATION	OFFSET	QUANTITY(EA)	REMARKS
399+35.95	16.1 RT	1	
TOTAL =		1	

202.0010.0000 SINGLE MAIL BOX INSTALLATION			
STATION	OFFSET	QUANTITY(EA)	REMARKS
01+24.00	8' R	1	WOOD RD, INSTALL PER M-23.12

606.0001.0000 W-BEAM GAURDRAIL				
BEGIN STA	END STA	OFFSET	LENGTH (LF)	REMARKS
388+62	395+16	LT	507	
389+43	395+11	RT	656	
397+16	397+72	LT	58	
397+21	397+71	RT	48	
398+24	399+01	RT	74	
TOTAL =			1344	

202.0012.0000 DOUBLE MAIL BOX INSTALLATION			
STATION	OFFSET	QUANTITY(EA)	REMARKS
20+92.00	19' L	11	POWER HOUSE RD, INSTALL PER M-23.12

606.0006.0000 REMOVAL & DISPOSAL OF GUARDRAIL				
BEGIN STA	END STA	OFFSET	LENGTH	REMARKS
388+22	395+59	LT	793	
389+15	395+57	RT	642	
396+73	397+91	LT	126	
396+75	398+87	RT	210	
TOTAL =			1771	

603.0009.0048 CORRUGATED ALUMINUM PIPE 48 INCH								
PIPE	INLET			OUTLET			LENGTH (FT)	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
P-1	387+92.71	41.22 LT	17.10	388+80.71	41.22 LT	16.40	88	

603.0021.0012 CORRUGATED POLYETHYLENE PIPE 12 INCH								
PIPE	INLET			OUTLET			LENGTH (FT)	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
P-11	386+94.20	33.53 RT	26.00	386+94.38	23.54 RT	25.78	10.0	

POA-2021-00240-Herring Cove



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 KTN HERRING COVE BRIDGE  
 IMPROVEMENTS  
 Sheet 14 of 14  
 April 2021  
 SUMMARIES

**Appendix B-2: ADF&G Fish Habitat Permits**



THE STATE  
of **ALASKA**  
GOVERNOR MICHAEL J. DUNLEAVY

## Department of Fish and Game

HABITAT SECTION  
Craig Area Office

Westwind Plaza, Suite 302  
PO Box 668  
Craig, Alaska 99921-0668  
Main: 907.826.2560  
Fax: 907.826.2563

### FISH HABITAT PERMIT FH21-VII-0018 (Amended)

**ISSUED: April 27, 2021**  
**AMENDED: May 11, 2021**  
**EXPIRES: End of Life of Project**

Alaska Department of Transportation and Public Facilities  
Attn: Benjamin Storey  
6860 Glacier highway  
PO Box 112506  
Juneau, AK 99811-2506

Dear Mr. Storey:

**RE: Culvert Installation**  
**Herring Cove Creek Tributary**  
**ADF&G Stream #101-45-10068**  
**N. 55.3245, W. -131.5258**  
**Sec. 36, T. 75S, R. 91E, CRM**

Pursuant to AS 16.05.871(b), the Alaska Department of Fish and Game (ADF&G), Habitat Section, has reviewed your May 10, 2021, request to amend Fish Habitat permit FH21-VII-0018.

Fish Habitat permit FH21-VII-0018 was issued on April 27, 2021. The original project description stated all in-water work would take place between June 14 and June 22, 2022. The permit is hereby amended changing the implementation date of the in-water work to between May 25, 2022 and September 1, 2022. All other provisions and stipulations contained in the original permit apply to the project.

Sincerely,

Doug Vincent-Lang, Commissioner

A handwritten signature in black ink, appearing to read "Mark Minnillo".

By Mark Minnillo  
Craig Area Manager

Email cc:

Al Ott, ADF&G Habitat, Fairbanks  
Kelley Reppert, ADF&G, Ketchikan  
Bo Meredith, ADF&G, Ketchikan  
Gillian O'Doherty, ADF&G, Anchorage  
Christina Mounce, ADOT, Juneau



**FISH HABITAT PERMIT FH21-VII-0018**

**ISSUED: April 28, 2021**  
**EXPIRES: End of Life of Project**

Alaska Department of Transportation and Public Facilities  
Attn: Benjamin Storey  
6860 Glacier highway  
PO Box 112506  
Juneau, AK 99811-2506

Dear Mr. Storey:

**RE: Culvert Installation**  
**Herring Cove Creek Tributary**  
**ADF&G Stream #101-45-10068**  
**N. 55.3245, W. -131.5258**  
**Sec. 36, T. 75S, R. 91E, CRM**

Pursuant to the Anadromous Fish Act at AS 16.05.871(b), the Alaska Department of Fish and Game (ADF&G), Habitat Section, has reviewed your proposal to install a culvert at the location described above.

**Project Description**

As mitigation for wetland impacts associated with the replacement of the Herring Cove Creek Bridge, you propose to replace 2 existing culverts with one 48" corrugated metal pipe. The culvert would be installed at a slope of 1% and embedded to a depth of 19.2 inches. As per Sheet E1 of the plans, the culvert will be backfilled with streambed material. To minimize impacts to fish and fish habitat, all in-water work would be conducted between June 14 and June 22, 2022.

**Anadromous Fish Act**

Stream number 101-45-10068 has been specified as being important for the spawning, rearing, or migration of anadromous fishes pursuant to AS 16.05.871(a). This water body provides habitat for coho salmon.

In accordance with AS 16.05.871, your project is approved subject to the project description, plans, permit terms, and the following stipulations:



1. The Fish-passage crossing structure shall be constructed, operated, and maintained for the life of the structure such that free passage of fish is assured. Any obstruction to the free passage of fish (for example, perched culvert, outwash gravel, or excessive water velocity) shall be restored to the satisfaction of ADF&G.
2. Fish shall be excluded from the project area prior to construction. ADF&G can be available to conduct the exclusion.
3. A dewatering plan shall be submitted to ADF&G for approval at least 5 days prior to beginning construction.

### **Permit Terms**

This letter constitutes a permit issued under the authority of AS 16.05.871 and must be retained on site during project activities. Please be advised that this determination applies only to Habitat Section regulated activities; other agencies also may have jurisdiction under their respective authorities. This determination does not relieve you of your responsibility to secure other permits; state, federal, or local. You are still required to comply with all other applicable laws.

You are responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved project. For any activity that significantly deviates from the approved plan, you shall notify the Habitat Section and obtain written approval in the form of a permit amendment before beginning the activity. Any action that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any provision contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is a Habitat Section responsibility. Therefore, we recommend you consult the Habitat Section before considering any deviation from the approved plan.

You shall give an authorized representative of the state free and unobstructed access to the permit site, at safe and reasonable times, for the purpose of inspecting or monitoring compliance with any provision of this permit. You shall furnish whatever assistance and information the authorized representative reasonably requires for monitoring and inspection purposes.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. You shall mitigate any adverse effect upon fish or wildlife, their habitats, or any restriction or interference with public use that the commissioner determines was a direct result of your failure to comply with this permit or any applicable law.

You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

You are responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved

plan, you shall notify the Habitat Section and obtain written approval in the form of a permit amendment before beginning the activity. Any action that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit would be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the Habitat Section. Therefore, it is recommended that you consult the Habitat Section immediately when a deviation from the approved plan is being considered.

For the purpose of inspection or monitoring compliance with any condition of this permit, you shall give an authorized representative of the state free and unobstructed access, at safe and reasonable times, to the permit site. You shall furnish whatever assistance and information as the authorized representative reasonably requires for monitoring and inspection purposes.

This letter constitutes a permit issued under the authority of AS 16.05.871 and must be retained on site during project activities. Please be advised that this determination applies only to activities regulated by the Habitat Section; other agencies also may have jurisdiction under their respective authorities. This determination does not relieve you of your responsibility to secure other permits; state, federal, or local. You are still required to comply with all other applicable laws.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which was a direct result of the failure to comply with this permit or any applicable law.

You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

You may appeal this permit decision relating to AS 16.05.871 in accordance with the provisions of AS 44.62.330-630.

Please direct questions about this permit to Habitat Biologist Mark Minnillo at (907) 826-2560 or mark.minnillo@alaska.gov.

Sincerely,  
Doug Vincent-Lang, Commissioner

A handwritten signature in black ink, appearing to read 'Minnillo', is placed on a light gray rectangular background.

By Mark Minnillo  
Craig Area Manager

Email cc:

Al Ott, ADF&G/Habitat, Fairbanks  
Kelley Reppert, ADF&G/SF, Ketchikan  
Bo Meredith, ADF&G/CF, Ketchikan  
Gillian O'Doherty, ADF&G/SF, Anchorage  
Christina Mounce, ADOT, Juneau



THE STATE  
of **ALASKA**  
GOVERNOR MICHAEL J. DUNLEAVY

## Department of Fish and Game

DIVISION OF HABITAT  
Craig Area Office

Westwind Plaza, Suite 302  
PO Box 668  
Craig, Alaska 99921-0668  
Main: 907.826.2560  
Fax: 907.826.2563

### FISH HABITAT PERMIT FH21-VII-0021

**ISSUED: April 21, 2021**  
**EXPIRES: End of Life of Project**

Alaska Department of Transportation and Public Facilities  
Attn: Christina Mounce  
6860 Glacier highway  
PO Box 112506  
Juneau, AK 99811-2506

Dear Mrs. Mounce:

**RE: Bridge Installation  
Herring Cove Creek  
ADF&G Stream #101-45-10070  
N. 55.3265, W. -131.5251  
Sec. 36, T. 75S, R. 91E, CRM**

Pursuant to the Anadromous Fish Act at AS 16.05.871(b), the Alaska Department of Fish and Game (ADF&G), Division of Habitat, has reviewed your proposal to install a culvert at the location described above.

#### **Project Description**

You propose to replace the existing Herring Cove Creek Bridge. In-water work will include removing the pier wall to 1 foot below the streambed, removing rip-rap keyways, and placing new rip-rap. Approximately 1500 cubic yards of rip-rap related material will be removed from below OHW/MHW. In order to minimize impacts to anadromous fish, in-water work will be done at low tide between Nov 1 – May 1. A 30-ton class excavator (tracked) will be used for the demolition and rip-rap placement. The contractor will try to stay out of the streambed as much as possible during the bridge demolition and rip-rap placement. Containment tarps will be used to prevent any debris from entering the water during demolition.

All in-water work will occur during low-tide, and the contractor does not anticipate diverting the stream. However, the contractor may need to divert the stream at times of high flow during the bridge demolition. If a stream diversion occurs, no pumps will be used, and the area will not be completely de-watered.

### **Anadromous Fish Act**

Stream number 101-45-10070 has been specified as being important for the spawning, rearing, or migration of anadromous fishes pursuant to AS 16.05.871(a). This water body provides habitat for pink, chum, and coho salmon.

In accordance with AS 16.05.871, your project is approved subject to the project description, plans, and permit terms.

### **Permit Terms**

This letter constitutes a permit issued under the authority of AS 16.05.841 and must be retained on site during project activities. Please be advised that this determination applies only to Division of Habitat regulated activities; other agencies also may have jurisdiction under their respective authorities. This determination does not relieve you of your responsibility to secure other permits; state, federal, or local. You are still required to comply with all other applicable laws.

You are responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved project. For any activity that significantly deviates from the approved plan, you shall notify the Division of Habitat and obtain written approval in the form of a permit amendment before beginning the activity. Any action that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any provision contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is a Division of Habitat responsibility. Therefore, we recommend you consult the Division of Habitat before considering any deviation from the approved plan.

You shall give an authorized representative of the state free and unobstructed access to the permit site, at safe and reasonable times, for the purpose of inspecting or monitoring compliance with any provision of this permit. You shall furnish whatever assistance and information the authorized representative reasonably requires for monitoring and inspection purposes.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. You shall mitigate any adverse effect upon fish or wildlife, their habitats, or any restriction or interference with public use that the commissioner determines was a direct result of your failure to comply with this permit or any applicable law.

You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

You are responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, you shall notify the Division of Habitat and obtain written approval in the form of a permit amendment before beginning the activity. Any action that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit would be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the Division of Habitat. Therefore, it is recommended that you consult the Division of Habitat immediately when a deviation from the approved plan is being considered.

For the purpose of inspection or monitoring compliance with any condition of this permit, you shall give an authorized representative of the state free and unobstructed access, at safe and reasonable times, to the permit site. You shall furnish whatever assistance and information as the authorized representative reasonably requires for monitoring and inspection purposes.

This letter constitutes a permit issued under the authority of AS 16.05.871 and must be retained on site during project activities. Please be advised that this determination applies only to activities regulated by the Division of Habitat; other agencies also may have jurisdiction under their respective authorities. This determination does not relieve you of your responsibility to secure other permits; state, federal, or local. You are still required to comply with all other applicable laws.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which was a direct result of the failure to comply with this permit or any applicable law.

You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

You may appeal this permit decision relating to AS 16.05.871 in accordance with the provisions of AS 44.62.330-630.

Please direct questions about this permit to Habitat Biologist Mark Minnillo at (907) 826-2560 or mark.minnillo@alaska.gov.

Sincerely,  
Doug Vincent-Lang, Commissioner

A handwritten signature in black ink, appearing to read 'Minnillo', is placed on a light gray rectangular background.

By Mark Minnillo  
Craig Area Manager

Email cc:

Al Ott, ADF&G Habitat, Fairbanks  
Kelley Reppert, ADF&G, Ketchikan  
Bo Meredith, ADF&G, Ketchikan  
Gillian O'Doherty, ADF&G, Anchorage

## **Appendix B-3: Invasive Species Locations**



## Invasive Plant Species Locations for: #00072 - Ketchikan\_AK/Herring Cove Bridge

waypoint	species	approximate stationing	approximate infestation size - in feet*	Latitude**	Longitude**
POI 1	orange hawkweed	Powerhouse Rd	1x15	55.32711300	-131.52413600
POI 2	reed canary grass	399+50 - 400+76 minus driveways	5x35	55.32706800	-131.52356400
POI 3	reed canary grass	Powerhouse Rd	10x30	55.32717200	-131.52469700
POI 4	reed canary grass	Mailboxes at intersection	2x5	55.32707500	-131.52446700
POI 5	start orange hawkweed and oxeye daisy	398+25 - 396+80	8x150	55.32693300	-131.52447900
POI 6	Japanese knotweed	397+50	1x1	55.32678200	-131.52480600
POI 7	end oxeye daisy/ orange hawkweed	end at bridge abutment		55.32669500	-131.52494200
POI 8	start orange hawkweed and oxeye daisy	395+60 - 387+70 begins at bridge abutment	10' deep	55.32645700	-131.52532400
POI 9	add reed canary grass	393+75	12' deep	55.32602000	-131.52582200
POI 10	end reed canary grass	390+00		55.32542300	-131.52602700
POI 11	Japanese knotweed	388+30	10x10	55.32462500	-131.52577900
POI 12	end oxeye daisy/ orange hawkweed	ends just before Wood Rd. intersection	12' deep Also Phar along west side of intersection	55.32452000	-131.52572900
POI 13	start reed canary grass	387+55 - 389+80	12' x 225'	55.32440300	-131.52538700

POI 14	start orange hawkweed and oxeye daisy end reed canary grass	389+80 - 395+60	12' x 580'	55.32493700	-131.52577700
POI 15	end all at bridge			55.32642700	-131.52525700
POI 16	start orange hawkweed and oxeye daisy at bridge	396+80 - 397+70	12' x 90'	55.32662200	-131.52485700
POI 17	start reed canary grass end orange hawkweed	397+70 - 398+80	12' x 110'	55.32673300	-131.52455700
POI 18	end reed canary grass and oxeye daisy			55.32689700	-131.52387900
POI 19	reed canary grass	399+25	10'x 8'	55.32689500	-131.52377900
POI 20	start reed canary grass	400+00 - 400+76	12 x 76	55.32693800	-131.52344100
POI 21	end reed canary grass	EOP		55.32695000	-131.52320400

the road was walked in a counter-clockwise direction starting near the Powerhouse intersection.

the waypoint was taken at the center of the infestation along the highway

\* - 1st measurement is the length parallel to the road the 2nd is the width perpendicular to the road.

**\*\*Datum - NAD83**

Common name	Scientific name	Invasiveness ranking
Reed canary grass	<i>Phalaris arundinacea</i>	83
oxeye daisy	<i>Leucanthemum vulgare</i>	61
orange hawkweed	<i>Hieracium aurantiacum</i>	79
Japanese knotweed	<i>Polygonum cuspidatum</i>	87





**State of Alaska**  
**Department of Transportation & Public Facilities**  
**INVASIVE PLANT CONTROL PLAN**

Use the DOT&PF Southeast Region *Disposal and Control of Invasive Species* (see link) as a guide when completing this form. Attach pages as needed. [http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/resources/se\\_invasive\\_final.pdf](http://www.dot.state.ak.us/stwddes/desenviron/assets/pdf/resources/se_invasive_final.pdf).

<b>Project Number:</b>	<b>Project Name:</b>
<b>Contact Person:</b>	<b>Contracting Firm Name:</b>
<b>Phone:</b>	<b>Address:</b>
<b>Email:</b>	<b>Phone:</b>

**Part 1 – Control of Invasive Plants**

**A. Invasive Plants Survey Details:** Provide the date the invasive species survey was conducted and the name of the company or agency that performed the survey (e.g., “7/2014, DOT&PF”)

**B. Invasive Plants Presence/Absence:** Place a checkmark next to the correct response to indicate whether invasive plants are present.

- No known invasive plants (*do not complete the rest of the form*)       Invasive plants are present

**C. Anticipated Date(s) of Control Activities:** \_\_\_\_\_

**D. Place a checkmark next to each of the proposed control methods.**

- |                                                     |                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Hand Pulling (HP)          | <input type="checkbox"/> Excavation (E) ( <i>provide depth(s) in Part I, Section E</i> ) |
| <input type="checkbox"/> Herbicide Application (HA) | <input type="checkbox"/> Mowing/Brush Cutting (MC)                                       |
| <input type="checkbox"/> Tarps or Other Covers (T)  | <input type="checkbox"/> Other (O) ( <i>Describe in Part I, Section F</i> )              |

If herbicides are proposed, this form must be approved by the DOT&PF Regional Environmental Manager. Herbicide use must be consistent with the DOT&PF Integrated Vegetation Management Plan [http://dot.alaska.gov/stwdmno/documents/ADOTPF\\_IVMP.pdf](http://dot.alaska.gov/stwdmno/documents/ADOTPF_IVMP.pdf) and must comply with the ADEC Pesticides General Permit.

**E. Invasive Plant List.** List invasive plants known to occur at the project site in column I, attach extra pages if necessary. For each species listed in column I, enter the applicable control method in column III using abbreviations defined in Part I D. If excavation is proposed, include the excavation depth (inches) in column III. For example, an entry of “E(36)” in column III indicates the corresponding species will be excavated to a depth of 36 inches.

I. Species	II. Are seeds, pods, and/or berries expected to be present during control?	III. Control Method (see Section D, above)
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____
_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

**Part 1 - Control of Invasive Plants (contd.)**

*F. Use this space to describe additional features of proposed control activities. For example, if tarps or other covers will be used, specify the materials, installation specifications, and monitoring plan. Attach additional pages if necessary.*

**Part 2 – Disposal of Invasive Plants**

**A. Location of proposed plant disposal site.** (If the contractor will incinerate plant materials, indicate the disposal location for ash)

- On-site, within project boundaries. If this option is selected, list below the stationing from plans.
- Off-site. If this option is selected, list below the address or GPS coordinates. Also attach to this form the property owner's written permission, waiver of claims, and copies of any required permits.

**B. Place a checkmark next to each of the invasive plant disposal methods listed below that will be utilized as part of this control plan.**

- Incineration
- Transport to a Landfill or Composting Facility
- Burial
- Other: \_\_\_\_\_ (Describe in Part 2, Section C)

**C. Use this space to describe additional features of the disposal plan.** For example, if applicable, outline plans to prevent dispersal of plant materials during transportation to an off-site location; describe incineration methods; and/or, if plant materials will be buried, specify depth(s) of burial and the materials that will be used to cap and/or line the burial pit. Attach additional pages if necessary.

**Prepared by:**

Name (Print): \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Title: \_\_\_\_\_

**For DOT&PF Use only:**       Approved       Approved with Conditions       Disapproved

Name (Print): \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Title: \_\_\_\_\_

**APPENDIX C**

**EROSION AND SEDIMENT CONTROL PLAN**





---

# Erosion and Sediment Control Plan

for:

## KTN Herring Cove Bridge Improvements Ketchikan, Alaska



**Alaska Department of Transportation & Public Facilities  
Southeast Region  
6860 Glacier Hwy.  
P.O. Box 112506  
Juneau, Alaska USA 99811-2506**

### **ESCP Preparation Date: June 2021**

*The following Erosion and Sediment Control Plan has been prepared by the Alaska Department of Transportation and Public Facilities (DOT&PF) to assist bidders in successfully planning their construction means and methods to comply with the 2011 Alaska Construction General Permit (CGP), United States Army Corps of Engineers (USACE) 404/10 Permit, Alaska Department of Environmental Conservation (ADEC) 401 Water Quality Certification, Alaska Department of Fish and Game (ADF&G) Title 16, and other permits associated with this project. This document is not intended to be all inclusive of the best management practices (BMP's) that will be required to reduce the potential for sediment discharge during construction and comply with permit conditions or construction specifications. This ESCP is intended to guide contractors during the bidding process and assist in the preparation of the contractor's Stormwater Pollution Prevention Plan (SWPPP) that must be approved prior to commencing construction after award. The contractor is responsible for the risk assessment analysis, planning, preparation and implementation of the SWPPP.*

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## SECTION 1 - GENERAL INFORMATION

### 1.0 PERMITTEE (5.3.1)

#### 1.1 Operator(s)/Contractor(s)

Insert Company or Organization Name **TBD**

Insert Name

Insert Address

Insert City, State, Zip Code

Insert Telephone Number

Insert Fax/Email

The contractor has day-to-day operational control over activities in the field, including subcontractors and erosion and sediment control measures.

Alaska Department of Transportation and Public Facilities

Michael Hills

P.O. Box 112506

Juneau, Alaska 99811-2506

907/465-2094

907/465-2030

DOT &PF has operational control over construction plans and specifications, including the ability to make modifications.

#### 1.2 Subcontractors

Insert Company or Organization Name **TBD**

Insert Name

Insert Address

Insert City, State, Zip Code

Insert Telephone Number

Insert Fax/Email

Insert Area of Control

## 2.0 STORM WATER CONTACTS (5.3.2)

Insert Role or Responsibility TBD  
 Insert Company or Organization Name  
 Insert Name  
 Insert Address  
 Insert City, State, Zip Code  
 Insert Telephone Number  
 Insert Fax/Email

### 2.1 Contact Information for SWPPP Preparation

The following individuals may be contacted for questions when writing the SWPPP:

<u>Name</u>	<u>Phone</u>	<u>Email</u>
Micheal Hills	465-2094	<a href="mailto:micheal.hills@alaska.gov">micheal.hills@alaska.gov</a>

### PROJECT INFORMATION (5.3.3)

#### 2.2 Project Information

**Project/Site Name:** KTN Herring Cove Bridge Improvements

**Project Street/Location:** South Tongass Highway, Herring Cove Bridge

**City:** Ketchikan

**State:** AK **Zip Code:** 99901

**Borough or Subdivision:** Ketchikan Gateway Borough

**Latitude/Longitude (Use one of three possible formats, and specify method)**

	Latitude:	Longitude:
Herring Cove Bridge	55 ° 19' 33" N (degrees, minutes, seconds)	131° 31' 32" W (degrees, minutes, seconds)

**Method for determining latitude/longitude:**

- USGS topographic map (specify scale: \_\_\_\_\_)     
  EPA Web site     
  GPS  
 Other (please specify): Google Earth

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## 2.3 Project Site-Specific Conditions (5.3.3)

### Mean annual precipitation based on nearest weather stations (inches):

153.73 inches, based on the Ketchikan, Alaska (504590) weather station.

<https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ak4590>

### Soil Type(s) and Slopes (describe soil type(s) and current slopes; note any changes due to grading or fill activities):

There is no site specific soil data available for this project. Disturbed soils will be road fills.

**Landscape Topography:** A majority of the road within the project limits is constructed on a riprap causeway in Herring Cove. The topography will not be significantly impacted by the project.

Drainage patterns currently move sheet-flow from the road surface to the edge of the road. Water is then transferred by open ditches and culverts. The proposed project includes one new drainage pipe and structure near the intersection of Power House Road.

**Approximate growing season:** The growing season for this region, from the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Alaska Region (Version 2.0), Coastal Western Hemlock-Sitka Spruce Forests, is April 29 to September 28.  
<http://www.poa.usace.army.mil/Portals/34/docs/regulatory/Alaska%20Regional%20Supplement.pdf>

**Type of Existing Vegetation:** The vegetation of the area consists of tidal species and Sitka spruce/western hemlock forest with a blueberry/dwarf dogwood understory.

**Contaminated Sites:** From the Categorical Exclusion (CE) Document;

*On 1/14/18 DEC received a report of a petroleum sheen on Herring Bay in Ketchikan. The source of the release was determined to be a 500-gallon above ground heating oil tank at a residence, operated as a long-term rental, at 24 Power House Road. The tank, located on the west side of the house, had rusted through the bottom and released ~200 gallons of diesel fuel to the frozen ground. The fuel entered a ditch at the bottom of the property and made its way through a culvert and into Herring Cove. By 1/19/18, after initial response efforts, the release was no longer causing sheen in Herring Cove. Initial response actions also included excavation of two areas, one just downhill of the tank, and one at the base of the driveway. Confirmation samples indicated petroleum contamination remains above DEC cleanup levels. The site has been excavated and the responsible party has decided to ship the contaminated soil to Republic Services for disposal. The contaminated soil is excavated, but still on site.*

*The proposed project would not require excavation dewatering near the contaminated site. The*



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*contaminated site is not within, but adjacent to, the Powerhouse Rd / S. Tongass Hwy intersection repaving area.*

*Herring Cove Beach is listed as impaired in the 2020 Ketchikan Beach Monitoring Field Report due to high levels of fecal coliform. Herring Cove Beach is ~100 feet from the project area. DEC was consulted about Herring Cove Beach on 3/12/2021. DEC did not have any concerns or permitting requirements for this project.*

Size (in inches) of the 2-year, 24-hour storm: According to NOAA Atlas 14, Volume 7, Version 2 for Ketchikan Into AP, Alaska (50-4590), the station nearest to the project, the 2-year, 24-hour storm will produce 6.11 inches of rainfall.

[https://hdsc.nws.noaa.gov/hdsc/pfds/pfds\\_map\\_ak.html](https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_ak.html)

Fall freeze-up and spring thaw dates: Freeze-up is December 1st. Spring thaw is April 15th.

<https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ak8494>

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### 3.0 NATURE OF CONSTRUCTION ACTIVITY (5.3.4)

#### 3.1 Scope of Work

Replace Herring Cove Bridge (No. 253) to include pedestrian facilities, improve the intersections of S. Tongass and Powerhouse Road and S. Tongass and Wood Road, resurface between the intersections of Powerhouse Rd and Wood Rd on S. Tongass, replace existing guardrail, and provide drainage improvements.

#### 3.2 Project Function (5.3.4.1)

The purpose of the project is to extend the service life of the roadway, improve intersection drainage, and increase safety for motorists and pedestrians, per the policies and guidelines found in the Alaska Highway Preconstruction Manual and the Alaska DOT Flexible Pavement Design Manual.

The existing roadway does not currently accommodate dedicated pedestrian facilities, and forces pedestrians to use the existing roadway, and bridge shoulders. This project will increase safety for pedestrians by constructing a new sidewalk along the west side of S. Tongass which will provide a dedicated pedestrian corridor. The existing Herring Cove Bridge will be replaced with a 131ft x 49ft single-span decked-bulb tee girder bridge.

The current Wood Road intersection geometry requires 3-point turns within the intersection for busses. Large commercial vehicles are accommodated by the updated intersection design, avoiding dangerous turning maneuvers. This project will update the curve superelevation from the 8% existing, to the 6% recommended by current standards.

#### 3.3 Sequence and Timing of Soil-disturbing Activities (5.3.4.2)

The contractor will be required to prepare a detailed schedule for review and approval prior to commencement of construction activities. The schedule will detail the sequence of activities and describe the stabilization schedule.

#### 3.4 Size of property and total area expected to be disturbed (5.3.4.3)

The following are estimates of the construction site:

Total project area:	5.4 acres
Construction-site area to be disturbed:	5.4 acres
Percentage impervious area BEFORE construction:	16.5 %
Runoff coefficient BEFORE construction:	.85

Percentage impervious area AFTER construction: 30.4%

Runoff coefficient AFTER construction: .85

### 3.5 Identification of all potential pollutant sources (5.3.4.5)

Potential sources of sediment to storm water runoff:

The primary sources of sediment to storm water runoff are material stockpiles and disturbed soils related to pavement activities.

Potential pollutants and sources, other than sediment, to storm water runoff:

The contractor is required to list any additional potential sources of pollution to storm water associated with all contractor and subcontractor operations throughout the course of the project. The potential pollutants list below should be updated based on current inventories and materials used or stored on the project.

The contractor will also be required to complete and follow a Hazardous Materials Control Plan for hazardous materials (including petroleum products) detailing cleanup methods, materials, and equipment on hand during construction. Any spills of oils or hazardous substances shall be reported immediately to the National Response Center, ADEC, and DOT&PF Environmental Section.

Trade Name Material	Storm Water Pollutants	Location
Gas, diesel, oil	Petroleum, oil and lubricants	Equipment storage area, staging area, fueling area
Antifreeze and coolants	Methanol, Ethylene glycol, Propylene glycol	Equipment storage area, staging area
Trash	Paper, plastic, metal	Waste storage area
Waste	Organic material	Sanitation facilities
Sanitary toilet	Fecal Coliform	With project limits, staging areas
General site litter	Paper, plastics, etc.	Within project limits, staging areas
Asphalt Cold Planning	Fines	Bridge Deck & Approached

### 4.0 SITE MAPS (5.3.5)

See Appendix A for the site map.

## 5.0 DISCHARGES

### 5.1 Locations of Other Industrial Storm Water Discharges (5.3.8)

None

### 5.2 Allowable Non-Storm Water Discharges and Locations of Use (1.4.2; 4.2.7; 5.3.9, 5.3.5.9)

None

## SECTION 2 - COMPLIANCE WITH STANDARDS, LIMITS, AND OTHER APPLICABLE REQUIREMENTS

### 6.0 DOCUMENTATION OF PERMIT ELIGIBILITY RELATED TO TOTAL MAXIMUM DAILY LOADS (3.2, 5.6)

#### 6.1 Identify Receiving Waters (5.3.3.3)

Herring Cove, Herring Cove Creek

Description of receiving waters: Tidal influenced coastal waters.

Description of storm sewer and/or drainage systems: Storm water surface is discharged to tidal waters.

#### 6.2 Identify TMDLs (5.6.1)

Is an EPA-established or approved TMDL published for the receiving water(s) listed in Section 7.1?

Yes       No

### 7.0 DOCUMENTATION OF PERMIT ELIGIBILITY RELATED TO ENDANGERED SPECIES (3.3, 5.7)

#### 7.1 Information on endangered or threatened species or critical habitat (5.7.1)

Are endangered or threatened species and critical habitats on or near the project area?

---

Yes       No

Will species or habitat be adversely affected by storm water discharge?

Yes       No

Describe the species and/or critical habitat, if species or habitat will be affected by storm water discharge,

N/A

Provide summary of necessary measures (5.7.5):

**8.0 APPLICABLE FEDERAL, STATE, TRIBAL,  
OR LOCAL REQUIREMENTS (4.13)**

The project SWPPP shall comply with the following federal, state, and local requirements:

- 1) ADEC APDES

The Contractor is responsible for obtaining all necessary permits and clearances for material and disposal sites.

## SECTION 3 - CONTROL MEASURES

### 9.0 CONTROL MEASURES/BEST MANAGEMENT PRACTICES (4.0; 5.3.6)

#### 9.1 Minimize amount of soil exposed during construction activity (4.1.2)

The contractor is required to minimize the extent and duration of exposed soils during construction operations. Preserving vegetation from unnecessary removal will be required.

<b><i>BMP Description:</i></b> Preservation of Existing Vegetation AK-1	
<b><i>Source:</i></b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input checked="" type="checkbox"/> <b><i>Permanent</i></b>	<input checked="" type="checkbox"/> <b><i>Temporary</i></b>
<b><i>Installation Schedule:</i></b>	Before clearing begins.
<b><i>Maintenance and Inspection:</i></b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b><i>Responsible Staff:</i></b>	SWPPP Manager & Superintendent

<b><i>BMP Description:</i></b> Seeding AK-10	
<b><i>Source:</i></b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input checked="" type="checkbox"/> <b><i>Permanent</i></b>	<input checked="" type="checkbox"/> <b><i>Temporary</i></b>
<b><i>Installation Schedule:</i></b>	Within 7 days of temporary cessation of work.
<b><i>Maintenance and Inspection:</i></b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b><i>Responsible Staff:</i></b>	SWPPP Manager & Superintendent

#### 9.2 Maintain natural buffer areas (4.1.3)

Are stream crossings or waters of the U.S. located within or immediately adjacent to the property?

Yes  No

The contractor is required to look for opportunities to preserve existing vegetation and maintain natural buffer zones to the extent possible in the construction area. Construction scheduling must consider preservation of existing vegetation. By clearing only areas where work will

immediately commence the contractor can limit the potential for erosion and provide effective sediment control in natural buffer areas.

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**BMP Description:** Preservation of Existing Vegetation AK-1

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**Source:** DOT&PF SWPPP Guide, Appendix B February 2011

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<input checked="" type="checkbox"/> <b>Permanent</b>	<input checked="" type="checkbox"/> <b>Temporary</b>
<b>Installation Schedule:</b>	Before clearing begins.
<b>Maintenance and Inspection:</b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent

### 9.3 Control storm water discharges and flow rates (4.1.4)

---

**BMP Description:** Preservation of Existing Vegetation AK-1

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**Source:** DOT&PF SWPPP Guide, Appendix B February 2011

---

<input checked="" type="checkbox"/> <b>Permanent</b>	<input checked="" type="checkbox"/> <b>Temporary</b>
<b>Installation Schedule:</b>	Before clearing begins.
<b>Maintenance and Inspection:</b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent

---

**BMP Description:** Rock Check Dam AK-7

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**Source:** DOT&PF SWPPP Guide, Appendix B February 2011

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<input type="checkbox"/> <b>Permanent</b>	<input checked="" type="checkbox"/> <b>Temporary</b>
<b>Installation Schedule:</b>	Prior to ground disturbing activities.
<b>Maintenance and Inspection:</b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent

#### 9.3.1 Protect Steep Slopes (4.2.6)

Will steep slopes be present at the site during construction?  Yes  No

#### 9.4 Storm Drain Inlet Protection Measures (4.3.1)

<b><i>BMP Description:</i></b> AK-19 Inlet Protection	
<b><i>Source:</i></b> Alaska Stormwater Pollution Prevention Plan Guide, AKDOT&PF	
<b><i>Temporary:</i></b> Drain Inlets that are located downgradient from areas of exposed soils will require inlet protection devices.	
<b><i>Installation Schedule:</i></b>	Prior to exposing soils upgrade in the drains area of drainage
<b><i>Maintenance and Inspection:</i></b>	Once every 7 days and twice weekly during periods of continuous precipitation or sequential storms.
<b><i>Responsible Staff:</i></b>	SWPPP Manager

#### 9.5 Water Body Protection Measures (4.3.2)

<b><i>BMP Description:</i></b> Rock Check Dam AK-7	
<b><i>Source:</i></b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input type="checkbox"/> <b><i>Permanent</i></b> <input checked="" type="checkbox"/> <b><i>Temporary</i></b>	
<b><i>Installation Schedule:</i></b>	Prior to ground disturbing activities.
<b><i>Maintenance and Inspection:</i></b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b><i>Responsible Staff:</i></b>	SWPPP Manager & Superintendent

<b><i>BMP Description:</i></b> Preservation of Existing Vegetation AK-1	
<b><i>Source:</i></b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input checked="" type="checkbox"/> <b><i>Permanent</i></b> <input checked="" type="checkbox"/> <b><i>Temporary</i></b>	
<b><i>Installation Schedule:</i></b>	Before clearing begins.
<b><i>Maintenance and Inspection:</i></b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b><i>Responsible Staff:</i></b>	SWPPP Manager & Superintendent

<b><i>BMP Description:</i></b> Seeding AK-10	
<b><i>Source:</i></b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input checked="" type="checkbox"/> <b><i>Permanent</i></b> <input checked="" type="checkbox"/> <b><i>Temporary</i></b>	
<b><i>Installation Schedule:</i></b>	Within 7 days of temporary cessation of work.



<b><i>Maintenance and Inspection:</i></b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b><i>Responsible Staff:</i></b>	SWPPP Manager & Superintendent

## 9.6 Down-Slope Sediment Controls (4.3.3)

N/A

## 9.7 Stabilized Construction Vehicle Access and Exit Points (4.3.4)

<b><i>BMP Description:</i></b> Vehicle Tracking Entrance / Exit AK-21	
<b><i>Source:</i></b> Alaska Stormwater Pollution Prevention Plan Guide, AKDOT&PF	
<b><i>Temporary:</i></b> Points of egress from areas of the project.	
<b><i>Installation Schedule:</i></b>	Prior to vehicle traffic from exposed soil areas to paved surfaces.
<b><i>Maintenance and Inspection:</i></b>	Prior to use by wheeled vehicle or construction traffic and once every 7 days and twice weekly during periods of continuous precipitation or sequential storms.
<b><i>Responsible Staff:</i></b>	SWPPP Manager

The contractor will be required to maintain a stable surface for traffic during construction. Driveways and intersecting roads must have a stabilized surface immediately following construction operations.

## 9.8 Dust Generation and Track-Out From Vehicles (4.3.5 and 4.3.6)

<b><i>BMP Description:</i></b> Dust Control	
<b><i>Source:</i></b> MOA <i>Appendix A Best Management Practices</i> 2010	
<b><i>Temporary:</i></b> Water will be applied to prevent the generation of fugitive dust.	
<b><i>Installation Schedule:</i></b>	During dry conditions prior to traffic that could cause air quality issues.
<b><i>Maintenance and Inspection:</i></b>	Water must be applied sparingly to minimize the potential for runoff that could transport pollutants. Inspection for conditions that could contribute to the generation of fugitive dust will be on going during the construction process.
<b><i>Responsible Staff:</i></b>	SWPPP Manager

**9.9 Soil Stockpiles (4.3.7)**

Contractor must protect soil stockpiles at the site during construction. Site maps must be updated to include locations of temporary stockpiles that will remain longer than 7 days. BMPs as required should be added here.

**9.10 Sediment basins (4.3.9)**

Will a sediment basin be required during construction?  Yes  No

**9.11 Dewatering (4.4)**

Will excavation dewatering be conducted during construction?  Yes  No

Refer to sheet Q2 in the plans.

**9.12 Soil Stabilization (4.5, 5.3.6.3)**

<b>BMP Description:</b> Preservation of Existing Vegetation AK-1	
<b>Source:</b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input checked="" type="checkbox"/> <b>Permanent</b>	<input checked="" type="checkbox"/> <b>Temporary</b>
<b>Installation Schedule:</b>	Before clearing begins.
<b>Maintenance and Inspection:</b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent

<b>BMP Description:</b> Seeding AK-10	
<b>Source:</b> DOT&PF SWPPP Guide, Appendix B February 2011	
<input checked="" type="checkbox"/> <b>Permanent</b>	<input checked="" type="checkbox"/> <b>Temporary</b>
<b>Installation Schedule:</b>	Within 7 days of temporary cessation of work.
<b>Maintenance and Inspection:</b>	Weekly minimum, bi-weekly during relatively continuous precipitation until deemed complete and stabilized by the project engineer.
<b>Responsible Staff:</b>	SWPPP Manager & Superintendent

---

**9.13 Treatment Chemicals (4.6; 5.3.6.4)**

If the contractor proposes to use treatment chemicals the following section must be completed.

Yes       No

**9.13.1 Treatment chemicals (4.5.1)**

The use of treatment chemicals is not expected on this project. If the contractors' means and methods will require the use of treatment chemicals to protect water quality a detailed plan will need to be submitted and approved by the project engineer.

**9.13.2 Treatment chemical use procedures (4.5.2)**

Contractor will be required to detail the chemical treatability and use prior to approval by the project engineer.

**9.13.3 Good housekeeping measures (4.8)****9.13.4 Washing of equipment and vehicles (4.8.1)**

Will equipment and vehicle washing and/or wheel wash-down be conducted at the site?

Yes       No

Contractor is required to detail vehicle and equipment cleaning, as necessary.

**9.13.5 Fueling and maintenance areas (4.8.2)**

Will equipment and vehicle fueling or maintenance be conducted at the site?

Yes       No

**9.13.6 Washout of applicators/containers used for paint, concrete, and other materials (4.8.4)**

Will washout areas for trucks, applicators, or containers of concrete, paint, or other materials be used at the site?       Yes       No

---

Valley gutters will be constructed of concrete. All wash off areas for trucks will be done off-site.

#### **9.13.7 Fertilizer or pesticide use (4.8.5)**

Will fertilizers or pesticides be used at the site?       Yes       No

Fertilizers may be used at the site in reseeding efforts. If fertilizers will be used, they must be stored to prevent rain fall or storm water from coming into contact with the materials prior to installation in areas prepared for seeding. All fertilizers must be used in accordance with all manufacturer's instructions at the rates specified to avoid potential contamination of runoff. Material name and associated BMPs should be listed by the contractor here.

#### **9.14 Spill notification (4.9)**

The contractors' Hazardous Material Control Plan (HMCP) may be cited in this section to meet the ACGP Section 4.8 permit requirements.

#### **9.15 Construction and Waste Materials (5.3.7)**

Dispose of wastes generated as part of this project at appropriate facilities. Collect trash and debris in receptacles that are lidded to prevent wind and animals from dumping the trash. Locate portable toilets to avoid accidentally being tipped over. Stake or tie down toilets to prevent them being blown over. Choose locations that allow the service truck to cross only paved areas, if possible.

The locations of dumpsters or trash collection facilities, as well as portable toilets must be shown on the SWPPP maps.

---

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## Section 4 - Inspections, Monitoring, and Recordkeeping

### 10.0 INSPECTIONS (5.4; 6.0)

#### 10.1 Inspection schedules (5.4.1.2; 6.1; 6.2)

Inspection frequency: **At least once every seven (7) calendar days and for periods of relatively continuous precipitation or sequential storm events, at least twice every seven (7) calendar days.**

Justification for reduction in inspection frequency, if applicable: N/A

#### 10.2 Inspection form or checklist (5.4.1.3; 6.7)

See Appendix K (Form 25D-100). The inspection form will be completed in its entirety.

#### 10.3 Corrective action procedures (5.4.1.4; 8.0)

Identify how conditions found that require corrective action will be addressed:

The following guidelines apply for setting corrective action complete-by dates as required by the ACGP:

For conditions that are easily remedied (i.e., removal of tracked sediment, maintenance of control measures, or spill clean-up), the permittee must initiate appropriate steps to correct the problem within twenty-four (24) hours and correct the problem as soon as possible; or

If installation of a new control measure is needed or an existing control measure requires significant redesign and reconstruction or replacement, the permittee must install the new or modified measure and make it operational within seven (7) calendar days from the time of discovery of the need for the corrective action, unless it is not practicable.

Additionally, deadlines for completion of corrective actions shall be selected to protect water quality and prior to the next storm event unless impracticable.

#### Corrective Action Log

The corrective action log will document the following within 24 hours of discovery of any conditions listed in Part 8.1 of the ACGP:

- Date the problem was identified

- 
- Summary of corrective action taken or to be taken
  - Notice of whether SWPPP modifications were required as a result of this discovery or corrective action
  - Date corrective action completed and name of person completing the action

Use Form 25D- 112 in Appendix J.

In the event there is a reason (outside of the project staff's control) that a corrective action cannot practicably be completed by the set complete-by date, DOT&PF will complete a Delayed Action Item Report (Form 25D-113). This form will set a new complete-by date and document the reason that the previous date could not be met.

#### **10.4 Inspection recordkeeping (5.4.2)**

Records (including inspection reports, corrective action logs, delayed action item reports, grading and stabilization logs, amendment logs, staff tracking logs, rainfall logs, and training logs) will be maintained for a minimum period of at least three (3) years after the permit is terminated. A hard copy and electronic copy of the final SWPPP, including all appendices, will be transmitted to DOT&PF when the project's NOTs are filed.

### **11.0 MONITORING PLAN (IF APPLICABLE) (5.5; 7.0)**

#### **11.1 Determination of Need for Monitoring Plan**

Is there an EPA-established or approved TMDL for Herring Cove?

Yes  No

Is the receiving water listed as impaired for turbidity and/or sediment?  Yes  No

What is the acreage of the disturbance in the proposed construction project? 5.4 acres

Is the disturbed acreage equal to or greater than 20 acres?  Yes  No

#### **11.2 Additional Documentation Requirements (5.8.2)**

A staff tracking log will be included in Appendix E to document any changes in personnel for the positions of Superintendent, Project Engineer, SWPPP Manager, and Inspectors.

The Grading and Stabilization Log, Form 25D-110 in Appendix G, will be filled out to satisfy the following ACGP requirements:

- Dates when grading activities occur (5.8.2.1)

- 
- Dates when construction activities temporarily or permanently cease (5.8.2.2)
  - Dates when stabilization measures are initiated (5.8.2.3)

For any portion of the site where a permittee has established temporary grading in that portion of the site and for areas where clearing, grading, excavating or other earth disturbing activities have temporarily ceased, **temporary stabilization measures will be initiated as soon as practicable or within seven (7) calendar days** (4.4.2.1.1).

For any portion of the site where a permittee has established final grading in that portion of the site and for areas where clearing, grading, excavating or other earth disturbing activities have permanently ceased, **final stabilization measures will be initiated within seven (7) calendar days** (4.4.3.1.1).

**Within seven (7) calendar days of initiating final stabilization** (as defined in Appendix C of the 2011 ACGP), **the permittee will complete or continue maintenance for the conditions allowed in Part 4.4.3.2 of the ACGP.**

#### 11.2.1 Records of employee training (4.12; 5.8.2.9)

### 12.0 MAINTAINING AN UPDATED SWPPP (5.9)

The permittee must modify the SWPPP, including site map(s), in response to any of the following:

- whenever changes are made to construction plans, control measures, good housekeeping measures, monitoring plan (if applicable), or other activities at the site that are no longer accurately reflected in SWPPP (5.9.1.1);
- if inspections of site investigations by staff or by local, state, tribal, or federal officials determine SWPPP modifications are necessary for permit compliance (5.9.1.2); and
- to reflect any revisions to applicable federal, state, tribal, or local laws that affect control measures implemented at the construction site (5.9.1.3).

#### 12.1 Log of SWPPP Modifications (5.9.2)

Form 25D-114 in Appendix M will be used to document SWPPP amendments. **Amendments must be approved by an AK-CESCL or equivalently certified individual.**

Deadlines for SWPPP Modifications (5.9.3): Revisions to the SWPPP must be completed within seven days of the inspection that identified the need for a SWPPP modification or within seven days of substantial modifications to the construction plans or changes in site conditions.

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### **13.0 ADDITIONAL SWPPP REQUIREMENTS (5.10)**

#### **13.1 Retention of SWPPP (5.10.1)**

A copy of the SWPPP (including a copy of the permit), NOI, and acknowledgement letter from ADEC must be retained at the construction site.

#### **13.2 Main entrance signage (5.10.2)**

A sign or other notice must be posted conspicuously near the main entrance of the site. The sign or notice must include a copy of the completed NOI.

#### **13.3 Availability of SWPPP (5.10.3)**

The permittee must keep a current copy of the SWPPP at the site. The SWPPP must be made available to subcontractors, government and tribal agencies, and MS4 operators, upon request.

#### **13.4 Signature and certification (5.10.4)**

The SWPPP must be signed and certified by DOT&PF and the contractor in accordance with the requirements of the 2011 ACGP Appendix A, Part 1.12. Either the contractor's corporate officer or their duly authorized representative can certify the SWPPP. If a duly authorized representative certifies, the Delegation of Signature Authority form must be included in Appendix E.

Insert forms 25D-109 and 25D-111.







**APPENDIX D**

**MATERIAL CERTIFICATION LIST**



**MATERIALS CERTIFICATION LIST, EXCEPT SECTION 660/661/740**

Project Name

**KTN HERRING COVE BRIDGE IMPROVEMENTS**

Project Number

**0902043/SFHwy00072**

Project Engineer Signature

Unshaded boxes indicate who approves the manufacturer's certificate of compliance or materials submittals. If two boxes not shaded, either approving authority may be used.

Materials Item	Specification	Construction		Design			Statewide Materials		Manufacturer/ Remarks	Certificate Location e.g. Binder #
	2020 or as noted	Project Engineer	Regional Materials or QA Engineer	Design Engineer of Record	State Bridge Engineer	Regional Traffic Engineer	*Qualified Products List (QPL)	State Materials or QA Engineer		
<b>205 EXCAVATION AND FILL FOR MAJOR STRUCTURES</b>										
Controlled Low-Strength Material	712-2.22									
<b>401 ASPHALT CONCRETE PAVEMENT</b>										
Asphalt Binder	702-2.01									
<b>602 STRUCTURAL PLATE PIPE</b>										
Pipe										
Aluminum Alloy	707-2.04									
<b>670 TRAFFIC MARKINGS</b>										
Methyl Methacrylate Markings, Beads, Anti-Skid Combined Cert.	712-2.17, 712- 2.18									

\*Unshaded boxes under QPL do not indicate that the materials are currently on that list. They indicate materials with potential for being on the QPL once qualified. See Section 106-1.05 for submittal requirements.

Unshaded boxes indicate who approves the manufacturer's certificate of compliance or materials submittals. If two boxes not shaded, either approving authority may be used.

Materials Item	Specification	Construction		Design			Statewide Materials		Manufacturer/ Remarks	Certificate Location e.g. Binder #
	2020 or as noted	Project Engineer	Regional Materials or QA Engineer	Design Engineer of Record	State Bridge Engineer	Regional Traffic Engineer	*Qualified Products List (QPL)	State Materials or QA Engineer		
<b>Additional Materials</b>										

\*Unshaded boxes under QPL do not indicate that the materials are currently on that list. They indicate materials with potential for being on the QPL once qualified. See Section 106-1.05 for submittal requirements.

Project Name

**KTN Herring Cove Bridge Improvements**

Project Number

**0902043/SFHWHY00072**

Project Engineer Signature

Unshaded boxes indicate who approves the manufacturer's certificate of compliance or materials submittals. If two boxes are unshaded, either approving authority may be used.

SECTION 660/661/740 MASTER MATERIALS CERTIFICATION LIST (Updated 01/01/2021)										
Item	2017 Specifications	2020 Specifications	Third Party Listing or Labeling Required? (Y/N)	Acceptance By:						Remarks
				Construction		Design			Statewide	
				Project Engr	QA/Matls Engr	Design Engr	Bridge Engr	Traffic Engr	State Materials Engineer	
<b>660 SIGNALS AND LIGHTING</b>										
<b>HIGHWAY LIGHTING SYSTEMS</b>										
PORTLAND CEMENT CONCRETE ELECTROLIER FOUNDATION:			N							
Cast in Drilled Hole			N							
Concrete Mix Design	660-3.02	660-3.02	N							
Reinforcing Steel	709-2.01	709-2.01	N							
Ferrule Anchor	Std Plan.	Std. Plans	N							
Corrugated Steel Pipe	660-3.02	660-3.02	N							
Frangible Couplings	Std Plan.	Std. Plans	N							
Precast Foundations	See Detail in Plans	See Detail in Plans	N							
JUNCTION BOXES: (from Manufacturers on APL)										
Type I / IA, II, III	See Detail in Plans 660-2.01 709-2.01 711-2.01	See Detail in Plans 660-2.01 709-2.01 711-2.01	N							
<b>SIGNAL AND LIGHTING STRUCTURES</b>										
STEEL POLES AND TOWERS:	See Detail in Plans 740-2.02	See Detail in Plans 740-2.02	N							
Galvanizing		740-2.02	N							
Shop Drawings	660-3.01 740-2.02	660-3.01 740-2.02	N							
Computations, Wind Stress Certification		740-2.02	N							
Welding Quality Control Plan	660-3.01 740-2.02	660-3.01 740-2.02	N							
Mill Certifications for Steel Products		740-2.02	N							
<b>CONDUIT :</b>										
Galvanized Rigid Metal Conduit		740-2.06	Y							
High Density Polyethylene Conduit	740-2.06	740-2.06	Y							Central Region
High Density Polyethylene Couplings	660-3.03	660-3.03	Y							Central Region
RMC to HDPE Electrofusion Coupler	660-3.03	660-3.03	N							
Galvanized Couplings		740-2.06	Y							
Galvanized Split Couplings		740-2.06	Y							
Galvanized Elbows		740-2.06	Y							
Galvanized Nipples	740-2.06	740-2.06	Y							
Expansion Joints		660-3.03	Y							
Bored Casing	660-3.03	660-3.03	N							

**SECTION 660/661/740 MASTER MATERIALS CERTIFICATION LIST** (Updated 01/01/2021)

Item	2017 Specifications	2020 Specifications	Third Party Listing or Labeling Required? (Y/N)	Acceptance By:						Remarks
				Construction		Design			Statewide	
				Project Engr	QA/Matls Engr	Design Engr	Bridge Engr	Traffic Engr	State Materials Engineer	
Underground Marker Tape	660-3.03	660-3.03	N							
Electronic Marker Capsule (underground junction boxes - antenna encapsulated in a 4 inch red polyethylene ball - responsive to locator device up to 5 feet)			N							Central Region, Part# 3M-EMS 1402
Pull Rope	660-3.03	660-3.03	N							
Type "C" and "LB" Conduit Outlet Bodies with Covers, Gaskets & Plugs	See Detail in Plans 740-2.06	See Detail in Plans 740-2.06	Y							
<b>BONDING &amp; GROUNDING:</b>										
Grounding Bushings	See Detail in Plans 740-2.06 660-3.01 660-3.06	See Detail in Plans 740-2.06 660-3.01 660-3.06	Y							
# 8, #6, or larger Bare Copper Ground Wire	See Detail in Plans 660-3.06	See Detail in Plans 660-3.06	N							
Braided Copper J-Box Lid Bonding Wire	See Detail in Plans 740-2.06 660-3.06	See Detail in Plans 740-2.06 660-3.06	Y							
Compression Tap Connectors	See Detail in Plans 740-2.06 660-3.06	See Details in Plans 660-3.02 660-3.06	Y							
<b>CONDUCTORS / CABLES:</b>										
3C#8 Illumination Cable - PE Jacket		740-2.05	Y							
3C#6 Illumination Cable - PE Jacket		740-2.05	Y							
Illumination Cable - PE Jacket	740-2.05	740-2.05	Y							
1C#10 Luminaire Tap Conductors		740-2.05	Y							
Identification Labels		660-3.05	N							
<b>SPLICES</b>										
Overlap Type Crimp Connector			Y							
Heat Shrink Tubing	See Detail in Plans 660-3.05	See Detail in Plans 660-3.05	Y							
Electrical Tape	See Detail in Plans 660-3.05	See Detail in Plans 660-3.05	Y							
Power Cable Splice Kit (Lighting)	See Detail in Plans 660-3.05	See Detail in Plans 660-3.05	Y							
Double Fuse Connector Kits (Lighting)	See Detail in Plans 740-2.07	See Detail in Plans 740-2.07	Y							
Fuses for Double Fuse Connector Kits	See Detail in Plans 740-2.07	See Detail in Plans 740-2.07	Y							
Inline Resin Splice Kit (Lighting)			Y							
Wye Resin Splice Kit (Lighting)			N							
Fused Disconnect Kits (Lighting)			Y							
Fuses for Disconnect Kits			Y							
<b>LIGHTING FIXTURES</b>										
LED Luminaire (include all additional requirements)	See Detail in Plans 740-2.18	See Detail in Plans 740-2.18	Y							
Cobra Head Luminaire, Lamp, Ballast		See Detail in Plans 740-2.18 740-2.21	Y							
<b>661 ELECTRICAL LOAD CENTERS</b>										
TYPE 1 & TYPE 1A FOUNDATIONS	See Details in Plans 661-2.01	See Details in Plans 661-2.01	N							



**SECTION 660/661/740 MASTER MATERIALS CERTIFICATION LIST** (Updated 01/01/2021)

Item	2017 Specifications	2020 Specifications	Third Party Listing or Labeling Required? (Y/N)	Acceptance By:						Remarks
				Construction		Design			Statewide	
				Project Engr	QA/Matls Engr	Design Engr	Bridge Engr	Traffic Engr	State Materials Engineer	
<b>BONDING &amp; GROUNDING:</b>										
Copper Ground Rod	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Ground Clamps	661-2.01	661-2.01	Y							
# 6 Bare Copper Grounding Wire	See Details in Plans 660-3.06	See Details in Plans 660-3.06	N							
<b>COMPONENTS IN COMMON</b>										
Photoelectric Control	See Details in Plans 740-2.20 661-2.01	See Details in Plans 740-2.20 661-2.01	Y							
1-5C#14			Y							
Photocell Cable	See Details in Plans 740-2.05	See Details in Plans 740-2.05	Y							
Contactors	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Multi-Pole Contactor for Type 1A, 2, or 3 Ld Ctr			Y							
Load Panel	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Neutral Bus Bar System	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Ground Bus Bar System	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Terminals	661-2.01	661-2.01	Y							
Control Switch (selector switch)	See Details in Plans 661-3.01	See Details in Plans 661-3.01	Y							
Meter Socket	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Manual Circuit Closing Device	661-2.01	661-2.01	Y							
Circuit Breakers	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
Galvanized Rigid Metal Conduit	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							
<b>LOAD CENTER ASSEMBLIES</b>										
Type 1A	See Details in Plans 661-2.01	See Details in Plans 661-2.01	Y							





STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
**REQUIRED CONTRACT PROVISIONS**  
for  
**FEDERAL-AID (FHWA) CONSTRUCTION CONTRACTS**

FHWA-1273 -- Revised May 1, 2012  
Supplement , Cargo Preference Act – Effective February 15, 2016

**REQUIRED CONTRACT PROVISIONS**  
**FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

**ATTACHMENTS**

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

**I. GENERAL**

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's

immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

**II. NONDISCRIMINATION**

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27)

and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of

employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

**6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

**10. Assurance Required by 49 CFR 26.13(b):**

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should

represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for

determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## 2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## 3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that

the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed,

as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### 4. Apprentices and trainees

##### a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity



requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

**3. Withholding for unpaid wages and liquidated damages.** The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is

evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

## VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

## VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

#### **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

#### **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

##### **1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

### **2. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS  
PREFERENCE FOR APPALACHIAN DEVELOPMENT  
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS  
ROAD CONTRACTS**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

**SUPPLEMENT to Form FHWA -1273  
CARGO PREFERENCE ACT REQUIREMENTS**

This provision requires compliance with the Cargo Preference Act (CPA) and its implementing regulations in 46 CFR 381 for all Federal Aid Projects awarded after February 15, 2016.

In accordance with 46 CFR 381.7, the following language must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of 46 CFR 381.7 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

(a) Agreement Clauses. Use of United States-flag vessels:

(1) Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

(b) Contractor and Subcontractor Clauses. Use of United States-flag vessels: The contractor agrees—

(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

(2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract."





"General Decision Number: AK20210001 06/25/2021

Superseded General Decision Number: AK20200001

State: Alaska

Construction Types: Building and Heavy

Counties: Alaska Statewide.

BUILDING AND HEAVY CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR

5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/01/2021
1	03/19/2021
2	04/09/2021
3	05/07/2021
4	06/25/2021

ASBE0097-001 01/01/2018

	Rates	Fringes
Asbestos Workers/Insulator (includes application of all insulating materials protective coverings, coatings and finishings to all types of mechanical systems).....	\$ 38.68	21.57
HAZARDOUS MATERIAL HANDLER (includes preparation, wetting, stripping, removal scrapping, vacuming, bagging, and disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....	\$ 37.38	19.55

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BOIL0502-002 10/01/2017

Rates Fringes

BOILERMAKER.....\$ 46.17 29.70

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BRAK0001-002 07/01/2018

	Rates	Fringes
Bricklayer, Blocklayer, Stonemason, Marble Mason, Tile Setter, Terrazzo Worker.....	\$ 40.81	19.77
Tile & Terrazzo Finisher.....	\$ 34.79	19.62

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CARP1501-001 09/01/2019

	Rates	Fringes
MILLWRIGHT.....	\$ 37.64	23.46

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CARP2520-003 09/01/2019

	Rates	Fringes
Diver		
Stand-by.....	\$ 42.65	26.51
Tender.....	\$ 41.65	26.51
Working.....	\$ 82.45	26.51
Piledriver		
Piledriver; Skiff Operator and Rigger.....	\$ 38.34	26.51
Sheet Stabber.....	\$ 38.34	26.51
Welder.....	\$ 43.90	26.51

DEPTH PAY PREMIUM FOR DIVERS BELOW WATER SURFACE:

50-100 feet	\$1.00 per foot
101 feet and deeper	\$2.00 per foot

ENCLOSURE PAY PREMIUM WITH NO VERTICAL ASCENT:

5-50 FEET	\$1.00 PER FOOT/DAY
51-100 FEET	\$2.00 PER FOOT/DAY
101 FEET AND ABOVE	\$3.00 PER FOOT/DAY

SATURATION DIVING:

The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

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CARP4059-001 09/01/2019

	Rates	Fringes
CARPENTER		
Including Lather and		
Drywall Hanging.....	\$ 38.34	26.51

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ELEC1547-004 04/01/2020

	Rates	Fringes
CABLE SPLICER.....	\$ 41.27	3% + 27.64
ELECTRICIAN.....	\$ 40.94	3% + 27.89

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ELEC1547-005 04/01/2021

Line Construction

	Rates	Fringes
CABLE SPLICER.....	\$ 57.79	32.04
Linemen (Including Equipment Operators, Technician).....	\$ 56.04	3%+32.04
Powderman.....	\$ 54.04	32.04
TREE TRIMMER.....	\$ 37.30	3%+25.94

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ELEV0019-002 01/01/2020

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 59.11	35.245

FOOTNOTE: a. Employer contributes 8% of the basic hourly rate for over 5 year's service and 6% of the basic hourly rate for 6 months to 5 years' of service as vacation paid credit. b. Eight paid holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Veteran's Day; Thanksgiving Day; Friday after Thanksgiving, and Christmas Day

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ENGI0302-002 01/01/2021

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 41.53	24.50
Group 1.....	\$ 42.53	25.20
GROUP 1A.....	\$ 43.29	24.50

Group 1A.....	\$ 44.29	25.20
GROUP 2.....	\$ 40.76	24.50
Group 2.....	\$ 41.76	25.20
GROUP 3.....	\$ 40.04	24.50
Group 3.....	\$ 41.04	25.20
GROUP 4.....	\$ 33.83	24.50
Group 4.....	\$ 34.83	25.20
TUNNEL WORK		
GROUP 1.....	\$ 45.68	24.50
Group 1.....	\$ 46.78	25.20
GROUP 1A.....	\$ 47.62	24.50
Group 1A.....	\$ 48.72	25.20
GROUP 2.....	\$ 44.84	24.50
Group 2.....	\$ 45.94	25.20
GROUP 3.....	\$ 44.04	24.50
Group 3.....	\$ 45.14	25.20
GROUP 4.....	\$ 37.12	24.50
Group 4.....	\$ 38.31	25.20

#### POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt Roller: Breakdown, Intermediate, and Finish; Back Filler; Barrier Machine (Zipper); Beltcrete with power pack and similar conveyors; Bending Machine; Boat Coxwains; Bulldozers; Cableways, Highlines and Cablecars; Cleaning Machine; Coating Machine; Concrete Hydro Blaster; Cranes-45 tons and under or 150 foot boom and under (including jib and attachments): (a) Hydralifts or Transporters, all track or truck type, (b) Derricks; Crushers; Deck Winches-Double Drum; Ditching or Trenching Machine (16 inch or over); Drilling Machines, core, cable, rotary and exploration; Finishing Machine Operator, Concrete Paving, Laser Screed, Sidewalk, Curb and Gutter Machine; Helicopters; Hover Craft, Flex Craft, Loadmaster, Air Cushion, All Terrain Vehicle, Rollagon, Bargecable,

Nodwell, and Snow Cat; Hydro Ax: Feller Buncher and similar; Loaders (2 1/2 yards through 5 yards, including all attachments): Forklifts with telescopic boom and swing attachment, Overhead and front end, 2 1/2 yards through 5 yards, Loaders with forks or pipe clamps; Loaders, elevating belt type, Euclid and similar types; Mechanics, Bodyman; Micro Tunneling Machine; Mixers: Mobile type w/hoist combination; Motor Patrol Grader; Mucking Machines: Mole, Tunnel Drill, Horizontal/Directional Drill Operator, and/or Shield; Operator on Dredges; Piledriver Engineers, L. B. Foster, Puller or similar Paving Breaker; Power Plant, Turbine Operator, 200 k.w. and over (power plants or combination of power units over 300 k.w.); Scrapers-through 40 yards; Service Oiler/Service Engineer; Sidebooms-under 45 tons; Shot Blast Machine; Shovels, Backhoes, Excavators with all attachments, and Gradealls (3 yards and under), Spreaders, Blaw Knox, Cedarapids, Barber Greene, Slurry Machine; Sub-grader (Gurries, Reclaimer, and similar types); Tack tractor; Truck mounted Concrete Pumps, Conveyor, Creter; Water Kote Machine; Unlicensed off road hauler

GROUP 1A: Camera/Tool/Video Operator (Slipline), Cranes-over 45 tons or 150 foot (including jib and attachments): (a) Clamshells and Draglines (over 3 yards), (b) Tower cranes; Licensed Water/Waste Water Treatment Operator; Loaders over 5 yds.; Certified Welder, Electrical Mechanic, Camp Maintenance Engineer, Mechanic (over 10,000 hours); Motor Patrol Grader, Dozer, Grade Tractor, Roto-mill/Profiler (finish: when finishing to final grade and/or to hubs, or for asphalt); Power Plants: 1000 k.w. and over; Quad; Screed; Shovels, Backhoes, Excavators with all attachments (over 3 yards), Sidebooms over 45 tons; Slip Form Paver, C.M.I. and similar types; Scrapers over 40 yards;

GROUP 2: Boiler-fireman; Cement Hog and Concrete Pump Operator; Conveyors (except as listed in group 1); Hoist on steel erection; Towermobiles and Air Tuggers; Horizontal/Directional Drill Locator; Licensed Grade Technician; Loaders, (i.e., Elevating Grader and Material Transfer Vehicle); Locomotives: rod and geared engines; Mixers; Screening, Washing Plant; Sideboom (cradling rock drill regardless of size); Skidder; Trenching Machine under 16 inches; Waste/ Waste Water Treatment Operator.

GROUP 3: "A" Frame Trucks, Deck Winches: single power drum; Bombardier (tack or tow rig); Boring Machine; Brooms-power; Bump Cutter; Compressor; Farm tractor; Forklift, industrial type; Gin Truck or Winch Truck with poles when used for hoisting; Grade Checker and Stake Hopper; Hoist, Air Tuggers, Elevators; Loaders: (a) Elevating-Athey, Barber Green and similar types (b) Forklifts or Lumber Carrier (on construction job site) (c) Forklifts with Tower (d) Overhead and Front-end, under 2 1/2 yds. Locomotives: Dinkey (air, steam, gas and electric) Speeders; Mechanics (light duty); Oil, Blower Distribution; Post Hole Diggers, mechanical; Pot Fireman (power agitated); Power Plant, Turbine Operator, under 200 k.w.; Pumps-water; Roller-other than Plantmix; Saws, concrete; Skid Steer with all attachments; Straightening Machine; Tow Tractor

GROUP 4: Rig Oiler/Crane Assistant Engineer; Parts and Equipment Coordinator; Swamper (on trenching machines or shovel type equipment); Spotter; Steam Cleaner; Drill Helper.

FOOTNOTE: Groups 1-4 receive 10% premium while performing tunnel or underground work. Rig Oiler/Crane Assistant Engineer shall be required on cranes over 85 tons or over



100 feet of boom.

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IRON0751-003 07/01/2020

	Rates	Fringes
IRONWORKER		
BENDER OPERATOR.....	\$ 38.87	33.79
BRIDGE, STRUCTURAL,		
ORNAMENTAL,		
REINFORCING		
MACHINERY MOVER,		
RIGGER,		
SHEETER, STAGE		
RIGGER,		
BENDER OPERATOR.....	\$ 38.87	33.79
BRIDGE, STRUCTURAL,		
ORNAMENTAL, REINFORCING		
MACHINERY MOVER, RIGGER,		
SHEETER, STAGE RIGGER,		
BENDER OPERATOR.....	\$ 38.75	32.63
FENCE, BARRIER INSTALLER....	\$ 35.37	33.79
GUARDRAIL INSTALLERS.....	\$ 36.37	33.79
GUARDRAIL LAYOUT MAN.....	\$ 36.11	33.79
HELICOPTER, TOWER.....	\$ 39.87	33.79

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LABO0341-001 04/01/2020

	Rates	Fringes
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LABORER (South of the 63rd  
 Parallel & West of Longitude  
 138 Degrees)

GROUP 1.....	\$ 31.71	28.26
GROUP 2.....	\$ 32.71	28.26
GROUP 3.....	\$ 33.61	28.26
GROUP 3A.....	\$ 36.89	28.26
GROUP 3B.....	\$ 40.68	25.55
GROUP 4.....	\$ 21.28	28.26
TUNNELS, SHAFTS, AND RAISES		
GROUP 1.....	\$ 34.88	28.26
GROUP 2.....	\$ 35.98	28.26
GROUP 3.....	\$ 36.97	28.26
GROUP 3A.....	\$ 40.58	28.26
GROUP 3B.....	\$ 44.75	25.55

#### LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Workers (shovelman, plant crew); Brush Cutters; Camp Maintenance Laborer; Carpenter Tenders; Choke Setters, Hook Tender, Rigger, Signalman; Concrete Laborer (curb and gutter, chute handler, grouting, curing, screeding); Crusher Plant Laborer; Demolition Laborer; Ditch Diggers; Dump Man; Environmental Laborer (asbestos (limited to nonmechanical systems), hazardous and toxic waste, oil spill); Fence Installer; Fire Watch Laborer; Flagman; Form Strippers; General Laborer; Guardrail Laborer, Bridge Rail Installers; Hydro-Seeder Nozzleman; Laborers (building); Landscape or Planter; Laying of Decorative Block (retaining walls, flowered decorative block 4 feet and below); Material Handlers; Pneumatic or Power Tools; Portable or Chemical Toilet Serviceman; Pump Man or Mixer Man; Railroad Track Laborer; Sandblast, Pot Tender; Saw Tenders; Scaffold Building and Erecting; Slurry Work; Stake Hopper; Steam Point or Water Jet Operator;

Steam Cleaner Operator; Tank Cleaning; Utiliwalk, Utilidor Laborer and Conduit Installer; Watchman (construction projects); Window Cleaner

GROUP 2: Burning and Cutting Torch; Cement or Lime Dumper or Handler (sack or bulk); Choker Splicer; Chucktender (wagon, airtrack and hydraulic drills); Concrete Laborers (power buggy, concrete saws, pumpcrete nozzleman, vibratorman); Culvert Pipe Laborer; Cured in place Pipelayer; Environmental Laborer (marine work, oil spill skimmer operator, small boat operator); Foam Gun or Foam Machine Operator; Green Cutter (dam work); Gunnite Operator; Hod Carriers; Jackhammer or Pavement Breakers (more than 45 pounds); Laying of Decorative Block (retaining walls, flowered decorative block above 4 feet); Mason Tender and Mud Mixer (sewer work); Pilot Car; Plasterer, Bricklayer and Cement Finisher Tenders; Power Saw Operator; Railroad Switch Layout Laborer; Sandblaster; Sewer Caulkers; Sewer Plant Maintenance Man; Thermal Plastic Applicator; Timber Faller, chain saw operator, filer; Timberman

GROUP 3: Alarm Installer; Bit Grinder; Guardrail Machine Operator; High Rigger and tree topper; High Scaler; Multiplate; Slurry Seal Squeegee Man

GROUP 3A: Asphalt Raker, Asphalt Belly dump lay down; Drill Doctor (in the field); Drillers (including, but not limited to, wagon drills, air track drills; hydraulic drills); Powderman; Pioneer Drilling and Drilling Off Tugger (all type drills); Pipelayers

GROUP 3B: Grade checker (setting or transferring of grade marks, line and grade)

GROUP 4: Final Building Cleanup

TUNNELS, SHAFTS, AND RAISES CLASSIFICATIONS

GROUP 1: Brakeman; Muckers; Nippers; Topman and Bull Gang;  
Tunnel Track Laborer

GROUP 2: Burning and Cutting Torch; Concrete Laborers;  
Jackhammers; Nozzleman, Pumpcrete or Shotcrete.

GROUP 3: Miner; Retimberman

GROUP 3A: Asphalt Raker, Asphalt Belly dump lay down; Drill  
Doctor (in the field); Drillers (including, but not limited  
to, wagon drills, air track drills; hydraulic drills);  
Powderman; Pioneer Drilling and Drilling Off Tugger (all  
type drills); Pipelayers.

GROUP 3B: Grade checker (setting or transferring of grade  
marks, line and grade)

Tunnel shaft and raise rates only apply to workers regularly  
employed inside a tunnel portal or shaft collar.

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LABO0942-001 04/01/2021

	Rates	Fringes
Laborers: North of the 63rd Parallel & East of Longitude 138 Degrees		
GROUP 1.....	\$ 31.71	28.36
Group 1.....	\$ 32.00	27.58
GROUP 2.....	\$ 32.71	28.36
Group 2.....	\$ 33.00	27.58

GROUP 3.....	\$ 33.61	28.36
Group 3.....	\$ 33.90	27.58
GROUP 3A.....	\$ 36.89	28.36
Group 3A.....	\$ 37.18	27.58
GROUP 3B.....	\$ 40.68	25.65
Group 3B.....	\$ 40.97	24.87
GROUP 4.....	\$ 21.28	28.36
Group 4.....	\$ 21.57	27.58
TUNNELS, SHAFTS, AND RAISES		
GROUP 1.....	\$ 34.88	28.36
Group 1.....	\$ 35.20	27.58
GROUP 2.....	\$ 35.98	28.36
Group 2.....	\$ 36.30	27.58
GROUP 3.....	\$ 36.97	28.36
Group 3.....	\$ 37.29	27.58
GROUP 3A.....	\$ 40.58	28.36
Group 3A.....	\$ 40.90	27.58
GROUP 3B.....	\$ 44.75	25.65
Group 3B.....	\$ 45.07	24.87

#### LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Workers (shovelman, plant crew); Brush Cutters; Camp Maintenance Laborer; Carpenter Tenders; Choke Setters, Hook Tender, Rigger, Signalman; Concrete Laborer (curb and gutter, chute handler, grouting, curing, screeding); Crusher Plant Laborer; Demolition Laborer; Ditch Diggers; Dump Man; Environmental Laborer (asbestos (limited to nonmechanical systems), hazardous and toxic waste, oil spill); Fence Installer; Fire Watch Laborer; Flagman; Form Strippers; General Laborer; Guardrail Laborer, Bridge Rail Installers; Hydro-Seeder Nozzleman; Laborers (building); Landscape or Planter; Laying of Decorative Block (retaining walls, flowered decorative block 4 feet and below); Material Handlers; Pneumatic or

Power Tools; Portable or Chemical Toilet Serviceman; Pump Man or Mixer Man; Railroad Track Laborer; Sandblast, Pot Tender; Saw Tenders; Scaffold Building and Erecting; Slurry Work; Stake Hopper; Steam Point or Water Jet Operator; Steam Cleaner Operator; Tank Cleaning; Utiliwalk, Utilidor Laborer and Conduit Installer; Watchman (construction projects); Window Cleaner

GROUP 2: Burning and Cutting Torch; Cement or Lime Dumper or Handler (sack or bulk); Choker Splicer; Chucktender (wagon, airtrack and hydraulic drills); Concrete Laborers (power buggy, concrete saws, pumpcrete nozzle man, vibratorman); Culvert Pipe Laborer; Cured in place Pipelayer; Environmental Laborer (marine work, oil spill skimmer operator, small boat operator); Foam Gun or Foam Machine Operator; Green Cutter (dam work); Gunnite Operator; Hod Carriers; Jackhammer or Pavement Breakers (more than 45 pounds); Laying of Decorative Block (retaining walls, flowered decorative block above 4 feet); Mason Tender and Mud Mixer (sewer work); Pilot Car; Plasterer, Bricklayer and Cement Finisher Tenders; Power Saw Operator; Railroad Switch Layout Laborer; Sandblaster; Sewer Caulkers; Sewer Plant Maintenance Man; Thermal Plastic Applicator; Timber Faller, chain saw operator, filer; Timberman

GROUP 3: Alarm Installer; Bit Grinder; Guardrail Machine Operator; High Rigger and tree topper; High Scaler; Multiplate; Slurry Seal Squeegee Man

GROUP 3A: Asphalt Raker, Asphalt Belly dump lay down; Drill Doctor (in the field); Drillers (including, but not limited to, wagon drills, air track drills; hydraulic drills); Powderman; Pioneer Drilling and Drilling Off Tugger (all type drills); Pipelayers

GROUP 3B: Grade checker (setting or transferring of grade marks, line and grade)

GROUP 4: Final Building Cleanup

TUNNELS, SHAFTS, AND RAISES CLASSIFICATIONS

GROUP 1: Brakeman; Muckers; Nippers; Topman and Bull Gang; Tunnel Track Laborer

GROUP 2: Burning and Cutting Torch; Concrete Laborers; Jackhammers; Nozzleman, Pumpcrete or Shotcrete.

GROUP 3: Miner; Retimberman

GROUP 3A: Asphalt Raker, Asphalt Belly dump lay down; Drill Doctor (in the field); Drillers (including, but not limited to, wagon drills, air track drills; hydraulic drills); Powderman; Pioneer Drilling and Drilling Off Tugger (all type drills); Pipelayers.

GROUP 3B: Grade checker (setting or transferring of grade marks, line and grade)

Tunnel shaft and raise rates only apply to workers regularly employed inside a tunnel portal or shaft collar.

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\* PAIN1959-001 03/01/2021

NORTH OF THE 63RD PARALLEL

Rates

Fringes

PAINTER

BRUSH/ROLLER PAINT OR WALL COVERER.....	\$ 34.19	24.16
TAPING, TEXTURING, STRUCTURAL PAINTING, SANDBLASTING, POT TENDER, FINISH METAL, SPRAY, BUFFER OPERATOR, RADON MITIGATION, LEAD BASED PAINT ABATEMENT, HAZARDOUS MATERIAL HANDLER.....	\$ 34.19	24.16

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\* PAIN1959-002 03/01/2021

SOUTH OF THE 63RD PARALLEL

	Rates	Fringes
PAINTER		
General Painter.....	\$ 31.33	24.94
Industrial Painter.....	\$ 32.68	24.94
Taper / Paper & Vinyl Hanger.....	\$ 32.58	24.94

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PAIN1959-003 07/01/2019

NORTH OF THE 63RD PARALLEL

	Rates	Fringes
GLAZIER.....	\$ 39.40	24.87

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PAIN1959-004 07/01/2019

	Rates	Fringes
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FLOOR LAYER: Carpet.....\$ 28.75 14.44

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PAIN1959-006 07/01/2019

SOUTH OF THE 63RD PARALLEL

Rates Fringes

GLAZIER.....\$ 39.61 23.94

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PLAS0867-001 04/01/2019

Rates Fringes

PLASTERER

North of the 63rd parallel..\$ 38.13 21.68

South of the 63rd parallel..\$ 37.88 21.68

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PLAS0867-004 04/01/2019

Rates Fringes

CEMENT MASON/CONCRETE FINISHER

North of the 63rd parallel..\$ 38.13 21.68

South of the 63rd parallel..\$ 37.88 21.68

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PLUM0262-002 07/01/2020

East of the 141st Meridian

Rates Fringes

Plumber; Steamfitter.....\$ 38.82 27.62

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PLUM0367-002 07/01/2020

South of the 63rd Parallel

	Rates	Fringes
Plumber; Steamfitter.....	\$ 41.00	27.70

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PLUM0375-002 07/01/2019

North of the 63rd Parallel

	Rates	Fringes
Plumber; Steamfitter.....	\$ 41.46	28.70

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PLUM0669-002 04/01/2019

	Rates	Fringes
SPRINKLER FITTER.....	\$ 47.25	26.49

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ROOF0189-006 04/01/2021

	Rates	Fringes
ROOFER.....	\$ 44.62	17.63

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SHEE0023-003 07/01/2020

South of the 63rd Parallel

	Rates	Fringes
SHEET METAL WORKER.....	\$ 43.20	27.70

SHEE0023-004 07/01/2020

North of the 63rd Parallel

	Rates	Fringes
SHEET METAL WORKER.....	\$ 48.64	27.38

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\* TEAM0959-003 04/01/2021

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 41.94	26.12
GROUP 1A.....	\$ 43.21	26.12
GROUP 2.....	\$ 40.68	26.12
GROUP 3.....	\$ 39.86	26.12
GROUP 4.....	\$ 39.28	26.12
GROUP 5.....	\$ 38.52	26.12

GROUP 1: Semi with Double Box Mixer; Dump Trucks (including rockbuggy and trucks with pups) over 40 yards up to and including 60 yards; Deltas, Commanders, Rollogans and similar equipment when pulling sleds, trailers or similar equipment; Boat Coxswain; Lowboys including attached trailers and jeeps, up to and including 12 axles; Ready-mix over 12 yards up to and including 15 yards); Water Wagon (250 Bbls and above); Tireman, Heavy Duty/Fueler

GROUP 1A: Dump Trucks (including Rockbuggy and Trucks with pups) over 60 yards up to and including 100 yards; Jeeps (driver under load)

GROUP 2: Turn-O-Wagon or DW-10 not self-loading; All Deltas, Commanders, Rollogans, and similar equipment; Mechanics;

Dump Trucks (including Rockbuggy and Trucks with pups) over 20 yards up to and including 40 yards; Lowboys including attached trailers and jeeps up to and including 8 axles; Super vac truck/cacasco truck/heat stress truck; Ready-mix over 7 yards up to and including 12 yards; Partsman; Stringing Truck

GROUP 3: Dump Trucks (including Rockbuggy and Trucks with pups) over 10 yards up to and including 20 yards; batch trucks 8 yards and up; Oil distributor drivers; Oil Distributor Drivers; Trucks/Jeeps (push or pull); Traffic Control Technician

GROUP 4: Buggymobile; Semi or Truck and trailer; Dumpster; Tireman (light duty); Dump Trucks (including Rockbuggy and Truck with pups) up to and including 10 yards; Track Truck Equipment; Grease Truck; Flat Beds, dual rear axle; Hyster Operators (handling bulk aggregate); Lumber Carrier; Water Wagon, semi; Water Truck, dual axle; Gin Pole Truck, Winch Truck, Wrecker, Truck Mounted "A" Frame manufactured rating over 5 tons; Bull Lifts and Fork Lifts with Power Boom and Swing attachments, over 5 tons; Front End Loader with Forks; Bus Operator over 30 passengers; All Terrain Vehicles; Boom Truck/Knuckle Truck over 5 tons; Foam Distributor Truck/dual axle; Hydro-seeders, dual axle; Vacuum Trucks, Truck Vacuum Sweepers; Loadmaster (air and water); Air Cushion or similar type vehicle; Fire Truck/Ambulance Driver; Combination Truck-fuel and grease; Compactor (when pulled by rubber tired equipment); Rigger (air/water/oilfield); Ready Mix, up to and including 7 yards;

GROUP 5: Gravel Spreader Box Operator on Truck; Flat Beds, single rear axle; Boom Truck/Knuckle Truck up to and including 5 tons; Pickups (Pilot Cars and all light duty

vehicles); Water Wagon (Below 250 Bbls); Gin Pole Truck, Winch Truck, Wrecker, Truck Mounted "A" Frame, manufactured rating 5 tons and under; Bull Lifts and Fork Lifts (fork lifts with power broom and swing attachments up to and including 5 tons); Buffer Truck; Tack Truck; Farm type Rubber Tired Tractor (when material handling or pulling wagons on a construction project); Foam Distributor, single axle; Hydro-Seeders, single axle; Team Drivers (horses, mules and similar equipment); Fuel Handler (station/bulk attendant); Batch Truck, up to and including 7 yards; Gear/Supply Truck; Bus Operator, Up to 30 Passengers; Rigger/Swamper

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information

on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1,

2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage

determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:



Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

"General Decision Number: AK20210008 01/01/2021

Superseded General Decision Number: AK20200008

State: Alaska

Construction Type: Highway

Counties: Alaska Statewide.

HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number    Publication Date  
0                    01/01/2021

SUAK2020-001 07/13/2020

Rates            Fringes

CARPENTER

North of 63 Latitude.....\$ 38.34            26.41  
South of N63 Latitude.....\$ 38.34            26.95

CEMENT MASON/CONCRETE FINISHER...\$ 38.38            21.93

ELECTRICIAN

Inside Journeyman Wireman  
(Technician).....\$ 40.94            29.12

IRONWORKER

Fence Barrier Installer.....\$ 35.25            32.28  
Guardrail Installer.....\$ 36.25            32.28  
Guardrail Layout Man.....\$ 35.99            32.28  
Signalman, Stage Rigger,  
Structural, Ornamental,  
and Reinforcing.....\$ 38.75            32.63

LABORER (North of N 63  
Latitude and east of W138  
longitude)

Group 1.....\$ 31.71            28.26  
Group 2.....\$ 32.71            28.26  
Group 3.....\$ 33.61            28.26  
Group 3A.....\$ 36.89            28.26  
Group 3B.....\$ 40.68            25.55

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Workers (shovelman, plant crew); Brush Cutters; Camp Maintenance Laborer; Carpenter Tenders; Choke Setters, Hook Tender, Rigger, Signalman; Concrete Laborer(curb and gutter, chute handler, grouting, curing, screeding); Crusher Plant Laborer; Demolition Laborer; Ditch Diggers; Dump Man; Environmental Laborer (hazardous and toxic waste, oil spill); Fence Installer; Fire Watch Laborer; Flagman; Form Strippers; General Laborer; Guardrail Laborer, Bridge Rail Installers; Hydro-Seeder Nozzleman; Landscape or Planter; Laying of Mortarless Decorative Block (retaining walls, flowered decorative block 4 feet and below); Material Handlers; Pneumatic or Power Tools; Portable or Chemical Toilet Serviceman; Pump Man or Mixer Man; Railroad Track Laborer; Sandblast; Pot Tender; Saw Tenders; Slurry Work; Stake Hopper; Steam Point or Water Jet Operator; Utiliwalk, Utilidor Laborer.

GROUP 2: Burning and Cutting Torch; Cement or Lime Dumper or Handler (sack or bulk); Choker Splicer; Chucktender (wagon, airtrack and hydraulic drills); Concrete Laborers (power buggy, concrete saws, pumpcrete nozzleman, vibratorman); Culvert Pipe Laborer; Cured in place Pipelayer; Environmental Laborer (marine work); Foam Gun or Foam Machine Operator; Gunnite Operator; Hod Carriers; Jackhammer or Pavement Breakers (more than 45 pounds); Laying of Decorative Block (retaining walls, flowered Mortarless decorative block above 4 feet); Laser Instrument Operator; Mason Tender and Mud Mixer (sewer work); Pilot Car; Plasterer, Bricklayer and Cement Finisher Tenders; Power Saw Operator; Railroad Switch Layout Laborer; Sandblaster; Sewer Caulkers; Sewer Plant Maintenance Man; Thermal Plastic Applicator; Timber Faller, Chain Saw Operator, Filer; Timberman

GROUP 3: Bit Grinder; Guardrail Machine Operator; High Rigger and Tree Topper; High Scaler; Multiplate; Slurry Seal Squeegee Man; Camera/Tool/Video Operator, Plastic Welding

GROUP 3A: Asphalt Raker, Asphalt Belly Dump Lay Down; Drill Doctor (in the field); Drillers (including, but not limited to, wagon drills, air track drills; hydraulic drills); Powderman; Pioneer Drilling and Drilling Off Tugger (all type drills); Pipelayers

GROUP 3B: Grade checker

LABORER (South of N 63 Latitude and west of W138 longitude)

Group 1.....	\$ 31.71	28.26
Group 2.....	\$ 32.71	28.26
Group 3.....	\$ 33.61	28.26
Group 3A.....	\$ 36.89	28.26
Group 3B.....	\$ 40.68	25.55

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Workers (shovelman, plant crew); Brush Cutters; Camp Maintenance Laborer; Carpenter Tenders; Choke Setters, Hook Tender, Rigger, Signalman; Concrete Laborer (curb and gutter, chute handler, grouting, curing, screeding); Crusher Plant Laborer; Demolition Laborer; Ditch Diggers; Dump Man; Environmental Laborer (hazardous and toxic waste, oil spill); Fence Installer; Fire Watch Laborer; Flagman; Form Strippers; General Laborer; Guardrail Laborer, Bridge Rail Installers; Hydro-Seeder Nozzleman; Landscape or Planter; Laying of Mortarless Decorative Block (retaining walls, flowered decorative block 4 feet and below); Material Handlers; Pneumatic or Power Tools; Portable or Chemical Toilet Serviceman; Pump Man or Mixer Man; Railroad Track Laborer; Sandblast; Pot Tender; Saw Tenders; Slurry Work; Stake Hopper; Steam Point or Water Jet Operator; Utiliwalk, Utilidor Laborer

GROUP 2: Burning and Cutting Torch; Cement or Lime Dumper or Handler (sack or bulk); Choker Splicer; Chucktender (wagon, airtrack and hydraulic drills); Concrete Laborers (power buggy, concrete saws, pumpcrete nozzleman, vibratorman); Culvert Pipe Laborer; Cured in place Pipelayer; Environmental Laborer (marine work); Foam Gun or Foam Machine Operator; Gunnite Operator; Hod Carriers; Jackhammer or Pavement Breakers (more than 45 pounds); Laying of Decorative Block (retaining walls, flowered Mortarless decorative block above 4 feet); Laser Instrument Operator; Mason Tender and Mud Mixer (sewer work); Pilot Car; Plasterer, Bricklayer and Cement Finisher Tenders; Power Saw Operator; Railroad Switch Layout Laborer; Sandblaster; Sewer Caulkers; Sewer Plant Maintenance Man; Thermal Plastic Applicator; Timber Faller, Chain Saw

Operator, Filer; Timberman

GROUP 3: Bit Grinder; Guardrail Machine Operator; High Rigger and Tree Topper; High Scaler; Multiplate; Slurry Seal Squeegee Man; Camera/Tool/Video operator, Plastic Welding

GROUP 3A: Asphalt Raker, Asphalt Belly dump lay down; Drill Doctor (in the field); Drillers (including, but not limited to, wagon drills, air track drills; hydraulic drills); Powderman; Pioneer Drilling and Drilling Off Tugger (all type drills); Pipelayers

GROUP 3B: Grade checker

LINE CONSTRUCTION

Line Installer.....	\$ 48.78	31.11
Powderman.....	\$ 54.04	33.81
Power Journeyman Line (including Equipment Operator).....	\$ 56.04	33.87
Tree Trimmer.....	\$ 37.30	27.06

PAINTER (Region 1: North of N 63 Latitude)

Brush and Roller.....	\$ 33.11	23.17
Sandblast and Spray.....	\$ 33.63	23.17

PAINTER (South of N 63 Latitude)

Brush, Roll and Spray.....	\$ 30.45	23.82
Sandblast and Structural Steel Painter.....	\$ 31.80	23.82

PILEDRIVERMAN

Piledriver, Sheet Stabber...	\$ 38.34	26.41
Piledriver-Welder.....	\$ 39.34	26.41

PLUMBER/PIPEFITTER (South of N 63 Latitude).....

	\$ 40.00	27.20
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PLUMBER/PIPEFITTER

First Judicial District.....	\$ 38.82	27.62
North of N 63 Latitude.....	\$ 41.46	28.15

POWER EQUIPMENT OPERATOR

Group 1.....	\$ 41.53	24.35
Group 1A.....	\$ 43.29	24.35
Group 2.....	\$ 40.76	24.35
Group 3.....	\$ 40.04	24.35
Group 4.....	\$ 33.83	24.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt Roller; Back Filler; Barrier Machine (Zipper); Beltcrete with power pack and similar conveyors;

Bending Machine; Boat Coxwains; Bulldozers; Cableways, Highlines and Cablecars; Cleaning Machine; Coating Machine; Concrete Hydro Blaster; Cranes-45 tons and under or 150 foot boom and under (including jib and attachments): (a) Hydralifts or Transporters, all track or truck type,(b) Derricks; Crushers; Deck Winches-Double Drum; Ditching or Trenching Machine (16 inch or over); Drilling Machines, core, cable, rotary and exploration; Finishing Machine Operator, Concrete Paving, Laser Screed, Sidewalk, Curb and Gutter Machine; Helicopters; Hover Craft, Flex Craft, Loadmaster, Air Cushion, All Terrain Vehicle, Rollagon, Bargecable, Nodwell Sno Cat; Hydro Ax: Feller Buncher and similar; Loaders: (a) Forklifts with telescopic boom and swing attachment, (b) Overhead and Front End, 2-1/2 yards through 5 yards, (c) Loaders (with forks or pipe clamps), (d) Loaders (elevating belt type, Euclid and similar types); Mechanics, Bodyman; Micro Tunneling Machine; Mixers: Mobile type w/hoist combination; Motor Patrol Grader; Mucking Machines: Mole, Tunnel Drill, Horizontal/Directional Drill Operator, and/or Shield; Operator on Dredges; Piledriver Engineers, L. B. Foster, Puller or similar Paving Breaker; Plant Operator (Asphalt & Concrete), Power Plant, Turbine Operator, 200 k.w. and over (power plants or combination of power units over 300 k.w.); Scrapers-through 40 yards; Service Oiler/Service Engineer; Sidebooms-under 45 tons; Shot Blast Machine; Shovels, Backhoes, Excavators with all attachments, and Gradalls (3 yards and under); Spreaders, Blaw Knox, Cedarapids, Barber Greene, Slurry Machine; Sub-grader (Gurries, Reclaimer and similar types); Tack Tractor; Truck mounted Concrete Pumps, Conveyor, Creter; Water Kote Machine; Unlicensed Off Road Hauler

GROUP 1A: Cranes-over 45 tons or 150 foot (including jib and attachments): (a) Clamshells & Draglines (over 3 yards), (b) Tower cranes; Loaders over 5 yds.; Certified Welder, Mechanic (over 10,000 hours); Motor Patrol Grader, Dozer, Grade Tractor (finish: when finishing to final grade and/or to hubs, or for asphalt); Power Plants: 1000 k.w. and over; Quad; Screed; Shovels, Backhoes, Excavators with all attachments (over 3 yards); Sidebooms over 45 tons; Slip Form Paver C.M.I. and similar types; Scrapers over 40 yards; Camera/Tool/Video Operator (Slipline).

GROUP 2: Boiler-Fireman; Cement Hog and Concrete Pump Operator; Conveyors (except as listed in Group 1); Hoists on Steel Erection, Towermobiles and Air Tuggers; Horizontal/Directional Drill Locator; Grade Technician; Loaders (Elevating Grader and Material Transfer Vehicle); Locomotives, Rod and Geared Engines; Mixers; Screening, Washing Plant; Sideboom (cradling rock drill regardless of size); Skidder; Trenching Machine under 16 inches.

GROUP 3: ""A"" Frame Trucks, Deck Winches; Bombardier (tack or tow rig); Boring Machine; Brooms-power; Bump Cutter; Compressor; Farm tractor; Forklift, Industrial Type; Gin Truck

or Winch Truck with poles when used for hoisting; Grade Checker and Stake Hopper; Hoist, Air Tuggers, Elevators; Loaders: (a) Elevating-Athey, Barber Green and similar types (b) Forklifts or Lumber Carrier (on construction job site) (c) Forklifts with Tower (d) Overhead and Front-end, under 2 1/2 yds.; Locomotives: Dinkey (air, steam, gas and electric) Speeders; Mechanics (light duty); Oil, Blower Distribution; Post Hole Diggers, Mechanical; Pot Fireman (power agitated); Power Plant, Turbine Operator, under 200 k.w.; Pumps, Water; Roller (other than Asphalt); Saws, Concrete; Skid Hustler; Skid Steer (with all attachments); Straightening Machine; Tow Tractor

GROUP 4: Crane Assistant Engineer/Rig Oiler; Drill Tender; Parts & Equipment Coordinator; Spotter; Steam Cleaner; Swamper (on trenching machines or shovel type equipment)

TRUCK DRIVER

Group 1.....	\$ 40.94	25.22
Group 1A.....	\$ 42.21	25.22
Group 2.....	\$ 39.68	25.22
Group 3.....	\$ 38.86	25.22
Group 4.....	\$ 38.28	25.22
Group 5.....	\$ 37.52	25.22

GROUP 1: Semi with Double Box Mixer; Dump Trucks (including rockbuggy and trucks with pups) over 40 yards up to and including 60 yards; Deltas, Commanders, Rollogans and similar equipment when pulling sleds, trailers or similar equipment; Lowboys including attached trailers and jeeps, up to and including 12 axles; Ready-mix over 12 yards up to and including 15 yards); Water Wagon (250 Bbls and above); Tireman, Heavy Duty/Fueler

GROUP 1A: Dump Trucks (including Rockbuggy and Trucks with pups) over 60 yards up to and including 100 yards; Jeeps (driver under load)

GROUP 2: Turn-O-Wagon or DW-10 not self-loading; All Deltas, Commanders, Rollogans, and similar equipment; Mechanics; Dump Trucks (including Rockbuggy and Trucks with pups) over 20 yards up to and including 40 yards; Lowboys including attached trailers and jeeps up to and including 8 axles; Super vac truck/cacasco truck/heat stress truck; Ready-mix over 7 yards up to and including 12 yards; Stringing truck; Partsman

GROUP 3: Dump Trucks (including Rockbuggy and Trucks with pups) over 10 yards up to and including 20 yards; batch trucks 8 yards and up; Oil Distributor Drivers; Trucks/Jeeps (push or pull); Traffic Control Technian; Geaser-Shop; Thermal Plastic Layout Technician

GROUP 4: Buggymobile; Semi or Truck and Trailer; Dumpster; Tireman (light duty); Dump Trucks (including Rockbuggy and Truck with pups) up to and including 10 yards; Track Truck

Equipment; Grease Truck; Flat Beds, Dual Rear Axle; Hyster Operators (handling bulk aggregate); Lumber Carrier; Water Wagon, Semi; Water Truck, Dual Axle; Gin Pole Truck, Winch Truck, Wrecker (truck mounted ""A"" frame manufactured rating 5 tons and under); Bull Lifts and Fork Lifts, Fork Lifts with Power Boom and Swing Attachments (over 5 tons); Front End Loader with Forks; Bus Operator over 30 passengers; All Terrain Vehicles; Boom Truck/Knuckle Truck over 5 tons; Foam Distributor Truck Dual Axle; Hydro Seeders, Dual Axle; Vacuum Trucks, Truck Vacuum Sweepers; Loadmaster (air and water); Air Cushion or similar type vehicle; Fire Truck/Ambulance Driver; Combination Truck-fuel and Grease; Compactor (when pulled by rubber tired equipment); Ready Mix (up to and including 7 yards)

GROUP 5: Gravel Spreader Box Operator on Truck; Flat Beds, Single Rear Axle; Boom Truck/Knuckle Truck up to and including 5 tons; Pickups (pilot cars and all light duty vehicles); Water Truck (Below 250 Bbls); Gin Pole Truck, Winch Truck, Wrecker, Truck Mounted ""A"" Frame manufactured rating 5 tons and under; Bull Lifts and Fork Lifts (fork lifts with power broom and swing attachments up to and including 5 tons); Buffer Truck; Tack Truck; Farm type Rubber Tired Tractor (when material handling or pulling wagons on a construction project); Foam Distributor Truck Single Axle; Hydro-Seeders, Single Axle; Fuel Handler (station/bulk attendant); Batch Truck (up to and including 7 yards); Gear/Supply Truck; Bus Operator, Up to 30 Passengers; Rigger/Swamper

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within



the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

## Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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## WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an

interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====  
END OF GENERAL DECISION

"



# Laborers' and Mechanics' MINIMUM RATES OF PAY

Effective September 1, 2021

Issue 43

PAMPHLET No. 600

Title 36. Public Contracts  
AS 36.05

A yellow CAT excavator is shown in profile, working on a construction site. The excavator is positioned on a large pile of dark, jagged rocks. In the background, there is a large body of water, possibly a lake or a wide river, with a sunset sky in shades of orange, yellow, and purple. The excavator's arm is raised, and its bucket is open. The CAT logo is visible on the side of the excavator's arm and on the side of the cab. The overall scene is a mix of industrial and natural elements.

DEPARTMENT OF LABOR  
AND WORKFORCE DEVELOPMENT  
Wage and Hour

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THE STATE  
of **ALASKA**  
GOVERNOR MIKE DUNLEAVY

## Department of Labor and Workforce Development

Office of the Commissioner

Post Office Box 111149  
Juneau, Alaska 99811  
Main: 907.465.2700  
fax: 907.465-2784

September 1, 2021

### TO ALL CONTRACTING AGENCIES:

At the Alaska Department of Labor and Workforce Development, our goal is putting Alaskans to work. This pamphlet is designed to help contractors awarded public construction contracts understand the most significant laws of the State of Alaska pertaining to prevailing wage.

This pamphlet identifies current prevailing wage rates for public construction contracts (any construction projects awarded for the State of Alaska or its political subdivisions, such as local governments and certain non-profit organizations). Because these rates may change in a subsequent determination, please be sure you are using the appropriate rates. The rates published in this edition become effective September 1, 2021.

The prevailing wage rates contained in this pamphlet are applicable to public construction projects with a final bid date of September 11, 2021, or later. As the law now provides, these rates will remain stable during the life of a contract or for 24 calendar months, whichever is shorter. **The 24-month period begins on the date the prime contract is awarded.** Upon expiration of the initial 24-month period, the latest wage rates issued by the department shall become effective for a subsequent 24-month period or until the original contract is completed, whichever occurs first. This process shall be repeated until the original contract is completed.

The term “original contract” means the signed contract that resulted from the original bid and any amendments, including changes of work scope, additions, extensions, change orders, and other instruments agreed to by the parties that have not been subject to subsequent open bid procedures.

If a higher federal rate is required due to partial federal funding or other federal participation, the higher rate must be paid.

For additional copies of this pamphlet go to: <http://labor.state.ak.us/lss/pamp600.htm>

For questions regarding prevailing wage or employment preference requirements, please contact the nearest Wage and Hour office. These offices are listed on Page x.

Sincerely,

A handwritten signature in black ink that reads "Tamika L. Ledbetter".

Dr. Tamika L. Ledbetter  
Commissioner

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## Wage Rates ..... Pages 1-26

**Note to Readers:** The statutes and administrative regulations listed in this publication were taken from the official codes, as of the effective date of the publication. However, there may be errors or omissions that have not been identified and changes that occurred after the publication was printed. This publication is intended as an informational guide only and is not intended to serve as a precise statement of the statutes and regulations of the State of Alaska. To be certain of current laws and regulations, please refer to the official codes.

## EXCERPTS FROM ALASKA LAW

### **Sec. 36.05.005. Applicability.**

This chapter applies only to a public construction contract that exceeds \$25,000.

### **Sec. 36.05.010. Wage rates on public construction.**

A contractor or subcontractor who performs work on a public construction contract in the state shall pay not less than the current prevailing rate of wages for work of a similar nature in the region in which the work is done. The current prevailing rate of wages is that contained in the latest determination of prevailing rate of wages issued by the Department of Labor and Workforce Development at least 10 days before the final date for submission of bids for the contract. The rate shall remain in effect for the life of the contract or for 24 calendar months, whichever is shorter. At the end of the initial 24-month period, if new wage determinations have been issued by the department, the latest wage determination shall become effective for the next 24-month period or until the contract is completed, whichever occurs first. This process shall be repeated until the contract is completed.

### **Sec. 36.05.040. Filing schedule of employees, wages paid, and other information.**

All contractors or subcontractors who perform work on a public construction contract for the state or for a political subdivision of the state shall, before the Friday of every second week, file with the Department of Labor and Workforce Development a sworn affidavit for the previous reporting period, setting out in detail the number of persons employed, wages paid, job classification of each employee, hours worked each day and week, and other information on a form provided by the Department of Labor and Workforce Development.

### **Sec. 36.05.045. Notice of work and completion; withholding of payment.**

- (a) Before commencing work on a public construction contract, the person entering into the contract with a contracting agency shall designate a primary contractor for purposes of this section. Before work commences, the primary contractor shall file a notice of work with the Department of Labor and Workforce Development. The notice of work must list work to be performed under the public construction contract by each contractor who will perform any portion of work on the contract and the contract price being paid to each contractor. The primary contractor shall pay all filing fees for each contractor performing work on the contract, including a filing fee based on the contract price being paid for work performed by the primary contractor's employees. The filing fee payable shall be the sum of all fees calculated for each contractor. The filing fee shall be one percent of each contractor's contract price. The total filing fee payable by the primary contractor under this subsection may not exceed \$5,000. In this subsection, "contractor" means an employer who is using employees to perform work on the public construction contract under the contract or a subcontract.
- (b) Upon completion of all work on the public construction contract, the primary contractor shall file with the Department of Labor and Workforce Development a notice of completion together with payment of any additional filing fees owed due to increased contract amounts. Within 30 days after the department's receipt of the primary contractor's notice of completion, the department shall inform the contracting agency of the amount, if any, to be withheld from the final payment.
- (c) A contracting agency
  - (1) may release final payment of a public construction contract to the extent that the agency has received verification from the Department of Labor and Workforce Development that
    - (A) the primary contractor has complied with (a) and (b) of this section;
    - (B) the Department of Labor and Workforce Development is not conducting an investigation under this title; and
    - (C) the Department of Labor and Workforce Development has not issued a notice of a violation of this chapter to the primary contractor or any other contractors working on the public construction contract; and

- (2) shall withhold from the final payment an amount sufficient to pay the department's estimate of what may be needed to compensate the employees of any contractors under investigation on this construction contract, and any unpaid filing fees.
- (d) The notice and filing fee required under (a) of this section may be filed after work has begun if
  - (1) The public construction contract is for work undertaken in immediate response to an emergency; and
  - (2) The notice and fees are filed not later than 14 days after the work has begun.
- (e) A false statement made on a notice required by this section is punishable under AS 11.56.210.

**Sec. 36.05.060. Penalty for violation of this chapter.**

A contractor who violates this chapter is guilty of a misdemeanor and upon conviction is punishable by a fine of not less than \$100 nor more than \$1,000, or by imprisonment for not less than 10 days nor more than 90 days, or by both. Each day a violation exists constitutes a separate offense.

**Sec. 36.05.070. Wage rates in specifications and contracts for public works.**

- (a) The advertised specifications for a public construction contract that requires or involves the employment of mechanics, laborers, or field surveyors must contain a provision stating the minimum wages to be paid various classes of laborers, mechanics, or field surveyors and that the rate of wages shall be adjusted to the wage rate under AS 36.05.010.
- (b) Repealed by §17 ch 142 SLA 1972.
- (c) A public construction contract under (a) of this section must contain provisions that
  - (1) the contractor or subcontractors of the contractor shall pay all employees unconditionally and not less than once a week;
  - (2) wages may not be less than those stated in the advertised specifications, regardless of the contractual relationship between the contractor or subcontractors and laborers, mechanics, or field surveyors;
  - (3) the scale of wages to be paid shall be posted by the contractor in a prominent and easily accessible place at the site of the work;
  - (4) the state or a political subdivision shall withhold so much of the accrued payments as is necessary to pay to laborers, mechanics, or field surveyors employed by the contractor or subcontractors the difference between
    - (A) the rates of wages required by the contract to be paid laborers, mechanics, or field surveyors on the work; and
    - (B) the rates of wages in fact received by laborers, mechanics, or field surveyors.

**Sec. 36.05.080. Failure to pay agreed wages.**

Every contract within the scope of AS 36.05.070 shall contain a provision that if it is found that a laborer, mechanic, or field surveyor employed by the contractor or subcontractor has been or is being paid a rate of wages less than the rate of wages required by the contract to be paid, the state or its political subdivision may, by written notice to the contractor, terminate the contractor's right to proceed with the work or the part of the work for which there is a failure to pay the required wages and to prosecute the work to completion by contract or otherwise, and the contractor and the contractor's sureties are liable to the state or its political subdivision for excess costs for completing the work.

**Sec. 36.05.090. Payment of wages from withheld payments and listing contractors who violate contracts.**

- (a) The state disbursing officer in the case of a state public construction contract and the local fiscal officer in the case of a political subdivision public construction contract shall pay directly to laborers, mechanics, or field surveyors from accrued payments withheld under the terms of the contract the wages due laborers, mechanics, or field surveyors under AS 36.05.070.
- (b) The state disbursing officer or the local fiscal officer shall distribute to all departments of the state government and to all political subdivisions of the state a list giving the names of persons who have disregarded their obligations to employees. A person appearing on this list and a firm, corporation, partnership, or association in which the person has an interest may not work as a contractor or

subcontractor on a public construction contract for the state or a political subdivision of the state until three years after the date of publication of the list. If the accrued payments withheld under the contract are insufficient to reimburse all the laborers, mechanics, or field surveyors with respect to whom there has been a failure to pay the wages required under AS 36.05.070, the laborers, mechanics, or field surveyors have the right of action or intervention or both against the contractor and the contractor's sureties conferred by law upon persons furnishing labor or materials, and in the proceedings it is not a defense that the laborers, mechanics, or field surveyors accepted or agreed to accept less than the required rate of wages or voluntarily made refunds.

**Sec. 36.05.900. Definition.**

In this chapter, "contracting agency" means the state or a political subdivision of the state that has entered into a public construction contract with a contractor.

**EXCERPTS FROM ALASKA ADMINISTRATIVE CODE**

\*\*\***Notice:** Regulations relating to board and lodging and per diem went into effect on November 25, 2018. The new regulations are excerpted here\*\*\*

**8 AAC 30.051. Purpose.** The purpose of 8 AAC 30.052 – 8 AAC 30.056 is to ensure that wages paid to laborers, mechanics, and field surveyors do not fall below the prevailing rate of pay.

**8 AAC 30.052. Board and lodging; remote sites.** (a) A contractor on a public construction project located 65 or more road miles from the international airport closest to the project area in either Fairbanks, Juneau, or Anchorage, or that is inaccessible by road in a two-wheel drive vehicle, shall provide adequate board and lodging to each laborer, mechanic, or field surveyor while the person is employed on the project. If commercial lodging facilities are not available, the contractor shall provide temporary lodging facilities. Lodging facilities must comply with all applicable state and federal laws. For a highway project, the location of the project is measured from the midpoint of the project.

(b) A contractor is not required to provide board and lodging:

(1) to a laborer, mechanic, or field surveyor who is a domiciled resident of the project area; or

(2) on a laborer, mechanic, or field surveyor's scheduled days off, when the person can reasonably travel between the project and the person's permanent residence; for the purposes of this paragraph, "scheduled day off" means a day in which a person does not perform work on-site, is not required to remain at or near the job location for the benefit of the contractor, and is informed of the day off at least seven days before the day off.

(c) Upon a contractor's written request, the commissioner may waive the requirements of (a) of this section where:

(1) the project is inaccessible by road in a two-wheel drive vehicle, but the laborer, mechanic, or field surveyor can reasonably travel between the project and the person's permanent residence within one hour; or

(2) a laborer, mechanic, or field surveyor is not a domiciled resident of the project area, but has established permanent residence, with the intent to remain indefinitely, within 65 road miles of the project, or for a highway project, the mid-point of the project.

**8 AAC 30.054. Per diem instead of board and lodging.** (a) A contractor may pay a laborer, mechanic, or field surveyor per diem instead of providing board and lodging, when the following conditions are met:

(1) the department determines that per diem instead of board and lodging is an established practice for the work classification; the department shall publish and periodically revise its determinations in the pamphlet *Laborers' and Mechanics' Minimum Rates of Pay*;

(2) the contractor pays each laborer, mechanic, or field surveyor the appropriate per diem rate as published and periodically revised in the pamphlet *Laborers' and Mechanics' Minimum Rates of Pay*; and

(3) the contractor pays the per diem to each laborer, mechanic, or field surveyor on the same day that wages are paid.

(b) A contractor may not pay per diem instead of board and lodging on a highway project located

- (1) west of Livengood on the Elliot Highway, AK-2;
- (2) on the Dalton Highway, AK-11;
- (3) north of milepost 20 on the Taylor Highway, AK-5;
- (4) east of Chicken on the Top of the World Highway; or
- (5) south of Tetlin Junction to the Alaska-Canada border on the Alaska Highway, AK-2.

**8 AAC 30.056. Alternative arrangement.** Upon a contractor's written request, the commissioner may approve an alternative board and lodging or per diem arrangement, provided

- (1) the arrangement does not reduce the laborer, mechanic, or field surveyor's wages below the prevailing wage rate; and
- (2) the laborer, mechanic, or field surveyor voluntarily enters into and signs the written arrangement; a labor organization representing laborers, mechanics, or field surveyors may enter into the written agreement on their behalf.

**8 AAC 30.900. General definitions** (selected excerpts only):

In this chapter and in AS 36

(22) "domiciled resident" means a person living within 65 road miles of a public construction project, or in the case of a highway project, the mid-point of the project, for at least 12 consecutive months prior to the award of the public construction project;

(23) "employed on the project" means the time period from the date the laborer, mechanic, or field surveyor first reports on-site to the project through the final date the person reports on-site to the project.

## **ADDITIONAL INFORMATION**

### **PER DIEM**

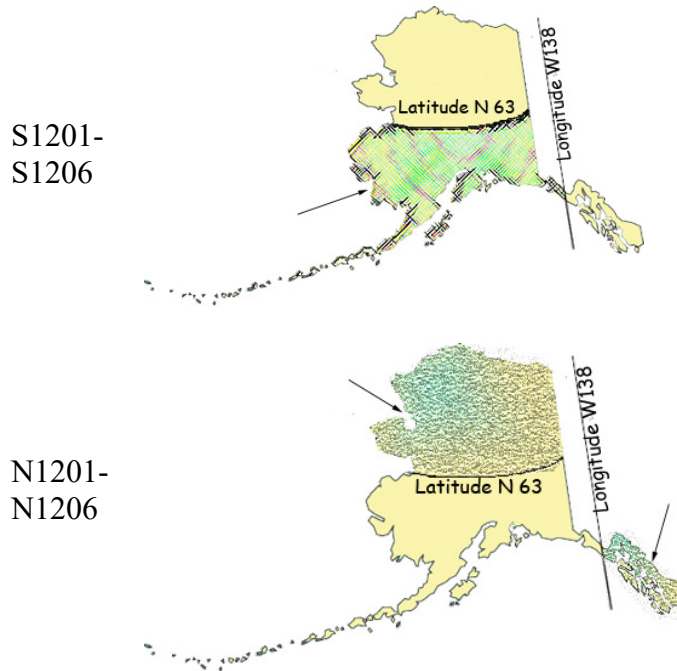
**Notice:** New regulations relating to board and lodging and per diem went into effect on November 25, 2018. The regulations provide a comprehensive set of requirements for the provision of board and lodging or per diem for workers on remote projects. Please refer to Alaska Administrative Code 8 AAC Chapter 30 and read the chapter carefully.

The Alaska Department of Labor and Workforce Development has determined that per diem is an established work practice for certain work classifications. These classifications are indicated throughout the Pamphlet by an asterisk (\*) under the classification title. If all of the conditions of 8 AAC 30.054 are met, an employer may pay workers in these classifications per diem instead of providing board and lodging on a remote project.

**Per Diem Rate:** As of May 1<sup>st</sup>, 2019, the minimum per diem rate is \$100.00 per day, or part thereof, the worker is employed on the project. In the event that a contractor provides lodging facilities, but no meals, the department will accept a payment of \$48 per day for meals to meet the per diem requirements.

### LABORER CLASSIFICATION CLARIFICATION

The laborer rates categorized in class code S1201-S1206 apply in one area of Alaska; the area that is south of N63 latitude and west of W138 Longitude. The laborer rates categorized in class code N1201-N1206 apply in two areas of Alaska; the Alaska areas north of N63 latitude and east of W138 longitude. The following graphic representations should assist with clarifying the applicable wage rate categories:



### APPRENTICE RATES

Apprentice rates at less than the minimum prevailing rates may be paid to apprentices according to an apprentice program which has been registered and approved by the Commissioner of the Alaska Department of Labor and Workforce Development in writing or according to a bona fide apprenticeship program registered with the U.S. Department of Labor, Office of Apprenticeship Training. **Any employee listed on a payroll at an apprentice wage rate who is not registered as above shall be paid the journeyman prevailing minimum wage in that work classification.** Wage rates are based on prevailing crew makeup practices in Alaska and apply to work performed regardless of either the quality of the work performed by the employee or the titles or classifications which may be assigned to individual employees.

### FRINGE BENEFIT PLANS

Contractors/subcontractors may compensate fringe benefits to their employees in any one of three methods. The fringe benefits may be paid into a union trust fund, into an approved benefit plan, or paid directly on the paycheck as gross wages.

Where fringe benefits are paid into approved plans, funds, or programs including union trust funds, the payments must be contributed at least monthly. If contractors submit their own payroll forms and are paying fringe benefits into approved plans, funds, or programs, the employer's certification must include, in addition to those requirements of 8 AAC 30.020(c), a statement that fringe benefit payments have been or will be paid at least monthly. Contractors who pay fringe benefits to a plan must ensure the plan is one approved by the Internal Revenue Service and that the plan meets the requirements of 8 AAC 30.025 (eff. 3/2/08) in order for payments to be credited toward the prevailing wage obligation.

**SPECIAL PREVAILING WAGE RATE DETERMINATION**

Special prevailing wage rate determinations may be requested for special projects or a special worker classification if the work to be performed does not conform to traditional public construction for which a prevailing wage rate has been established under 8 AAC 30.050(a) of this section. Requests for special wage rate determinations must be in writing and filed with the Commissioner at least 30 days before the award of the contract. An applicant for a special wage rate determination shall have the responsibility to support the necessity for the special rate. An application for a special wage rate determination filed under this section must contain:

- (1) a specification of the contract or project on which the special rates will apply and a description of the work to be performed;
- (2) a brief narrative explaining why special wage rates are necessary;
- (3) the job class or classes involved;
- (4) the special wage rates the applicant is requesting, including survey or other relevant wage data to support the requested rates;
- (5) the approximate number of employees who would be affected; and
- (6) any other information which might be helpful in determining if special wage rates are appropriate.

Requests made pursuant to the above should be addressed to:

Director  
Alaska Department of Labor and Workforce Development  
Labor Standards and Safety Division  
Wage and Hour  
P.O. Box 111149  
Juneau, AK 99811-1149

-or-

Email: [statewide.wagehour@alaska.gov](mailto:statewide.wagehour@alaska.gov)

**EMPLOYMENT PREFERENCE INFORMATION**

In October 2019, the Alaska Attorney General issued a formal opinion stating that the Alaska Statutes 36.10.150 of the State’s 90% Employment Preference law, also known as the Alaska Resident Hire law, violates both the U.S. and Alaska Constitutions. As a result, the state has stopped all enforcement activity.

A copy of the Attorney General opinion is found here:

[http://law.alaska.gov/pdf/opinions/opinions\\_2019/19-005\\_AK-hire.pdf](http://law.alaska.gov/pdf/opinions/opinions_2019/19-005_AK-hire.pdf)

**Alaska Department of Labor and Workforce Development  
Labor Standards and Safety Division  
Wage and Hour  
Web site: <http://labor.state.ak.us/lss/pamp600.htm>**

**Anchorage**

1251 Muldoon Road, Suite 113  
Anchorage, Alaska 99504-2098  
Phone: (907) 269-4900

Email:  
statewide.wagehour@alaska.gov

**Juneau**

PO Box 111149  
Juneau, Alaska 99811  
Phone: (907) 465-4842

Email:  
statewide.wagehour@alaska.gov

**Fairbanks**

Regional State Office Building  
675 7<sup>th</sup> Ave., Station J-1  
Fairbanks, Alaska 99701-4593  
Phone: (907) 451-2886

Email:  
statewide.wagehour@alaska.gov

**LABOR STANDARDS AND SAFETY NOTICE REQUESTS**

If you would like to receive Wage and Hour or Mechanical Inspection **regulation notices** or **publications information**, they are available via electronic mail, by signing up in the GovDelivery System, <https://public.govdelivery.com/accounts/AKDOL/subscriber/new> and selecting topics *LSS – Wage and Hour – Forms and Publications*, *LSS – Mechanical Inspection Regulations*, or *LSS – Wage and Hour Regulations*.

*Publications* are also available online at <http://labor.alaska.gov/lss/home.htm>

**DEBARMENT LIST**

**AS 36.05.090(b)** states that “the state disbursing officer or the local fiscal officer shall distribute to all departments of the state government and to all political subdivisions of the state a list giving the names of persons who have disregarded their obligations to employees.”

A person appearing on the following debarment list and a firm, corporation, partnership, or association in which the person has an interest may not work as a contractor or subcontractor on a public construction contract for the state or a political subdivision of the state for three years from the date of debarment.

Company Name

Debarment Expires

No companies are currently debarred.



# Laborers' & Mechanics' Minimum Rates of Pay

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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## Boilermakers

\*See per diem note on last page

<b>A0101</b>	Boilermaker (journeyman)	47.03	8.57	17.02	1.90	VAC	SAF	78.36
						3.50	0.34	

## Bricklayers & Blocklayers

\*See per diem note on last page

<b>A0201</b>	Blocklayer	42.16	9.00	10.05	0.62	L&M		62.03
						0.20		

Bricklayer  
Marble or Stone Mason  
Refractory Worker (Firebrick, Plastic, Castable, and Gunitite Refractory Applications)  
Terrazzo Worker  
Tile Setter

<b>A0202</b>	Tuck Pointer Caulker	42.16	9.00	10.05	0.62	L&M		62.03
						0.20		

Cleaner (PCC)

<b>A0203</b>	Marble & Tile Finisher	35.99	9.00	10.05	0.62	L&M		55.86
						0.20		

Terrazzo Finisher

<b>A0204</b>	Torginal Applicator	40.10	9.83	8.50	0.55	L&M	0.87	60.00
						0.15		

## Carpenters, Region I (North of 63 latitude)

\*See per diem note on last page

<b>N0301</b>	Carpenter (journeyman)	42.34	10.08	15.23	1.75	L&M	SAF	69.80
						0.20	0.20	

Lather/Drywall/Acoustical

## Carpenters, Region II (South of N63 latitude)

\*See per diem note on last page

<b>S0301</b>	Carpenter (journeyman)	42.34	10.08	15.77	1.75	L&M	SAF	70.34
						0.20	0.20	

Lather/Drywall/Acoustical

## Cement Masons

\*See per diem note on last page

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Cement Masons**  
 \*See per diem note on last page

<b>A0401</b>	Group I, including:	39.38	8.70	11.80	1.43		<b>L&amp;M</b> 0.10	61.41
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- Application of Sealing Compound
- Application of Underlayment
- Building, General
- Cement Finisher
- Cement Mason (journeyman)
- Concrete
- Concrete Paving
- Concrete Polishing
- Concrete Repair
- Curb & Gutter, Sidewalk
- Curing of All Concrete
- General Concrete Pour Tender
- Grouting & Caulking of Tilt-Up Panels
- Grouting of All Plates
- Patching Concrete
- Screed Pin Setter
- Screeder or Rodder
- Spackling/Skim Coating

<b>A0402</b>	Group II, including:	39.38	8.70	11.80	1.43		<b>L&amp;M</b> 0.10	61.41
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- Form Setter

<b>A0403</b>	Group III, including:	39.38	8.70	11.80	1.43		<b>L&amp;M</b> 0.10	61.41
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- Concrete Saw Cutter Operator (All Control Joints and Self-powered)
- Curb & Gutter Machine
- Floor Grinder
- Pneumatic Power Tools
- Power Chipping & Bushing
- Sand Blasting Architectural Finish
- Screed & Rodding Machine Operator
- Troweling Machine Operator (all concrete surfaces)

<b>A0404</b>	Group IV, including:	39.38	8.70	11.80	1.43		<b>L&amp;M</b> 0.10	61.41
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- Acoustical or Imitation Acoustical Finish
- Application of All Composition Mastic
- Application of All Epoxy Material
- Application of All Plastic Material
- Finish Colored Concrete
- Gunite Nozzleman
- Hand Powered Grinder

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Cement Masons**  
\*See per diem note on last page

<b>A0404</b>	Group IV, including:	39.38	8.70	11.80	1.43		<b>L&amp;M</b> 0.10	61.41
	Preparing, scratching and browsing of all ceilings and walls, finished with terrazo or tile							
	Tunnel Worker							

<b>A0405</b>	Group V, including:	39.38	8.70	11.80	1.43		<b>L&amp;M</b> 0.10	61.41
	Casting and finishing							
	EIFS Systems							
	Finishing of all interior and exterior plastering							
	Fireproofing (Pryocrete, Cafco, Albi-Clad, sprayed fiberglass)							
	Gypsum, Portland Cement							
	Kindred material and products							
	Operation and control of all types of plastering machines, including power tools and floats, used by the industry							
	Overcoating and maintenance of interior/exterior plaster surfaces							
	Plasterer							
	Veneer plastering process (Rapid Plaster, U.S.G. "Imperial Systems", and Pabcoat Systems")							
	Venetian plaster and color-integrated Italian/Middle-Eastern line plaster							

**Culinary Workers**

<b>A0501</b>	Baker/Cook	28.37	7.31	7.56			<b>LEG</b>	43.24
<b>A0503</b>	General Helper	25.07	7.31	7.56			<b>LEG</b>	39.94
	Housekeeper							
	Janitor							
	Kitchen Helper							
<b>A0504</b>	Head Cook	28.97	7.31	7.56			<b>LEG</b>	43.84
<b>A0505</b>	Head Housekeeper	25.45	7.31	7.56			<b>LEG</b>	40.32
	Head Kitchen Help							

**Dredgemen**  
\*See per diem note on last page

<b>A0601</b>	Assistant Engineer	41.76	10.70	13.50	1.00		<b>L&amp;M</b> 0.10 0.05	67.11
	Craneman							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Dredgemen**  
\*See per diem note on last page

<b>A0601</b>	Assistant Engineer	41.76	10.70	13.50	1.00	<b>L&amp;M</b>		67.11
	Electrical Generator Operator (primary pump/power barge/dredge)					0.10	0.05	
	Engineer							
	Welder							
<b>A0602</b>	Assistant Mate (deckhand)	40.60	10.70	13.50	1.00	<b>L&amp;M</b>		65.95
						0.10	0.05	
<b>A0603</b>	Fireman	41.04	10.70	13.50	1.00	<b>L&amp;M</b>		66.39
						0.10	0.05	
<b>A0605</b>	Leverman Clamshell	44.29	10.70	13.50	1.00	<b>L&amp;M</b>		69.64
						0.10	0.05	
<b>A0606</b>	Leverman Hydraulic	42.53	10.70	13.50	1.00	<b>L&amp;M</b>		67.88
						0.10	0.05	
<b>A0607</b>	Mate & Boatman	41.76	10.70	13.50	1.00	<b>L&amp;M</b>		67.11
						0.10	0.05	
<b>A0608</b>	Oiler (dredge)	41.04	10.70	13.50	1.00	<b>L&amp;M</b>		66.39
						0.10	0.05	

**Electricians**  
\*See per diem note on last page

<b>A0701</b>	Inside Cable Splicer	42.02	14.05	13.90	0.95	<b>L&amp;M</b>		<b>LEG</b>	71.27
						0.20	0.15		
<b>A0702</b>	Inside Journeyman Wireman, including:	41.69	14.05	14.14	0.95	<b>L&amp;M</b>		<b>LEG</b>	71.18
	Technicians (including use of drones in electrical construction)					0.20	0.15		
<b>A0703</b>	Power Cable Splicer	60.79	14.05	19.01	0.95	<b>L&amp;M</b>		<b>LEG</b>	95.20
						0.25	0.15		
<b>A0704</b>	Tele Com Cable Splicer	50.53	14.05	16.67	0.95	<b>L&amp;M</b>		<b>LEG</b>	82.55
						0.20	0.15		
<b>A0705</b>	Power Journeyman Lineman, including:	59.04	14.05	18.96	0.95	<b>L&amp;M</b>		<b>LEG</b>	93.40
	Power Equipment Operator					0.25	0.15		
	Technician (including use of drones in electrical construction)								
<b>A0706</b>	Tele Com Journeyman Lineman, including:	48.78	14.05	16.61	0.95	<b>L&amp;M</b>		<b>LEG</b>	80.74
	Technician (including use of drones in telecommunications construction)					0.20	0.15		
	Tele Com Equipment Operator								

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Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Electricians**  
\*See per diem note on last page

<b>A0707</b>	Straight Line Installer - Repairman	48.78	14.05	16.61	0.95	<b>L&amp;M</b>	<b>LEG</b>	80.74
<b>A0708</b>	Powderman	57.04	14.05	18.90	0.95	<b>L&amp;M</b>	<b>LEG</b>	91.34
<b>A0710</b>	Material Handler	26.57	13.76	5.30	0.15	<b>L&amp;M</b>	<b>LEG</b>	46.08
<b>A0712</b>	Tree Trimmer Groundman	28.37	14.05	12.59	0.15	<b>L&amp;M</b>	<b>LEG</b>	55.46
<b>A0713</b>	Journeyman Tree Trimmer	37.30	14.05	12.86	0.15	<b>L&amp;M</b>	<b>LEG</b>	64.66
<b>A0714</b>	Vegetation Control Sprayer	40.85	14.05	12.97	0.15	<b>L&amp;M</b>	<b>LEG</b>	68.32
<b>A0715</b>	Inside Journeyman Communications CO/PBX	40.27	14.05	13.85	0.95	<b>L&amp;M</b>	<b>LEG</b>	69.47

**Elevator Workers**  
\*See per diem note on last page

<b>A0802</b>	Elevator Constructor	42.76	15.88	19.31	0.64	<b>L&amp;M</b>	<b>VAC</b>	83.87
<b>A0803</b>	Elevator Constructor Mechanic	61.08	15.88	19.31	0.64	<b>L&amp;M</b>	<b>VAC</b>	104.23

**Heat & Frost Insulators/Asbestos Workers**  
\*See per diem note on last page

<b>A0902</b>	Asbestos Abatement-Mechanical Systems	38.68	9.24	11.12	1.20	<b>IAF</b>	<b>LML</b>	60.43
<b>A0903</b>	Asbestos Abatement/General Demolition All Systems	38.68	9.24	11.12	1.20	<b>IAF</b>	<b>LML</b>	60.43
<b>A0904</b>	Insulator, Group II	38.68	9.24	11.12	1.20	<b>IAF</b>	<b>LML</b>	60.43
<b>A0905</b>	Fire Stop	38.68	9.24	11.12	1.20	<b>IAF</b>	<b>LML</b>	60.43

**Ironworkers**  
\*See per diem note on last page

<b>A1101</b>	Ironworkers, including:	40.82	9.51	24.28	0.76	<b>L&amp;M</b>	<b>IAF</b>	75.81
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**IronWorkers**

\*See per diem note on last page

						L&M	IAF	
<b>A1101</b>	Ironworkers, including:	40.82	9.51	24.28	0.76	0.20	0.24	75.81
	Bender Operators							
	Bridge & Structural							
	Hangar Doors							
	Hollow Metal Doors							
	Industrial Doors							
	Machinery Mover							
	Ornamental							
	Reinforcing							
	Rigger							
	Sheeter							
	Signalman							
	Stage Rigger							
	Toxic Haz-Mat Work							
	Welder							

						L&M	IAF	
<b>A1102</b>	Helicopter	41.82	9.51	24.28	0.76	0.20	0.24	76.81
	Helicopter (used for rigging and setting)							
	Tower (energy producing windmill type towers to include nacelle and blades)							

						L&M	IAF	
<b>A1103</b>	Fence/Barrier Installer	37.32	9.51	24.28	0.76	0.20	0.24	72.31

						L&M	IAF	
<b>A1104</b>	Guard Rail Layout Man	38.06	9.51	24.28	0.76	0.20	0.24	73.05

						L&M	IAF	
<b>A1105</b>	Guard Rail Installer	38.32	9.51	24.28	0.76	0.20	0.24	73.31

**Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)**

\*See per diem note on last page

						L&M	LEG	
<b>N1201</b>	Group I, including:	32.00	8.95	20.66	1.30	0.20	0.20	63.31
	Asphalt Worker (shovelman, plant crew)							
	Brush Cutter							
	Camp Maintenance Laborer							
	Carpenter Tender or Helper							
	Choke Setter, Hook Tender, Rigger, Signalman							
	Concrete Labor (curb & gutter, chute handler, curing, grouting, screeding)							
	Crusher Plant Laborer							
	Demolition Laborer							
	Ditch Digger							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)**

\*See per diem note on last page

						<b>L&amp;M</b>	<b>LEG</b>	
<b>N1201</b>	Group I, including:	32.00	8.95	20.66	1.30	0.20	0.20	63.31

- Dumpman
- Environmental Laborer (hazard/toxic waste, oil spill)
- Fence Installer
- Fire Watch Laborer
- Flagman
- Form Stripper
- General Laborer
- Guardrail Laborer, Bridge Rail Installer
- Hydro-seeder Nozzleman
- Laborer, Building
- Landscape or Planter
- Laying of Mortarless Decorative Block (retaining walls, flowered decorative block 4 feet or less - highway or landscape work)
- Material Handler
- Pneumatic or Power Tools
- Portable or Chemical Toilet Serviceman
- Pump Man or Mixer Man
- Railroad Track Laborer
- Sandblast, Pot Tender
- Saw Tender
- Slurry Work
- Steam Cleaner Operator
- Steam Point or Water Jet Operator
- Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)
- Tank Cleaning
- Utiliwalk & Utilidor Laborer
- Watchman (construction projects)
- Window Cleaner

						<b>L&amp;M</b>	<b>LEG</b>	
<b>N1202</b>	Group II, including:	33.00	8.95	20.66	1.30	0.20	0.20	64.31

- Burning & Cutting Torch
- Cement or Lime Dumper or Handler (sack or bulk)
- Certified Erosion Sediment Control Lead (CESCL Laborer)
- Choker Splicer
- Chucktender (wagon, air-track & hydraulic drills)
- Concrete Laborer (power buggy, concrete saws, pumpercrete nozzleman, vibratorman)
- Culvert Pipe Laborer
- Cured Inplace Pipelayer
- Environmental Laborer (asbestos, marine work)

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)**

\*See per diem note on last page

						<b>L&amp;M</b>	<b>LEG</b>	
<b>N1202</b>	Group II, including:	33.00	8.95	20.66	1.30	0.20	0.20	64.31

- Floor Preparation, Core Drilling
- Foam Gun or Foam Machine Operator
- Green Cutter (dam work)
- Gunite Operator
- Hod Carrier
- Jackhammer/Chipping Gun or Pavement Breaker
- Laser Instrument Operator
- Laying of Mortarless Decorative Block (retaining walls, flowered decorative block over 4 feet - highway or landscape work)
- Mason Tender & Mud Mixer (sewer work)
- Pilot Car
- Pipelayer Helper
- Plasterer, Bricklayer & Cement Finisher Tender
- Powderman Helper
- Power Saw Operator
- Railroad Switch Layout Laborer
- Sandblaster
- Scaffold Building & Erecting
- Sewer Caulker
- Sewer Plant Maintenance Man
- Thermal Plastic Applicator
- Timber Faller, Chainsaw Operator, Filer
- Timberman

						<b>L&amp;M</b>	<b>LEG</b>	
<b>N1203</b>	Group III, including:	33.90	8.95	20.66	1.30	0.20	0.20	65.21

- Bit Grinder
- Camera/Tool/Video Operator
- Guardrail Machine Operator
- High Rigger & Tree Topper
- High Scaler
- Multiplate
- Plastic Welding
- Slurry Seal Squeegee Man
- Traffic Control Supervisor
- Welding Certified (in connection with laborer's work)

						<b>L&amp;M</b>	<b>LEG</b>	
<b>N1204</b>	Group IIIA	37.18	8.95	20.66	1.30	0.20	0.20	68.49

- Asphalt Raker, Asphalt Belly Dump Lay Down
- Drill Doctor (in the field)

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**Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)**

\*See per diem note on last page

						L&M	LEG	
<b>N1204</b>	Group IIIA	37.18	8.95	20.66	1.30	0.20	0.20	68.49

- Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)
- Pioneer Drilling & Drilling Off Tugger (all type drills)
- Pipelayers
- Powderman (Employee Possessor)
- Storm Water Pollution Protection Plan Specialist (SWPPP Specialist)
- Traffic Control Supervisor, DOT Qualified

						L&M	LEG	
<b>N1205</b>	Group IV	21.57	8.95	20.66	1.30	0.20	0.20	52.88

- Final Building Cleanup
- Permanent Yard Worker

						L&M	LEG	
<b>N1206</b>	Group IIIB	40.97	6.24	20.66	1.30	0.20	0.20	69.57

- Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours)
- Federal Powderman (Responsible Person in Charge)
- Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones)
- Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours)
- Stake Hopper

**Laborers (The area that is south of N63 latitude and west of W138 longitude)**

\*See per diem note on last page

						L&M	LEG	
<b>S1201</b>	Group I, including:	32.00	8.95	20.66	1.30	0.20	0.20	63.31

- Asphalt Worker (shovelman, plant crew)
- Brush Cutter
- Camp Maintenance Laborer
- Carpenter Tender or Helper
- Choke Setter, Hook Tender, Rigger, Signalman
- Concrete Labor (curb & gutter, chute handler, curing, grouting, screeding)
- Crusher Plant Laborer
- Demolition Laborer
- Ditch Digger
- Dumpman
- Environmental Laborer (hazard/toxic waste, oil spill)
- Fence Installer
- Fire Watch Laborer
- Flagman
- Form Stripper

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Laborers (The area that is south of N63 latitude and west of W138 longitude)**

\*See per diem note on last page

						<b>L&amp;M</b>	<b>LEG</b>	
<b>S1201</b>	Group I, including:	32.00	8.95	20.66	1.30	0.20	0.20	63.31

- General Laborer
- Guardrail Laborer, Bridge Rail Installer
- Hydro-seeder Nozzleman
- Laborer, Building
- Landscaper or Planter
- Laying of Mortarless Decorative Block (retaining walls, flowered decorative block 4 feet or less - highway or landscape work)
- Material Handler
- Pneumatic or Power Tools
- Portable or Chemical Toilet Serviceman
- Pump Man or Mixer Man
- Railroad Track Laborer
- Sandblast, Pot Tender
- Saw Tender
- Slurry Work
- Steam Cleaner Operator
- Steam Point or Water Jet Operator
- Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)
- Tank Cleaning
- Utiliwalk & Utilidor Laborer
- Watchman (construction projects)
- Window Cleaner

						<b>L&amp;M</b>	<b>LEG</b>	
<b>S1202</b>	Group II, including:	33.00	8.95	20.66	1.30	0.20	0.20	64.31

- Burning & Cutting Torch
- Cement or Lime Dumper or Handler (sack or bulk)
- Certified Erosion Sediment Control Lead (CESCL Laborer)
- Choker Splicer
- Chucktender (wagon, air-track & hydraulic drills)
- Concrete Laborer (power buggy, concrete saws, pumpcrete nozzleman, vibratorman)
- Culvert Pipe Laborer
- Cured Inplace Pipelayer
- Environmental Laborer (asbestos, marine work)
- Floor Preparation, Core Drilling
- Foam Gun or Foam Machine Operator
- Green Cutter (dam work)
- Gunite Operator
- Hod Carrier
- Jackhammer/Chipping Gun or Pavement Breaker

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Laborers (The area that is south of N63 latitude and west of W138 longitude)**  
 \*See per diem note on last page

<b>S1202</b>	Group II, including:	33.00	8.95	20.66	1.30	<b>L&amp;M</b>	<b>LEG</b>	64.31
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- Laser Instrument Operator
- Laying of Mortarless Decorative Block (retaining walls, flowered decorative block over 4 feet - highway or landscape work)
- Mason Tender & Mud Mixer (sewer work)
- Pilot Car
- Pipelayer Helper
- Plasterer, Bricklayer & Cement Finisher Tender
- Powderman Helper
- Power Saw Operator
- Railroad Switch Layout Laborer
- Sandblaster
- Scaffold Building & Erecting
- Sewer Caulker
- Sewer Plant Maintenance Man
- Thermal Plastic Applicator
- Timber Faller, Chainsaw Operator, Filer
- Timberman

<b>S1203</b>	Group III, including:	33.90	8.95	20.66	1.30	<b>L&amp;M</b>	<b>LEG</b>	65.21
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- Bit Grinder
- Camera/Tool/Video Operator
- Guardrail Machine Operator
- High Rigger & Tree Topper
- High Scaler
- Multiplate
- Plastic Welding
- Slurry Seal Squeegee Man
- Traffic Control Supervisor
- Welding Certified (in connection with laborer's work)

<b>S1204</b>	Group IIIA	37.18	8.95	20.66	1.30	<b>L&amp;M</b>	<b>LEG</b>	68.49
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- Asphalt Raker, Asphalt Belly Dump Lay Down
- Drill Doctor (in the field)
- Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)
- Pioneer Drilling & Drilling Off Tugger (all type drills)
- Pipelayers
- Powderman (Employee Possessor)
- Storm Water Pollution Protection Plan Specialist (SWPPP Specialist)
- Traffic Control Supervisor, DOT Qualified

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Laborers (The area that is south of N63 latitude and west of W138 longitude)**

\*See per diem note on last page

<b>S1205</b>	Group IV	21.57	8.95	20.66	1.30	<b>L&amp;M</b>	<b>LEG</b>	52.88
	Final Building Cleanup							
	Permanent Yard Worker							

<b>S1206</b>	Group IIIB	40.97	6.24	20.66	1.30	<b>L&amp;M</b>	<b>LEG</b>	69.57
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours)							
	Federal Powderman (Responsible Person in Charge)							
	Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours)							
	Stake Hopper							

**Millwrights**

\*See per diem note on last page

<b>A1251</b>	Millwright (journeyman)	44.00	10.08	12.28	1.10	<b>L&amp;M</b>		67.91
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<b>A1252</b>	Millwright Welder	45.00	10.08	12.28	1.10	<b>L&amp;M</b>		68.91
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**Painters, Region I (North of N63 latitude)**

\*See per diem note on last page

<b>N1301</b>	Group I, including:	34.05	8.85	14.30	1.08	<b>L&amp;M</b>		58.35
	Brush							
	General Painter							
	Hand Taping							
	Hazardous Material Handler							
	Lead-Based Paint Abatement							
	Roll							

<b>N1302</b>	Group II, including:	34.57	8.85	14.30	1.08	<b>L&amp;M</b>		58.87
	Bridge Painter							
	Epoxy Applicator							
	General Drywall Finisher							
	Hand/Spray Texturing							
	Industrial Coatings Specialist							
	Machine/Automatic Taping							
	Pot Tender							
	Sandblasting							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Painters, Region I (North of N63 latitude)**

\*See per diem note on last page

						L&M	
<b>N1302</b>	Group II, including:	34.57	8.85	14.30	1.08	0.07	58.87
	Specialty Painter						
	Spray						
	Structural Steel Painter						
	Wallpaper/Vinyl Hanger						
<b>N1304</b>	Group IV, including:	39.66	8.85	17.71	1.05	0.05	67.32
	Glazier						
	Storefront/Automatic Door Mechanic						
<b>N1305</b>	Group V, including:	39.86	8.85	5.00	1.10	0.10	54.91
	Carpet Installer						
	Floor Coverer						
	Heat Weld/Cove Base						
	Linoleum/Soft Tile Installer						

**Painters, Region II (South of N63 latitude)**

\*See per diem note on last page

						L&M	
<b>S1301</b>	Group I, including :	31.19	8.85	15.15	1.08	0.07	56.34
	Brush						
	General Painter						
	Hand Taping						
	Hazardous Material Handler						
	Lead-Based Paint Abatement						
	Roll						
	Spray						
<b>S1302</b>	Group II, including :	32.44	8.85	15.15	1.08	0.07	57.59
	General Drywall Finisher						
	Hand/Spray Texturing						
	Machine/Automatic Taping						
	Wallpaper/Vinyl Hanger						
<b>S1303</b>	Group III, including :	32.54	8.85	15.15	1.08	0.07	57.69
	Bridge Painter						
	Epoxy Applicator						
	Industrial Coatings Specialist						
	Pot Tender						
	Sandblasting						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Painters, Region II (South of N63 latitude)**

\*See per diem note on last page

<b>S1303</b>	Group III, including :	32.54	8.85	15.15	1.08		<b>L&amp;M</b> 0.07	57.69
	Specialty Painter							
	Structural Steel Painter							
<b>S1304</b>	Group IV, including:	39.87	8.85	16.75	1.08		<b>L&amp;M</b> 0.07	66.62
	Glazier							
	Storefront/Automatic Door Mechanic							
<b>S1305</b>	Group V, including:	39.86	8.85	5.00	1.10		<b>L&amp;M</b> 0.10	54.91
	Carpet Installer							
	Floor Coverer							
	Heat Weld/Cove Base							
	Linoleum/Soft Tile Installer							

**Piledrivers**

\*See per diem note on last page

<b>A1401</b>	Piledriver	42.34	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	69.80
	Assistant Dive Tender								
	Carpenter/Piledriver								
	Rigger								
	Sheet Stabber								
	Skiff Operator								
<b>A1402</b>	Piledriver-Welder/Toxic Worker	43.34	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	70.80
<b>A1403</b>	Remotely Operated Vehicle Pilot/Technician	46.65	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	74.11
	Single Atmosphere Suit, Bell or Submersible Pilot								
<b>A1404</b>	Diver (working) **See note on last page	86.45	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	113.91
<b>A1405</b>	Diver (standby) **See note on last page	46.65	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	74.11
<b>A1406</b>	Dive Tender **See note on last page	45.65	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	73.11
<b>A1407</b>	Welder (American Welding Society, Certified Welding Inspector)	47.90	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	75.36
<b>A1408</b>	Dive Medic Technician (DMT) **See note on last page	46.65	10.08	15.23	1.75		<b>L&amp;M</b> 0.20	<b>IAF</b> 0.20	74.11

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Plumbers, Region I (North of N63 latitude)**

\*See per diem note on last page

						L&M	S&L	
<b>N1501</b>	Journeyman Pipefitter	42.91	11.75	17.45	1.50	0.65		74.26
	Plumber							
	Welder							

**Plumbers, Region II (South of N63 latitude)**

\*See per diem note on last page

						L&M		
<b>S1501</b>	Journeyman Pipefitter	41.00	11.38	15.27	1.55	0.20		69.40
	Plumber							
	Welder							

**Plumbers, Region IIA (1st Judicial District)**

\*See per diem note on last page

						L&M		
<b>X1501</b>	Journeyman Pipefitter	39.82	13.37	11.75	2.50	0.24		67.68
	Plumber							
	Welder							

**Power Equipment Operators**

\*See per diem note on last page

						L&M		
<b>A1601</b>	Group I, including:	42.53	10.70	13.50	1.00	0.10	0.05	67.88
	Asphalt Roller: Breakdown, Intermediate, and Finish							
	Back Filler							
	Barrier Machine (Zipper)							
	Beltcrete with Power Pack & similar conveyors							
	Bending Machine							
	Boat Coxswain							
	Bulldozer							
	Cableways, Highlines & Cablecars							
	Cleaning Machine							
	Coating Machine							
	Concrete Hydro Blaster							
	Cranes (45 tons & under or 150 feet of boom & under (including jib & attachments))							
	(a) Hydralifts or Transporters, (all track or truck type)							
	(b) Derricks							
	(c) Overhead							
	Crushers							
	Deck Winches, Double Drum							
	Ditching or Trenching Machine (16 inch or over)							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Power Equipment Operators**

\*See per diem note on last page

	<b>L&amp;M</b>						
<b>A1601</b> Group I, including:	42.53	10.70	13.50	1.00	0.10	0.05	67.88
Drag Scraper, Yarder, and similar types							
Drilling Machines, Core, Cable, Rotary and Exploration							
Finishing Machine Operator, Concrete Paving, Laser Screed, Sidewalk, Curb & Gutter Machine							
Grade Checker and/or Line and Grade including Drone							
Helicopters							
Hover Craft, Flex Craft, Loadmaster, Air Cushion, All-Terrain Vehicle, Rollagon, Bargecable, Nodwell, & Snow Cat							
Hydro Ax, Feller Buncher & similar							
Hydro Excavation (Vac-Truck and Similar)							
Loaders (2 1/2 yards through 5 yards, including all attachments):							
(a) Forklifts (with telescopic boom & swing attachment)							
(b) Front End & Overhead, (2-1/2 yards through 5 yards)							
(c) Loaders, (with forks or pipe clamp)							
(d) Loaders, (elevating belt type, Euclid & similar types)							
Material Transfer Vehicle (Elevating Grader, Pickup Machine, and similar types)							
Mechanic, Welder, Bodyman, Electrical, Camp & Maintenance Engineer							
Micro Tunneling Machine							
Mixers: Mobile type with hoist combination							
Motor Patrol Grader							
Mucking Machine: Mole, Tunnel Drill, Horizontal/Directional Drill Operator and/or Shield							
Off-Road Hauler (including Articulating and Haul Trucks)							
Operator on Dredges							
Piledriver Engineer, L.B. Foster, Puller or similar paving breaker							
Plant Operator (Asphalt & Concrete)							
Power Plant, Turbine Operator 200 k.w & over (power plants or combination of power units over 300 k.w.)							
Remote Controlled Equipment							
Scraper (through 40 yards)							
Service Oiler/Service Engineer							
Shot Blast Machine							
Shovels, Backhoes, Excavators with all attachments, and Gradealls (3 yards & under)							
Sideboom (under 45 tons)							
Sub Grader (Gurries & similar types)							
Tack Tractor							
Truck Mounted Concrete Pump, Conveyor/Tele-belt, & Creter							
Wate Kote Machine							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation



**Power Equipment Operators**

\*See per diem note on last page

						<b>L&amp;M</b>			
<b>A1602</b>	Group IA, including:	44.29	10.70	13.50	1.00	0.10	0.05	69.64	

- Camera/Tool/Video Operator (Slipline)
- Certified Welder, Electrical Mechanic, Camp Maintenance Engineer, Mechanic (over 10,000 hours)
- Cranes (over 45 tons or 150 feet including jib & attachments)
  - (a) Clamshells & Draglines (over 3 yards)
  - (b) Tower Cranes
- Licensed Water/Waste Water Treatment Operator
- Loaders (over 5 yards)
- Motor Patrol Grader, Dozer, Grade Tractor (finish: when finishing to final grade and/or to hubs, or for asphalt)
- Power Plants (1000 k.w. & over)
- Profiler, Reclaimer, and Roto-Mill
- Quad
- Scrapers (over 40 yards)
- Screed
- Shovels, Backhoes, Excavators with all attachments (over 3 yards)
- Sidebooms (over 45 tons)
- Slip Form Paver, C.M.I. & similar types
- Topside (Asphalt Paver, Slurry machine, Spreaders, and similar types)

						<b>L&amp;M</b>			
<b>A1603</b>	Group II, including:	41.76	10.70	13.50	1.00	0.10	0.05	67.11	

- Boiler - Fireman
- Cement Hogs & Concrete Pump Operator
- Conveyors (except those listed in Group I)
- Hoists on Steel Erection, Towermobiles & Air Tuggers
- Horizontal/Directional Drill Locator
- Locomotives, Rod & Geared Engines
- Mixers
- Screening, Washing Plant
- Sideboom (cradling rock drill, regardless of size)
- Skidder
- Trenching Machines (under 16 inches)
- Water/Waste Water Treatment Operator

						<b>L&amp;M</b>			
<b>A1604</b>	Group III, including:	41.04	10.70	13.50	1.00	0.10	0.05	66.39	

- "A" Frame Trucks, Deck Winches
- Bombardier (tack or tow rig)
- Boring Machine
- Brooms, Power (sweeper, elevator, vacuum, or similar)
- Bump Cutter

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Power Equipment Operators**

\*See per diem note on last page

						L&M		
<b>A1604</b>	Group III, including:	41.04	10.70	13.50	1.00	0.10	0.05	66.39
	Compressor							
	Farm Tractor							
	Forklift, Industrial Type							
	Gin Truck or Winch Truck (with poles when used for hoisting)							
	Hoists, Air Tuggers, Elevators							
	Loaders:							
	(a) Elevating-Athey, Barber Greene & similar types							
	(b) Forklifts or Lumber Carrier (on construction job sites)							
	(c) Forklifts, (with tower)							
	(d) Overhead & Front End, (under 2-1/2 yards)							
	Locomotives: Dinkey (air, steam, gas & electric) Speeders							
	Mechanics, Light Duty							
	Oil, Blower Distribution							
	Posthole Digger, Mechanical							
	Pot Fireman (power agitated)							
	Power Plant, Turbine Operator, (under 200 k.w.)							
	Pumps, Water							
	Roller (other than Asphalt)							
	Saws, Concrete							
	Skid Hustler							
	Skid Steer (with all attachments)							
	Stake Hopper							
	Straightening Machine							
	Tow Tractor							

						L&M		
<b>A1605</b>	Group IV, including:	34.83	10.70	13.50	1.00	0.10	0.05	60.18
	Crane Assistant Engineer/Rig Oiler							
	Drill Helper							
	Parts & Equipment Coordinator							
	Spotter							
	Steam Cleaner							
	Swamper (on trenching machines or shovel type equipment)							

**Roofers**

\*See per diem note on last page

						L&M		
<b>A1701</b>	Roofer & Waterproofer	44.62	12.75	3.91	0.81	0.10	0.06	62.25
<b>A1702</b>	Roofer Material Handler	31.23	12.75	3.91	0.81	0.10	0.06	48.86

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Sheet Metal Workers, Region I (North of N63 latitude)**

\*See per diem note on last page

						<b>L&amp;M</b>	
<b>N1801</b>	Sheet Metal Journeyman	49.04	11.85	14.61	1.80	0.12	77.42

- Air Balancing and duct cleaning of HVAC systems
- Brazing, soldering or welding of metals
- Demolition of sheet metal HVAC systems
- Fabrication and installation of exterior wall sheathing, siding, metal roofing, flashing, decking and architectural sheet metal work
- Fabrication and installation of heating, ventilation and air conditioning ducts and equipment
- Fabrication and installation of louvers and hoods
- Fabrication and installation of sheet metal lagging
- Fabrication and installation of stainless steel commercial or industrial food service equipment
- Manufacture, fabrication assembly, installation and alteration of all ferrous and nonferrous metal work
- Metal lavatory partitions
- Preparation of drawings taken from architectural and engineering plans required for fabrication and erection of sheet metal work
- Sheet Metal shelving
- Sheet Metal venting, chimneys and breaching
- Skylight installation

**Sheet Metal Workers, Region II (South of N63 latitude)**

\*See per diem note on last page

						<b>L&amp;M</b>	
<b>S1801</b>	Sheet Metal Journeyman	43.75	11.85	14.39	1.68	0.43	72.10

- Air Balancing and duct cleaning of HVAC systems
- Brazing, soldering or welding of metals
- Demolition of sheet metal HVAC systems
- Fabrication and installation of exterior wall sheathing, siding, metal roofing, flashing, decking and architectural sheet metal work
- Fabrication and installation of heating, ventilation and air conditioning ducts and equipment
- Fabrication and installation of louvers and hoods
- Fabrication and installation of sheet metal lagging
- Fabrication and installation of stainless steel commercial or industrial food service equipment
- Manufacture, fabrication assembly, installation and alteration of all ferrous and nonferrous metal work
- Metal lavatory partitions
- Preparation of drawings taken from architectural and engineering plans required for fabrication and erection of sheet metal work
- Sheet Metal shelving
- Sheet Metal venting, chimneys and breaching

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Sheet Metal Workers, Region II (South of N63 latitude)**

\*See per diem note on last page

<b>S1801</b>	Sheet Metal Journeyman	43.75	11.85	14.39	1.68		<b>L&amp;M</b> 0.43	72.10
	Skylight installation							

**Sprinkler Fitters**

\*See per diem note on last page

<b>A1901</b>	Sprinkler Fitter	49.10	10.55	18.05	0.52		<b>L&amp;M</b> 0.25	78.47
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**Surveyors**

\*See per diem note on last page

<b>A2001</b>	Chief of Parties	45.16	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	71.38
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<b>A2002</b>	Party Chief	43.57	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	69.79
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<b>A2003</b>	Line & Grade Technician/Office Technician/GPS, Drones	42.97	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	69.19
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<b>A2004</b>	Associate Party Chief (including Instrument Person & Head Chain Person)/Stake Hop/Grademan	40.85	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	67.07
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<b>A2006</b>	Chain Person (for crews with more than 2 people)	36.51	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	62.73
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**Truck Drivers**

\*See per diem note on last page

<b>A2101</b>	Group I, including:	41.94	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	68.16
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- Air/Sea Traffic Controllers
- Ambulance/Fire Truck Driver (EMT certified)
- Boat Coxswain
- Captains & Pilots (air & water)
- Deltas, Commanders, Rollagons, & similar equipment (when pulling sleds, trailers or similar equipment)
- Dump Trucks (including rockbuggy, side dump, belly dump, & trucks with pups) over 40 yards up to & including 60 yards
- Helicopter Transporter
- Liquid Vac Truck/Super Vac Truck
- Material Coordinator or Purchasing Agent
- Ready-mix (over 12 yards up to & including 15 yards) (over 15 yards to be negotiated)
- Semi with Double Box Mixer

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

Class Code	Classification of Laborers & Mechanics	BHR	H&W	PEN	TRN	Other	Benefits	THR
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**Truck Drivers**  
 \*See per diem note on last page

<b>A2101</b>	Group I, including:	41.94	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	68.16
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Tireman, Heavy Duty/Fueler  
 Water Wagon (250 Bbls and above)

<b>A2102</b>	Group 1A including:	43.21	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	69.43
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Dump Trucks (including rockbuggy, side dump, belly dump & trucks with pups) over 60 yards up to & including 100 yards (over 100 yards to be negotiated)  
 Jeeps (driver under load)  
 Lowboys, including tractor attached trailers & jeeps, up to & including 12 axles (over 12 axles or 150 tons to be negotiated)

<b>A2103</b>	Group II, including:	40.68	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	66.90
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All Deltas, Commanders, Rollagons, & similar equipment  
 Batch Trucks (8 yards & up)  
 Batch Trucks (up to & including 7 yards)  
 Boom Truck/Knuckle Truck (over 5 tons)  
 Cacasco Truck/Heat Stress Truck  
 Construction and Material Safety Technician  
 Dump Trucks (including rockbuggy, side dump, belly dump, & trucks with pups) over 20 yards up to & including 40 yards  
 Gin Pole Truck, Winch Truck, Wrecker (truck mounted "A" frame manufactured rating over 5 tons)  
 Mechanics  
 Oil Distributor Driver  
 Partsman  
 Ready-mix (up to & including 12 yards)  
 Stringing Truck  
 Turn-O-Wagon or DW-10 (not self loading)

<b>A2104</b>	Group III, including:	39.86	11.83	13.14	1.15		<b>L&amp;M</b> 0.10	66.08
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Boom Truck/Knuckle Truck (up to & including 5 tons)  
 Dump Trucks (including rockbuggy, side dump, belly dump, & trucks with pups) over 10 yards up to & including 20 yards  
 Expeditor (electrical & pipefitting materials)  
 Gin Pole Truck, Winch Truck, Wrecker (truck mounted "A" frame manufactured rating 5 tons & under)  
 Greaser - Shop  
 Semi or Truck & Trailer  
 Thermal Plastic Layout Technician  
 Traffic Control Technician  
 Trucks/Jeeps (push or pull)

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Truck Drivers**

\*See per diem note on last page

						<b>L&amp;M</b>	
<b>A2105</b>	Group IV, including:	39.28	11.83	13.14	1.15	0.10	65.50
	Air Cushion or similar type vehicle						
	All Terrain Vehicle						
	Buggymobile						
	Bull Lift & Fork Lift, Fork Lift with Power Boom & Swing Attachment (over 5 tons)						
	Bus Operator (over 30 passengers)						
	Cement Spreader, Dry						
	Combination Truck-Fuel & Grease						
	Compactor (when pulled by rubber tired equipment)						
	Dump Trucks (including rockbuggy, side dump, belly dump, & trucks with pups) up to & including 10 yards						
	Dumpster						
	Expeditor (general)						
	Fire Truck/Ambulance Driver						
	Flat Beds, Dual Rear Axle						
	Foam Distributor Truck Dual Axle						
	Front End Loader with Fork						
	Grease Truck						
	Hydro Seeder, Dual Axle						
	Hyster Operators (handling bulk aggregate)						
	Loadmaster (air & water operations)						
	Lumber Carrier						
	Ready-mix, (up to & including 7 yards)						
	Rigger (air/water/oilfield)						
	Tireman, Light Duty						
	Track Truck Equipment						
	Truck Vacuum Sweeper						
	Warehouseperson						
	Water Truck (Below 250 Bbls)						
	Water Truck (straight)						
	Water Wagon, Semi						

						<b>L&amp;M</b>	
<b>A2106</b>	Group V, including:	38.52	11.83	13.14	1.15	0.10	64.74
	Buffer Truck						
	Bull Lifts & Fork Lifts, Fork Lifts with Power Boom & Swing Attachments (up to & including 5 tons)						
	Bus Operator (up to 30 passengers)						
	Farm Type Rubber Tired Tractor (when material handling or pulling wagons on a construction project)						
	Flat Beds, Single Rear Axle						
	Foam Distributor Truck Single Axle						

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PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate;  
VAC=vacation

**Truck Drivers**  
 \*See per diem note on last page

						L&M	
<b>A2106</b>	Group V, including:	38.52	11.83	13.14	1.15	0.10	64.74
	Fuel Handler (station/bulk attendant)						
	Gear/Supply Truck						
	Gravel Spreader Box Operator on Truck						
	Hydro Seeders, Single axle						
	Pickups (pilot cars & all light-duty vehicles)						
	Rigger/Swamper						
	Tack Truck						
	Team Drivers (horses, mules, & similar equipment)						

**Tunnel Workers, Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)**  
 \*See per diem note on last page

						L&M	LEG
<b>N2201</b>	Group I, including:	35.20	8.95	20.66	1.30	0.20	66.51
	Brakeman						
	Mucker						
	Nipper						
	Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)						
	Topman & Bull Gang						
	Tunnel Track Laborer						

						L&M	LEG
<b>N2202</b>	Group II, including:	36.30	8.95	20.66	1.30	0.20	67.61
	Burning & Cutting Torch						
	Certified Erosion Sediment Control Lead (CESCL Laborer)						
	Concrete Laborer						
	Floor Preparation, Core Drilling						
	Jackhammer/Chipping Gun or Pavement Breaker						
	Laser Instrument Operator						
	Nozzlemen, Pumcrete or Shotcrete						
	Pipelayer Helper						

						L&M	LEG
<b>N2203</b>	Group III, including:	37.29	8.95	20.66	1.30	0.20	68.60
	Miner						
	Retimberman						

						L&M	LEG
<b>N2204</b>	Group IIIA, including:	40.90	8.95	20.66	1.30	0.20	72.21
	Asphalt Raker, Asphalt Belly Dump Lay Down						
	Drill Doctor (in the field)						
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)						

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**Tunnel Workers, Laborers (The Alaska areas north of N63 latitude and east of W138 longitude)**  
 \*See per diem note on last page

						L&M	LEG	
<b>N2204</b>	Group IIIA, including:	40.90	8.95	20.66	1.30	0.20	0.20	72.21
	Pioneer Drilling & Drilling Off Tugger (all type drills)							
	Pipelayer							
	Powderman (Employee Possessor)							
	Storm Water Pollution Protection Plan Specialist (SWPPP Specialist)							
	Traffic Control Supervisor, DOT Qualified							

						L&M	LEG	
<b>N2206</b>	Group IIIB, including:	45.07	6.24	20.66	1.30	0.20	0.20	73.67
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours)							
	Federal Powderman (Responsible Person in Charge)							
	Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours)							
	Stake Hopper							

**Tunnel Workers, Laborers (The area that is south of N63 latitude and west of W138 longitude)**  
 \*See per diem note on last page

						L&M	LEG	
<b>S2201</b>	Group I, including:	35.20	8.95	20.66	1.30	0.20	0.20	66.51
	Brakeman							
	Mucker							
	Nipper							
	Storm Water Pollution Protection Plan Worker (SWPPP Worker - erosion and sediment control Laborer)							
	Topman & Bull Gang							
	Tunnel Track Laborer							

						L&M	LEG	
<b>S2202</b>	Group II, including:	36.30	8.95	20.66	1.30	0.20	0.20	67.61
	Burning & Cutting Torch							
	Certified Erosion Sediment Control Lead (CESCL Laborer)							
	Concrete Laborer							
	Floor Preparation, Core Drilling							
	Jackhammer/Chipping Gun or Pavement Breaker							
	Laser Instrument Operator							
	Nozzlemen, Pumpcrete or Shotcrete							
	Pipelayer Helper							

						L&M	LEG	
<b>S2203</b>	Group III, including:	37.29	8.95	20.66	1.30	0.20	0.20	68.60
	Miner							
	Retimberman							

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation



**Tunnel Workers, Laborers (The area that is south of N63 latitude and west of W138 longitude)**  
 \*See per diem note on last page

						L&M	LEG	
<b>S2204</b>	Group IIIA, including:	40.90	8.95	20.66	1.30	0.20	0.20	72.21
	Asphalt Raker, Asphalt Belly Dump Lay Down							
	Drill Doctor (in the field)							
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)							
	Pipelayer							
	Powderman (Employee Possessor)							
	Storm Water Pollution Protection Plan Specialist (SWPPP Specialist)							
	Traffic Control Supervisor, DOT Qualified							

						L&M	LEG	
<b>S2206</b>	Group IIIB, including:	45.07	6.24	20.66	1.30	0.20	0.20	73.67
	Driller (including, but not limited to wagon drills, air-track drills, hydraulic drills)(over 5,000 hours)							
	Federal Powderman (Responsible Person in Charge)							
	Grade Checking (setting or transferring of grade marks, line and grade, GPS, drones)							
	Pioneer Drilling & Drilling Off Tugger (all type drills)(over 5,000 hours)							
	Stake Hopper							

**Tunnel Workers, Power Equipment Operators**  
 \*See per diem note on last page

						L&M		
<b>A2207</b>	Group I	46.78	10.70	13.50	1.00	0.10	0.05	72.13
<b>A2208</b>	Group IA	48.72	10.70	13.50	1.00	0.10	0.05	74.07
<b>A2209</b>	Group II	45.94	10.70	13.50	1.00	0.10	0.05	71.29
<b>A2210</b>	Group III	45.14	10.70	13.50	1.00	0.10	0.05	70.49
<b>A2211</b>	Group IV	38.31	10.70	13.50	1.00	0.10	0.05	63.66

Wage benefits key: BHR=basic hourly rate; H&W=health and welfare; IAF=industry advancement fund; LEG=legal fund; L&M=labor/management fund; PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate; VAC=vacation

**\* Per diem is an established practice for this classification. This means that per diem is an allowable alternative to board and lodging if all criteria are met. See 8 AAC 30.051-08 AAC 30.056, and the per diem information on page vii of this Pamphlet.**

**\*\* Work in combination of classifications: Employees working in any combination of classifications within the diving crew (working diver, standby diver, and tender) in a shift are paid in the classification with the highest rate for a minimum of 8 hours per shift.**

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PEN=pension fund; SAF=safety; SUI=supplemental unemployment insurance; S&L=SUI & LEG combined; TRN=training; THR=total hourly rate;  
VAC=vacation

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
SOUTHCOAST REGION - DESIGN AND ENGINEERING SERVICES

CHANGE TO INVITATION FOR BIDS - STATE AND FEDERAL WAGE RATES

Effective August 1, 2005, the Southcoast Region of the Department of Transportation and Public Facilities will no longer publish Federal and State Wage Rates in the Specifications for Construction Projects in the Invitation to Bid (ITB). The interested parties will now be responsible for downloading the most current wage rates from the appropriate websites. The websites will be published in the Table of Contents (TOC) and the following notice will appear on page two (2) of the ITB in Notice to Bidders. This notice will also appear in place of those wage rates. In the TOC and the Notice to Bidders on Page 2 of each ITB we will also inform you of the appropriate Federal category to use.

"This project requires the use of either or both Federal and State Wage Rates. The most current version available on the websites must be used, as long as there are at least 10 full days before bids open. In other words, you do **not** have to use a State or Federal Wage Rate that changes the rates if it is **less** than ten (10) full days prior to bid opening and you have applied the last update.

The Wage Rates are downloadable at the following websites:

Federal Wage Rates: [Federal Wage Rates](#) . This project uses AK1 and AK8.

State Wage Rates: [State Wage Rates](#)

State Wage Rates are updated twice a year, usually April 1 and September 1. Federal Wage Rates may be updated every Friday. Once you have accessed your first Federal Wage Rate, you can also sign up for Alert Service by clicking the box at the bottom of the screen. You will be notified whenever changes to the Alaska Wage Rates are updated for bids that are in solicitation during those time periods.

Bidders not using the correct wage rates will still be responsible for paying the correct wage. The applicable State and Federal Wage Rates will be published in hard copy only in the final Conformed Copies.

By signature on the Bid Form, the bidder certifies that the correct and applicable wage rates have been applied.

If you need help with downloading the Wage Rates, please contact Jeff Jenkins, Contracts Officer, at (907) 465-4420 and he will provide assistance with the setup.

## Alaska Standard Plans

The following Alaska Standard Plans apply to this project:

C-04.12	G-00.05	I-20.20	T-06.00
C-05.20	G-05.11S	I-81.00	T-20.04
D-01.02	G-05.11W	L-03.10	T-21.04
D-04.22	G-10.20	L-23.02	
D-20.05	G-14.01	L-25.01	
D-22.01	G-20.12	L-30.11	
	G-29.00	M-13.01	
	G-47.00	M-16.01	
		M-20.15	
		M-23.13	
		S-01.02	
		S-05.02	
		S-20.10	
		S-30.05	
		S-32.02	

They can be downloaded from the following website:

<http://www.dot.state.ak.us/stwddes/dcsprecon/stddwgeng.shtml>

Alaska Standard Plans will be published in hard copy only in the final Conformed Copies.