

Addendum No. 1

Owner: City of Unalaska

Project: **SUMMER BAY ROAD BRIDGE REPLACEMENT**

Date: February 11, 2014

Please acknowledge receipt of this Addendum No. 1 in the appropriate blanks on the bid form.

The following corrections, changes, additions, deletions, revisions, and/or clarifications are hereby made a part of the contract documents for the SUMMER BAY BRIDGE REPLACEMENT, DPW Project No. 14102. In case of conflicts between this Addendum and previously issued documents, this Addendum shall take precedence.

Item 1: PROJECT MANUAL, Technical Specification 05810 Component Steel Bridge;

Part 2 Materials, Item 2.1, add the following:

I. Stringers shall be provided with positive camber to offset the dead load deflection.

Item 2: PROJECT MANUAL, Part 5 APPENDIX;

Add the attached State of Alaska Department of Fish and Game Fish Habitat Permit FH 14-II-0014 to the appendix. Provisions of this permit are incorporated into and become a part of this Contract as described in Technical Specification 01025 1.1A.

Item 3: DESIGN DRAWINGS, Sheet C-3 of 11 EXISTING BRIDGE DEMOLITION PLAN, Demolition Notes, Note 2;

Change “All work conducted in the creek bed below water levels shall be conducted between the dates of May 31st and July 15th in accordance with permit requirements” to “All work conducted in the creek bed below the ordinary high water mark shall be conducted between the dates of May 15th and July 15th in accordance with permit requirements”

Item 4: DESIGN DRAWINGS, Sheet C-4 of 11 ROAD AND BRIDGE PLAN AND PROFILE;

Replace drawing C-4 in its entirety with the attached revised drawing C-4. There were changes to the called out bridge dimension, the extent of the guardrails, the extent of the silt fence, and the limits of fill at the guardrail end sections.

Item 5: DESIGN DRAWINGS, Sheet C-7 of 11 GUARDRAIL DETAILS;

Delete drawing C-7 and replace it with the revised attached drawing C-7.

Item 6: DESIGN DRAWINGS, Sheet C-9 of 11 SIGNAGE DETAILS, Detail 1 Sign Post Foundation and Details;

Change “3” Dia. Schedule 80 Galvanized Steel Pipe Post” to “3” Perforated Steel Tube (PST) on Breakaway Support”.

Change “4” Dia. Schedule 40 Steel Pipe Sleeve” to “PST Stub with End Covered to Keep Sleeve Clear”.

Breakaway supports are required for the signs.

Item 7: DESIGN DRAWINGS, Sheet C-10 of 11 SILT FENCE DETAILS, General Notes:

Add the following sentence to Note 5 “Fence does not need to extend across the creek in areas with flow currents that will prevent effective installation.”

Item 8: DESIGN DRAWINGS, Sheet C-11 of 11 NOTES AND SPECIFICATIONS, General Notes, Materials, Steel Pipe Piles;

Delete last sentence “Spiral weld pipe shall not be used.”

Add the following: “Spiral weld pipe may be used provided it conforms to ASTM A-252, Grade 3, modified to include testing of production weld test specimens in accordance with ASTM A-139, Section 14.2. All welds shall be defect free full penetration. In lieu of acceptable quality assurance pertaining to coil butt splices, coil butt splices shall be removed. Carbon Equivalency shall not exceed 0.45. In addition to the ASTM requirements, the following tolerances are required:

- Out-of-Roundness: The out-of-roundness tolerance shall be within 1% of the nominal outside diameter
- Straightness: The straightness, in units of inches, shall not exceed 0.001 times the length of the pile. The length of the pile shall be measured in inches
- Radial Offset: A maximum radial offset of 1/8 inch shall be permitted. The offset shall be transitioned with a taper weld at the slope not less than 1 times the thickness on 2.5 times the length
- Weld Reinforcement (Bead Height): The weld reinforcement (bead height) shall not be greater than 3/16 inch
- Misalignment of Weld Beads: Misalignment of the weld beads shall not exceed 1/8 inch. This applies only to double-sided welded pipe
- Wall Thickness: The wall thickness shall be as indicated on the Contract Drawings except that up to a 10% greater thickness will be acceptable
- Outside Diameter: The outside diameter shall be as indicated on the Contract Drawings except that a greater diameter will be acceptable. See wall thickness above.”

End of Addendum No. 1

Attachments

Item 2: ADF&G Permit

Item 4: Revised Drawing C-4 ROAD AND BRIDGE PLAN AND PROFILE

Item 5: Revised Drawing C-7 GUARDRAIL DETAILS



THE STATE
of **ALASKA**
GOVERNOR SEAN PARNELL

**Department of
Fish and Game**

DIVISION OF HABITAT
Central Region Office

333 Raspberry Road
Anchorage, Alaska 99518-1565
Main: 907.267.2342
Fax: 907.267.2499

FISH HABITAT PERMIT FH 14-II-0014

ISSUED: January 31, 2014
EXPIRES: December 31, 2015

Thomas Regan
Qaualangin Tribe of Unalaska
PO BOX 334
Unalaska, AK 99685

Dear Mr. Regan:

Re: Bridge Replacement – Summer Bay Creek
Stream No. 302-31-10030
Section 31, T. 72 S., R. 116 W., S.M.

Pursuant to AS 16.05.871(b), the Alaska Department of Fish and Game, Division of Habitat, has reviewed your proposal to replace the existing wooden bridge over Summer Bay Creek with a clear span steel and concrete bridge.

Project Description

The purpose of the proposed project is to replace the existing 20-foot wide by 50-foot long wood bridge supported by 20 creosote treated piles located in the creek bed with a 26-foot wide by 70-foot long clear span steel bridge supported by 3 steel pipe piles at each abutment (see Sheets C-4 and C-5). During demolition operations, all existing bridge components will be removed. Armor rock underlain with geotextile fabric will be placed on the streambanks and at the toe of the slope under the new bridge to protect the bridge abutments from erosion. Summer Bay Creek is posted as closed to fishing. Existing fishing closure signs will be replaced with new signs upon completion of bridge construction.

Anadromous Fish Act

Summer Bay Creek has been specified as being important for the spawning, rearing, or migration of anadromous fishes pursuant to AS 16.05.871(a). Summer Bay Creek is known to support coho, pink, and sockeye salmon.

In accordance with AS 16.05.871(d), project approval is hereby given subject to the project description above and the following stipulations:

1. All activity below the ordinary high water mark shall be conducted from May 15 to July 15.
2. Refueling of equipment and the storage of petroleum products below the ordinary high water mark is prohibited.

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 stipulation 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 the responsibility of the Division of Habitat. Therefore, it is recommended you consult the Division of Habitat immediately when a deviation from the approved plan is being considered.

For the purpose of inspecting 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.

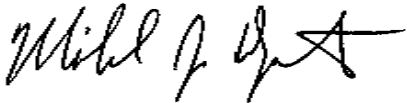
You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330-630.

Any questions or concerns about this permit may be directed to Habitat Biologist Brad Dunker at 267-2541 or emailed to bradley.dunker@alaska.gov.

Sincerely,

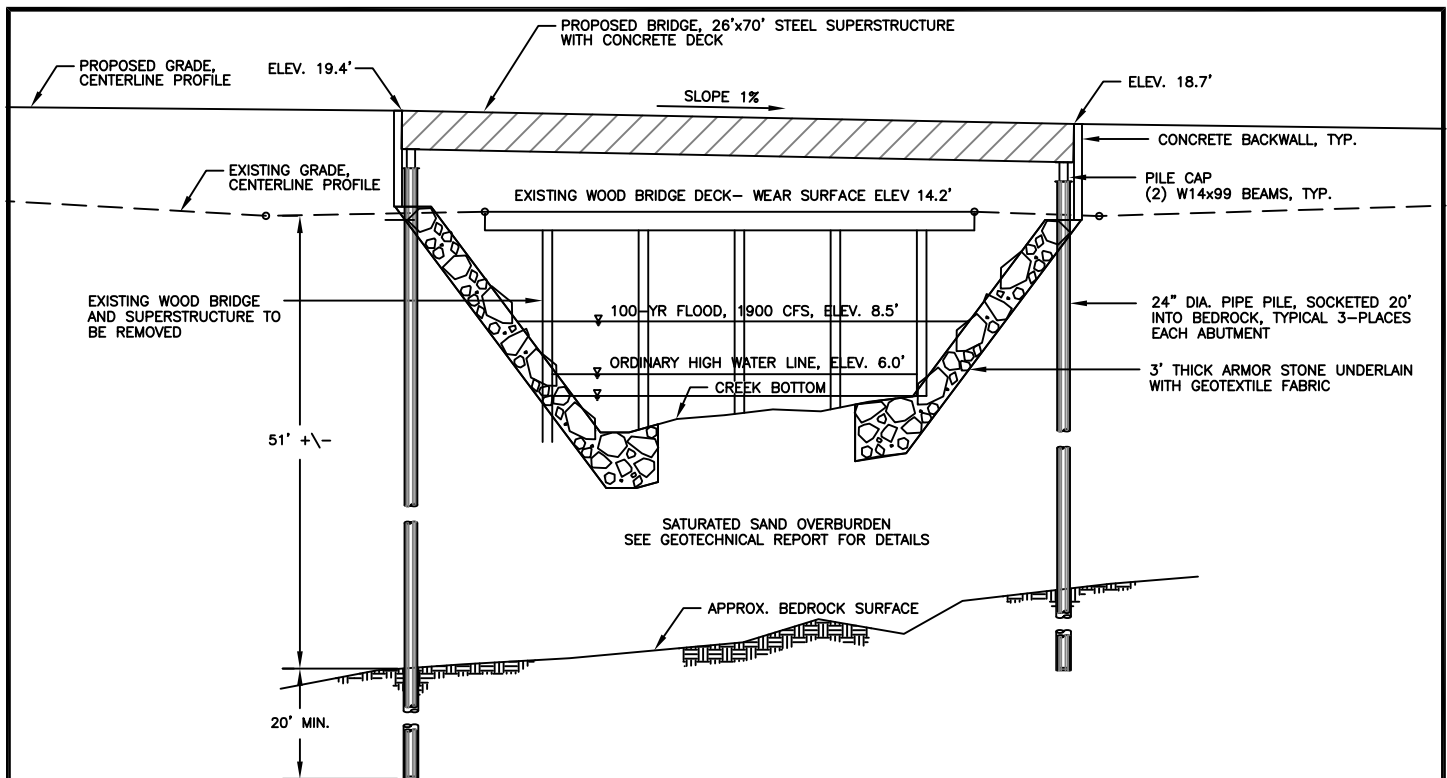
Cora Campbell, Commissioner

A handwritten signature in black ink, appearing to read "Michael J. Daigneault". The signature is stylized with a large, looped initial "M" and a long, sweeping horizontal stroke at the end.

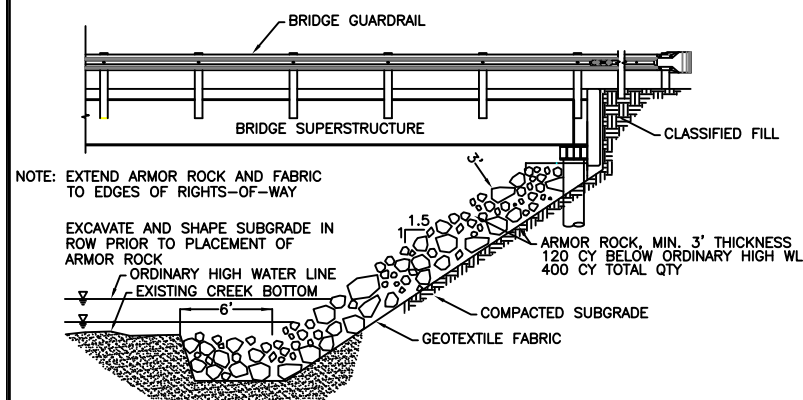
By: Michael J. Daigneault
Regional Supervisor
Central Region Office

enc: Sheet C-4 Bridge plan and profile
Sheet C-5 Bridge section detail

ecc: AWT, Unalaska
A. Ott, ADF&G
D. Tracy, ADF&G
H. Fitch, ADF&G
S. Schrof, ADF&G
S. Ayers, ADF&G
B. Krauss, ADEC
USACE, Regulatory

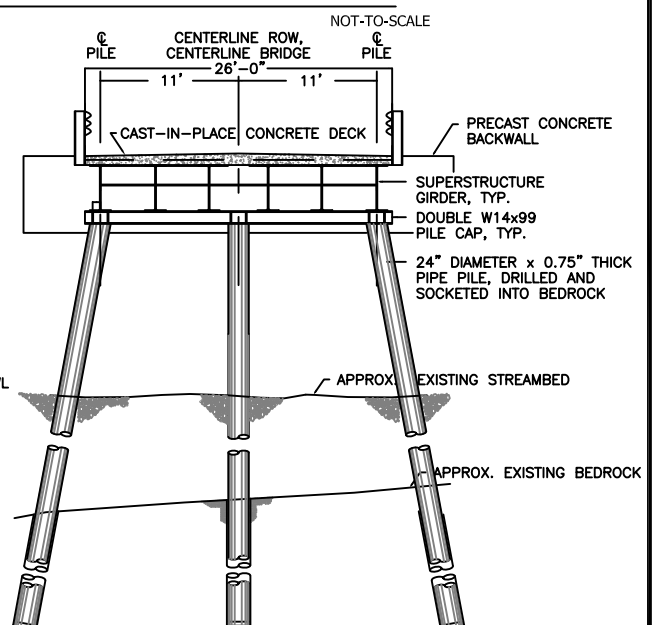


1 BRIDGE ELEVATION



2 BRIDGE SECTION AT ABUTMENT

NOT-TO-SCALE



3 FOUNDATION AND PILE CAP SECTION

NOT-TO-SCALE

PURPOSE: REPLACE AN EXISTING WOOD BRIDGE WITH MULTIPLE SUPPORT PILES WITH A CLEAR SPAN STEEL BRIDGE

ADJACENT PROPERTY OWNERS:
1. OUNALASHKA CORPORATION
2. CITY OF UNALASKA

FILE: SBB PERMIT 01
SCALE: 1=1

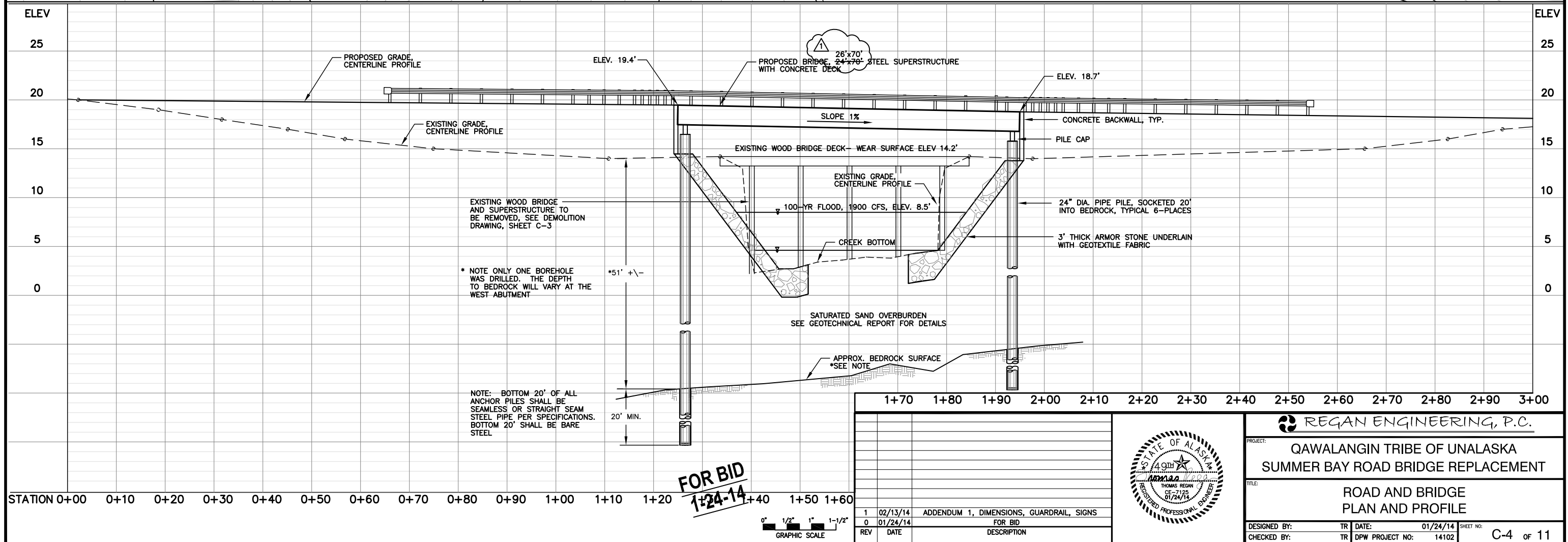
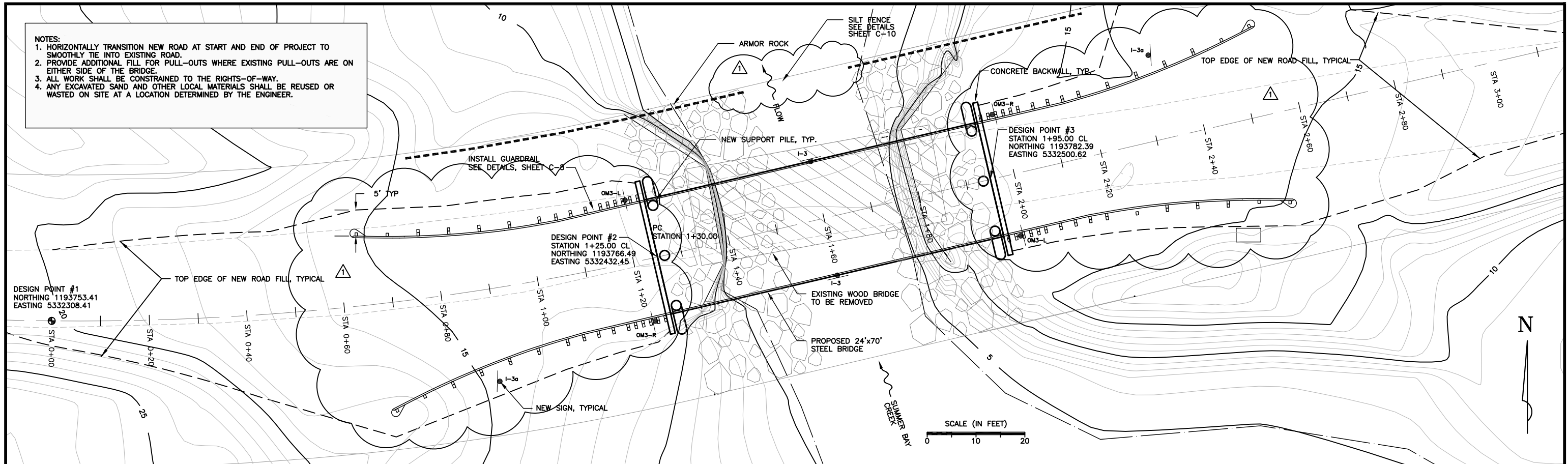
OWNER: QAWALANGIN TRIBE OF UNALASKA
P.O. BOX 334
UNALASKA, ALASKA 99685

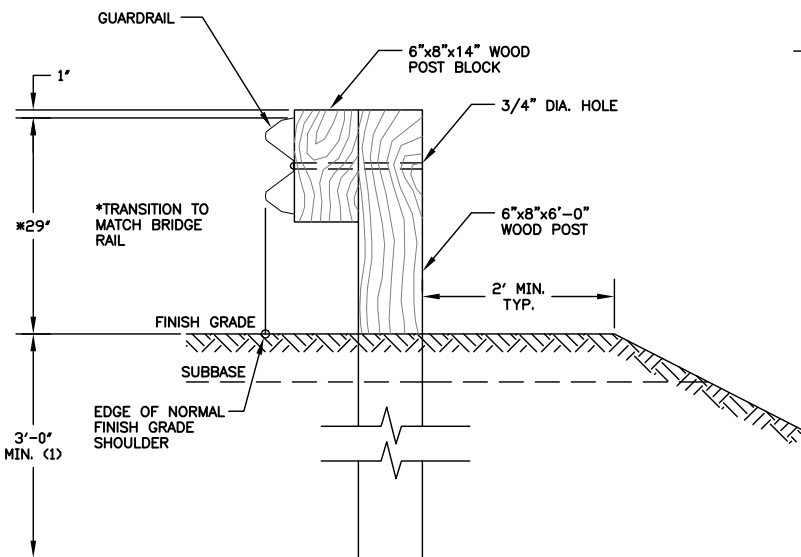
TEL. (907) 581-2920
FAX (907) 581-3644

BRIDGE REPLACEMENT

IN: SUMMER BAY CREEK
AT: SUMMER BAY ROAD, BETWEEN SUMMER LAKE AND SUMMER BAY
CITY OF: UNALASKA
STATE OF: ALASKA

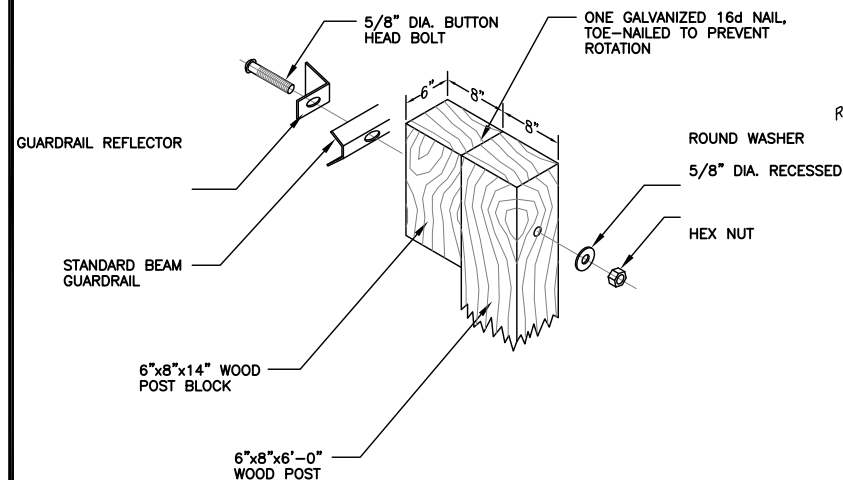
APPLICATION BY: QAWALANGIN TRIBE
SHEET 2 OF 2 DATE: 01/24/14



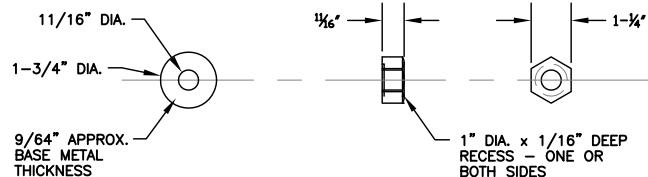


(1) EXCEPT WHERE PREVENTED BY CULVERT.

POST INSTALLATION

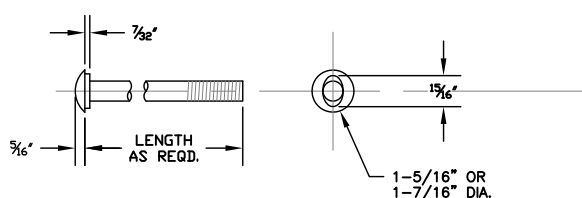


ASSEMBLY DETAIL

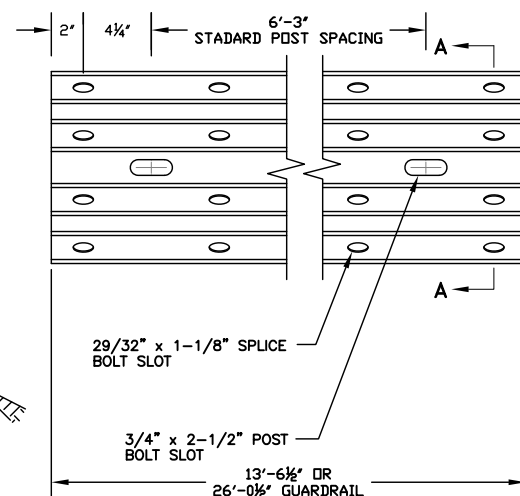


ROUND WASHER

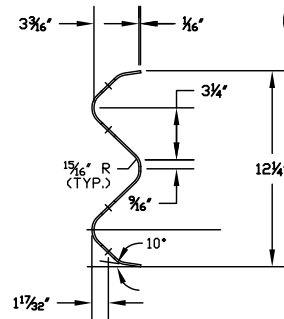
5/8" DIA. RECESSED HEX NUT



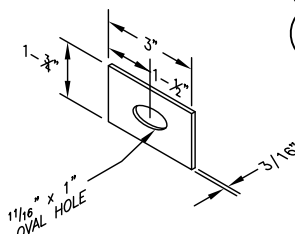
5/8" DIA. BUTTON HEAD BOLT



STANDARD BEAM GUARDRAIL



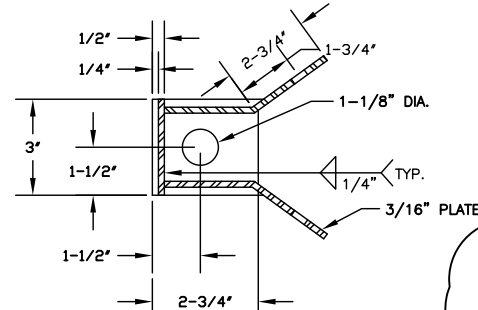
SECTION A-A



RECTANGULAR POST BOLT WASHER

TYPE	GUARDRAIL COLOR	REFLECTORIZED
A	WHITE	FRONT & REAR
B	WHITE	FRONT
C	YELLOW	FRONT
D	YELLOW	FRONT & REAR

GUARDRAIL REFLECTOR

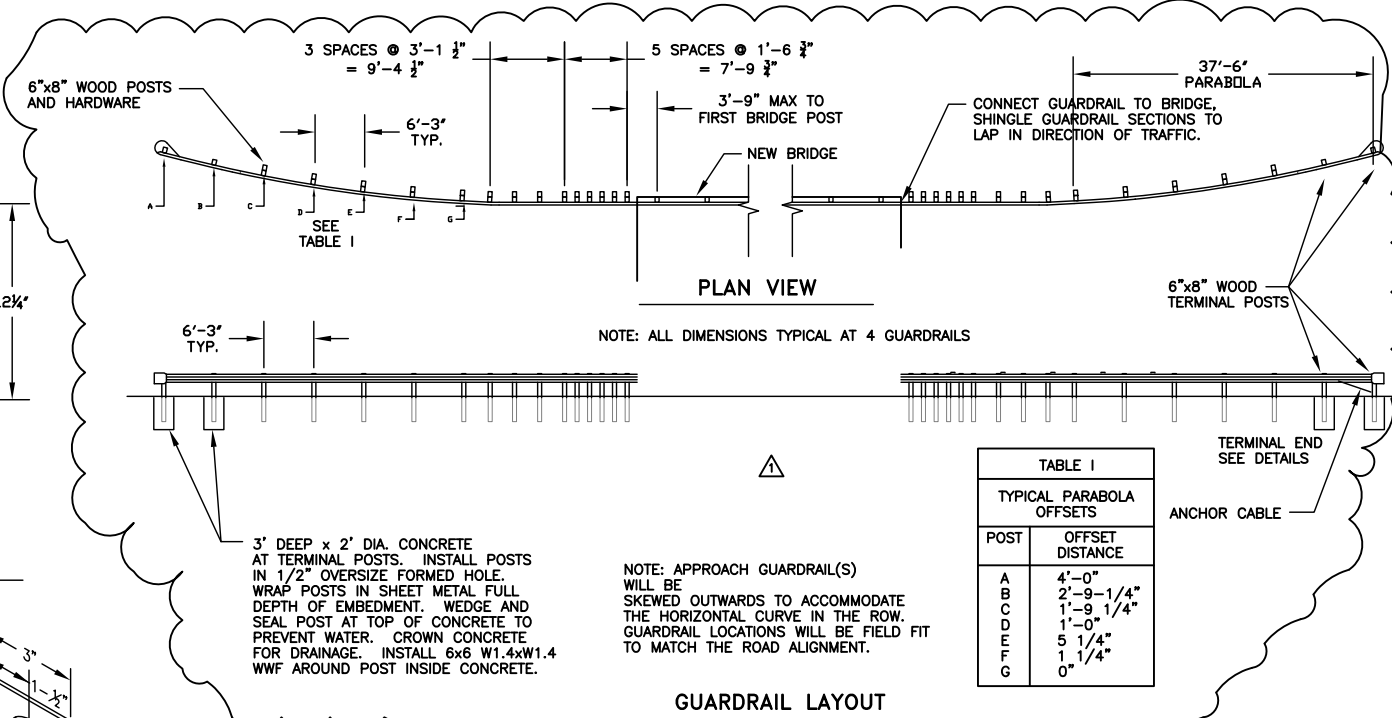


SECTION B-B

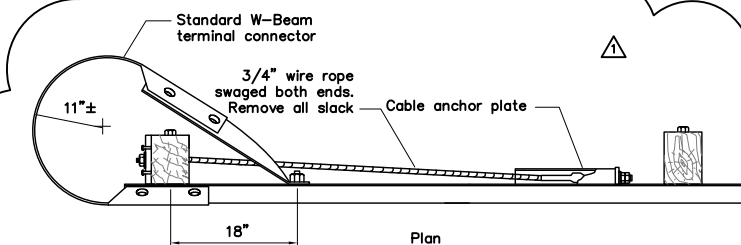
GENERAL NOTES:

- ANCHOR CABLE ASSEMBLY SHALL CONFORM TO AASHTO M-30 WITH TYPE II WIRE ROPE.
- CABLE ANCHOR PLATE MAY BE FORMED IN SINGLE UNIT OR WELDED FABRICATION.
- ALL END POSTS SHALL HAVE TWO GALVANIZED 16d NAILS DRIVEN INTO THE POST AND BENT OVER THE BEARING PLATE TO ENSURE ITS POSITION.
- INSTALL RECTANGULAR POST BOLT WASHERS ON THE FIRST AND LAST TERMINAL POSTS ONLY.
- TYPE A REFLECTOR SHALL BE USED UNLESS SPECIFIED OTHERWISE ON THE PLANS, BEGINNING WITH FIRST GUARDRAIL POST.
- ALL BARRIER HARDWARE AS SHOWN IN ARTBA "A GUIDE TO STANDARDIZED HIGHWAY BARRIER RAIL HARDWARE" IS ACCEPTABLE.
- GUARDRAIL REFLECTORS SHALL BE MOUNTED AS NOTED.
- BCT MUST BE INSTALLED ON LEVEL SURFACE WITH GUARDRAIL SYSTEM FOR OPTIMUM PERFORMANCE.
- SEE STATE OF ALASKA DOT/PF STANDARD DETAIL G-30.00 AND G31.00 & G-12.00 FOR GUARDRAIL TRANSITION AT BRIDGE ENDS.
- STEEL POSTS ARE APPROVED IN LIEU OF THE WOOD POSTS SHOWN AND REQUIRED BY THE ADOT STANDARD DETAILS.

FOR BID
1-24-14

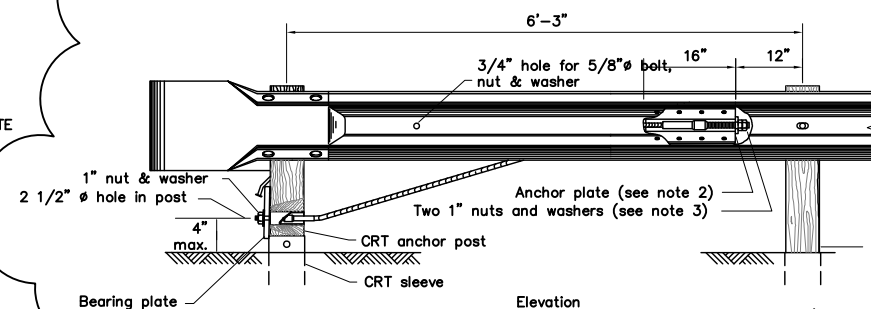


GUARDRAIL LAYOUT



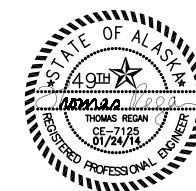
TERMINAL END NOTES:

- Hardware details not shown here shall conform to drawings G-00, G-04W, G-25W
- Fasten anchor plate to rail with eight 5/8" x 1 1/2" machine bolts with hex nut and washer. Place washer on face side of rail.
- Torque outside nut against inside nut a minimum of 100 ft-lbs.
- Toenail bearing plate with two 10d galvanized nails at corners to prevent turning.
- All covered hardware shall comply with the AASHTO/AGC/ARTBA "A Guide to Standardized Highway Barrier Hardware", latest edition.
- This assembly will typically be used on the downstream ends of guardrail runs on one-way streets.
- This assembly is generally not intended for divided highway applications due to possible 2-way construction detours. Designer should consider future detouring needs when deciding whether to use this terminal.
- This design does not meet NCHRP 350 TL 3 standards. It is not intended as a crash worthy barrier end treatment for approach end impacts.



TERMINAL END DETAILS

REV	DATE	DESCRIPTION
1	02/13/14	ADDENDUM 1, DIMENSIONS, GUARDRAIL, SIGNS
0	01/24/14	FOR BID



REGAN ENGINEERING, P.C.

PROJECT: **QAWALANGIN TRIBE OF UNALASKA
SUMMER BAY ROAD BRIDGE REPLACEMENT**

TITLE: **GUARDRAIL DETAILS**

DESIGNED BY: TR DATE: 01/24/14 SHEET NO: C-7 OF 11
CHECKED BY: TR DPW PROJECT NO: 14102