

ADDENDUM NO. 1

Skagit County Public Works

April 07, 2025

**Skagit River Marblemount Bridge #ES40070-5
Federal Aid #BHOS-29CS(001)**

NOTICE TO PROSPECTIVE BIDDERS

NOTICE IS HEREY GIVEN BY SKAGIT COUNTY that the Contract Provision and Plans have been modified and supplemented as follows:

SPECIAL PROVISIONS ARE REVISED AS FOLLOWS:

- **Beginning on page 23 line 1 ending on page 26 line 32, delete section 1-06 and replace with the following:**

1-06 Control of Material

Section 1-06 is supplemented with the following:

Buy America Requirements

(March 20, 2025)

General Requirements

In accordance with Buy America requirements contained in 23 CFR 635.410 and 2 CFR 184, the following materials must be produced in the United States:

1. All Iron or Steel Products used in the project. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
2. All Manufactured Products used in the project. This means the manufactured product was manufactured in the United States.
3. All Construction Materials used in the project. This means that all manufacturing processes for the construction material occurred in the United States.

An article, material, or supply will be classified in one of four categories: 1) Iron or Steel Product, 2) Manufactured Product, 3) Construction Material, or 4) Excluded Material. Only a single category will apply to an item except as follows:

1. With respect to precast concrete products that are classified as Manufactured Products, the components of precast concrete products that consist wholly or predominantly of iron, steel, or combination of both shall meet the requirements for and be tracked as an Iron or Steel Product. The item shall also meet the requirements for a Manufactured Product, and the cost of the iron or steel components shall be included in determining if the Manufactured Product was produced in the United States.
2. With respect to intelligent transportation systems and other electronic hardware systems that are classified as Manufactured Products, the cabinets or other enclosures of such systems that consist wholly or predominantly of iron, steel, or a combination of both,

shall meet the requirements for and be tracked as an Iron or Steel Products. The item shall also meet the requirements for a Manufactured Product and the cost of the iron or steel components shall be included in determining if the manufactured product was produced in the United States.

Some contract items are composed of multiple parts that may fall into different categories. Individual components will be categorized as a Construction Material, a Manufactured Product, an Iron or Steel Product, or an excluded material based on their composition when they arrive at the staging area or work site.

Definitions

1. Construction Material: Defined as any article, material, or supply brought to the construction site for incorporation into the final product. Construction materials include an article, material, or supply that is or consists primarily of:

- a. Non-ferrous metals including all manufacturing processes, from initial smelting or melting through final shaping, coating, and assembly;
- b. Plastic and polymer-based products including all manufacturing processes, from initial combination of constituent plastic or polymer-based inputs, or, where applicable, constituent composite materials, until the item is in its final form);
- c. Glass including all manufacturing processes, from initial batching and melting of raw materials through annealing, cooling, and cutting);
- d. Fiber optic cable (includes drop cable) including all manufacturing processes, from initial ribboning (if applicable), through buffering, fiber stranding and jacketing, (fiber optic cable also includes the standards for glass and optical fiber);
- e. Optical fiber including all manufacturing processes, from the initial preform fabrication stage, though the completion of the draw;
- f. Lumber including all manufacturing processes, from initial debarking through treatment and planing;
- g. Drywall including all manufacturing processes, from initial blending of mined or synthetic gypsum plaster and additives through cutting and drying of sandwiched panels; or
- h. Engineered wood including all manufacturing processes from the initial combination of constituent materials until the wood product is in its final form.

If a Construction Material is not manufactured in the United States it shall be considered a Foreign Construction Material.

2. Excluded Material: A material where Buy America requirements do not apply. This includes the following:

- a. Materials excluded by Section 70917(c) of the Buy America, Build America Act with respect to aggregates this includes cement and cementitious materials, aggregates such as stone, sand, or gravel or aggregate binding agents or additives. These materials shall be classified as excluded materials based on the composition when brought to the work site. It also includes combinations of these excluded materials when mixtures of Excluded Materials are delivered to the work

site without final form for incorporation into the project (i.e. wet concrete and HMA). If they are formed prior to delivery, they are a Manufactured Product and not an Excluded Material.

- b. Temporary materials that are not being permanently incorporated into the project.
 - c. Raw or minimal processed materials where the article, material, or supply does not fall into any of the categories, as it is not a Manufactured Product, an Iron or Steel Product, or a Construction Material and when these materials are delivered to the work site without final form for incorporation into the product (i.e. seed mix and topsoil). If they are formed prior to delivery, they are a Manufactured Product and not an Excluded Material.
3. Iron or Steel Product: An article, material, or supply that consist of wholly or predominantly of iron or steel or a combination of both. To be considered predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. The cost of iron and steel is based on a good faith estimate of the cost of the iron or steel components.
4. Manufactured Product: A Manufactured Product includes any item produced as a result of the manufacturing process. Items that should be treated as a manufactured product (rather than a construction material) are: 1) items that consist of two or more of the listed construction materials that have been combined together through a manufacturing process, and 2) items that include at least one of the listed construction materials as defined above, combined with a material that is not listed through a manufacturing process. If a product is not an Iron or Steel Product, a Construction Material, or an Excluded Material, it is a Manufactured Product.
5. United States: To further define the coverage, a domestic product is a manufactured steel construction material that was produced in one of the 50 states, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States.

Iron or Steel Product Requirements

Iron or Steel Products that are permanently incorporated into the project shall consist of American-made materials only. Buy America requirements do not apply to temporary steel or iron items, e.g., temporary sheet piling, temporary bridges, steel scaffolding and falsework.

Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the foreign material used does not exceed one-tenth of one percent of the total contract cost or \$2,500.00, whichever is greater.

American-made material is defined as material having all manufacturing processes occurring domestically.

If domestically produced steel billets or iron ingots are exported outside of the United States, as defined above, for any manufacturing process then the resulting product does not conform to the Buy America requirements. Additionally, products manufactured domestically from foreign source steel billets or iron ingots do not conform to the Buy America requirements because the initial melting and mixing of alloys to create the material occurred in a foreign country.

Manufacturing begins with the initial melting and mixing and continues through the coating

stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. The processes include rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is deemed a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron. Any process from the original reduction from ore to the finished product constitutes a manufacturing process for iron.

Due to a nationwide waiver, Buy America requirements do not apply to raw materials (iron ore and alloys), scrap (recycled steel or iron), and pig iron ore processed, pelletized, and reduced iron ore.

The following are considered to be steel manufacturing processes:

1. Production of steel by any of the following processes:
 - a. Open hearth furnace.
 - b. Basic oxygen.
 - c. Electric furnace.
 - d. Direct reduction.
2. Rolling, heat treating, and any other similar processing.
3. Fabrication of the products:
 - a. Spinning wire into cable or strand.
 - b. Corrugating and rolling into culverts.
 - c. Shop fabrication.

A certification of materials origin will be required for all iron or steel products prior to such items being incorporated into the permanent work. The Contractor will not receive payment until the certification is received by the Engineer. The certification shall be on WSDOT Form 350-109 provided by the Engineer, or such other form the Contractor chooses, provided it contains the same information as WSDOT Form 350-109.

Manufactured Products

Due to a nationwide waiver, Buy America requirements do not apply to Manufactured Products except as follows:

1. When a precast concrete product is classified as a Manufactured Product, the components that are an Iron or Steel Product shall follow the "Iron and Steel Requirements" of this Specification.
2. When an electronic hardware system such as an intelligent transportation system is classified as a Manufactured Product, the cabinets and the other enclosures of such systems that are an Iron or Steel Product shall follow the "Iron and Steel Requirements" of this Specification.

Construction Material Requirements

A Contractor provided certification of materials origin will be required before each progress estimate or payment. The Contractor will not receive payment until the certification is received by the Engineer. The Contractor shall certify that all Construction Materials installed during the current progress estimate period meet the Buy America requirements. The certification shall be on WSDOT Form 350-111 provided by the Engineer, or such other form the Contractor chooses, provided it contains the same information as WSDOT Form 350-111.

Waiver for De Minimis Costs

Minor amounts of Foreign Construction Materials may be utilized in this project, provided that the total cost of the Foreign Construction Materials does not exceed \$1,000,000 and does not exceed 5 percent of the total applicable material costs calculated as follows:

$$\frac{\text{Total cost of Foreign Construction Materials}}{\text{Total applicable material costs}} < 0.05$$

The total applicable material costs shall be the sum of the costs all Construction Materials, all Iron or Steel Products, and all Manufactured Products. Total applicable material costs does not include Excluded Materials.

- **Beginning on page 35 line 12 ending on page 42 line 20, delete Section 1-07-11 Requirements for Nondiscrimination (directive issued by WSDOT Headquarters on March 11, 2025).**
 - The GSP 1-07.11.OPT1.GR1 was deleted due to the revocation of Executive Order 11246. The deleted GSP was created to address the requirements of the Equal Opportunity clauses. This does not affect the overall DBE Program. The DBE Program is established by law in accordance with 49 CFR 26.
- **On page 102 line 22, 8-30 Field Office Building renamed to 8-32 Field Office Building**
- **On page 102 line 25, 8-30.1 Description renamed to 8-32.1 Description**
- **On page 102 line 29, 8-30.2 Construction Requirements renamed to 8-32.2 Construction Requirements**
- **On page 103 line 3, 8-30.5 Payment renamed to 8-32.5 Payment**

APPENDIX B IS REVISED AS FOLLOWS:

- Appendix B: Remove the Federal Prevailing Wage Rates dated 02/07/2025 and replace them with the Federal Prevailing Wage Rates Modification 2, dated 03/21/2025.

APPENDIX H IS REVISED AS FOLLOWS:

- Delete Vicinity Maps and Plans and replace with “Regulated Building Materials Survey” referred to as the Good Faith Investigation (GFI) in the Project Specifications.

APPENDIX I IS ADDED AS FOLLOWS:

- Vicinity Maps and Plans is added as Appendix I.

PROPOSAL FOR BIDDING PURPOSES:

- **Delete original proposal and replace with Revised Proposal No. 1, which includes the following changes:**
 - Revised publication dates are as follows:

Skagit Valley Herald – March 22, 27 and April 3, 10, 2025
Daily Journal of Commerce – March 21 and 27, April 3 and 10, 2025
OMWBE – March 20 – April 21, 2025
 - Date on Certification of Wage Payment Statutes changed to March 21, 2025

QUESTIONS & ANSWERS

1. Is there a DBE Goal for this project?

The Contractor is alerted that this is a Federally funded project. **The Disadvantaged Business Enterprise (DBE) mandatory goal of 7 percent (7%) & 800 (eight hundred) training hours has been established for this project.** Certification is required. Further details are available in the Special Provisions.

2. Is tree removal, land clearing, and pruning involved in this project?

Per Special Provision 2-01.1, clearing and grubbing will be performed on the west side of the Skagit River from the County driveway access off of SR20 to the Marblemount Bridge, as needed.

3. What is the estimate of construction?

The Engineer's Estimate for this project is \$10,048,500 to \$11,723,250.

4. When is construction targeted to begin?

Construction is estimated to begin June of 2025.

5. Who is the Project Architect of Record?

The Engineers of Record are as follows:

Thomas M. Weller - Skagit County
Josh D. Warren - David Evans and Associates, Inc.
Manuel L. Feliberti - David Evans and Associates, Inc.
Zeno Martin – Wiss, Janney, Elstner Associates, Inc.
Syed Zillur Rahman – Concord Engineering, Inc.

END OF ADDENDUM No. 1

Receipt of Addendum No. 1 must be acknowledged on page 7 of the "Proposal for Bidding Purposes" where indicated.

DATE OF BID OPENING: Monday, April 21, 2025, at 1:00 PM PST



Thomas Weller, P.E.
Acting County Engineer

APPENDIX B

Federal Prevailing Wage Rates

Washington State Prevailing Wage Rates

Washington State Prevailing Wage Rate Benefit Key Code

Supplemental to Washington State Wage Rates

"General Decision Number: WA20250001 03/21/2025
 Superseded General Decision Number: WA20240001
 State: Washington
 Construction Type: Highway
 Counties: Washington Statewide.
 HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin
 Counties)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.75 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 2025.	
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.	

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/03/2025
1	02/07/2025
2	03/21/2025

CARP0003-006 06/01/2021

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLUCKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA, and WAHAKIAKUM Counties.

	Rates	Fringes
Carpenters:		
CARPENTERS.....	\$ 44.38	16.87
DIVERS TENDERS.....	\$ 49.09	16.87
DIVERS.....	\$ 93.09	16.87
DRYWALL.....	\$ 44.38	16.87
MILLWRIGHTS.....	\$ 46.89	16.87
PILEDRIVERS.....	\$ 44.97	16.87

DEPTH PAY:

50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET
 101 TO 150 FEET \$1.50 PER FOOT OVER 101 FEET
 151 TO 200 FEET \$2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):

Zone 2 - \$0.85
 Zone 3 - 1.25
 Zone 4 - 1.70
 Zone 5 - 2.00
 Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND VANCOUVER, (NOTE: All dispatches for Washington State Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities
 ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities
 ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities
 ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.
 ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities
 ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

 CARP0030-004 06/01/2021

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM Counties

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTERS.....	\$ 49.18	19.01
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 47.02	19.01
CARPENTERS.....	\$ 49.18	19.01
DIVERS TENDER.....	\$ 54.54	19.01
DIVERS.....	\$ 103.43	19.01
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 50.68	19.01
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 49.58	19.01

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT
AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall,
Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

CARP0059-002 06/01/2024

ADAMS, ASOTIN, BENTON, CHELAN (East of 120th meridian),
COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT (East of
120th meridian), KITTITAS (East of 120th meridian), LINCOLN,
OKANOGAN (East of 120th meridian), PEND OREILLE, SPOKANE,
STEVENS, WALLA WALLA, WHITMAN, and YAKIMA (East of 120th
meridian) Counties

	Rates	Fringes
CARPENTER		
GROUP 1.....	\$ 41.86	16.56
GROUP 2.....	\$ 47.42	18.96
GROUP 3.....	\$ 47.41	16.61
GROUP 4.....	\$ 45.86	16.56
GROUP 5.....	\$ 105.46	16.56
GROUP 6.....	\$ 51.73	16.56
GROUP 7.....	\$ 52.73	16.56
GROUP 8.....	\$ 48.41	16.56
GROUP 9.....	\$ 55.73	16.56

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter

GROUP 2: Millwright, Machine Erector

GROUP 3: Piledriver - includes driving, pulling, cutting,
placing collars, setting, welding, or creosote treated
material, on all piling

GROUP 4: Bridge, Dock, and Wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby

GROUP 8: Assistant Diver Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-45 MILES	FREE
ZONE 2	45-100	\$4.00/PER HOUR
ZONE 3	OVER 100 MILES	\$6.00/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (515 N Neel Street) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (306 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:

50-100 feet	\$2.00 per foot
101-150 feet	\$3.00 per foot
151-220 feet	\$4.00 per foot
221 feet and deeper	\$5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:

0-25 feet	Free
26-300 feet	\$1.00 per Foot

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.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

CARP0770-003 06/01/2021

WEST OF 120TH MERIDIAN FOR THE FOLLOWING COUNTIES:
CHELAN, DOUGLAS, GRANT, KITTITAS, OKANOGAN, and YAKIMA

	Rates	Fringes
CARPENTER		
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 47.02	19.01
CARPENTERS.....	\$ 49.18	19.01
DIVERS TENDER.....	\$ 54.54	19.01
DIVERS.....	\$ 103.43	19.01
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 50.68	19.01
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 49.58	19.01

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL
CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$.70/hour
Over 45 radius miles	\$1.50/hour

ELEC0046-001 08/05/2024

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 80.94	31.06
ELECTRICIAN.....	\$ 73.58	30.84

* ELEC0048-003 01/01/2025

CLARK, KLIKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 63.50	29.73

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles \$1.50/hour
 Zone 2: 51-70 miles \$3.50/hour
 Zone 3: 71-90 miles \$5.50/hour
 Zone 4: Beyond 90 miles \$9.00/hour

*These are not miles driven. Zones are based on Delorme Street Atlas USA 2006 plus.

 ELEC0048-029 01/01/2025

COWLITZ AND WAHKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 63.50	29.73

 ELEC0073-001 07/01/2024

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 34.10	16.68
ELECTRICIAN.....	\$ 47.55	18.03

*** ELEC0076-002 02/01/2025**

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 69.19	26.63
ELECTRICIAN.....	\$ 62.90	26.26

 ELEC0112-005 06/01/2024

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 60.90	26.01
ELECTRICIAN.....	\$ 58.00	25.92

 ELEC0191-003 06/01/2022

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.23	17.73
ELECTRICIAN.....	\$ 53.20	27.51

ELEC0191-004 06/01/2018

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 40.82	17.63
ELECTRICIAN.....	\$ 42.45	21.34

ENGI0302-003 06/01/2024

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1A.....	\$ 59.54	26.57
Group 1AA.....	\$ 60.40	26.57
Group 1AAA.....	\$ 61.27	26.57
Group 1.....	\$ 58.67	26.57
Group 2.....	\$ 57.92	26.57
Group 3.....	\$ 57.27	26.57
Group 4.....	\$ 53.62	26.57

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom
 (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barber Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor;
Concrete finish machine-laser screed; Cranes-A frame-10 tons
and under; Elevator and Manlift-permanent or shaft type;
Gradechecker, Stakehop; Forklifts under 3000 lbs. with
attachments; Hydralifts/boom trucks, 10 tons and under; Oil
distributors, blower distribution and mulch seeding
operator; Pavement breaker; Posthole digger, mechanical;
Power plant; Pumps, water; Rigger and Bellman; Roller-other
than plant mix; Wheel Tractors, farmall type;
Shotcrete/gunite equipment operator

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working
inside a federally designated hazardous perimeter shall be
eligible for compensation in accordance with the following
group schedule relative to the level of hazardous waste as
outlined in the specific hazardous waste project site
safety plan.

H-1 Base wage rate when on a hazardous waste site when not
outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

ENGI0370-002 06/01/2024

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN),
COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY,
FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH
MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN
AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 35.91	22.45
GROUP 2.....	\$ 36.28	22.45
GROUP 3.....	\$ 36.99	22.45
GROUP 4.....	\$ 37.18	22.45
GROUP 5.....	\$ 37.37	22.45
GROUP 6.....	\$ 37.69	22.45
GROUP 7.....	\$ 38.01	22.45
GROUP 8.....	\$ 39.88	22.45

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington;
Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumora, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment (8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers) (Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
 180 ft to 250 ft \$.50 over scale
 Over 250 ft \$.80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

 ENGI0612-001 06/01/2024

PIERCE County

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 59.46	26.07
GROUP 1AA.....	\$ 60.32	26.07
GROUP 1AAA.....	\$ 61.17	26.07
GROUP 1.....	\$ 58.60	26.07
GROUP 2.....	\$ 57.85	26.07
GROUP 3.....	\$ 57.21	26.07
GROUP 4.....	\$ 53.58	26.07

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom
(including jib with attachments)

GROUP 1AA - Cranes- 200 tons to 300 tons, or 250 ft of boom
(including jib with attachments; Tower crane over 175 ft in
height, base to boom)

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
(including jib with attachments); Crane-overhead, bridge
type, 100 tons and over; Tower crane up to 175 ft in height
base to boom; Loaders-overhead, 8 yards and over; Shovels,
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft
of boom (including jib with attachments); Crane-overhead,
bridge type, 45 tons thru 99 tons; Derricks on building
work; Excavator, shovel, backhoes over 3 yards and under 6
yards; Hard tail end dump articulating off-road equipment
45 yards and over; Loader- overhead, 6 yards to, but not
including, 8 yards; Mucking machine, mole, tunnel, drill
and/or shield; Quad 9 HD 41, D-10; Remote control operator
on rubber tired earth moving equipment; Rollagon; Scrapers-
self-propelled 45 yards and over; Slipform pavers;
Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-
concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with
attachments; Crane-Overhead, bridge type, 20 tons through
44 tons; Chipper; Concrete pump-truck mount with boom
attachment; Crusher; Deck engineer/deck winches (power);
Drilling machine; Excavator, shovel, backhoe-3 yards and
under; Finishing machine, Bidwell, Gamaco and similar
equipment; Guardrail punch; Loaders, overhead under 6
yards; Loaders-plant feed; Locomotives-all; Mechanics- all;
Mixers, asphalt plant; Motor patrol graders, finishing;
Piledriver (other than crane mount); Roto-mill, roto-
grinder; Screedman, spreader, topside operator-Blaw Knox,
Cedar Rapids, Jaeger, Caterpillar, Barber Green;
Scraper-self- propelled, hard tail end dump, articulating
off-road equipment- under 45 yards; Subgrader trimmer;
Tractors, backhoe over 75 hp; Transfer material service
machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane
oiler/driver-100 tons and over; Truck Mount Portable
Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

 ENGI0612-012 06/01/2024

LEWIS, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 58.33	26.07
GROUP 1AA.....	\$ 59.19	26.07
GROUP 1AAA.....	\$ 60.02	26.07
GROUP 1.....	\$ 57.48	26.07
GROUP 2.....	\$ 56.75	26.07
GROUP 3.....	\$ 56.11	26.07
GROUP 4.....	\$ 52.53	26.07

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom
 (including jib with attachments)

GROUP 1AA - Cranes- 200 tons to 300 tons, or 250 ft of boom
 (including jib with attachments; Tower crane over 175 ft in height, base to boom)

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom
 (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$.50 per hour.
H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.
H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.
H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

ENGI0701-002 01/01/2022

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHIAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 51.65	16.35
GROUP 1A.....	\$ 53.81	16.35
GROUP 1B.....	\$ 55.97	16.35
GROUP 2.....	\$ 49.74	16.35
GROUP 3.....	\$ 48.59	16.35
GROUP 4.....	\$ 45.26	16.35
GROUP 5.....	\$ 44.02	16.35
GROUP 6.....	\$ 40.80	16.35

Zone Differential (add to Zone 1 rates):
Zone 2 - \$3.00
Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1

Concrete Batch Plant and or Wet mix three (3) units or more; Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over; Helicopter when used in erecting work

Group 1A

Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib; Crane, tower Crane on rail system or 2nd tower or more in work radius

Group 1B

Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

Group 2

Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or "Trimmer"; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

Group 3

Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

Group 4

Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Plow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete, Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine; Ultra High Pressure Water Jet Cutting Tool System Operator; Vacuum Blasting Machine Operator; Water pulls, Water wagons

Group 5

Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

Group 6

Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steer (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feeder; Crusher Oiler; Deckhand; Drill, Directional Locator; Fork Lift; Grade Checker; Guardrail Punch Oiler; Hydrographic Seeder Machine, straw, pulp or seed; Hydrostatic Pump Operator; Mixer Box (CTB, dry batch, etc.); Oiler; Plant Oiler; Pump (any power); Rail, Brakeman, Switchman, Motorman; Rail, Tamping Machine, mechanical, self-propelled; Rigger; Roller grading (not asphalt); Truck, Crane Oiler-Driver

IRON0014-005 01/01/2024

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 38.91	32.27

IRON0029-002 01/02/2023

CLARK, COWLITZ, KLINKITAT, PACIFIC, SKAMANIA, AND WAHKAUKUM
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 42.27	32.57

IRON0086-002 01/01/2024

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 38.91	32.27

IRON0086-004 01/01/2024

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 53.45	34.02

LABO0238-004 06/01/2023

A-1 AREA: ASOTIN, BENTON, FRANKLIN, GARFIELD, LINCOLN, SPOKANE, WALLA WALLA, & WHITMAN COUNTIES

A-2 AREA: ADAMS, COLUMBIA, DOUGLAS (East of 120th Meridian), FERRY, GRANT, OKANOGAN, PEND OREILLE, & STEVENS COUNTIES

	Rates	Fringes
LABORER (A-1)		
GROUP 1.....	\$ 30.88	15.70
GROUP 2.....	\$ 33.72	15.70
GROUP 3.....	\$ 34.03	15.70
GROUP 4.....	\$ 34.33	15.70
GROUP 5.....	\$ 34.64	15.70
LABORER (A-2)		
GROUP 1.....	\$ 33.88	15.60
GROUP 2.....	\$ 36.72	15.60
GROUP 3.....	\$ 37.03	15.60
GROUP 4.....	\$ 37.33	15.60
GROUP 5.....	\$ 37.64	15.60

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder; Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Buckler and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Asphalt Raker; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Guniting (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on raises and shafts)

LABO0238-006 06/01/2023

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON,
CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT,
LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA,
WHITMAN

	Rates	Fringes
Hod Carrier.....	\$ 34.97	15.70

LABO0242-003 06/01/2022

KING COUNTY

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2A.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80
Group 6.....	\$ 45.91	13.90

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall

ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2A: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

Group 6: Miner

LABO0252-010 06/01/2022

CLALLAM, GRAYS HARBOR, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC
(EXCLUDING SOUTHWEST), PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall

ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window
Washer/Cleaner (detail clean-up, such as but not limited to
cleaning floors, ceilings, walls, windows, etc., prior to
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Grade Checker and Transit Person; High Scaler; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0292-008 06/01/2022

ISLAND, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall

ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window
Washer/Cleaner (detail clean-up, such as but not limited to
cleaning floors, ceilings, walls, windows, etc., prior to
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0335-001 06/01/2022

CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE
MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHIAKUM COUNTY
WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 37.98	13.80
GROUP 2.....	\$ 38.76	13.80
GROUP 3.....	\$ 39.35	13.80
GROUP 4.....	\$ 39.85	13.80
GROUP 5.....	\$ 34.75	13.80
GROUP 6.....	\$ 31.61	13.80
GROUP 7.....	\$ 27.44	13.80

Zone Differential (Add to Zone 1 rates):

Zone 2 \$ 0.65

Zone 3 - 1.15

Zone 4 - 1.70

Zone 5 - 2.75

BASE POINTS: LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.

ZONE 2: More than 30 miles but less than 40 miles from the
respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the
respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the
respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch
Weighman; Broomers; Brush Burners and Cutters; Car and
Truck Loaders; Carpenter Tender; Change-House Man or Dry
Shack Man; Choker Setter; Clean-up Laborers; Curing,
Concrete; Demolition, Wrecking and Moving Laborers;
Dumpers, road oiling crew; Dumpmen (for grading crew);
Elevator Feeders; Median Rail Reference Post, Guide Post,
Right of Way Marker; Fine Graders; Fire Watch; Form
Strippers (not swinging stages); General Laborers;
Hazardous Waste Worker; Leverman or Aggregate Spreader
(Flaherty and similar types); Loading Spotters; Material
Yard Man (including electrical); Pittsburgh Chipper
Operator or Similar Types; Railroad Track Laborers; Ribbon
Setters (including steel forms); Rip Rap Man (hand placed);
Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers;
Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring;
Timber Faller and Bucker (hand labor); Toolroom Man (at job
site); Tunnel Bullgang (above ground); Weight-Man- Crusher
(aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunitite Nozzleman Tender; Gunitite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunitite Nozzleman; High Scalars, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Powdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

LABO0335-019 06/01/2022

	Rates	Fringes
Hod Carrier.....	\$ 37.98	13.80

LABO0348-003 06/01/2022

CHELAN, DOUGLAS (W OF 12TH MERIDIAN), KITTITAS, AND YAKIMA
COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 25.37	13.80
GROUP 2.....	\$ 29.16	13.80
GROUP 3.....	\$ 31.94	13.80
GROUP 4.....	\$ 32.72	13.80
GROUP 5.....	\$ 32.09	13.19

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 but less than 45 radius miles from the
respective city hall

ZONE 3 - More than 45 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective
city hall

ZONE 2 - More than 25 radius miles from the respective city
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window
Washer/Cleaner (detail clean-up, such as but not limited to
cleaning floors, ceilings, walls, windows, etc., prior to
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

PAIN0005-002 07/01/2022

STATEWIDE EXCEPT CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH),
SKAMANIA, AND WAHIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS.....	\$ 33.37	18.53

PAIN0005-004 03/01/2009

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,
MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND
WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 20.82	7.44

* PAIN0005-006 07/01/2018

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE);
CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS,
LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA,
WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
PAINTER		
Application of Cold Tar		
Products, Epoxies, Polyure		
thanes, Acids, Radiation		
Resistant Material, Water		
and Sandblasting.....	\$ 30.19	11.71
Over 30'/Swing Stage Work..	\$ 22.20	7.98
Brush, Roller, Striping,		
Steam-cleaning and Spray....	\$ 22.94	11.61
Lead Abatement, Asbestos		
Abatement.....	\$ 21.50	7.98

*\$.70 shall be paid over and above the basic wage rates
listed for work on swing stages and high work of over 30
feet.

*** PAIN0055-003 01/01/2025**

CLARK, COWLITZ, KLINKITAT, PACIFIC, SKAMANIA, AND WAHIAKUM
COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 37.69	15.94
Spray and Sandblasting.....	\$ 37.69	15.94

All high work over 60 ft. = base rate + \$0.75

*** PAIN0055-006 01/01/2025**

CLARK, COWLITZ, KLINKITAT, SKAMANIA and WAHIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT		
STRIPER.....	\$ 37.69	15.94

PLAS0072-004 06/01/2023

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA
COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 38.05	16.89

Zone Differential (Add to Zone 1 rate): Zone 2 - \$3.00

BASE POINTS: Spokane, Pasco, Lewiston; Wenatchee
Zone 1: 0 - 45 radius miles from the main post office
Zone 2: Over 45 radius miles from the main post office

PLAS0528-001 06/01/2024

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING,
KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT,
SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
CEMENT MASON		
CEMENT MASON.....	\$ 54.16	21.27
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 54.66	21.27
TROWELING MACHINE OPERATOR ON COMPOSITION.....	\$ 54.66	21.27

PLAS0555-002 06/01/2023

CLARK, KICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 45.06	19.95
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 44.19	19.95
CEMENT MASONS.....	\$ 43.33	19.95
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 44.19	19.95

Zone Differential (Add To Zone 1 Rates):

Zone 2 - \$0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND,
SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall
ZONE 2: More than 30 miles but less than 40 miles from the
respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the
respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the
respective city hall.
ZONE 5: More than 80 miles from the respective city hall

TEAM0037-002 06/01/2024

CLARK, COWLITZ, KLUCKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1.....	\$ 33.09	17.63
GROUP 2.....	\$ 33.24	17.63
GROUP 3.....	\$ 33.40	17.63
GROUP 4.....	\$ 33.72	17.63
GROUP 5.....	\$ 33.97	17.63
GROUP 6.....	\$ 34.18	17.63
GROUP 7.....	\$ 34.42	17.63

Zone Differential (Add to Zone 1 Rates):

Zone 2 - \$0.65

Zone 3 - 1.15

Zone 4 - 1.70

Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trucks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom dumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

* TEAM0174-001 06/01/2024

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	\$ 52.88	26.52
GROUP 2:.....	\$ 52.04	26.52
GROUP 3:.....	\$ 49.23	26.52
GROUP 4:.....	\$ 44.26	26.52
GROUP 5:.....	\$ 52.43	26.52

ZONE B (25-45 miles from center of listed cities*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities*): Add \$1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired) (when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0690-004 06/01/2024

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,
FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA
COUNTIES

	Rates	Fringes
Truck drivers: (AREA 1: SPOKANE ZONE CENTER: Adams, Chelan, Douglas, Ferry, Grant, Kittitas, Lincoln, Okanogan, Pen Oreille, Spokane, Stevens, and Whitman Counties		

AREA 1: LEWISTON ZONE CENTER:
Asotin, Columbia, and
Garfield Counties

AREA 2: PASCO ZONE CENTER:
Benton, Franklin, Walla Walla
and Yakima Counties)

AREA 1:		
GROUP 1.....	\$ 36.83	20.93
GROUP 2.....	\$ 39.47	20.93
GROUP 3.....	\$ 39.58	20.93
GROUP 4.....	\$ 39.91	20.93
GROUP 5.....	\$ 40.02	20.93
GROUP 6.....	\$ 40.22	20.93
GROUP 7.....	\$ 40.56	20.93
GROUP 8.....	\$ 40.88	20.93
AREA 2:		
GROUP 1.....	\$ 33.83	20.93
GROUP 2.....	\$ 36.47	20.93
GROUP 3.....	\$ 36.58	20.93
GROUP 4.....	\$ 36.91	20.93
GROUP 5.....	\$ 37.02	20.93
GROUP 6.....	\$ 37.22	20.93
GROUP 7.....	\$ 37.56	20.93
GROUP 8.....	\$ 37.88	20.93

Zone Differential (Add to Zone 1 rate: Zone 1 + \$2.00)

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than "SU", "UAVG", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate 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. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The "SU" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007

6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the 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. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The "SA" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations.

Requests can be submitted via email to BCWD-Office@dol.gov or by mail 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 an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail 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 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.

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END OF GENERAL DECISION"

APPENDIX H

Regulated Building Materials (Good Faith Investigation (GFI))



REGULATED BUILDING MATERIALS SURVEY

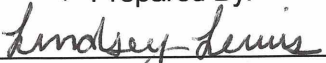
Skagit County Marblemount Bridge Rehab North Cascade Highway 20 Marblemount- Cascade River Road Bridge Marblemount, WA



Performed for:

David Evans & Associates, Inc.
14432 SE Eastgate Way, Suite 400
Bellevue, WA 98007

Prepared By:


Lindsey Lewis
Project Administrator
PacRim

Sr. Review By:


Allison Lewis
AHERA Accredited BI
PacRim

Report Date: 11/13/2023
PacRim#: 17782

Pacific Rim Environmental, Inc.

6510 Southcenter Blvd, Ste. #40
Seattle, WA 98188

(206) 244-8965
www.pacrimenv.com

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QAQC Review By: 

Date Reviewed: 11/15/2023

Introduction: On October 19th, 2023, Tyler Sadler, an AHERA Accredited Building Inspector and a DOC certified Lead Risk Assessor for Pacific Rim Environmental, Inc. (PacRim), performed an initial regulated building materials survey at the subject property described below.

Site: Skagit County Marblemount Bridge Rehab - North Cascade Highway 20 Marblemount- Cascade River Road Bridge

Limitations: Sampling was limited to materials accessible and safe to the technician.

Field inspection, data collection, and report generation were performed according to the following **Scope of Work:**

Asbestos-Containing Materials (ACM)

1. Bulk sampling and analysis of suspect asbestos-containing materials (ACM).
2. Analysis of suspect ACM by a NVLAP accredited laboratory.
3. Quantity estimates of ACM.
4. Written report based on the technician's observations, sample descriptions, and sample location.
5. Statement of Compliance with W.A.C. 296-62-07721 Sign-off form.

Lead-Based Paints (LBP)

6. Perform limited screening of suspect lead-based paints.
7. Written report including: Sample descriptions, conditions, locations, analytical results, and recommendations.

RCRA 8 Metals

8. Sampling of suspect materials for RCRA 8 metals analysis.
9. Written report including: Sample descriptions, locations, and analytical results.

Polychlorinated Biphenyls (PCB)

10. Sampling of suspect materials for PCB analysis.
11. Written report including Sample descriptions, locations, and analytical results.

DEFINITIONS:

Surfacing: Materials, which are either spray-applied or troweled-on for acoustical, decorative, or fireproofing purposes.

Thermal System Insulation (TSI): Insulating materials used to inhibit heat transfer or to prevent condensation on pipes, boilers, tanks, ducts, and various other components.

Miscellaneous (Misc.): All other materials not included in the above categories such as floor tile, ceiling tile, roofing felt, cementitious materials, wallboard systems and products such as caulking, mastics and putties.

Homogeneous Material: For the purposes of this report; **Homogeneous Material** is defined as an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color, texture, and application. When materials are determined to be Homogeneous by the on-site AHERA Accredited Building Inspector; although laboratory results may vary, in accordance with AHERA regulations, if any of the samples in a Homogeneous Material Sample Set are found to contain asbestos, then all materials in the Sample Set must be considered to contain asbestos.

HM#: Homogeneous Material Number indicates which Homogeneous Material Sample Set that the collected sample belongs to.

Homogeneous Area: For the purposes of this report, **Homogeneous Area** is defined as a summary of all areas where a Homogeneous Material was identified within the Project Scope.

PURPOSE:

The survey was intended to identify possible asbestos-containing materials (ACM), Lead-Based Paint, RCRA 8 Metals, and Polychlorinated Biphenyls (PCB) on the exterior of the bridge. This inspection covered only those areas which were exposed and/or physically accessible to the inspector.

Materials uncovered during the course of demolition, renovation, or maintenance activities that are not identified in this inspection report must be presumed to contain asbestos until PLM analysis proves that this material is not asbestos-containing.

This survey is not intended for, nor should be used as a design specification.

The Asbestos in Schools Hazard Amendment and Reauthorization Act (ASHARA), effective November 20, 1990, expanded accreditation requirements to apply to persons who work with asbestos in public and commercial buildings as well as schools. Specifically, ASHARA expanded the Toxic Substances Control Act (TSCA) Section 206 (a) (1) and (3) to require accreditation for any person who designs or conducts a response action with respect to friable ACM in a building. TSCA Section 207 provides for civil penalties of \$5,000 for each day of a violation for not employing accredited individuals to design and conduct response actions.

Sampling of suspect asbestos-containing materials was conducted as prescribed in 40 CFR 763.86.

Section 3.0

Survey Findings – Statement of Compliance

In accordance with [29 CFR 1910.1001](#), [W.A.C. 296-62-07721](#), and [PSCAA Regulation III, Article 4](#), Pacific Rim Environmental, Inc. performed an initial and destructive regulated building materials survey of the subject structure located at North Cascade Highway 20 Marblemount – Cascade River Road Bridge in Marblemount, Washington. Should employees or contract personnel encounter any suspect asbestos-containing materials (ACM) it is their responsibility to:

1. Contact a representative of the owner.
2. Consult the inspection report to determine whether or not the suspect material contains asbestos.
3. If the suspect material does not appear in the inspection report, then that material was not sampled and must be presumed to contain asbestos until proven otherwise by sampling and PLM analysis.
4. Ensure that all employees and contractors, who may disturb suspect materials, are informed and advised of the location and type of materials that contain asbestos.

Survey Findings:

The following suspect hazardous and regulated materials were sampled and analyzed at the subject property:

Asbestos (See Section 4.0 for details):

The following materials were found to contain less than 1% Asbestos by laboratory analysis:

- Expansion Joint
- Concrete

Lead-Based Paint (See Section 5.0 for details):

Multiple painted components were found to be LBP and Lead-containing paint.

Regulated RCRA 8 Metals (See Section 6.0 for details):

Materials were determined to contain RCRA 8 metals above the regulated limit by laboratory analysis.

Polychlorinated Biphenyls (See Section 7.0 for details):

None of the suspect PCB materials were found to contain greater than 50ppm. The materials were found to contain greater than 2ppm of PCBs and will require worker protection during removal.

I Hereby Attest:

The inspection report has been made available to me. I will inform all subcontractors of the location and types of materials containing asbestos. I am authorized to sign on behalf of my company.

Contractor:	_____	Owner's Rep:	_____
Signature:	_____	Signature:	_____
Print Name:	_____	Print Name:	_____
Title:	_____	Title:	_____
Date:	_____	Date:	_____

Section 4.0

Asbestos Sampling Summary by Homogeneous Materials

Bulk samples collected were submitted for sample analysis in accordance with method EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials". Analyses were performed at the Pacific Rim Environmental, Inc., a NVLAP Accredited Laboratory (Lab Code 101631-0). Materials are positive for asbestos if they are found to contain greater than one percent (1%) or 1% asbestos. Materials that are less than one percent (<1%) asbestos, although not considered positive for asbestos, when removed must follow applicable Washington State regulations.

A total of twenty (20) bulk samples were collected by PacRim and submitted for PLM laboratory analysis.

Limitations: Sampling was limited to materials accessible and safe to the technicians.

The following materials were found to contain less than 1% Asbestos by laboratory analysis:

- Expansion Joint
- Concrete

Asbestos Sample Summary Table by Homogenous Number:

HM #	AHERA Category	Material Description	Estimated Quantity	Sample Location	PLM Asbestos Type / %	Sample Number	TEM Analysis Asbestos Type / %
1	Surfacing	Exterior Paint	N/A	Bridge - south side, east end on railing	None Detected	1	N/A
				Bridge - south side, east end on diagonal bracing	None Detected	3	N/A
				Bridge - center area, north end on railing	None Detected	8	N/A
				Bridge - center area, south side on vertical brace	None Detected	9	N/A
				Bridge - south side, west end on railing	None Detected	10	N/A
				Bridge - north side, west end on diagonal bracing	None Detected	11	N/A
				Bridge - south side, west end on diagonal bracing	None Detected	12	N/A

** Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.
PacRim #17782

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Section 4.0

Asbestos Sampling Summary by Homogeneous Materials - Continued

HM #	AHERA Category	Material Description	Estimated Quantity	Sample Location	PLM Asbestos Type / %	Sample Number	TEM Analysis Asbestos Type / %
2	Misc.	Expansion Joint	300 LF	Bridge - south side, east end between concrete deck joint	None Detected **	2	N/A
				Bridge - center area between bridge deck	None Detected **	7	N/A
				Bridge - west end between bridge deck panels	Layer 1: (Cementitious Residue) None Detected Layer 2: (Cementitious Material) Actinolite <1%	14	N/A
3	Surfacing	Concrete	25,000 SF	Bridge - south side, east end from deck	None Detected **	4	N/A
				Bridge - south side from bridge deck	None Detected **	5	N/A
				Bridge - center area on bridge deck	None Detected **	6	Total Asbestos: Tremolite 0.41%
				Bridge - west end on bridge deck	None Detected (Both Layers) **	13	N/A
				Bridge - west end on bridge deck	None Detected **	15	N/A
				Bridge - south side, west end on curb	Chrysotile <1%	16	Total Asbestos: Actinolite 0.40%
				Bridge - Northside, west end on curb	None Detected **	17	N/A
4	Misc.	Grey sealant	N/A	Bridge - east end at base of caution post	None Detected	18	N/A
				Bridge - center area at base of caution post	None Detected (Both Layers)	19	N/A
				Bridge - west end at base of caution post	None Detected (Both Layers)	20	N/A

Materials uncovered during the course of demolition, renovation, or maintenance activities that are not identified in this inspection report must be presumed to contain asbestos until PLM analysis proves that this material is not asbestos-containing.

** Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.
PacRim #17782

Section 5.0

Lead-Based Paint Screening Summary

The inspection and testing performed on the exterior of the subject structure's painted surfaces ***did identify*** lead-based paint concentrations at or above the **EPA/HUD standard of 1.0 mg/cm²** on the tested components:

Test #	Substrate	Component	Location	Color	Pb mg/cm ²
5	Metal	Vertical Brace	Bridge – East end	Green	1.31
6	Metal	Sway Brace	Bridge – East end	Green	1.90
10	Metal	Vertical Brace	Bridge – West end	Green	3.53
11	Metal	Railing	Bridge – West end	Green	1.32

The XRF sample results are provided in Appendix D.

The Performance Characteristic Sheet for the SciAps X-Ray Fluorescence Spectrometer (XRF) model SciAps X550, February 1, 2022, is provided in Appendix D.

General Information:

It is important to keep in mind that although the EPA/HUD standard uses a criterion of 5,000 parts per million dry weight or 1.00 milligrams per square centimeter (1.00 mg/cm²) for lead-based paint, there still may be lead present in those results reported as negative. In the event that lead is present, Federal OSHA and Washington State Department of Labor & Industries regulations will still apply since neither agency has established a concentration of lead in paint below which the lead-in construction standards do not apply. Workers wearing respiratory protection and who have received proper training in handling lead-contaminated materials must be used for any construction activities (including manual scraping, manual/power sanding, heat gun applications, general cleanup, and demolition) that affect a paint film containing lead.

If the building is to be renovated or remodeled, there are procedures regarding the disturbance or removal of the lead-based paints that **can** be followed (i.e., initial air monitoring, clearance sampling, etc.). These procedures can be found in *HUD-0006700 Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*. It is not required that these regulations/procedures be utilized on this project; however, because these are the only available guidelines for the removal of lead-based paints, PacRim feels it necessary to inform you of these guidelines.

The current state rules or regulations that currently apply to lead-based paints are [WAC 296-155-17603](#) Scope and [WAC 296-155-17607](#) Permissible Exposure Limit. The WAC code states that if lead is detectable in the workplace in any quantity, initial air monitoring must be performed on employees doing demolition, renovation, or remodeling work in areas found to have materials containing lead. Also, workers performing lead removal must be trained in accordance with [WAC 296-155-17625](#).

Section 6.0

RCRA 8 Total Metals Summary

1.0 SAMPLE COLLECTION

PacRim collected samples from the bridge on October 19th, 2023. The samples were submitted for RCRA Metals analysis under chain-of-custody (COC) procedures to the testing laboratory. A new pair of disposable gloves was donned for each sample collected.

1.1 SAMPLE PREPARATION AND PRESERVATION

No sample preparation or preservation is required for this method. Once collected, the sample containers will not be opened until received by the laboratory.

2.0 ANALYTICAL METHODOLOGY

The sample was submitted for RCRA (Resource Conservation and Recovery Act) Metals Analysis. The analytes include Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver.

The samples were analyzed by ICP using EPA Method 6020B modified Analysis provided by Friedman & Bruya Laboratory in Seattle, WA.

2.1 ANALYTICAL RESULTS

The sample contained detectable levels of RCRA metals ranging from 2 mg/kg to 100 mg/kg. The presence of RCRA metals, including arsenic, cadmium, chromium, and lead, **will necessitate employee exposure monitoring during any activity that disturbs the mortar**. The sample results are summarized in Table A.

3.0 TABLE OF RESULTS - Analysis Results (RCRA Metals)

Parts per million (ppm) is equivalent to milligrams per kilogram (mg/kg) and milligrams per liter (mg/L). The presence of RCRA Metals will trigger exposure monitoring during any activity that disturbs the mortar. Laboratory Analysis Reports are provided in Appendix G. The sample results are summarized below in Table A.

TABLE A (results reported in ppm = mg/L)

Heavy Metal	RCRA-01 – Bridge Deck	RCRA-02 – Bridge Railing	EPA Allowable Limit
Arsenic	1.22	9.10	5.0
Barium	23.0	438	100.0
Cadmium	<1	<2	1.0
Chromium	18.1	196	5.0
Lead	1.13	21,800	5.0
Mercury	<2	<2	0.2
Selenium	<2	<10	1.0
Silver	<2	<1	5.0

4.0 EPA ALLOWABLE LIMITS AND WASTE CODES:

Heavy Metal	Hazardous Waste Code	EPA Allowable Limits
Arsenic	D004	5.0 ppm (mg/L)
Barium	D005	100.0 ppm (mg/L)
Cadmium	D006	1.0 ppm (mg/L)
Chromium	D007	5.0 ppm (mg/L)
Lead	D008	5.0 ppm (mg/L)
Mercury	D009	0.2 ppm (mg/L)
Selenium	D010	1.0 ppm (mg/L)
Silver	D011	5.0 ppm (mg/L)

Section 7.0

Polychlorinated Biphenyls Analysis (PCB)

1.0 Introduction

This report summarizes the sample collection and analysis of suspect PCB containing materials from the site. The PCB concentrations will be used to determine the appropriate handling and disposal requirements.

2.0 Description of Work

Pacific Rim Environmental (PacRim) collected samples of the suspect PCB-containing caulk, putty and sealants products observed during the survey. Workers wore standard Personnel Protective Equipment (PPE) and disposable nitrile gloves.

3.0 Sample Collection Procedures

Samples were collected using a razor knife or other hand tools. The samples were placed directly into clean sample containers and stored in an iced cooler. The sampling tools were cleaned before and after each sample using acetone followed by an alconox solution scrub and a triple-rinse in de-ionized water. A new pair of disposable gloves was worn during the collection of each sample.

4.0 Sample Containers

Samples were placed in clear glass sample containers (4-ounce certified clean jars with teflon-lined lids) and labeled with a unique identifier. Sample containers were provided by the analytical laboratory.

5.0 Sample Preparation

No sample preparation is required for this method.

6.0 Sample Preservation

The samples were stored in an iced cooler during the sample collection and shipping process. Once collected, the sample containers were not opened until received by laboratory.

7.0 Sample Documentation

Sample location information was logged on a field data sheet and photographed. Samples were shipped and received under chain-of-custody procedures to the analytical laboratory.

8.0 Analytical Procedures

Samples were analyzed by Friedman & Bruya, Inc. utilizing EPA Method 8082A. Laboratory Accreditations are provided in Appendix H.

8.1 Analytical Results

Zero (0) of the samples were found to contain PCB greater than the regulatory limit. The tabulated results are provided below in Table A. Laboratory analysis reports are provided in Appendix G.

TABLE A

Sample Date	Sample Number	Sample Location	Sample Result	Regulatory Limit
10-19-2023	PCB-1	Bridge- south side, east end between concrete deck panel	<0.45 mg/kg	50 mg/kg (ppm)
10-19-2023	PCB-2	Bridge- South side, from horizontal brace	<0.15 mg/kg	50 mg/kg (ppm)

Appendix A: Sample Location Drawings

Site Sketch

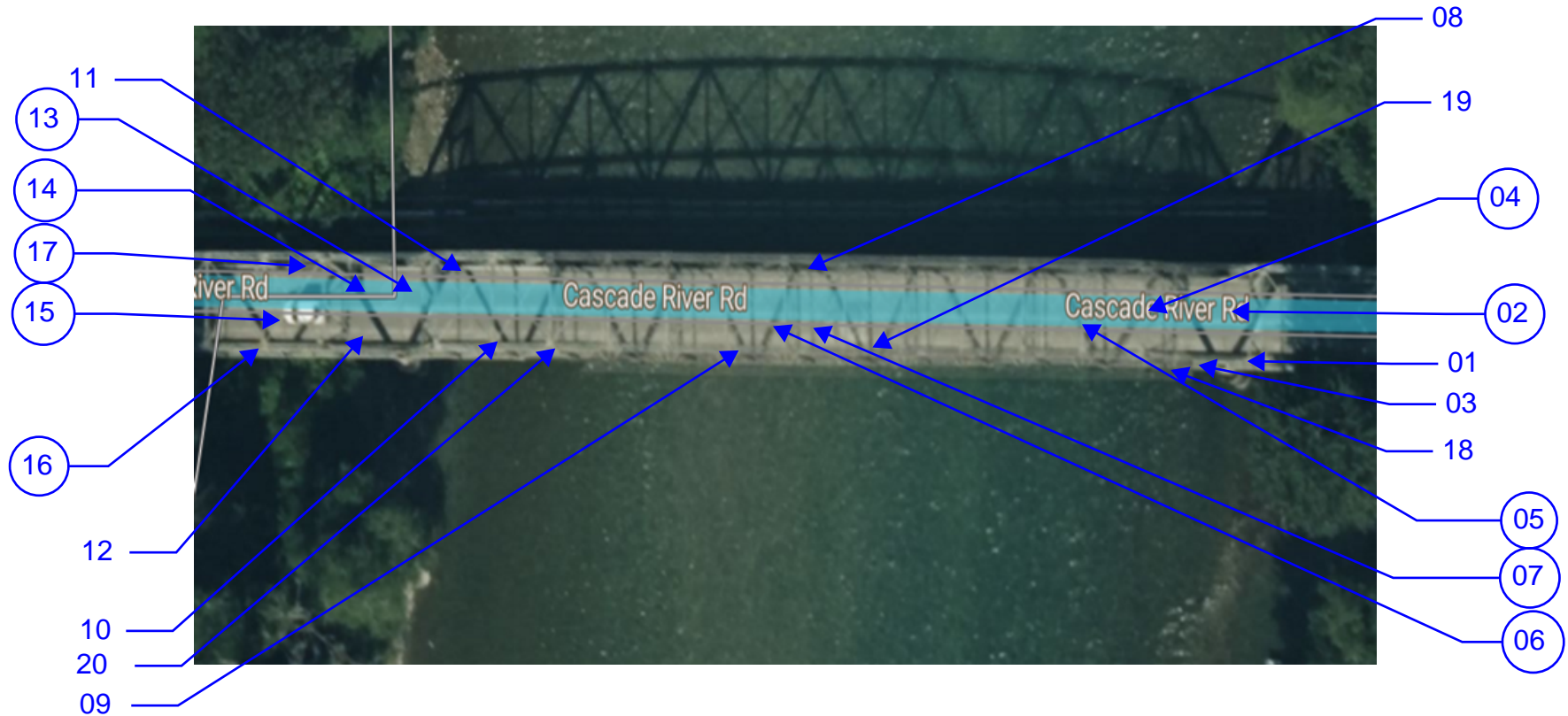
Samples positive for asbestos appear in squares EX: # →

Samples analyzed and non-detected/negative for asbestos appear as numbers only EX: # →

Samples containing less than one percent asbestos appear in circles EX: # →

Visually identified suspect materials assumed to be asbestos-containing appear in triangles EX: V-# →

Marblemount Bridge



David Evans & Associates
Marblemount Bridge
North Cascade HW 20
Marblemount, WA

Pacific Rim Environmental, Inc.

6510 Southcenter Boulevard, #40
Seattle, WA 98188

Tel. (206) 244-8965


pacrimenv.com


Project # : 17782
Drawing # : 01 of 01
Sampling Date: 10/19/2023
Drawing by : L. Lewis
Drawing Not to Scale




Appendix B: Asbestos Inspection Summary & Asbestos Bulk Sample Lab Analysis Reports


Inspection Summary


Project Information	
Job Number	17782
Project Name	Skagit County Marblemount Bridge Rehab
Project Address:	North Cascade HW 20 Marblemount-cascade River Road Bridge
Client:	David Evans & Associates, Inc.
Date of Survey:	19-Oct-2023
PacRim Technician:	Tyler Sadler
Limitations:	Sampling is limited to materials accessible and safe to the technician
Exterior Photo:	
Turnaround Requested:	3-5 Days
Special Instructions for Lab:	PLM Method: Appendix E to Subpart E of 40 CFR Part 763 and Method EPA/600/R-93/116

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	1	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, east end on railing		
Quantity	TBD	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	2	Homogenous Material Number	2
Material Description	Expansion Joint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, east end between concrete deck joint		
Quantity	300	Unit of Measure	Lineal Feet
Asbestos Type/%	None Detected **		
Sample Photo			


***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	03	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, east end on diagonal bracing		
Quantity	6,000	Unit of Measure	Square Feet
Asbestos Type/%	None Detected		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	04	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, east end from deck		
Quantity	13,000	Unit of Measure	Square Feet
Asbestos Type/%	None Detected **		
Sample Photo			


***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	5	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side from brodge deck		
Quantity	12,000	Unit of Measure	Square Feet
Asbestos Type/%	None Detected **		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	6	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - center area on bridge deck		
Quantity	See sample #5	Unit of Measure	
Asbestos Type/%	None Detected **	TEM Analysis	Total Asbestos: Tremolite 0.41%
Sample Photo			


**Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	07	Homogenous Material Number	2
Material Description	Expansion Joint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - center area between bridge deck		
Quantity	See sample #2	Unit of Measure	
Asbestos Type/%	None Detected **		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	08	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - center area, north end on railing		
Quantity	See sample #3	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	09	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - center area, south side on vertical brace		
Quantity	See sample #3	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	10	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, west end on railing		
Quantity	See sample #3	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	11	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - north side, west end on diagonal bracing		
Quantity	See sample #3	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	12	Homogenous Material Number	1
Material Description	Exterior Paint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, west end on diagonal bracing		
Quantity	See sample #3	Unit of Measure	
Asbestos Type/%	None Detected		
Sample Photo			


***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	13	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - west end on bridge deck		
Quantity	See sample #4	Unit of Measure	
Asbestos Type/%	None Detected (Both Layers) **		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	14	Homogenous Material Number	2
Material Description	Expansion Joint		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - west end between bridge deck panels		
Quantity	See sample #2	Unit of Measure	
Asbestos Type/%	Layer 1: (Cementitious Residue) None Detected Layer 2: (Cementitious Material) Actinolite <1%		
Sample Photo			


***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	15	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - west end on bridge deck		
Quantity	See sample #4	Unit of Measure	
Asbestos Type/%	None Detected **		
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	16	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - south side, west end on curb		
Quantity	See sample #4	Unit of Measure	
Asbestos Type/%	Chrysotile <1%	TEM Analysis	Total Asbestos: Actinolite 0.40%
Sample Photo			


**Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Surfacing
Sample Number	17	Homogenous Material Number	3
Material Description	Concrete		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - Northside, west end on curb		
Quantity	See sample #4	Unit of Measure	
Asbestos Type/%	None Detected **		
Sample Photo			

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	18	Homogenous Material Number	4
Material Description	Grey sealant		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - east end at base of caution post		
Quantity	200	Unit of Measure	Square Feet
Asbestos Type/%	None Detected		
Sample Photo			

***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	19	Homogenous Material Number	4
Material Description	Grey sealant		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - center area at base of caution post		
Quantity	See sample #18	Unit of Measure	
Asbestos Type/%	None Detected (Both Layers)		
Sample Photo			

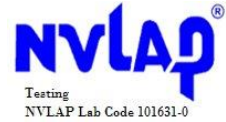
Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	Physical Sample	AHERA Category	Miscellaneous
Sample Number	20	Homogenous Material Number	4
Material Description	Grey sealant		
Homogenous Mtl Area	N/A		
Sample Location	Bridge - west end at base of caution post		
Quantity	See sample #17	Unit of Measure	
Asbestos Type/%	None Detected (Both Layers)		
Sample Photo			

***Homogeneous material with <1% Asbestos and must be treated as <1% Asbestos as well.*



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Page: 1 of 6

Customer Name: David Evans & Associates, Inc.
14432 SE Eastgate Way, Suite 400
Bellevue
WA 98007

PacRim Number: 17782
Report Number: 2023-10-0068
Date Received: 10/19/2023
Analysis Start Date: 10/23/2023
Analysis End Date: 10/31/2023
Turnaround Time: 3-5 Days
Report Date: 11/6/2023
Report By: William F. Golloway
Analyst(s): William F. Golloway

Customer Project Number: None Given
Project Name: Skagit County Marblemount Bridge Rehab
Project Address: North Cascade HW 20 Marblemount-Cascade Rover Road Bridge
Marblemount
WA

PO Number: None Given
Sample Date: 19-Oct-2023
Total Samples: 20

Samples Analyzed for this report

Beginning Laboratory ID Number: 2023-10-0068
Ending Laboratory ID Number: 2023-10-0087

Sample Set Number
2023-3535

The bulk samples submitted were analyzed for asbestos content using Polarized Light Microscopy (PLM). Analysis was performed in accordance with Appendix E to Subpart E of 40 CFR Part 763 and EPA/600/R93/116.

The test results pertain only to the samples submitted for analysis. Unless otherwise noted, the samples were inhomogeneous; subsamples of components were analyzed to achieve representative analysis. Separate layers of layered samples were analyzed and reported separately. Unless otherwise stated, asbestos content was quantified by calibrated visual estimation (CVES). CVES concentrations are reported in two to three percent ranges for fiber concentrations ranging from one to ten percent, and usually five percent ranges for concentrations greater than ten percent. Samples in which asbestos was not observed are reported as "None Detected".

Limitations and Uncertainty:

Factors such as sample quality, sample size, interfering matrix material, fiber size, and fiber concentration contribute to the uncertainty in asbestos concentration estimates in bulk materials. Relative errors exceeding 100% may occur in samples containing less than ten percent asbestos. Relative errors are typically below thirty percent in samples having greater than ten percent asbestos, and approach zero as asbestos concentrations approach 100%.

Asbestos fibers with diameters less than approximately 0.25 microns are not detectable by PLM. Fibers with larger diameters may not be visible if obscured by interfering matrix materials. These extremely fine fibers may occur in floor tiles, adhesives, products with cement binders, and other non-friable or semi-friable materials. This limitation can be overcome using alternative analytical methods, such as Transmission Electron Microscopy (TEM).

This report cannot be represented by the customer to claim product endorsement by the National Voluntary Accreditation Program (NVLAP), or any agency of the United States government. This report shall not be reproduced except in full without written permission from Pacific Rim Environmental, Inc. (PacRim).

NVLAP Accredited Lab #: 101631-0
Samples Submitted by: PacRim

Report

Reviewed by:

Approved Signatory



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Page: 2 of 6

Customer Name: David Evans & Associates, Inc.

Customer Project Number: None Given

Project Name: Skagit County Marblemount Bridge Rehab

Sample Date: 19-Oct-2023

Report Date: 11/6/2023

Report By: William F. Golloway

Sample Set Number

2023-3535

PacRim Number: 17782

Report Number: 2023-10-0068

Date Received: 10/19/2023

Analysis Start Date: 10/23/2023

Analysis End Date: 10/31/2023

Analyst(s): William F. Golloway

Field Sample Number: 01

Lab ID: 2023-10-0068

Field Sample Description:

Exterior Paint

Field Sample Location:

Bridge - south side, east
end on railing

Analyst: WFG

Analysis Date: 10/23/2023

Lab Sample Description

Orange, green, and grey,
inseparable paints

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Paint, Mineral Aggregate,
Binder, Metal

Field Sample Number: 02

Lab ID: 2023-10-0069

Field Sample Description:

Expansion Joint

Field Sample Location:

Bridge - south side, east
end between cnpcrete
deck joint

Analyst: WFG

Analysis Date: 10/23/2023

Lab Sample Description

Black, flexible material with
white and light brown surface
residue

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Binder, Mineral Aggregate

Field Sample Number: 03

Lab ID: 2023-10-0070

Field Sample Description:

Exterior Paint

Field Sample Location:

Bridge - south side, east
end on diagonal bracing

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description

Orange, green, and grey
inseparable paints

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Paint, Mineral Aggregate,
Binder

Field Sample Number: 04

Lab ID: 2023-10-0071

Field Sample Description:

Concrete

Field Sample Location:

Bridge - south side, east
end from deck

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description

Grey, cementitious material
with brown surface residue and
embedded fibers

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Mineral Aggregate, Binder

Field Sample Number: 05

Lab ID: 2023-10-0072

Field Sample Description:

Concrete

Field Sample Location:

Bridge - south side from
bridge deck

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description

Grey cementitious material

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Mineral Aggregate, Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Testing
NVLAP Lab Code 101631-0

Page: 3 of 6

Customer Name: David Evans & Associates, Inc.
Customer Project Number: None Given
Project Name: Skagit County Marblemount Bridge Rehab
Sample Date: 19-Oct-2023
Report Date: 11/6/2023
Report By: William F. Golloway

Sample Set Number
2023-3535

PacRim Number: 17782
Report Number: 2023-10-0068
Date Received: 10/19/2023
Analysis Start Date: 10/23/2023
Analysis End Date: 10/31/2023
Analyst(s): William F. Golloway

Field Sample Number: 06 Field Sample Description: Concrete Field Sample Location: Bridge - center area on bridge deck Analyst: WFG
Lab ID: 2023-10-0073 Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Grey, cementitious material	None Detected	Cellulose <1%	Mineral Aggregate, Binder

Field Sample Number: 07 Field Sample Description: Expansion Joint Field Sample Location: Bridge - center area between bridge deck Analyst: WFG
Lab ID: 2023-10-0074 Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Black, flexible material with grey, white, and brown surface residues	None Detected	Cellulose <1%	Binder, Mineral Aggregate

Field Sample Number: 08 Field Sample Description: Exterior Paint Field Sample Location: Bridge - center area, north end on railing Analyst: WFG
Lab ID: 2023-10-0075 Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Orange, green, and grey, brittle, inseparable paints	None Detected	Cellulose <1%	Paint, Mineral Aggregate, Binder

Field Sample Number: 09 Field Sample Description: Exterior Paint Field Sample Location: Bridge - center area, south on vertical brace Analyst: WFG
Lab ID: 2023-10-0076 Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Brown, orange, green, and grey, inseparable paints with grey, sandy surface residue	None Detected	Cellulose <1%	Paint, Mineral Aggregate, Binder

Field Sample Number: 10 Field Sample Description: Exterior Paint Field Sample Location: Bridge - south side, east end on railing Analyst: WFG
Lab ID: 2023-10-0077 Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Orange, green, and grey, brittle, inseparable paints	None Detected	Cellulose <1%	Paint, Mineral Aggregate, Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Testing
NVLAP Lab Code 101631-0

Page: 4 of 6

Customer Name: David Evans & Associates, Inc.

Customer Project Number: None Given

Project Name: Skagit County Marblemount Bridge Rehab

Sample Date: 19-Oct-2023

Report Date: 11/6/2023

Report By: William F. Golloway

PacRim Number: 17782

Report Number: 2023-10-0068

Date Received: 10/19/2023

Analysis Start Date: 10/23/2023

Analysis End Date: 10/31/2023

Analyst(s): William F. Golloway

Sample Set Number
2023-3535

Field Sample Number: 11

Lab ID: 2023-10-0078

Field Sample Description:

Exterior Paint

Field Sample Location:

Bridge - north side, east
end on diagonal bracing

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
------------------------	-----------------	---------------------	-----------------------

Orange, green, and grey,
inseparable, brittle paints with
grey-brown, sandy surface
residue

None Detected

Cellulose <1%
Fibrous Glass <1%

Paint, Mineral Aggregate,
Binder

Field Sample Number: 12

Lab ID: 2023-10-0079

Field Sample Description:

Exterior Paint

Field Sample Location:

Bridge - south side, east
end on diagonal bracing

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
------------------------	-----------------	---------------------	-----------------------

Orange, brown, green, and grey,
brittle, inseparable paints

None Detected

Cellulose <1%

Paint, Mineral Aggregate,
Binder

Field Sample Number: 13

Lab ID: 2023-10-0080

Field Sample Description:

Concrete

Field Sample Location:

Bridge - east end on
bridge deck

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
------------------------	-----------------	---------------------	-----------------------

Layer: 1 Black, flexible material

None Detected

Cellulose <1%

Binder, Mineral Aggregate

Layer: 2 Grey, cementitious material

None Detected

Cellulose <1%

Mineral Aggregate, Binder

Field Sample Number: 14

Lab ID: 2023-10-0081

Field Sample Description:

Expansion Joint

Field Sample Location:

Bridge - east end
between bridge deck
panels

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
------------------------	-----------------	---------------------	-----------------------

Layer: 1 Black, flexible material with
adhering, light grey,
cementitious residue

None Detected

No Other Fibers Detected

Binder, Mineral Aggregate

Layer: 2 Light grey cementitious material

Actinolite <1%

No Other Fibers Detected

Mineral Aggregate, Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Testing
NVLAP Lab Code 101631-0

Page: 5 of 6

Customer Name: David Evans & Associates, Inc.

Customer Project Number: None Given

Project Name: Skagit County Marblemount Bridge Rehab

Sample Date: 19-Oct-2023

Report Date: 11/6/2023

Report By: William F. Golloway

PacRim Number: 17782

Report Number: 2023-10-0068

Date Received: 10/19/2023

Analysis Start Date: 10/23/2023

Analysis End Date: 10/31/2023

Analyst(s): William F. Golloway

Sample Set Number
2023-3535

Field Sample Number: 15

Lab ID: 2023-10-0082

Field Sample Description:

Concrete

Field Sample Location:

Bridge - east end on
bridge deck

Analyst: WFG

Analysis Date: 10/24/2023

Lab Sample Description

Light grey, cementitious
material with brown surface
residue

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Mineral Aggregate, Binder

Field Sample Number: 16

Lab ID: 2023-10-0083

Field Sample Description:

Concrete

Field Sample Location:

Bridge - south side, east
end on curb

Analyst: WFG

Analysis Date: 10/31/2023

Lab Sample Description

Light grey, cementitious
material with light grey to light
brown, sandy surface residue

Asbestos Type/%

Chrysotile <1%

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Mineral Aggregate, Binder,
Wood

Field Sample Number: 17

Lab ID: 2023-10-0084

Field Sample Description:

Concrete

Field Sample Location:

Bridge - Northside, east
end on curb

Analyst: WFG

Analysis Date: 10/31/2023

Lab Sample Description

Light grey, cementitious
material with grey, fine-grained
and rust-like surface residues

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Mineral Aggregate, Binder

Field Sample Number: 18

Lab ID: 2023-10-0085

Field Sample Description:

Grey sealant

Field Sample Location:

Bridge - east end at base
of caution post

Analyst: WFG

Analysis Date: 10/31/2023

Lab Sample Description

Light grey, flexible, caulk-like
material with black surface
residue and adhering fibers

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Binder, Mineral Aggregate,
Glass Beads

Field Sample Number: 19

Lab ID: 2023-10-0086

Field Sample Description:

Grey sealant

Field Sample Location:

Bridge - center area at
base of caution post

Analyst: WFG

Analysis Date: 10/31/2023

Lab Sample Description

Layer: 1 Grey, brittle, caulk-like material

Asbestos Type/%

None Detected

Non-Asbestos Fibers

Cellulose <1%

Non-Fibrous Materials

Binder, Mineral Aggregate

Layer: 2 Black, pliable tar-like material

None Detected

Cellulose <1%

Tar, Mineral Aggregate,
Binder



Pacific Rim Environmental Inc.

Bulk Sample Analysis Report



Page: 6 of 6

Customer Name: David Evans & Associates, Inc.

Customer Project Number: None Given

Project Name: Skagit County Marblemount Bridge Rehab

Sample Date: 19-Oct-2023

Report Date: 11/6/2023

Report By: William F. Golloway

Sample Set Number
2023-3535

PacRim Number: 17782

Report Number: 2023-10-0068

Date Received: 10/19/2023

Analysis Start Date: 10/23/2023

Analysis End Date: 10/31/2023

Analyst(s): William F. Golloway

Field Sample Number: 20

Lab ID: 2023-10-0087

Field Sample Description:

Grey sealant

Field Sample Location:

Bridge - west end at base
of caution post

Analyst: WFG

Analysis Date: 10/31/2023

	Lab Sample Description	Asbestos Type/%	Non-Asbestos Fibers	Non-Fibrous Materials
Layer: 1	Grey, brittle, caulk-like material	None Detected	Cellulose <1%	Binder, Mineral Aggregate
Layer: 2	Light grey, cementitious material with black, tar-like residue	None Detected	Cellulose <1%	Mineral Aggregate, Binder

EPA 600-R-93-116 - TEM - Bulk Semi-Quantitative Final Report

Job Number: 231000

Client: Pacific Rim Environmental

Address: 6510 Southcenter Blvd

Suite 40

Tukwila, WA 98188

Project Name: TEM QC of Concrete

Project No.: 17782

PO Number:

Sub Project:

Reference No.:

Report Number: 231000R01

Report Date: 11/3/2023

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
231000 - S1	6	EPA 600-R-93-116 - TEM - Bulk Semi-Quantitative		10/19/2023	11/1/2023
231000 - S2	16	EPA 600-R-93-116 - TEM - Bulk Semi-Quantitative		10/19/2023	11/1/2023

EPA 600-R-93-116 - TEM - Bulk Semi-Quantitative Preparation of the above sample was conducted in accordance with the EPA protocol EPA/600/R 93/116 for the identification of regulated asbestiform minerals in bulk building materials. The Semi-Quantitative designation applies to the TEM analysis; the asbestos weight percent is calculated from the visual asbestos percentage observed during analysis at both high and low magnifications on the transmission electron microscope (TEM).

Briefly, each sample was taken from at least three randomly selected areas. The sample was then weighed (Original Sample Weight) on an analytical balance (0.01 milligram sensitivity), ashed in a muffle furnace to remove the organic component, and weighed (Particulate After Ash). After a brief dissolution in concentrated hydrochloric acid, the suspension was immediately diluted in 20 ml of laboratory reagent water. The suspension was then filtered onto a dry, pre weighed 0.1 micron polycarbonate (PC) filter and a series of 0.22 micron mixed cellulose ester (MCE) filter. After drying, the filter was weighed again (Hydrolysis Adjusted Weight). The sample was coated with a thin film of carbon in a vacuum evaporator. After dissolution of the filter debris in N,N-dimethylformamide and acetone, the sample was placed on a 200 mesh copper TEM grid and examined by TEM microscopy.

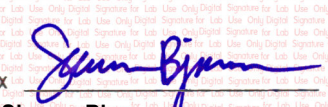
After confirmation of the principal mineral type by diffraction and EDS chemistry, a visual estimate of the concentration of asbestiform regulated minerals relative to the non-asbestos was determined. Fibers with an aspect ratio of at least 3:1 with proper diffraction and chemistry were counted as regulated asbestiform mineral types. "Trace" is reported for those samples whose percent asbestos is below 1.0%.

This test report relates only to the items tested in this report. The scope of this analysis is to differentiate purified regulated asbestiform minerals that have been added to bulk building materials. Each sample was treated as a homogenous sample unless a unique layer was indicated by the customer. If requested, the sample list above will indicate the layer analyzed. Samples such as soils, sediments or raw ores may require further mineralogical analysis to differentiate mineral species. Interpretation of these results is the sole responsibility of the client. Results are subject to the variation in the layers of the sample, the accuracy of the balance, the visual estimate on the microscope as well as other variations within the procedure.

Disclaimer The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,


Shauna Bjornson
Eurofins - LabCor Seattle

EPA 600-R-93-116 - TEM - Bulk Semi-Quantitative - Final Report

Job Number: 231000 SEA
Client: Pacific Rim Environmental
Project Name: TEM QC of Concrete

Report Number: 231000R01
Date Received: 11/1/2023

Eurofins Sample No.: S1
Client Sample No.: 6

Analyst(s)	Analysis Date	Microscope	Magnification
SB	11/3/2023	JEOL-Sr 1200	20000

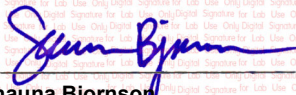
Analyte Description	Weight Percent	Gravimetric Reduction	Weight Percent
Tremolite	0.41%	Acid Solubles	14.59%
Total Asbestos Percent	0.41%	Organics	3.72%
		Residue	81.28%
		Total Other Non-Asbestos Percent	99.59%

Eurofins Sample No.: S2
Client Sample No.: 16

Analyst(s)	Analysis Date	Microscope	Magnification
SB	11/3/2023	JEOL-Sr 1200	20000

Analyte Description	Weight Percent	Gravimetric Reduction	Weight Percent
Actinolite	0.40%	Acid Solubles	7.35%
Total Asbestos Percent	0.40%	Organics	3.15%
		Residue	89.09%
		Total Other Non-Asbestos Percent	99.60%

Reviewed by:


Shauna Bjornson
Eurofins - LabCor Seattle

**EPA 600-R-93-116 - TEM - Bulk Semi-Quantitative -
Final Report**

Job Number: 231000 SEA
Client: Pacific Rim Environmental
Project Name: TEM QC of Concrete

Report Number: 231000R01
Date Received: 11/1/2023

Eurofins Sample No: S1

Client Sample No: 6

Container Weight	13.05741 g	Hydrolysis Filter PreWeight	13.09529 g
Weight Before Ash	13.14961 g	Filter Post Hydrolysis	13.16835 g
Orig Sample Weight	0.09220 g	After Hydrolysis Weight	0.07306 g
Weight After Ash	13.14618 g	Hydrolysis Aliquot	19.4 ml
Particulate After Ash	0.08877 g	Hydrolysis Adjusted Weight	0.07532 g
Percent Organics	3.72%	Begin Volume	20 ml
		Acid Solubles	14.59%

Grid	Analyte	Visual Estimate	Elements	Comment		
G3	Tremolite	0.50%	Mg, Si, Ca, Fe			
			Item Type	Item Num	Confirmed	Comment
			Brightfield	J71466BF		
			Diffraction	J71466DF	SB 11/3/2023	0.53nm ROW SPACING
			Spectra	J71466SP	SB 11/3/2023	
G4	Tremolite	0.50%				

Eurofins Sample No: S2

Client Sample No: 16

Container Weight	13.12238 g	Hydrolysis Filter PreWeight	13.15952 g
Weight Before Ash	13.22318 g	Filter Post Hydrolysis	13.24702 g
Orig Sample Weight	0.10080 g	After Hydrolysis Weight	0.08750 g
Weight After Ash	13.22000 g	Hydrolysis Aliquot	19.4 ml
Particulate After Ash	0.09762 g	Hydrolysis Adjusted Weight	0.09021 g
Percent Organics	3.15%	Begin Volume	20 ml
		Acid Solubles	7.35%

Grid	Analyte	Visual Estimate	Elements	Comment		
G5	Actinolite	0.40%	Mg, Si, Ca, Fe			
			Item Type	Item Num	Confirmed	Comment
			Brightfield	J71467BF		
			Diffraction	J71467DF	SB 11/3/2023	0.53nm ROW SPACING
			Spectra	J71467SP	SB 11/3/2023	
G6	Actinolite	0.50%				

Reviewed by:

Shauna Bjornson
X

Shauna Bjornson
Eurofins - LabCor Seattle

Appendix C: WA State Guidelines for Less than 1% Asbestos Material



Summary of regulatory requirements for materials containing less than 1% asbestos:

Environmental Protection Agency

If less than 1% the EPA does not regulate it as an asbestos-containing material.

Washington State Department of Labor and Industries

If less than 1% WA State does not regulate it as an asbestos-containing material but has the following requirements.

Air Monitoring

Exposure Monitoring (NEA) - yes

Pre-abatement monitoring – unclear*

Post abatement monitoring – unclear*

Work Practices and working Area Control

Regulated area required – yes

Change area require – yes

Warning signs required – yes

Universal controls required – yes

- Wet Methods
- HEPA vacuums
- Prompt Disposal

Leak tight containers required – yes

Personal Protective Equipment

Respirator protection – yes, ½ mask APR with HEPA filters required until air monitoring results determine exposure below PELs

Medical surveillance required – yes, if negative pressure APR is used

Other personal protective equipment (i.e. Tyvek suits or similar) – yes, required until air monitoring results determine exposure below PELs

Communication of Hazard

Warning labels on in-place materials required – no

Warning labels on disposal containers – no

Training 2-hour awareness, hazard communication (specific to situation)

Competent Person required – yes

- Training – unclear how much training is required*
- Must have knowledge and authority

Things that are not required:

Labeled bags

Worker or supervisor certification

No pre-demolition removal requirement

No notification to L&I or PSCA

**=WA State Regulations do not clearly dictate requirements in these areas.*

Pacific Rim Environmental, Inc.

6510 Southcenter Blvd, Ste. #40
Seattle, WA 98188

(206) 244-8965
www.pacrimenv.com


Appendix D: Lead-Based Paint (XRF) Data Sheets & XRF Performance Characteristic Sheet


Lead-Based Paint (XRF) Data Sheet


Client:	David Evans & Associates, Inc.	XRF Serial #:	01183
Project:	Skagit County Marblemount Bridge Rehab	Inspection Date:	19-Oct-2023
Project Address:	North Cascade HW 20 Marblemount-Cascade River Road Bridge	Inspection By:	Tyler Sadler
Reviewed by:	Lindsey Lewis	Pacrim Job#	17782


Sample #	Calibration	Substrate	Component/Side	Description/Location	Color	Pb mg/cm ²
1	Yes			System calibration		1.14
2	Yes			System calibration		1.19
3	Yes			System calibration		1.19
4	Yes			System calibration		1.17
5		Metal	Vertical brace	Bridge - east end	Green	1.31
6		Metal	Sway brace	Bridge - east end	Green	1.90
7		Metal	Diagonal bracing	Bridge - east end	Green	0
8		Metal	Railing	Bridge - east end	Green	0
9		Metal	Diagonal bracing	Bridge - west end	Green	0.75
10		Metal	Vertical brace	Bridge - west end	Green	3.53
11		Metal	Railing	Bridge - west end	Green	1.32
12		Metal	Railing crossbar	Bridge - west end	Green	0
13		Metal	Brace rivet	Bridge - west end	Green	0
14		Metal	Railing rivet	Bridge - west end	Green	0
15		Concrete	Lane stripe	Bridge - west end	White	0
16	Yes			System calibration		1.23
17	Yes			System calibration		1.18
18	Yes			System calibration		1.13
19	Yes			System calibration		1.18


Lead Inspection Summary

Project Information	
Job Number:	17782
Project Name:	Skagit County Marblemount Bridge Rehab
Project Address:	North Cascade HW 20 Marblemount-cascade Rover Road Bridge
Client:	David Evans & Associates, Inc.
Date of Survey:	19-Oct-2023
PacRim Technician:	Tyler Sadler
XRF ID#:	01183
Technician signature	

Samples	
Sample Number	5
Calibration	No
Substrate Description	Metal
Component	Vertical brace
Color	Green
Sample Location	Bridge - east end
XRF Reading (Mg/cm2 lead)	1.31
Result	Positive
Sample Photo	

Samples	
Sample Number	6
Calibration	No
Substrate Description	Metal
Component	Sway brace
Color	Green
Sample Location	Bridge - east end
XRF Reading (Mg/cm2 lead)	1.90
Result	Positive
Sample Photo	

Samples	
Sample Number	10
Calibration	No
Substrate Description	Metal
Component	Vertical brace
Color	Green
Sample Location	Bridge - west end
XRF Reading (Mg/cm2 lead)	3.53
Result	Positive
Sample Photo	

Samples	
Sample Number	11
Calibration	No
Substrate Description	Metal
Component	Railing
Color	Green
Sample Location	Bridge - west end
XRF Reading (Mg/cm2 lead)	1.32
Result	Positive
Sample Photo	

Performance Characteristic Sheet

EFFECTIVE DATE: February 1, 2022

MANUFACTURER AND MODEL:

Make: **SciAps**
 Models: **Model X-550**
 X-Ray Source: **Rhodium (Rh) or Gold (Au) Anode**

FIELD OPERATION GUIDANCE

ACTION LEVEL SETTING IN THE INSTRUMENT: 1.0 mg/cm²

NOTE: This PCS is not applicable at other Action Level settings; the Action Level setting of the instrument must be 1.0 mg/cm² to use this PCS.

OPERATING PARAMETERS:

Timed mode: fixed 10-second reading.

Quick mode: variable-time reading (approximately 2-6 seconds).

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive) on NIST SRM 2579 (1.02 mg/cm²)/NIST SRM 2573, or equivalent

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

Rh Anode (Timed or Quick) READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	0.5
	Concrete	0.5
	Drywall	0.5
	Metal	0.5
	Plaster	0.5
	Wood	0.5
Au Anode (Timed or Quick) READING DESCRIPTION	SUBSTRATE	INCONCLUSIVE RANGE (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	(0.4-0.6)
	Concrete	(0.4-0.6)
	Drywall	(0.4-0.6)
	Metal	(0.4-0.6)
	Plaster	(0.4-0.6)
	Wood	(0.4-0.6)

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, 2012 Edition ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in February 2022, with two separate instruments of each Anode type, operated in both Timed and Quick modes.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film; for NIST SRM 2579a, use film 2573 (1.04 mg/cm²)).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. In single-family and multifamily housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this

procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

The reading time in Archive tests was 10 seconds in Timed mode and from 2-6 seconds in Quick mode, for both the Rh Anode and Au Anode.

CLASSIFICATION OF RESULTS:

XRF results for the Rh Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.5 mg/cm² and **negative** if they are **less than** 0.5 mg/cm².


XRF results for the Au Anode in Timed or Quick mode are classified as **positive** if they are **greater than or equal** to 0.6 mg/cm², **negative** if they are **less than or equal** to 0.4 mg/cm² and **inconclusive** if they are **greater** than 0.4 mg/cm² **AND less than** 0.6 mg/cm².


DOCUMENTATION:


A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to develop Performance Characteristic Sheets at the Federal standard (Action Level) of 1.0 mg/cm² and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at <http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997>. The methodology was subsequently generalized by QuanTech for application to other Action Levels.

Appendix E: RCRA 8 Metals Inspection Summary

Inspection Summary


Project Information	
Job Number	17782
Project Name	Skagit County Marblemount Bridge Rehab
Project Address:	North Cascade HW 20 Marblemount-cascade Rover Road Bridge
Client:	David Evans & Associates, Inc.
Date of Survey:	19-Oct-2023
PacRim Technician:	Tyler Sadler
Exterior Photo:	
Turnaround Requested:	3-5 Days


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	RCRA 8 Total Metals		
Sample Number	RCRA-01		
Material Description	Concrete		
Sample Location	Bridge - south side, east end from bridge deck		
RCRA 8 Result	Heavy Metal	RCRA-01 Bridge Deck	
	Arsenic	1.22	
	Barium	23.0	
	Cadmium	<1	
	Chromium	18.1	
	Lead	1.13	
	Mercury	<1	
	Selenium	<1	
	Silver	<1	
Sample Photo			


Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Type	RCRA 8 Total Metals		
Sample Number	RCRA-2		
Material Description	Exterior paint		
Sample Location	Bridge - east end on railing		
RCRA 8 Result	Heavy Metal	RCRA-02 Bridge Railing	
	Arsenic	9.10	
	Barium	438	
	Cadmium	<2	
	Chromium	196	
	Lead	21,800	
	Mercury	<2	
	Selenium	<10	
	Silver	<2	
Sample Photo			

Appendix F: Polychlorinated Biphenyls Inspection Summary

Inspection Summary

Project Information	
Job Number	17782
Project Name	Skagit County Marblemount Bridge Rehab
Project Address:	North Cascade HW 20 Marblemount-cascade Rover Road Bridge
Client:	David Evans & Associates, Inc.
Date of Survey:	19-Oct-2023
PacRim Technician:	Tyler Sadler
Exterior Photo:	
Turnaround Requested:	3-5 Days

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Date	19-Oct-2023		
Sample Type	Solid		
Sample Number	PCB-01		
Material Description	Expansion joint		
Sample Location	Bridge - south side, east end between concrete deck panels		
Quantity	500	Unit of Measure	Lineal Feet
PCB Result	<0.45		
Sample Photo			

Sample			
Project Name	Skagit County Marblemount Bridge Rehab		
Sample Date	19-Oct-2023		
Sample Type	Solid		
Sample Number	PCB-02		
Material Description	Exterior paint		
Sample Location	Bridge - south side, from horizontal brace		
Quantity	4,000	Unit of Measure	Square Feet
PCB Result	<0.15		
Sample Photo			

Appendix G: RCRA 8 Metals Lab Analysis Report & PCB Lab Analysis Report

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 27, 2023

Tyler Sadler, Project Manager
Pacific Rim Environmental
6510 Southcenter Blvd., Suite 40
Seattle, WA 98188

Dear Mr Sadler:

Included are the results from the testing of material submitted on October 19, 2023 from the 17782-Marblemount Bridge, F&BI 310367 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Pacific Rim A/P (PRM), Mark Hohn
PRM1027R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 19, 2023 by Friedman & Bruya, Inc. from the Pacific Rim Environmental 17782-Marblemount Bridge, F&BI 310367 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Pacific Rim Environmental</u>
310367 -01	RCRA-1
310367 -02	RCRA-2
310367 -03	PCB-1
310367 -04	PCB-2

Several metals in the 6020B matrix spike and matrix spike duplicate failed the acceptance criteria. The laboratory control sample passed the acceptance criteria, therefore the results were due to matrix effect.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	RCRA-1	Client:	Pacific Rim Environmental
Date Received:	10/19/23	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	310367-01
Date Analyzed:	10/23/23	Data File:	310367-01.160
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	1.22
Barium	23.0
Cadmium	<1
Chromium	18.1
Lead	1.13
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	RCRA-2	Client:	Pacific Rim Environmental
Date Received:	10/19/23	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	310367-02 x2
Date Analyzed:	10/24/23	Data File:	310367-02 x2.078
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	9.10
Barium	438
Cadmium	<2
Chromium	196
Mercury	<2
Silver	<2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	RCRA-2	Client:	Pacific Rim Environmental
Date Received:	10/19/23	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	310367-02 x10
Date Analyzed:	10/25/23	Data File:	310367-02 x10.044
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Selenium	<10
----------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	RCRA-2	Client:	Pacific Rim Environmental
Date Received:	10/19/23	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	310367-02 x1000
Date Analyzed:	10/24/23	Data File:	310367-02 x1000.051
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	21,800
------	--------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Pacific Rim Environmental
Date Received:	Not Applicable	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	I3-837 mb
Date Analyzed:	10/23/23	Data File:	I3-837 mb.035
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/kg (ppm)	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	PCB-1	Client:	Pacific Rim Environmental
Date Received:	10/19/23	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	310367-03 1/650
Date Analyzed:	10/23/23	Data File:	102316.D
Matrix:	Soil/Solid	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	98 d	11	162
Decachlorobiphenyl	83 d	11	152

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.45
Aroclor 1232	<0.45
Aroclor 1016	<0.45
Aroclor 1242	<0.45
Aroclor 1248	<0.45
Aroclor 1254	<0.45
Aroclor 1260	<0.45
Aroclor 1262	<0.45
Aroclor 1268	<0.45

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	PCB-2	Client:	Pacific Rim Environmental
Date Received:	10/19/23	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	310367-04 1/220
Date Analyzed:	10/23/23	Data File:	102318.D
Matrix:	Soil/Solid	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	90 d	11	162
Decachlorobiphenyl	88 d	11	152

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.15
Aroclor 1232	<0.15
Aroclor 1016	<0.15
Aroclor 1242	<0.15
Aroclor 1248	<0.15
Aroclor 1254	<0.15
Aroclor 1260	<0.15
Aroclor 1262	<0.15
Aroclor 1268	<0.15

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Pacific Rim Environmental
Date Received:	Not Applicable	Project:	17782-Marblemount Bridge
Date Extracted:	10/23/23	Lab ID:	03-2539 mb 1/30
Date Analyzed:	10/23/23	Data File:	102307.D
Matrix:	Soil/Solid	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MG

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Tetrachlorometaxylene	98	11	162
Decachlorobiphenyl	105	11	152

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02
Aroclor 1262	<0.02
Aroclor 1268	<0.02

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/27/23

Date Received: 10/19/23

Project: 17782-Marblemount Bridge, F&BI 310367

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL/SOLID SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 310399-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	1.22	86	79	75-125	8
Barium	mg/kg (ppm)	50	70.0	101 b	84 b	75-125	18 b
Cadmium	mg/kg (ppm)	10	<1	95	91	75-125	4
Chromium	mg/kg (ppm)	50	11.1	91 b	87 b	75-125	4 b
Lead	mg/kg (ppm)	50	2.41	77	72 vo	75-125	7
Mercury	mg/kg (ppm)	5	<1	74 vo	75	75-125	1
Selenium	mg/kg (ppm)	5	<1	88	83	75-125	6
Silver	mg/kg (ppm)	10	<1	91	88	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	90	80-120
Barium	mg/kg (ppm)	50	97	80-120
Cadmium	mg/kg (ppm)	10	100	80-120
Chromium	mg/kg (ppm)	50	114	80-120
Lead	mg/kg (ppm)	50	97	80-120
Mercury	mg/kg (ppm)	5	91	80-120
Selenium	mg/kg (ppm)	5	100	80-120
Silver	mg/kg (ppm)	10	98	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/27/23

Date Received: 10/19/23

Project: 17782-Marblemount Bridge, F&BI 310367

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
POLYCHLORINATED BIPHENYLS AS
AROCOR 1016/1260 BY EPA METHOD 8082A**

Laboratory Code: 310400-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Control Limits	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.25	<0.02	61	58	29-125	5
Aroclor 1260	mg/kg (ppm)	0.25	<0.02	67	69	12-177	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Aroclor 1016	mg/kg (ppm)	0.25	88	55-137
Aroclor 1260	mg/kg (ppm)	0.25	91	51-150

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

10/19/23 MI

of

Report To: Jack Rimm

Address 6510 Southcenter Blvd. Ste. 40

City, State, ZIP Seattle, WA 98188

Phone 206-244-8965 Email PRE@pacrimen.com

TURNAROUND TIME

☒ Standard turnaround

☐ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days



ANALYSES REQUESTED

[illegible]

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
	Tyler Sadler	Pac Rim Env.	10/19	15:35
Received by: 	ANY PHAN	FGG	10/19/23	13:35
Relinquished by:				
Received by:				

Appendix H: Inspectors & Laboratory Certifications

THE ASBESTOS INSTITUTE

Certifies that

Tyler Sadler

has attended and received instruction in the EPA approved course
AHERA Building Inspector Refresher

on

August 22, 2023

and successfully completed and passed the competency exam.

Certificate:
ON-4644-16886-082223

Date of Examination:

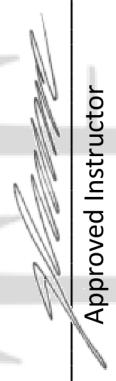
22-Aug-2023

Date of Expiration:

22-Aug-2024



William T. Cavness
Director


Approved Instructor

THE ASBESTOS INSTITUTE

20033 N. 19th Ave, Building 6, Phoenix, AZ 85027

602-864-6564 – www.theasbestosinstitute.com

The person receiving this certificate has completed the requisite training for asbestos accreditation under TSCA Title II.

STATE OF WASHINGTON

Department of Commerce
Lead-Based Paint Abatement Program

Tyler G Sadler

*Has fulfilled the certification requirements of
WAC 365-230
and has been certified to conduct lead-based
paint activities as a
Risk Assessor*

<u>Certification #</u>	<u>Issuance Date</u>	<u>Expiration Date</u>
6705	03/30/2021	03/26/2024

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600324-0

EMSL Analytical, Inc
Fife, WA

is accredited by the *National Voluntary Laboratory Accreditation Program* for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2023-04-01 through 2024-03-31

Effective Dates



A handwritten signature in blue ink, reading "Peter S. Laman".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc

5009 Pacific Highway East

Unit 19

Fife, WA 98424

Mr. Shannon Clegg

Phone: 253-208-3139

Email: sclegg@emsl.com

<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 600324-0

Bulk Asbestos Analysis

Code

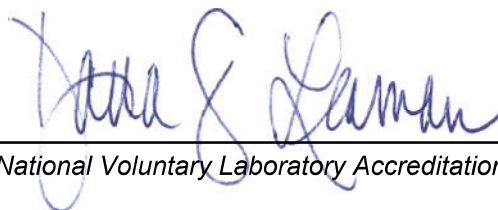
18/A01

Description

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program

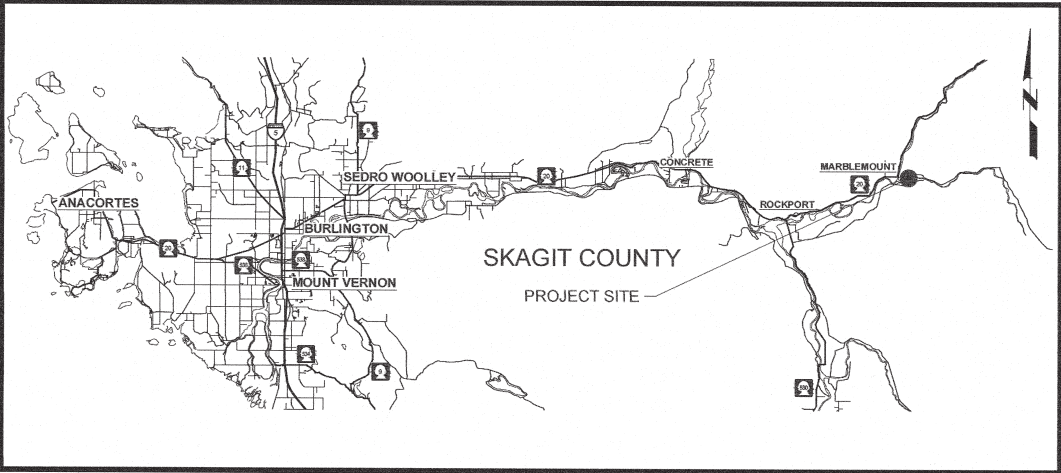
APPENDIX I

Vicinity Maps and Plans

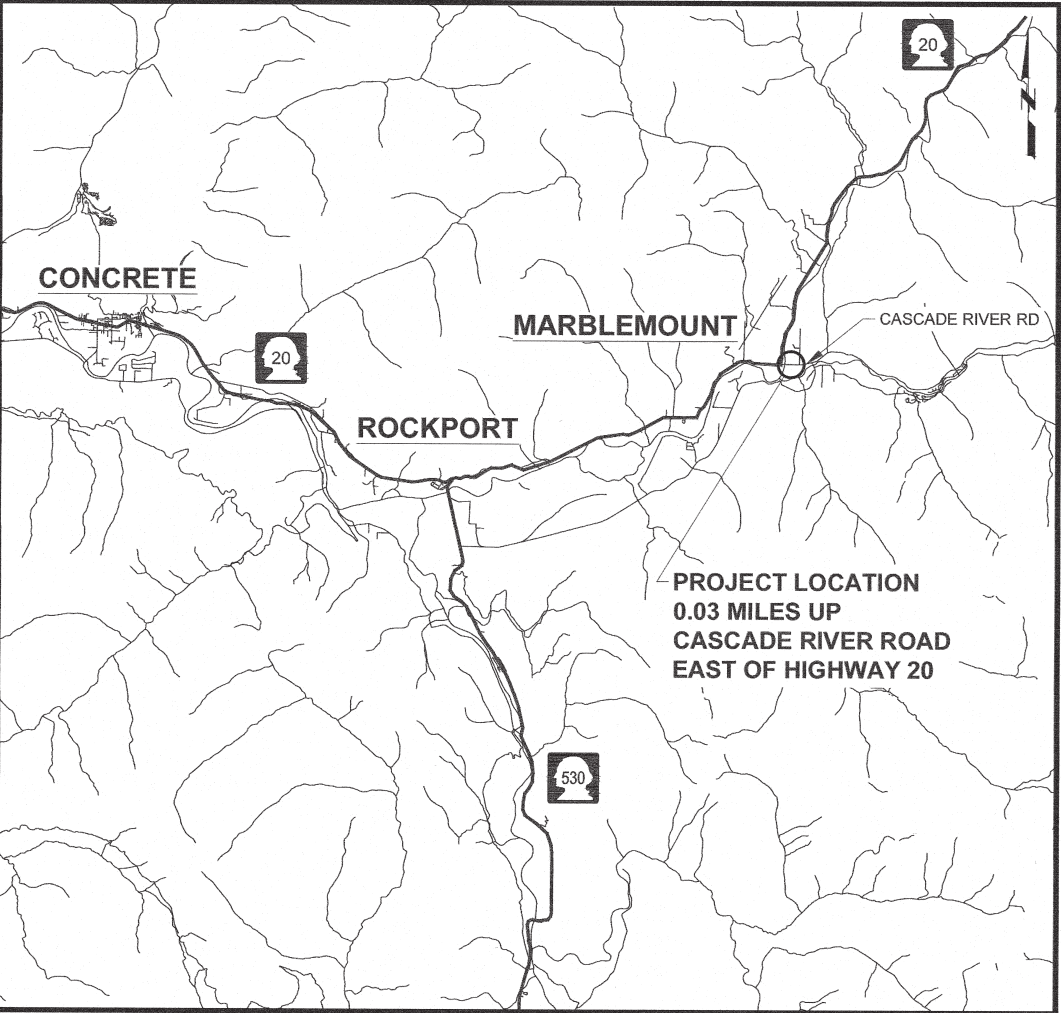
SKAGIT RIVER MARBLEMOUNT BRIDGE

ES40070-5

FEDERAL AID NO. BHOS-29CS(001)



AREA MAP
NTS



VICINITY MAP
NTS



SKAGIT COUNTY OFFICIALS

- BOARD OF COMMISSIONERS
- LISA JANICKI, CHAIR
 - RON WESEN, COMMISSIONER
 - PETER BROWNING, COMMISSIONER

APPROVED FOR CONSTRUCTION

THOMAS M. WELLER, P.E. ACTING COUNTY ENGINEER

02/20/2025
DATE

PLAN SHEET INDEX

Sheet Number	Sheet Title
1	COVER SHEET
2	LEGEND
3	TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
4	ALIGNMENT - ROADWAY
5	LAYOUT
6	GENERAL NOTES
7	CONTAINMENT LIMITS AND STAGING
8	CONTAINMENT TYPICAL SECTION
9	TRUSS RESTORATION DETAILS SPAN 2
10	TRUSS RESTORATION DETAILS SPAN 3
11	TRUSS RESTORATION DETAILS SPAN 3
12	TRUSS RESTORATION DETAILS SPAN 4
13	RIVET EVALUATION CRITERIA
14	TRUSS STRENGTHENING DETAILS 1
15	TRUSS STRENGTHENING DETAILS 2
16	TRUSS STRENGTHENING DETAILS 3
17	TRUSS STRENGTHENING DETAILS 4
18	TRUSS STRENGTHENING DETAILS 5
19	TRUSS STRENGTHENING DETAILS 6
20	TRUSS STRENGTHENING DETAILS 7
21	DECK PLAN
22	TYPICAL EXISTING BRIDGE DECK SECTIONS
23	CONCRETE DECK REPAIR DETAILS
24	BOTTOM FLOOR SYSTEM DETAILS - SPAN 2
25	BOTTOM FLOOR SYSTEM DETAILS - SPAN 3
26	BOTTOM FLOOR SYSTEM DETAILS - SPAN 4
27	DECK JOINT RESTORATION DETAILS
28	EXPANSION JOINT RESTORATION DETAILS
29	EXISTING DECORATIVE TRAFFIC BARRIER ON APPROACH SPANS
30	DECORATIVE TRAFFIC BARRIER REPLACEMENT DETAILS 1
31	DECORATIVE TRAFFIC BARRIER REPLACEMENT DETAILS 2
32	BRIDGE METAL BEAM RAIL DETAILS
33	TEMPORARY DETOUR PLAN
34	TEMPORARY DETOUR PLAN
35	TEMPORARY DETOUR PLAN



Know what's **below**
Call before you dig.
Determina lo que está **bajo tierra**
Llama antes de excavar.



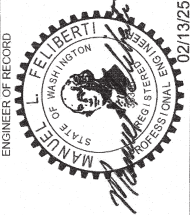
DAVID EVANS
AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

SURVEY NOTES:

HORIZONTAL DATUM: NAD83 WASHINGTON
STATE PLANE NORTH ZONE
VERTICAL DATUM: NAVD88

SKAGIT COUNTY
PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE



PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-29CS(001)
DESIGNED BY: PAW	DRAWN BY: PAW
CHECKED BY: MLF	APPROVED BY: MLF
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

SKAGIT RIVER MARBLEMOUNT
BRIDGE

COVER SHEET

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
1 OF 35

LINETYPES:















EXISTING FEATURES:

	ROAD CENTERLINE
	ASPHALT EDGE
	CONCRETE EDGE
	GRAVEL EDGE
	DITCH CENTERLINE
	DITCH TOP/TOE
	BRIDGE
	BUILDING FOOTING
	MAJOR CONTOUR
	MINOR CONTOUR
	PATH
	CULVERT
	FENCE
	GUARDRAIL
	BLOCK/CONCRETE WALL
	ROCK WALL
	JERSEY BARRIER

EXISTING UTILITIES:

— OTV —	— OTV —	OVERHEAD CABLE TV
— BTV —	— BTV —	BURIED CABLE TV
— OP —	— OP —	OVERHEAD POWER
— BP —	— BP —	BURIED POWER
— OF —	— OF —	OVERHEAD FIBER OPTIC
— BF —	— BF —	BURIED FIBER OPTIC
— G —	— G —	GAS
— IRR —	— IRR —	IRRIGATION
— O —	— O —	OIL
— OT —	— OT —	OVERHEAD TELEPHONE
— BT —	— BT —	BURIED TELEPHONE
— SS —	— SS —	SANITARY SEWER
— D —	— D —	DRAIN
— ST —	— ST —	STORM SEWER
— W —	— W —	WATER

PROPOSED FEATURES

	ALIGNMENT LINE
	MAJOR CONTOUR
	MINOR CONTOUR
	CULVERT
	FENCE
	GUARDRAIL
	JERSEY BARRIER
	PATH
	HIGH VISIBILITY FENCE
	SILT FENCE
	CLEARING AND GRUBBING LIMIT
	WATTLE
	BLOCK/CONCRETE WALL
	ROCK WALL

PROPOSED UTILITIES:

_____ OP _____	OP	OVERHEAD POWER
_____ BP _____	BP	BURIED POWER
_____ OT _____	OT	OVERHEAD TELEPHONE
_____ BT _____	BT	BURIED TELEPHONE
_____ D _____	D	DRAIN
_____ ST _____	ST	STORM SEWER
_____ W _____	W	WATER

SURVEY:

_____	SECTION LINE
_____	QUARTER SECTION LINE
_____	SIXTEENTH SECTION LINE
_____	PLAT LINE
_____	PARCEL LINE
.....	OWNERSHIP LINE
_____	SETBACK LINE
_____	RIGHT-OF-WAY LINE
_____	PROPOSED RIGHT-OF-WAY LINE
_____	RIGHT-OF-WAY LINE CENTERLINE
_____	PROPOSED RIGHT-OF-WAY LINE CENTERLINE
_____	RIGHT-OF-WAY LINE LIMITED ACCESS RIGHT
_____	RIGHT-OF-WAY LINE LIMITED ACCESS LEFT
_____	EASEMENT LINE
_____	PROPOSED EASEMENT LINE

HYDROLOGY:

CREEK EDGE
 CREEK CENTERLINE
 LAKE EDGE
 RIVER CENTERLINE
 SHORELINE
 ORDINARY HIGH WATER
 THALWEG
 RIVER/LAKE BUFFER
 WETLAND BUFFER
 WETLAND EDGE

VEGETATION:
















----- BRUSH LINE
 HEDGE/SHRUB
 TREE LINE

STRIPING

DOUBLE YELLOW CENTERLINE
DOTTED LINE
DROP LANE LINE
LANE/SKIP CENTERLINE
TWO WAY LEFT TURN LINE

SYMBOLS:


















EXISTING FEATURES:

	BOLLARD
	BORE HOLE
	HANDICAP STALL SYMBOL
	LIGHT STANDARD
	MAIL BOX
	PEDESTRIAN POLE
	POST
	RAILROAD SYMBOL
	RIP RAP
	ROCK
	SIGN
	SIGNAL BOX
	SIGNAL POLE
	SHRUB
	TREE















ABBREVIATIONS:

AC	ACRE
AP	ANGLE POINT
ASPH	ASPHALT
AVE	AVENUE
BLDG	BUILDING
BLVD	BOULEVARD
BRG	BEARING
BVC	BEGIN VERTICAL CURVE
CALC	CALCULATED
CAT	CATEGORY
CB	CATCH BASIN
CIP	CAST IRON PIPE
CFS	CUBIC FEET PER SECOND
CL & ϵ	CENTERLINE
CP	CONTROL POINT
CPCP	CORRUGATED POLYETHYLENE CULVERT PIPE
CPSSP	CORRUGATED POLYETHYLENE STORM SEWER PIPE
CONT'D	CONTINUED
CULV	CULVERT
CY	CUBIC YARD
DEG	DEGREE
DIA	DIAMETER
DWG	DRAWING
E	EAST/EASTING

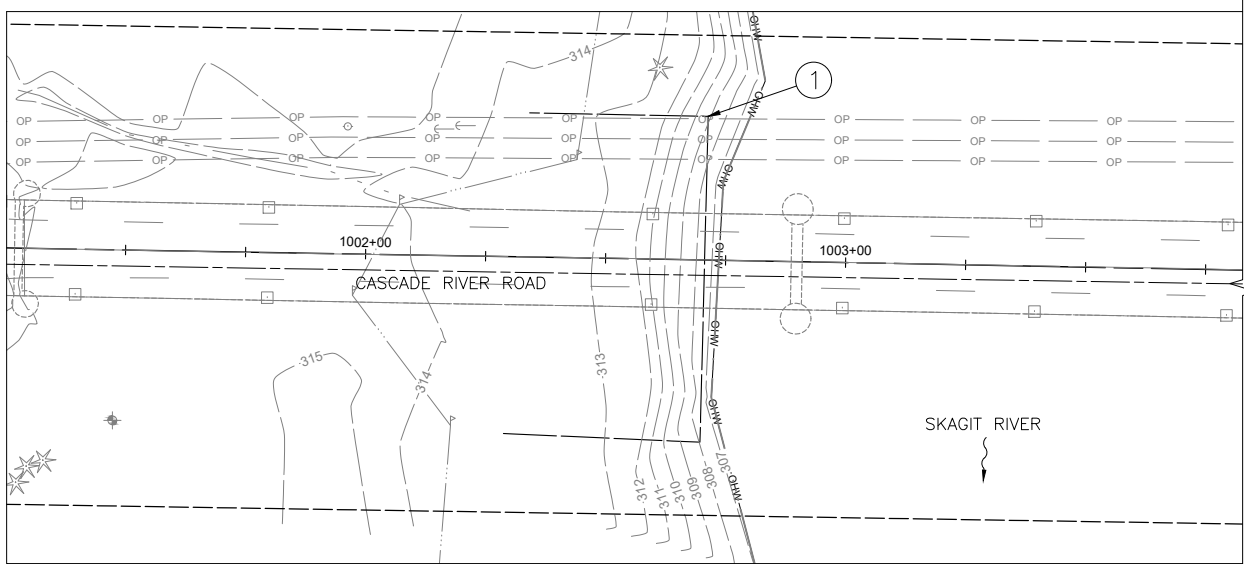
EXISTING SURVEY:

	CONTROL POINT
	BRASS CAP
	BENCH MARK
	GPS CONTROL POINT
	IRON PIPE
	IRON SPIKE
	LEAD & TACK
	MAG NAIL
	MONUMENT
	NAIL
	PK NAIL
	REBAR
	REBAR & CAP
	RIGHT-OF-WAY MARKER
	SKAGIT COUNTY ALUMINUM CAP
	SECTION CORNER
	QUARTER SECTION CORNER

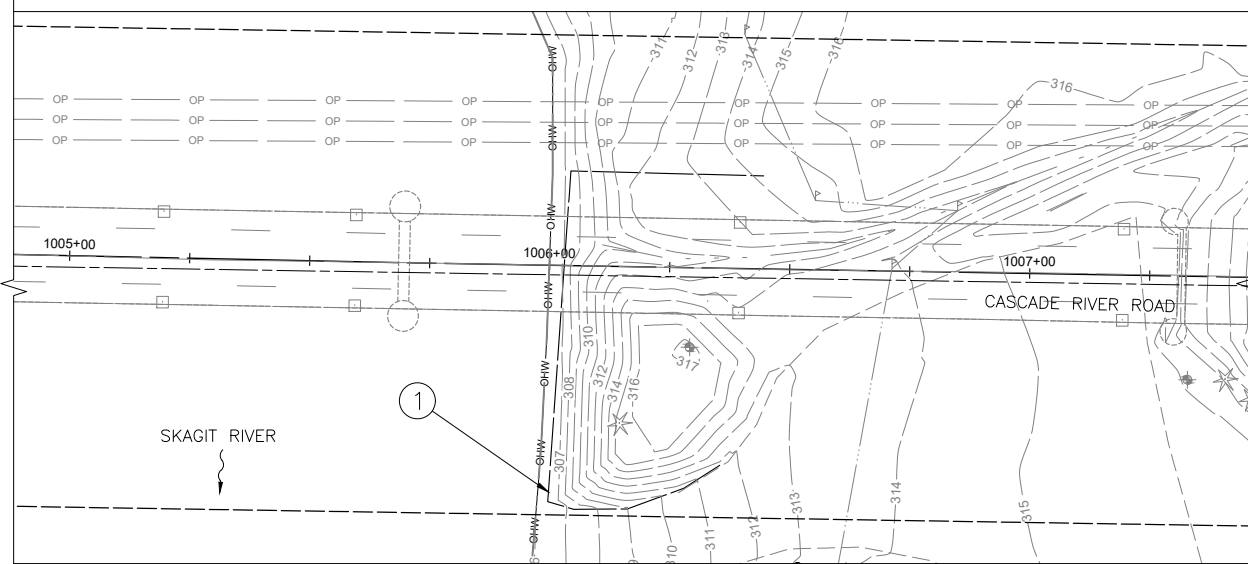
EXISTING UTILITIES:

	POWER POLE
	GUY POLE
	DOWN GUY ANCHOR
	POWER VAULT
	POWER RECEPTACLE
	GAS METER
	GAS VALVE
	GAS/PROPANE TANK
	TELEPHONE PEDESTAL
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	STORM SEWER MANHOLE
	CATCH BASIN
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	WELL

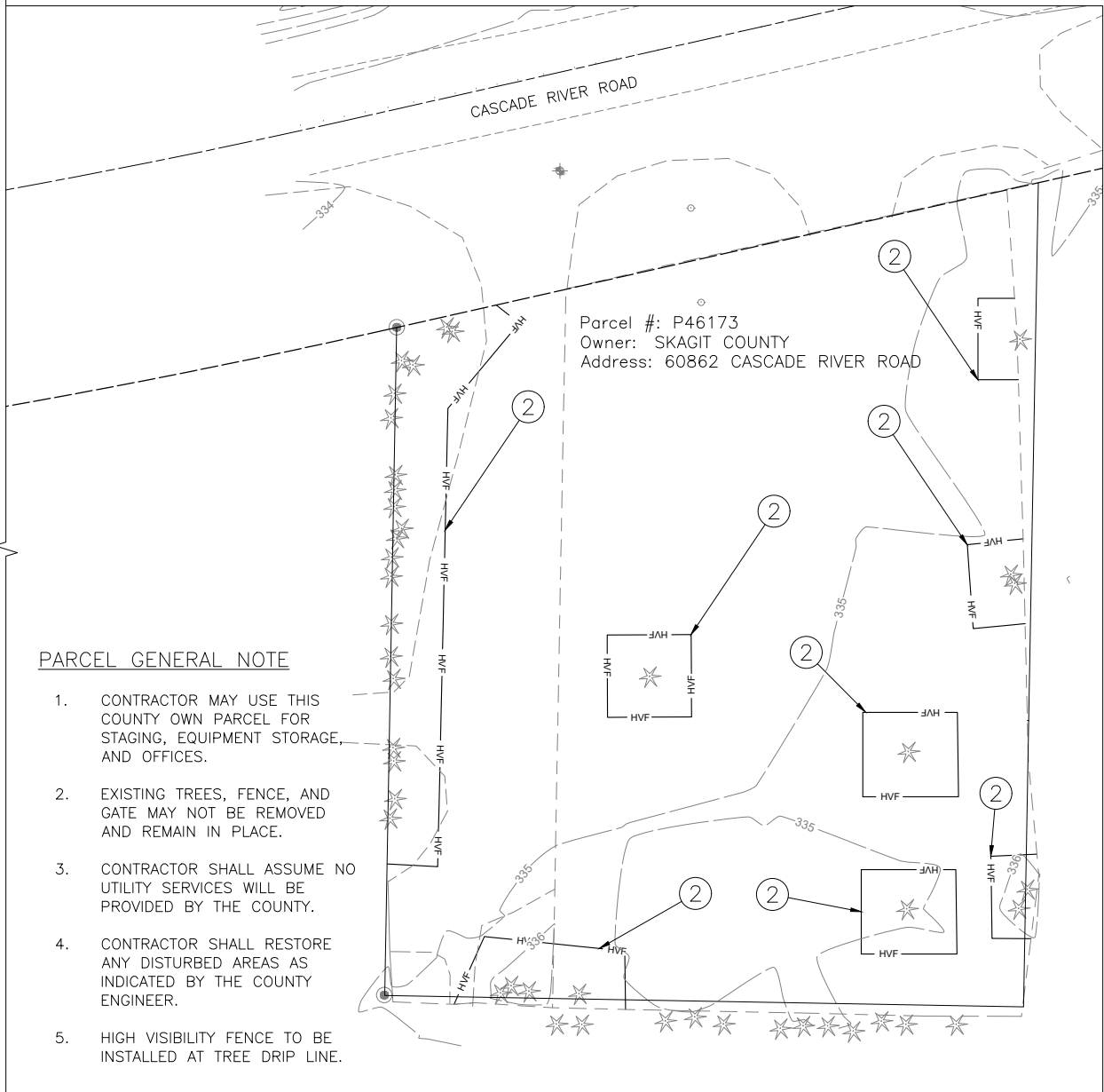
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WEST ABUTMENT



EAST ABUTMENT



PARCEL GENERAL NOTE

1. CONTRACTOR MAY USE THIS COUNTY OWN PARCEL FOR STAGING, EQUIPMENT STORAGE, AND OFFICES.
2. EXISTING TREES, FENCE, AND GATE MAY NOT BE REMOVED AND REMAIN IN PLACE.
3. CONTRACTOR SHALL ASSUME NO UTILITY SERVICES WILL BE PROVIDED BY THE COUNTY.
4. CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS AS INDICATED BY THE COUNTY ENGINEER.
5. HIGH VISIBILITY FENCE TO BE INSTALLED AT TREE DRIP LINE.

YARD

EROSION AND SEDIMENT CONTROL NOTES:

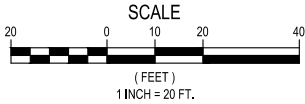
1. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATER, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
2. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS.
3. ALL CLEARING, GRUBBING, AND GRADING SHALL BE CONTAINED WITHIN THE LIMITS ESTABLISHED BY THE ENGINEER. ALL VEGETATION OUTSIDE DESIGNATED LIMITS SHALL REMAIN UNDISTURBED.
4. ALL STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND PROTECTED FROM EROSION BY MECHANICAL OR VEGETATIVE MEANS.
5. ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY SEEDING, MULCHING, MATTING, OR PLASTIC COVERING. FROM OCT. 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPT. 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS.
6. DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT REMOVAL BMP.
7. ALL POLLUTANTS OTHER THAN SEDIMENTS THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. PER CURRENT VERSION OF DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR PUGET SOUND BASIN.
8. SEDIMENTS TRANSPORTED ONTO A ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCIDENTAL TO THE VARIOUS BID ITEMS.
9. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITH HYDROSEED MIX AS APPROVED BY COUNTY ENGINEER.

CONSTRUCTION NOTES

- ① INSTALL SILT FENCE PER WSDOT STD PLAN I-30.15-02
- ② INSTALL HIGH VISIBILITY FENCE PER WSDOT STD PLAN I-10.10-01.

LEGEND

- SILT FENCE
- HVF — HIGH VISIBILITY FENCE



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SKAGIT COUNTY PUBLIC WORKS
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MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

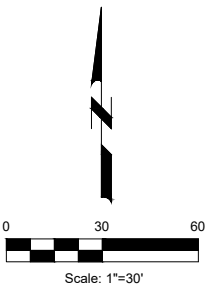
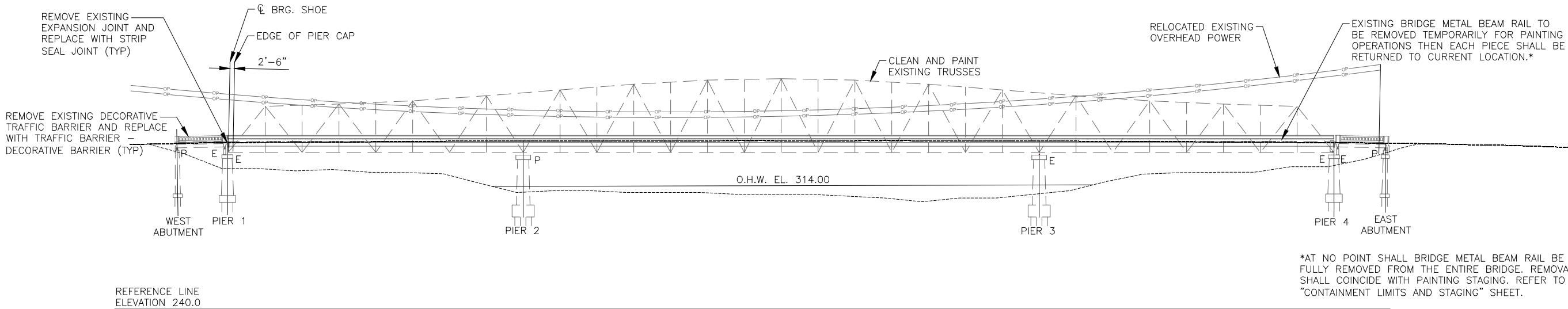
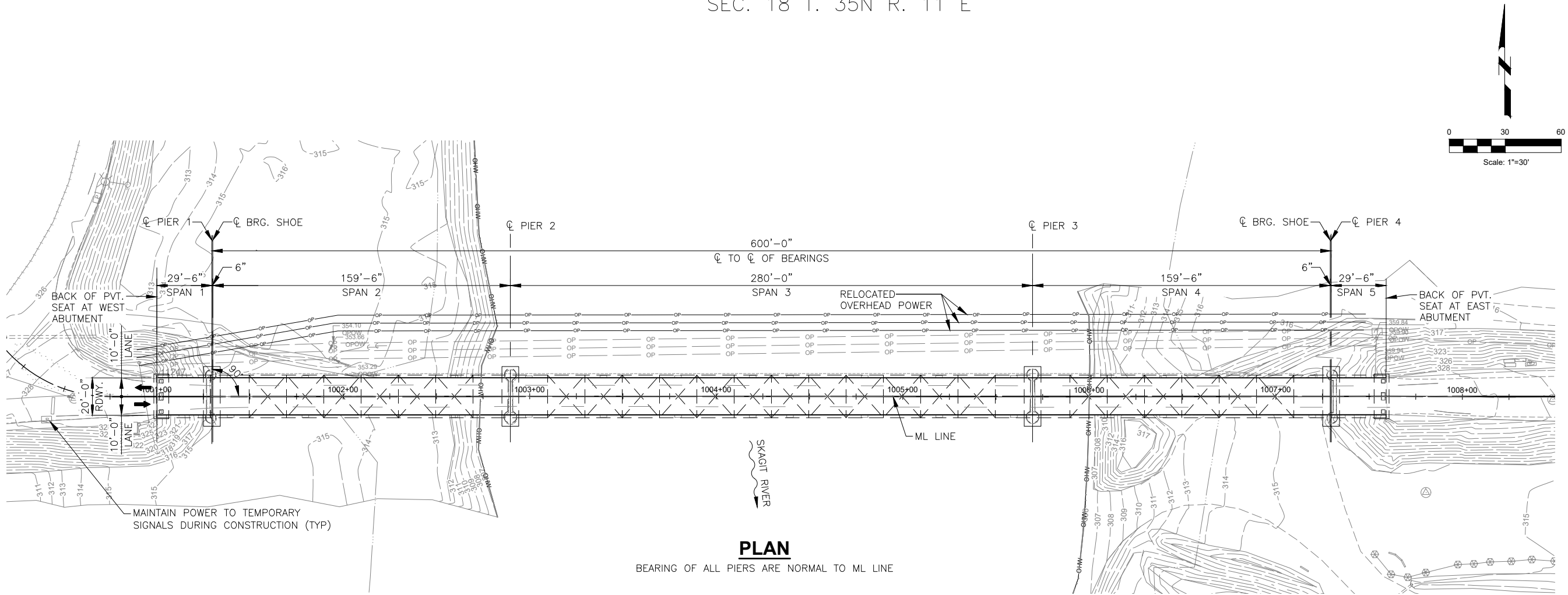


PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-28CS(001)
DESIGNED BY: PAW	DRAWN BY: PAW
CHECKED BY: MLF	APPROVED BY: MLF
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

SKAGIT RIVER MARBLEMOUNT BRIDGE
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
3 OF 35



SKAGIT COUNTY PUBLIC WORKS	
1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405	
ENGINEER OF RECORD	DESIGN ENGINEER
PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-28CS(001)
DESIGNED BY: CAWO	DRAWN BY: BJHE
CHECKED BY: CRAG	APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	
SKAGIT RIVER MARBLEMOUNT BRIDGE	
LAYOUT	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY	
SHEET 5 OF 35	

DAVID EVANS AND ASSOCIATES INC.
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Bellevue Washington 98007
Phone: 425.519.6500

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE REQUIREMENTS OF THE CURRENT OF WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
2. THE DIMENSIONS SHOWN IN THE PLANS ARE BASED ON AS-BUILT PLANS. ALL RELEVANT DETAILS AND DIMENSIONS SHALL BE FIELD MEASURED AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS, DEVELOPING SHOP PLANS, AND PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY POTENTIAL CONFLICTS BETWEEN FIELD MEASURED DIMENSIONS AND DETAILS SHOWN IN THE PLANS.
3. STEEL STRENGTHENING SHALL NOT BEGIN UNTIL SHOP DRAWINGS HAVE BEEN APPROVED BY THE ENGINEER.
4. REMOVED PAINT, DEBRIS AND SPENT ABRASIVE BLAST MEDIA SHALL BE COLLECTED AND REMOVED FROM THE BRIDGE DAILY, AT A MINIMUM, AND SHALL NOT EXCEED THE ALLOWED TEMPORARY CONSTRUCTION LOADS AT ANY TIME.
5. CONTAINMENT SHALL NOT BE INSTALLED OUTSIDE OF LIMITS SHOWN ON SHEET 7. STAGE 1A CONTAINMENT SHALL BE LIMITED UNTIL STRENGTHENING AT GUSSET PLATES L8/L22 AND L14/L16 AND AT TRUSS MEMBERS U7-L8/U23-L22 AND L8-U9/L22-U21 HAS BEEN COMPLETED. SEE SHEET 7, 14, 15, 17, 19 AND 20.
6. ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
7. UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2".
8. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE.
9. REINFORCING BARS SHALL CONFORM TO ASTM A706 GRADE 60 UNLESS OTHERWISE NOTED THE MINIMUM LAP SPlice FOR BLACK REINFORCING BARS SHALL BE AS SHOWN IN THE TABLE BELOW.

BAR SIZES:	#4	#5	#6	#7	#8
SPlice LENGTH (TOP BARS):	2'-0"	2'-7"	3'-1"	3'-7"	4'-1"
SPlice LENGTH (OTHERS):	1'-3"	2'-0"	2'-4"	2'-9"	3'-2"
SPlice LENGTH (EPOXY COATED):	5'-2"	6'-5"	7'-8"	8'-11"	10'-3"

THE ABOVE SPlice LENGTHS ARE FOR CLASS B SPlices WHERE $\lambda_{RC}=0.4$.
TOP BARS ARE HORIZONTAL BARS PLACES SUCH THAT MORE THAN 12" OF CONCRETE IS CAST BELOW REINFORCEMENT.

10. CARE SHALL BE TAKEN IN REMOVING CONCRETE FROM AROUND STRUCTURAL STEEL ELEMENTS AND REINFORCING STEEL TO PREVENT DAMAGE TO THE STEEL.

3. ALL STRUCTURAL STEEL SHALL BE STRUCTURAL LOW ALLOY STEEL AASHTO M270 GRADE 50 OR 50S UNLESS NOTED OTHERWISE, WITH THE APPROVAL OF THE ENGINEER. ROLLED ANGLES, CHANNELS AND BARS MAY CONFORM TO ASTM A572 GR 50 WITH SUPPLEMENTAL REQUIREMENT S5 - CHARPY V-NOTCH IMPACT TESTS WHEN CVN TESTING IS REQUIRED. CVN TESTING SHALL MEET SECTION 6-03.2.
2. ASTM A 1011 GR 50 MAY BE USED FOR FILLER PLATES LESS THAN ¼ INCH THICKNESS.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH ¾" HIGH STRENGTH BOLTS, WITH THE BOLT HEADS TOWARD THE OUTSIDE AND UNDERSIDE OF THE BRIDGE UNLESS OTHERWISE SHOWN IN THE PLANS. HIGH STRENGTH BOLTS SHALL BE GALVANIZED ASTM F3125 GRADE A325 TYPE 1, ¾ INCH DIAMETER, EXCEPT AS NOTED OTHERWISE. NUTS AND WASHERS SHALL CONFORM TO SECTION 9-06.5(3). THE MINIMUM CENTER-TO-CENTER DIMENSION SHALL BE 3" UNLESS SHOWN OTHERWISE. ALL CONNECTIONS SHOWN ARE FOR FIELD BOLTING UNLESS OTHERWISE SHOWN OR APPROVED IN THE SHOP PLANS.
4. ALL WELDING, IF ANY, SHALL BE DONE TO MINIMIZE DISTORTION. THE WELDING SEQUENCES AND PROCEDURES TO BE USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF WELDING.
5. MEMBERS MARKED (V) ARE MAIN LOAD CARRYING TENSILE MEMBERS OR TENSION COMPONENTS OF FLEXURAL MEMBERS AND SHALL MEET THE LONGITUDINAL CHARPY V-NOTCH TESTS AS DESCRIBED IN THE SECTION 6-03.2.
6. ALL STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SECTION 6-07, AND AS SUPPLEMENTED IN THE SPECIAL PROVISIONS. WHEN SPECIFIED, GALVANIZING SHALL BE IN ACCORDANCE WITH AASHTO M 111, M 232, ASTM F2329, OR ASTM B695 CLASS 55 AS APPLICABLE GALVANIZED BOLTS TO BE PAINTED SHALL BE PREPARED IN ACCORDANCE WITH SECTION 6-07.3(11)A.
7. ALL VACANT HOLES AND DEFECTIVE RIVETS REMAINING IN EXISTING MEMBERS SHALL BE TREATED IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS, SECTION 6-03.3(33). RIVET EVALUATION CRITERIA SHALL BE AS SHOWN ON SHEET 13.
8. ALL DIMENSIONS ARE HORIZONTAL AND VERTICAL UNLESS OTHERWISE SHOWN.
9. THE FOLLOWING MEMBERS OF COMPONENTS ARE CLASSIFIED AS ANCILLARY PRODUCTS IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS D1.5 BRIDGE WELDING CODE: EXPANSION JOINTS, STRIP SEALS, OTHER MISC. ITEMS AS APPROVED BY THE ENGINEER.

1. SET UP CONTAINMENT AS NEEDED PER STAGES SHOWN ON SHEETS 7 & 8.
2. STRENGTHEN GUSSET PLATES AND TRUSS MEMBERS AS SHOWN.
3. REPAIR PACK RUST THROUGHOUT THE BRIDGE.
4. CLEAN AND PAINT ALL EXPOSED STEEL SURFACES, INCLUDING ALL TRUSS MEMBERS, FLOORBEAMS, STRINGERS, GUSSET PLATES, BEARINGS, LATTICE RAILING ELEMENTS BEHIND BRIDGE METAL BEAM RAIL, AND FASTENERS.
5. REMOVE EXISTING BRIDGE METAL BEAM RAIL TO FACILITATE PAINTING OPERATIONS. DO NOT PAINT BRIDGE METAL BEAM RAIL. REATTACH PER BRIDGE METAL BEAM RAIL DETAIL SHEET.
6. INITIATE FULL CLOSURE WINDOW.
7. REMOVE REMAINING CONTAINMENT.
8. REMOVE AND REPLACE ALL FLOORBEAM JOINTS AND EXPANSION JOINTS AT PIERS 1 AND 4.
9. REMOVE AND CLOSE LONGITUDINAL JOINT IN CONCRETE APPROACH SPANS.
10. REPLACE DECORATIVE TRAFFIC BARRIER ON APPROACH SPANS AND INSTALL REMAINING GUARDRAIL ELEMENTS.
11. REPAIR CONCRETE DECK AND PLACE THIN POLYMER CONCRETE OVERLAY.
12. APPLY ALL PAVEMENT MARKINGS AND INSTALL ALL ROAD SIGNAGE.
13. REOPEN BRIDGE TO TRAFFIC.

1. THE CONTRACTOR MAY SUPPORT A TEMPORARY BELOW DECK WORK PLATFORM FROM THE EXISTING STEEL TRUSS SPANS AS SHOWN IN THE TYPICAL SECTIONS. SUPPORT POINTS MAY BE LOCATED AT THE MAIN TRUSS PANEL POINTS AND AT FLOORBEAMS AND STRINGERS. LOADS SHALL BE LIMITED TO THOSE SPECIFIED IN NOTE 3. NO ATTACHMENT OF SUPPORTS SHALL BE MADE TO THE TRUSS MEMBERS BETWEEN PANEL POINTS.
2. THE TOTAL CONSTRUCTION LOAD (SELF WEIGHT PLUS IMPOSED LIVE LOADS) IMPARTED TO THE BRIDGE BY THE BELOW WORK PLATFORM, ANY UPPER WORK PLATFORM, AND CONTAINMENT SYSTEM, SHALL NOT EXCEED 25 POUNDS PER SQUARE FOOT TOTAL IN THE LIMITS OF THE STAGE SHOWN. FOR PURPOSES OF COMPUTING LOAD LIMITS, THE WIDTH CAN BE ASSUMED TO BE 32'-10" WIDE. THE CONSTRUCTION LOAD LIMIT CAN BE ADJUSTED UP OR DOWN PROPORTIONAL WITH ACTUAL WIDTH OF CONTAINMENT USED. THE MAXIMUM CONSTRUCTION LOAD IMPARTED TO THE TOP CHORD PANEL POINTS IS LIMITED TO 15 POUNDS PER SQUARE FOOT TOTAL.
3. TOTAL MAXIMUM CONSTRUCTION LOADS AT ANY ONE REACTION POINT (DL+LL) SHALL BE LIMITED TO THE FOLLOWING:
 - PANEL POINTS: 8,200 LBS BOTTOM CHORD
 - STRINGERS: EVERY OTHER STRINGER = 2,000 LBS PER SUPPORT POINT AT A MIN SPACING OF 10'-0"
 - FLOORBEAMS: 4,100 LBS PER SUPPORT POINT AT MIN SPACING OF 7'-6"

THE CONTRACTOR IS RESPONSIBLE FOR LIMITING LOCAL STRESSES AT REACTION POINTS AS TO NOT CAUSE DAMAGE OR YIELD ANY EXISTING MEMBERS AND COMPONENTS. ANY PROPOSED INTERMITTENT SUPPORT LOCATIONS ON TOP LATERALS, SWAY OR PORTAL FRAMES SHALL BE SUBMITTED WITH SUPPORTING CAPACITY/DEMAND CALCULATIONS FOR ACCEPTANCE BY THE ENGINEER.

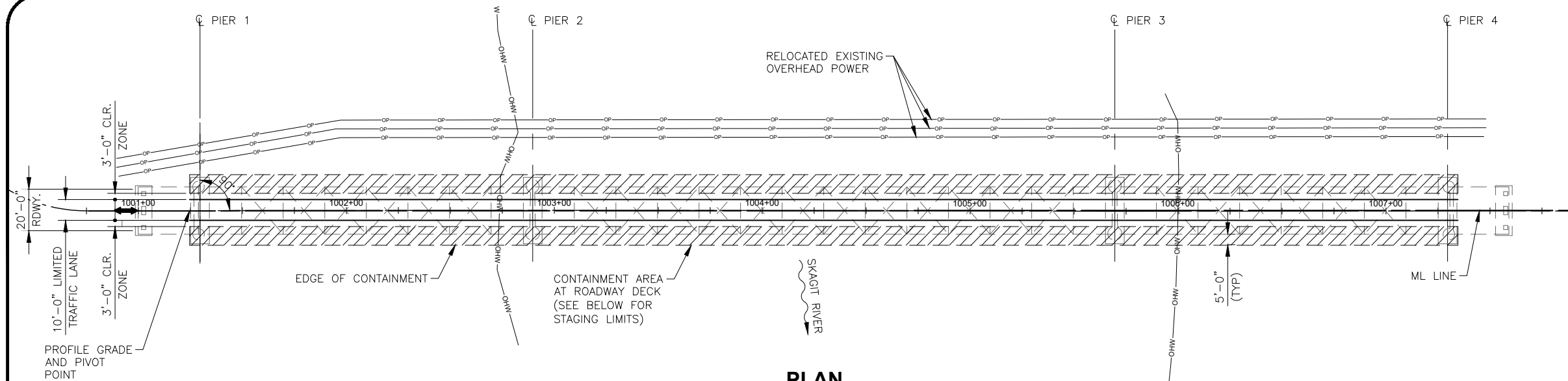
4. METHOD(S) OF ATTACHMENT TO THE BRIDGE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 6-07.3(2)F. ALL WORKING DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED IN ACCORDANCE WITH SECTION 1-05.3. NO WELDING OR NEW HOLES IN BRIDGE MEMBERS IS ALLOWED. REMOVAL OF EXISTING RIVETS, AT SELECT LOCATIONS WITHIN THE TRUSS PANELS POINTS, MAY BE PERMITTED FOR ATTACHMENT OF SUPPORT BRACKETS. THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL BY THE ENGINEER, THE LOCATION, QUANTITY, AND SEQUENCE OF REMOVAL OF RIVETS.

(OVERLOAD TRUCK WILL NOT BE PERMITTED ON BRIDGE DURING CONSTRUCTION)

Diagram illustrating the truck loading configuration for the bridge deck. The truck has five axles with the following axle weights and spacings:

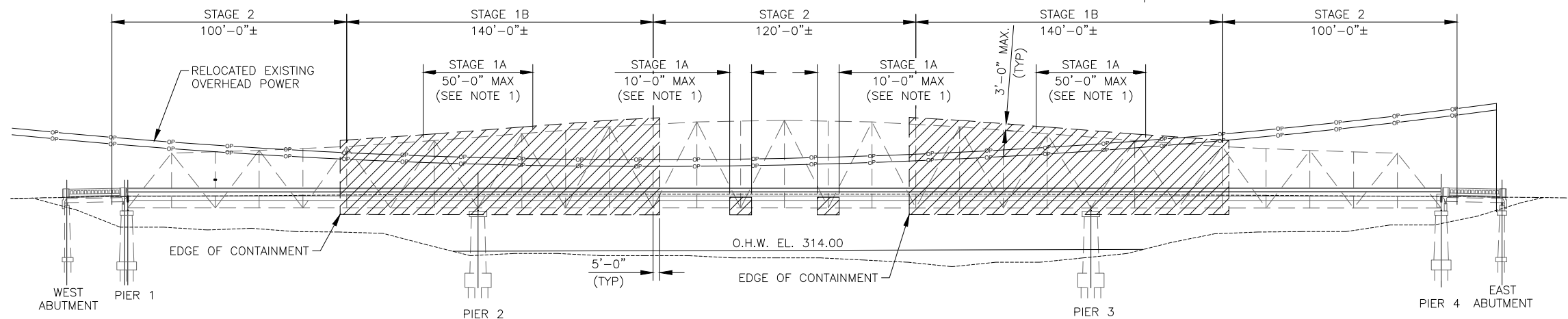
- AXLE WEIGHTS: 11k, 23.65k, 23.6k, 23.65k, 23.65k
- AXLE SPACINGS: 10', 4', 12', 4'

The diagram shows the truck positioned over a 10'-0" wide slab. The slab width is divided into five equal sections, each 2'-0" wide, with a 6'-0" spacing between the centerlines of the reinforcement bars.

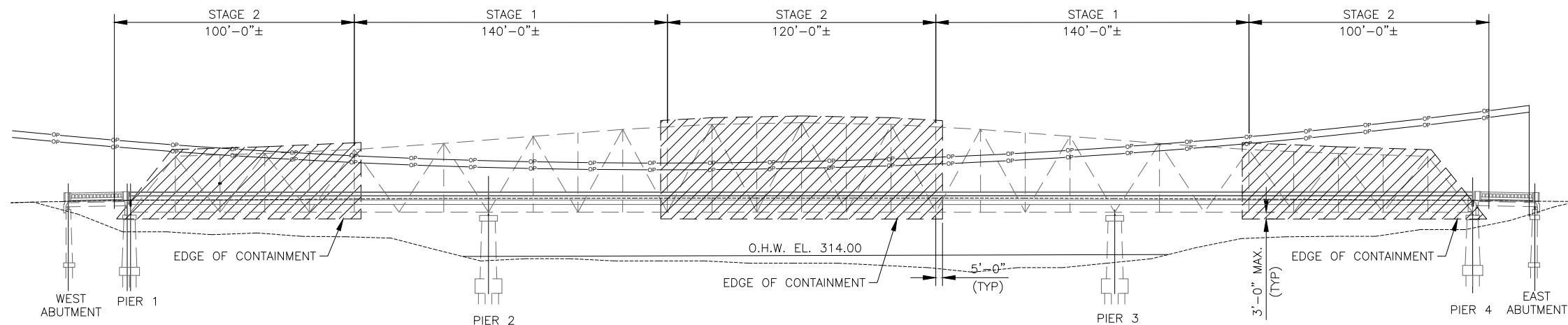


PLAN

BEARING OF ALL PIERS ARE NORMAL TO "M" LINE



ELEVATION - STAGE 1



ELEVATION - STAGE 2

KEY NOTES:

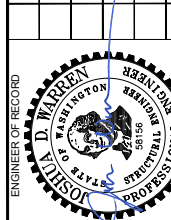
1. STAGE 1A CONTAINMENT SHALL BE LIMITED AS SHOWN UNTIL STRENGTHENING AT GUSSET PLATES L8/L22 AND L14/L16 AND AT TRUSS MEMBERS U7-L8/U23-L22 AND L8-U9/L22-U21 HAS BEEN COMPLETED. SEE SHEETS 14, 15, 17, 19 & 20.
2. STAGE 1B AND STAGE 2 EACH REFLECT THE MAXIMUM LIMITS OF CONTAINMENT ALLOWED AT ANY ONE TIME. LESS CONTAINMENT THAN THE LIMITS OF STAGE 1B OR STAGE 2 IS ALSO ALLOWED. STAGE 1B AND STAGE 2 CONTAINMENTS MAY NOT BE USED SIMULTANEOUSLY.
3. FOR TYPICAL SECTION OF CONTAINMENT, SEE SHEET 8.



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(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE



DESIGN ENGINEER

PROJECT NO.: ES40070-5	FED. AID NO.: BHO5-28CS(001)
DESIGNED BY: CAWO	DRAWN BY: BJHE
CHECKED BY: CRAG	APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

**SKAGIT RIVER MARBLEMOUNT
BRIDGE**

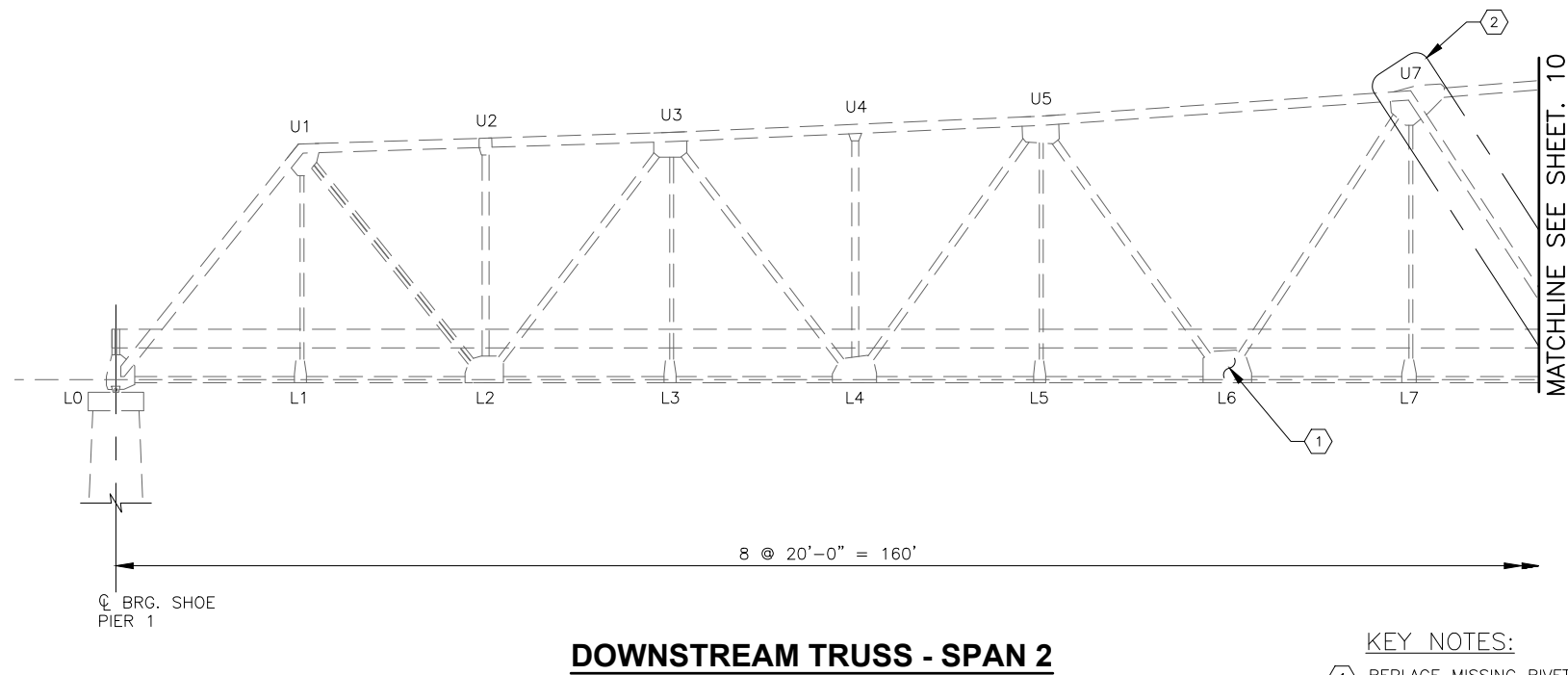
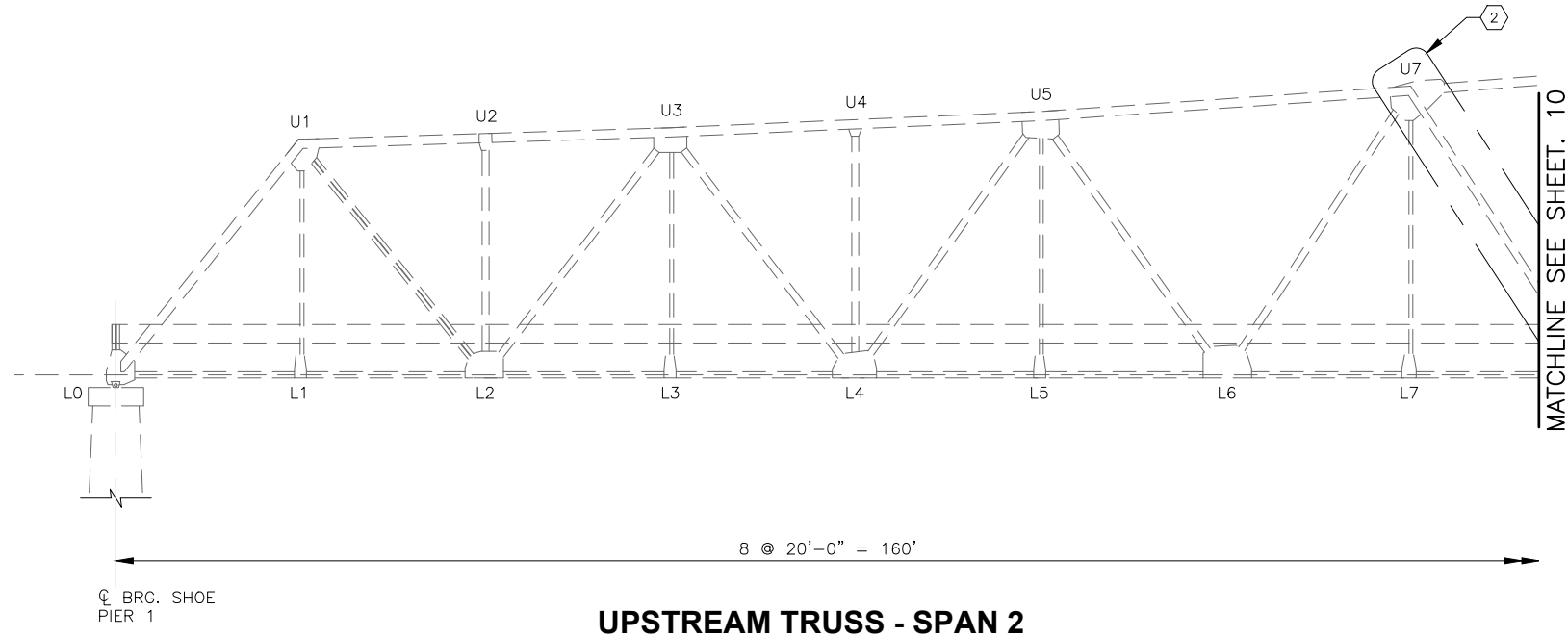
CONTAINMENT LIMITS AND STAGING

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
7 OF 35



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MOUNT VERNON, WA 98273-5611
(360) 416-1400 FAX (360) 416-1411



KEY NOTES:

- 1 REPLACE MISSING RIVET WITH HIGH STRENGTH BOLT
- 2 STRENGTHEN WEBS OF DIAGONAL MEMBER WITH COVER PLATES (SEE TRUSS STRENGTHENING DETAILS)

**DAVID EVANS
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Phone: 425.519.6500

**SKAGIT RIVER MARBLEMOUNT
BRIDGE**

TRUSS RESTORATION DETAILS SPAN 2

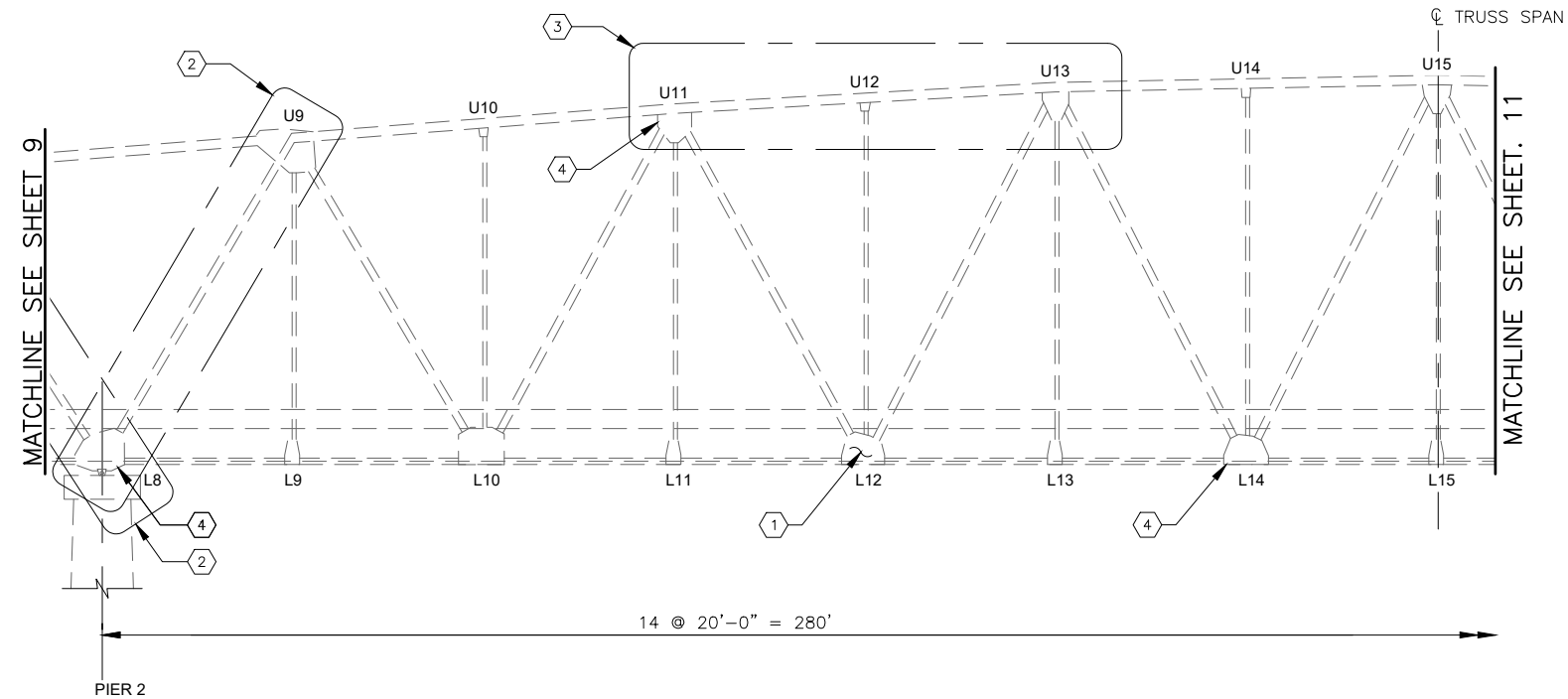
PROJECT NO.: ES40070-5
FED. AID NO.: BHOS-28CS(001)
DESIGNED BY: CAWO DRAWN BY: BJHE
CHECKED BY: CRAG APPROVED BY: JDWA
PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
SKAGIT COUNTY, WA



NO.	REVISIONS	DATE

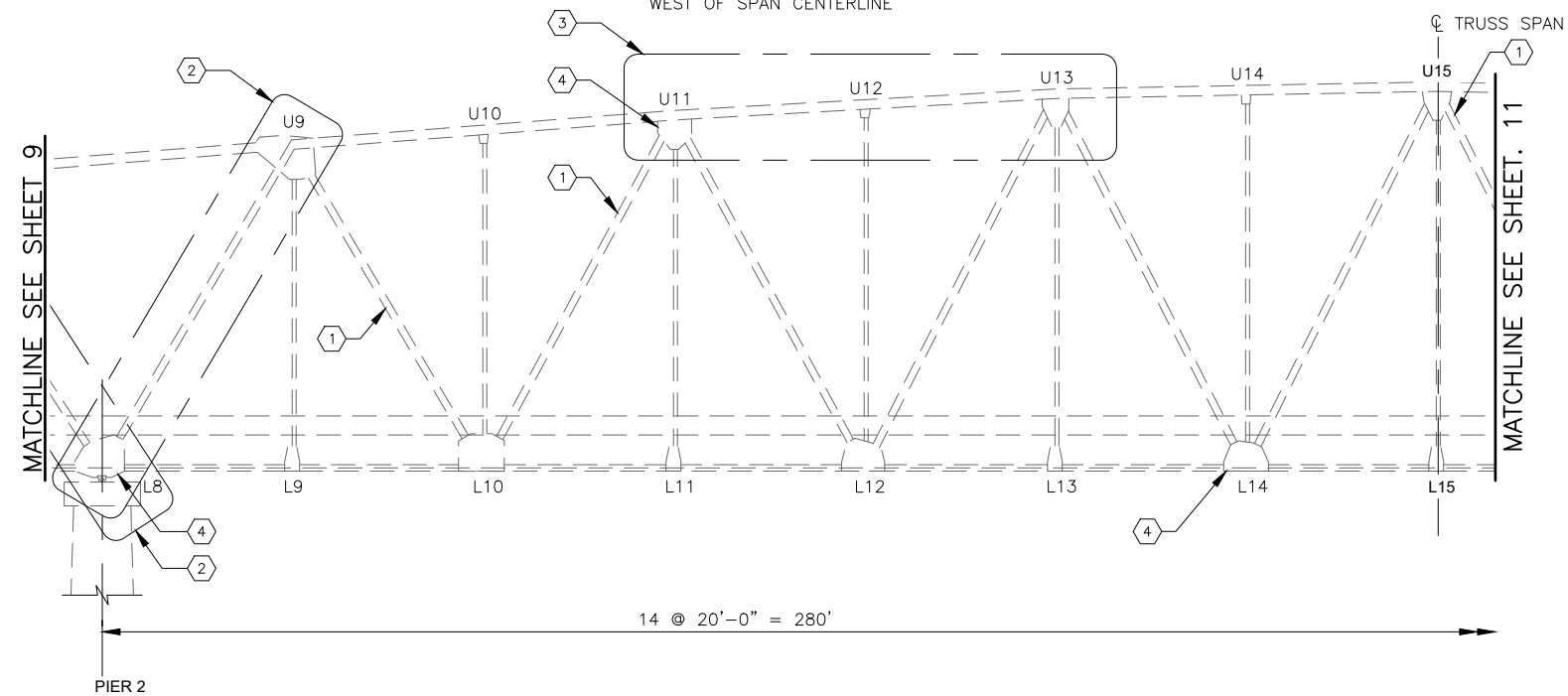
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1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY
SHEET
9 OF 35



UPSTREAM TRUSS - SPAN 3

WEST OF SPAN CENTERLINE



DOWNSTREAM TRUSS - SPAN 3

WEST OF SPAN CENTERLINE

KEY NOTES:

- (1) REPLACE MISSING RIVETS WITH HIGH STRENGTH BOLTS
- (2) STRENGTHEN WEBS OF DIAGONAL MEMBER WITH COVER PLATES (SEE TRUSS STRENGTHENING DETAILS)
- (3) STRENGTHEN TOP CHORDS WITH COVER PLATES (SEE TRUSS STRENGTHENING DETAILS)
- (4) STRENGTHEN JOINT (SEE TRUSS STRENGTHENING DETAILS)



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TRUSS RESTORATION DETAILS SPAN 3

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
10 OF 35



DESIGN ENGINEER

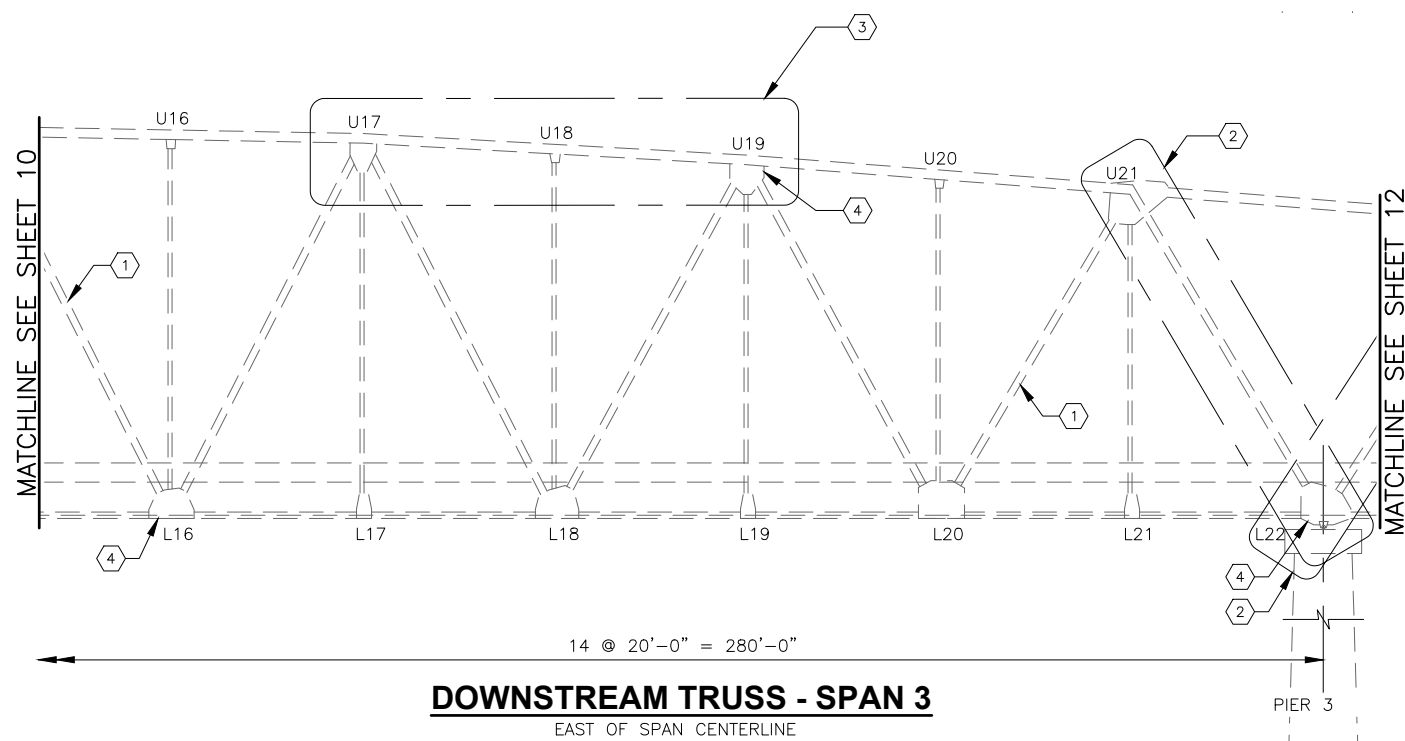
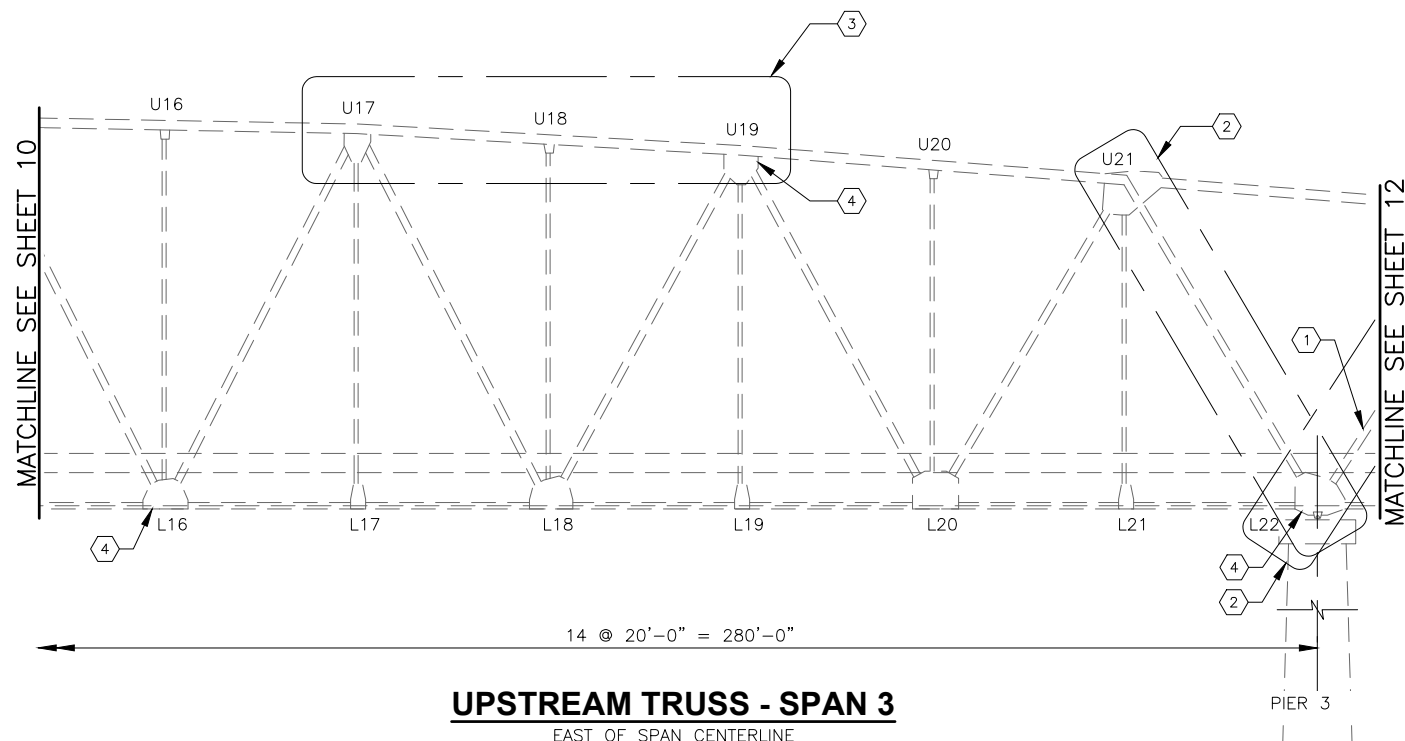
ENGINEER OF RECORD

PROJECT NO.: ES40070-5
FED. AID NO.: BHOS-28CS(001)
DESIGNED BY: CAWO DRAWN BY: BJHE
CHECKED BY: CRAG APPROVED BY: JDWA
PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
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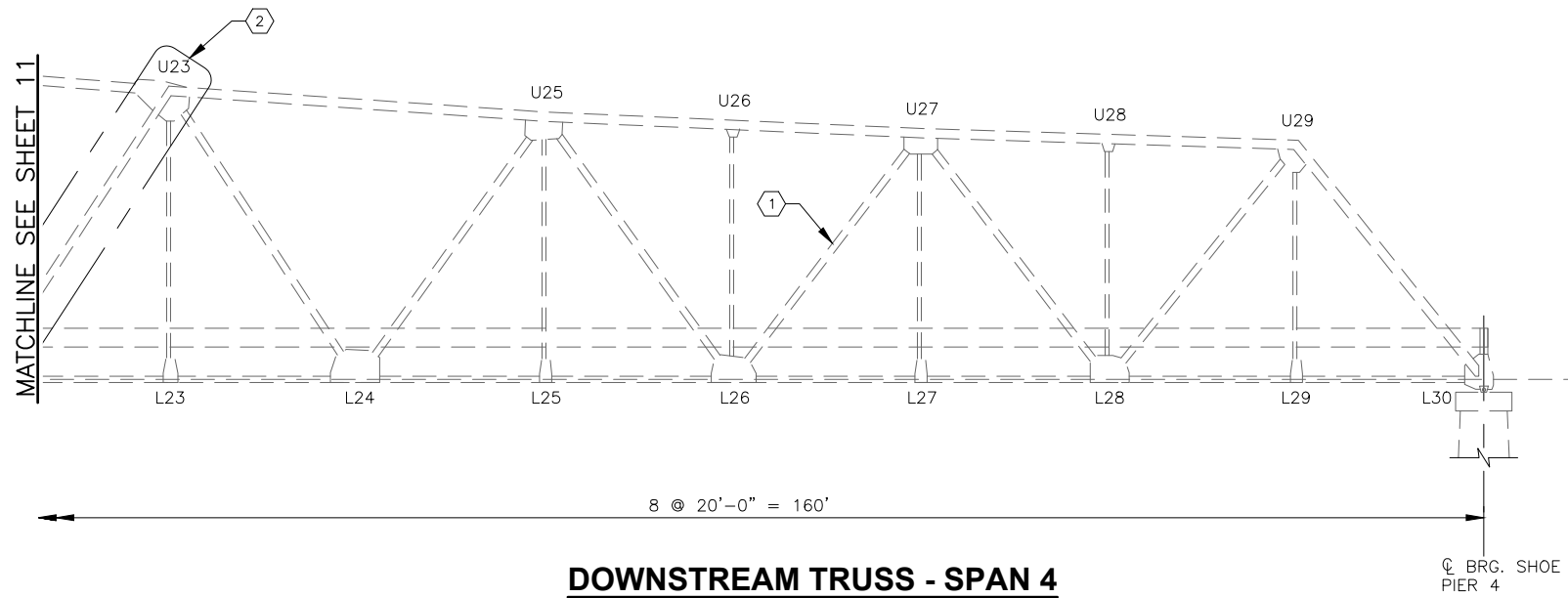
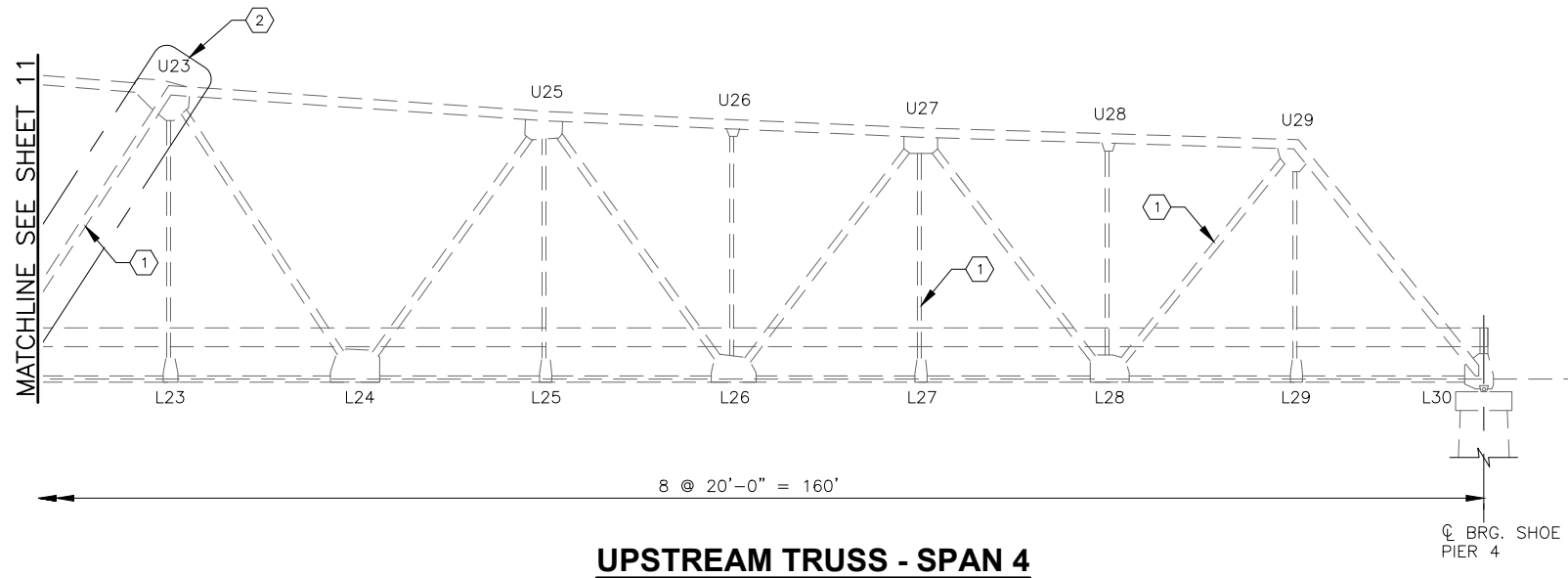


KEY NOTES:

- ① REPLACE MISSING RIVET WITH HIGH STRENGTH BOLT
- ② STRENGTHEN WEBS OF DIAGONAL MEMBER WITH COVER PLATES (SEE TRUSS STRENGTHENING DETAILS)
- ③ STRENGTHEN TOP CHORDS WITH COVER PLATES (SEE TRUSS STRENGTHENING DETAILS)
- ④ STRENGTHEN JOINT (SEE TRUSS STRENGTHENING DETAILS)

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SKAGIT RIVER MARBLEMOUNT BRIDGE		PROJECT NO.: ES40070-5		SKAGIT COUNTY PUBLIC WORKS 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405	
		FED. AID NO.: BHO5-28CS(001)			
TRUSS RESTORATION DETAILS SPAN 3		DESIGNED BY: CAWO		ENGINEER OF RECORD	
		CHECKED BY: CRAG			
TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA		APPROVED BY: JDWA		DESIGN ENGINEER	
		PROJECT LOCATED NEAR:		NO. _____ DATE _____ REVISIONS _____	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY		SHEET 11 OF 35			



KEY NOTES:

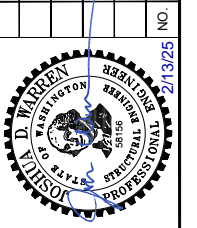
- ① REPLACE MISSING RIVET WITH HIGH STRENGTH BOLT
- ② STRENGTHEN WEBS OF DIAGONAL MEMBER WITH COVER PLATES (SEE TRUSS STRENGTHENING DETAILS)



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NO.	REVISIONS	DATE



DESIGN ENGINEER

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DESIGNED BY: CAWO DRAWN BY: BJHE
CHECKED BY: CRAG APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA

**SKAGIT RIVER MARBLEMOUNT
BRIDGE**

TRUSS RESTORATION DETAILS SPAN 4

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
12 OF 35

RIVET INSPECTION AND REPLACEMENT NOTES

- EXISTING RIVETS TO REMAIN ON MEMBERS AND/OR GUSSETS BEING PAINTED SHALL BE EVALUATED AFTER FIELD PREPARATION FOR PAINTING AND PRIMING IS COMPLETED AND SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE RIVET EVALUATION CRITERIA SHOWN ON THIS SHEET. NEW H.S. BOLTS SHALL BE INSTALLED AND TENSIONED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 6-03.3(33), AND PREPARED FOR PAINT IN ACCORDANCE WITH SECTION 6-07.3(11)A.
- BOLTS SHALL CONFORM TO ASTM F3125 GR 325 AND SHALL BE GALVANIZED. BOLTS REPLACING RIVETS SHALL HAVE A DIAMETER MATCHING THE DIAMETER OF THE RIVET THEY REPLACE. EXISTING HOLES MAY BE REAMED TO THE RIVET DIAMETER PLUS 1/8" MAXIMUM TO FACILITATE BOLT INSTALLATION IF NEEDED.
- UNLESS OTHERWISE SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER, ONLY ONE RIVET MAY BE REMOVED AND REPLACED AT A TIME AT ANY CONNECTION. THE REPLACEMENT BOLT SHALL BE FULLY INSTALLED AND TENSIONED BEFORE THE NEXT RIVET MAY BE REMOVED.
- PRIOR TO STARTING ANY RIVET REMOVAL, THE CONTRACTOR SHALL SUBMIT A TYPE 2 WORKING DRAWING DETAILING PROPOSED RIVET REMOVAL METHODS TO THE ENGINEER. ACCEPTANCE WILL REQUIRE DEMONSTRATION BY THE CONTRACTOR TO ENSURE NO DAMAGE WILL OCCUR TO THE EXISTING MEMBER TO REMAIN. NO FLAME CUTTING METHODS WILL BE PERMITTED.
- LOCATIONS OF RIVET REPLACEMENTS ARE NOT LIMITED TO THE LOCATIONS AND NUMBERS OF CURRENTLY MISSING RIVETS AS SHOWN ON THE TRUSS RESTORATION SHEETS. EXISTING RIVETS SHALL BE EVALUATED FOR REPLACEMENT BASED ON THE REQUIREMENTS SHOWN ON THIS SHEET.

RIVET EVALUATION CRITERIA

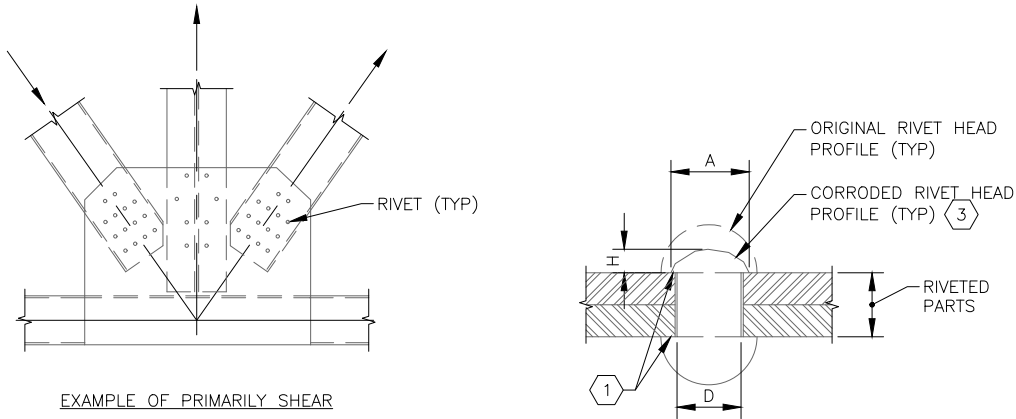
RIVETS SHALL BE REPLACED IF THEY FAIL TO MEET ANY ONE OF THESE CRITERIA.

1.

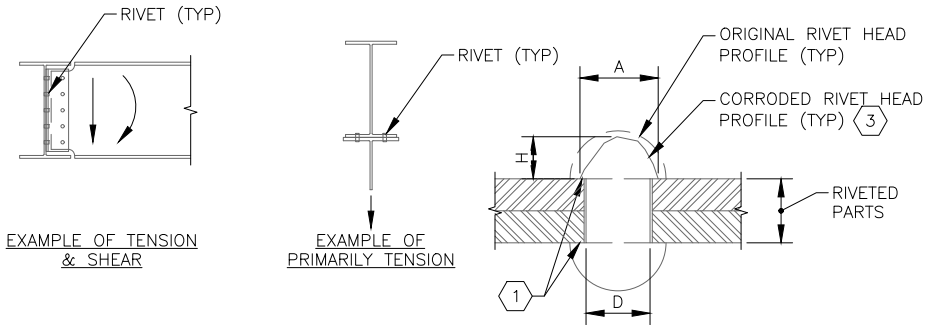
REPLACE RIVET IF THERE IS SEPARATION BETWEEN THE SOUND METAL SURFACES OF EITHER RIVET HEAD AND THE RIVETED PARTS.
2.

REPLACE RIVET IF THE RIVET VISUALLY APPEARS TO BE LOOSE FOR ANY REASON. RIVETS VISUALLY SUSPECT OF BEING LOOSE SHALL BE CONFIRMED LOOSE IF IT CAN BE FELT TO MOVE AFTER BEING STRUCK ON THE SIDE OF THE HEAD IN A DIRECTION APPROXIMATELY PERPENDICULAR TO ITS SHANK WITH A 40 OZ HAMMER.
3.

REPLACE RIVET IF SECTION LOSS IS EQUAL TO OR GREATER THAN THE DIAGRAM SHOWN BELOW. THE ENGINEER SHALL BE CONSULTED IF UNCLEAR AS TO THE RIVET LOADING CONDITION OR USE THE SECTION LOSS CRITERIA FOR "UNKNOWN" LOADING CONDITION. FOR RIVETS WITH IRREGULAR SECTION LOSS, CONTACT THE ENGINEER FOR DIRECTION.



RIVET LOADING CONDITION - PRIMARILY SHEAR



RIVET LOADING CONDITION
PRIMARILY TENSION, TENSION & SHEAR, OR UNKNOWN

MINIMUM RIVET DIMENSIONS				
RIVET SHANK DIAMETER "D"	LOADING: PRIMARILY SHEAR		LOADING: TENSION & SHEAR, TENSION OR UNKNOWN	
	MINIMUM HEAD DIAMETER "A"	MINIMUM HEAD HEIGHT "H"	MINIMUM HEAD DIAMETER "A"	MINIMUM HEAD HEIGHT "H"
5/8"	7/8"	3/16"	1"	3/8"
3/4"	1"	1/4"	1 1/8"	7/16"
7/8"	1 1/8"	3/8"	1 1/4"	9/16"

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MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

					DATE
					REVISIONS
					NO.
					2/13/25

ENGINEER OF RECORD

DESIGN ENGINEER

JOSHUA D. WARKREY
STATE OF WASHINGTON
ENGINEER
58156
STRUCTURAL
PROFESSIONAL

PROJECT NO.: ES40070-5
FED. AID NO.: BHO5-28CS(001)
DESIGNED BY: CAWO
CHECKED BY: CRAG
DRAWN BY: BJHE
APPROVED BY: JDWA

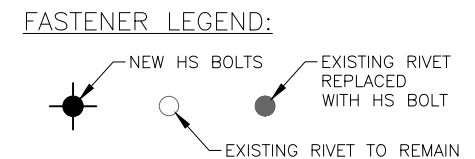
PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
SKAGIT COUNTY, WA

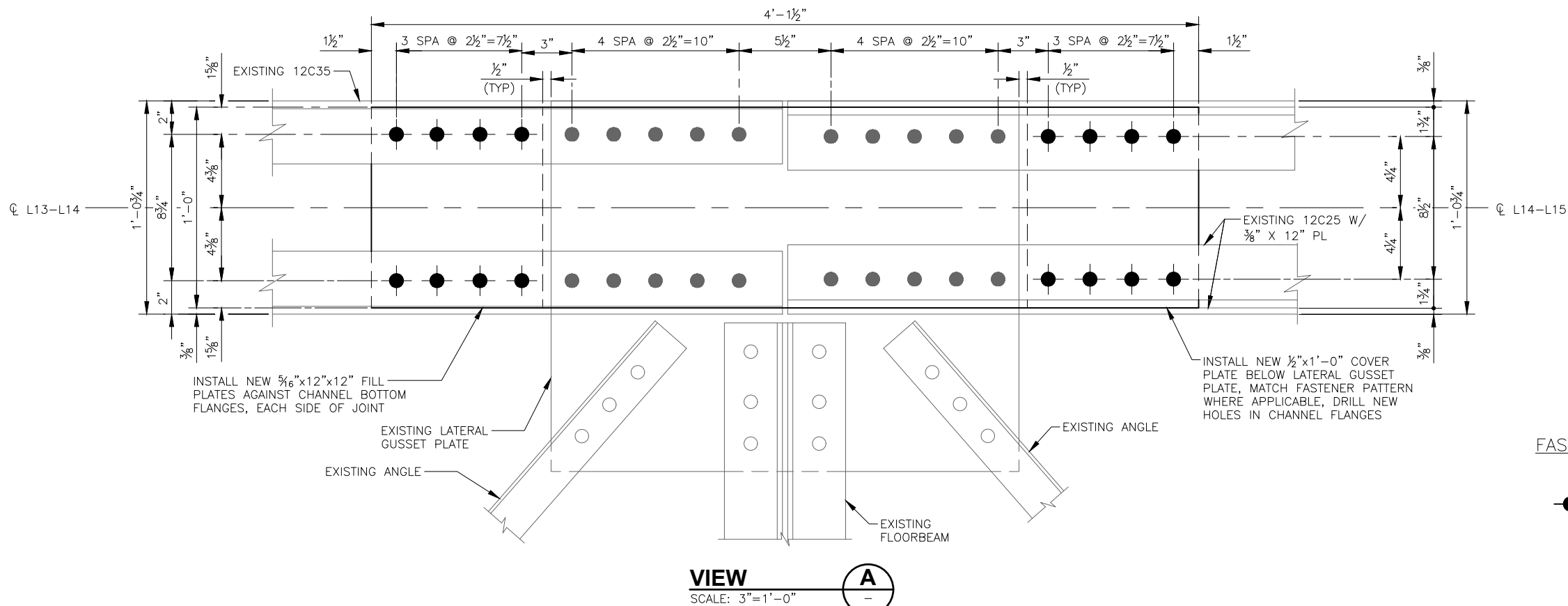
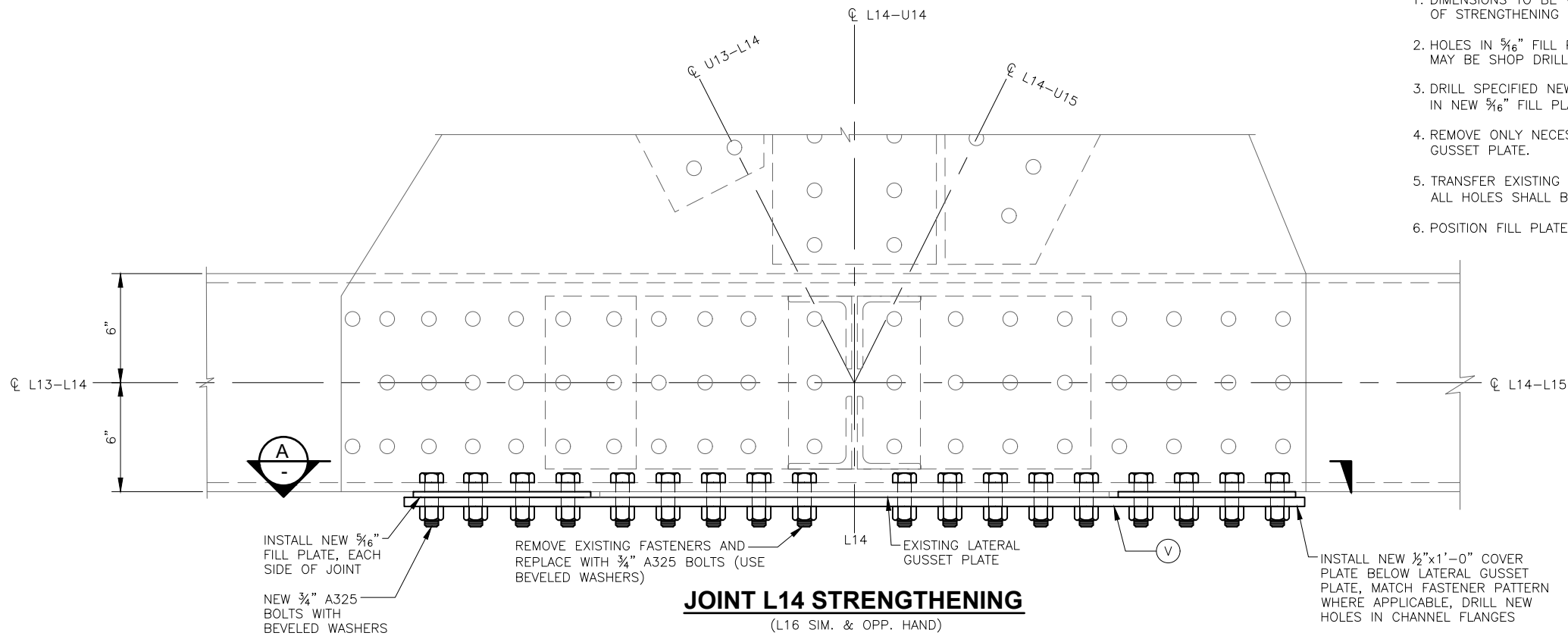
SKAGIT RIVER MARBLEMOUNT
BRIDGE

RIVET EVALUATION CRITERIA

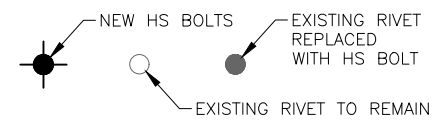
1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
13 OF 35





FASTENER LEGEND:

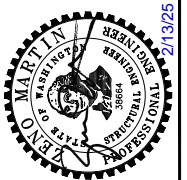


NOTES:

1. DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO THE FABRICATION OR INSTALLATION OF STRENGTHENING STEEL.
2. HOLES IN $\frac{5}{16}$ " FILL PLATES AND EIGHT HOLES AT EACH END OF $\frac{1}{2}$ " COVER PLATE MAY BE SHOP DRILLED AND SHALL BE DRILLED TO MATCH.
3. DRILL SPECIFIED NEW HOLES IN EXISTING CHANNEL COMPONENTS TO MATCH HOLES IN NEW $\frac{5}{16}$ " FILL PLATES AND $\frac{1}{2}$ " COVER PLATE.
4. REMOVE ONLY NECESSARY EXISTING FASTENERS (20 TOTAL) IN EXISTING LATERAL GUSSET PLATE.
5. TRANSFER EXISTING FASTENER PATTERN TO $\frac{1}{2}$ " COVER PLATE AND DRILL TO MATCH. ALL HOLES SHALL BE $\frac{1}{8}$ " DIAMETER HOLES.
6. POSITION FILL PLATES AND $\frac{1}{2}$ " COVER PLATE AND FASTEN WITH $\frac{3}{4}$ " A325 BOLTS.

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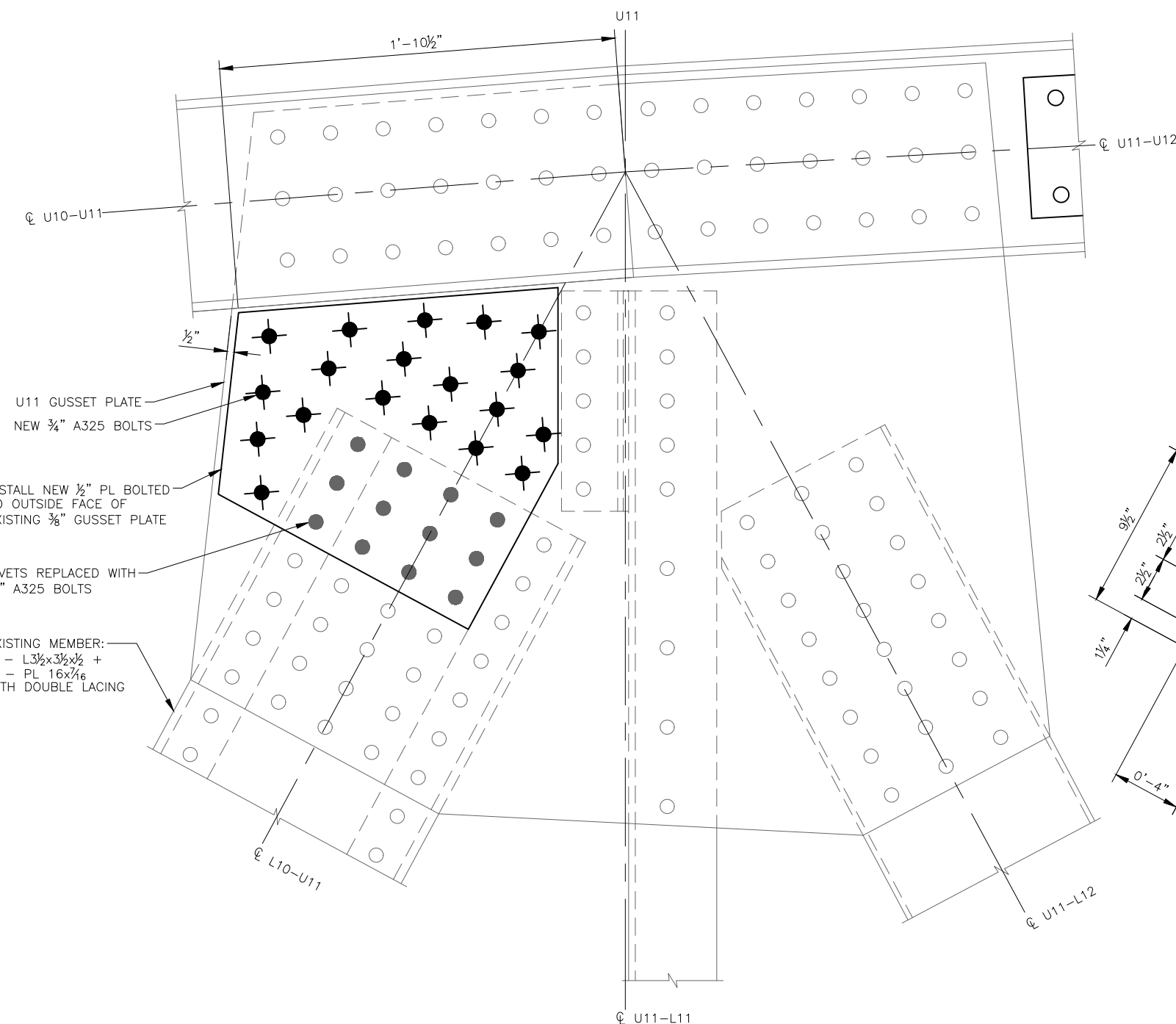
ENGINEER OF RECORD
DESIGN ENGINEER

PROJECT NO.: ES40070-5
FED. AID NO.: BHO5-28CS(001)
DESIGNED BY: M.J. DRAWN BY: B.J.H.E.
CHECKED BY: CRAG APPROVED BY: Z.M.
PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
SKAGIT COUNTY, WA

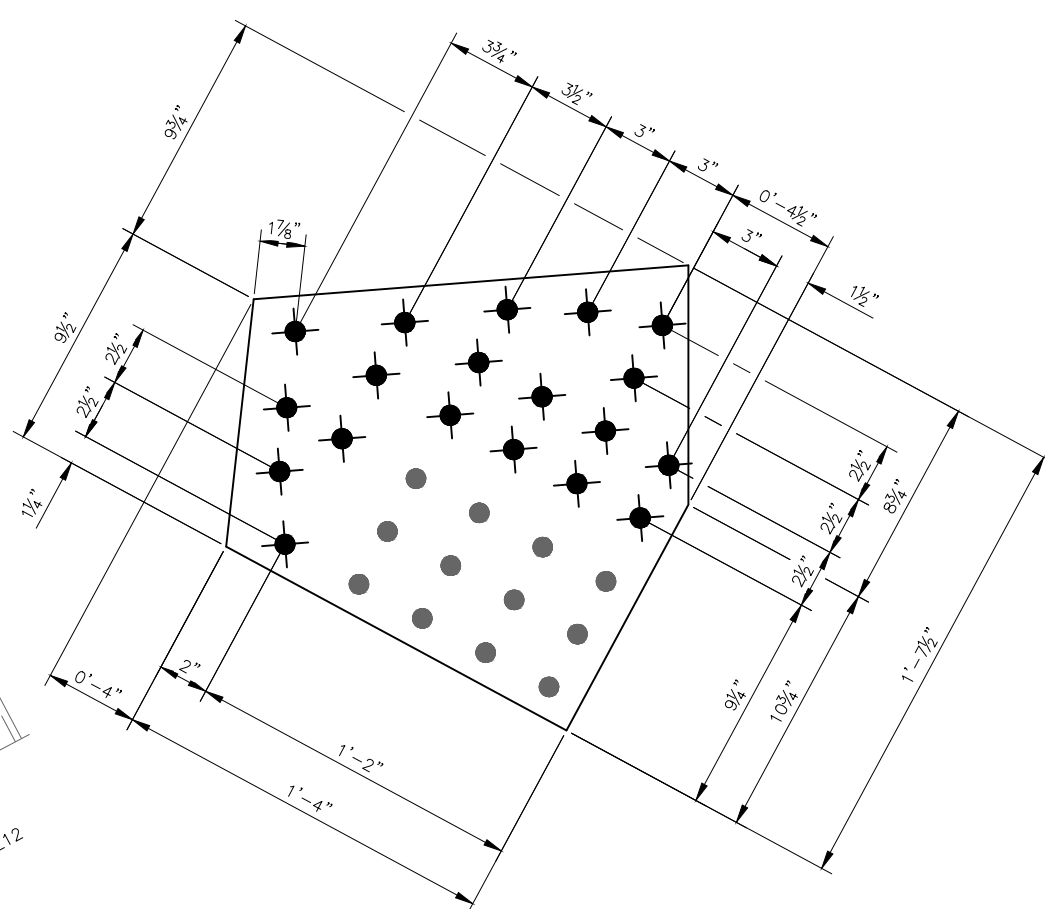
**SKAGIT RIVER MARBLEMOUNT
BRIDGE**
TRUSS STRENGTHENING DETAILS 2

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY
SHEET
15 OF 35

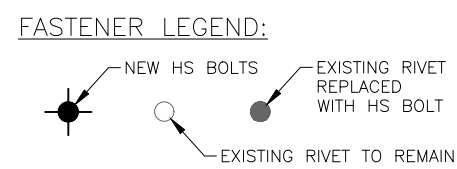
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JOINT U11 STRENGTHENING
(U19 SIM. & OPP. HAND)



JOINT U11 COVER PLATE DETAIL
(U19 SIM. & OPP. HAND)



- NOTES:**
1. ALL DIMENSIONS TO BE VERIFIED IN THE FIELD PRIOR TO FABRICATION OR INSTALLATION OF COVER PLATE.
 2. WORKING ON ONE GUSSET PLATE AT A TIME, REMOVE ONLY NECESSARY EXISTING FASTENERS FOR INSTALLATION OF NEW STRENGTHENING STEEL.
 3. TRANSFER EXISTING FASTENER PATTERN TO STRENGTHENING STEEL AND DRILL TO MATCH. DRILL SPECIFIED NEW HOLES IN EXISTING GUSSET PLATE TO MATCH HOLES IN NEW STRENGTHENING STEEL. ALL HOLES SHALL BE 1 3/16" DIAMETER HOLES.
 4. POSITION STRENGTHENING STEEL AND FASTEN WITH 3/4" A325 BOLTS.

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DESIGNED BY: M.J. DRAWN BY: BJHE
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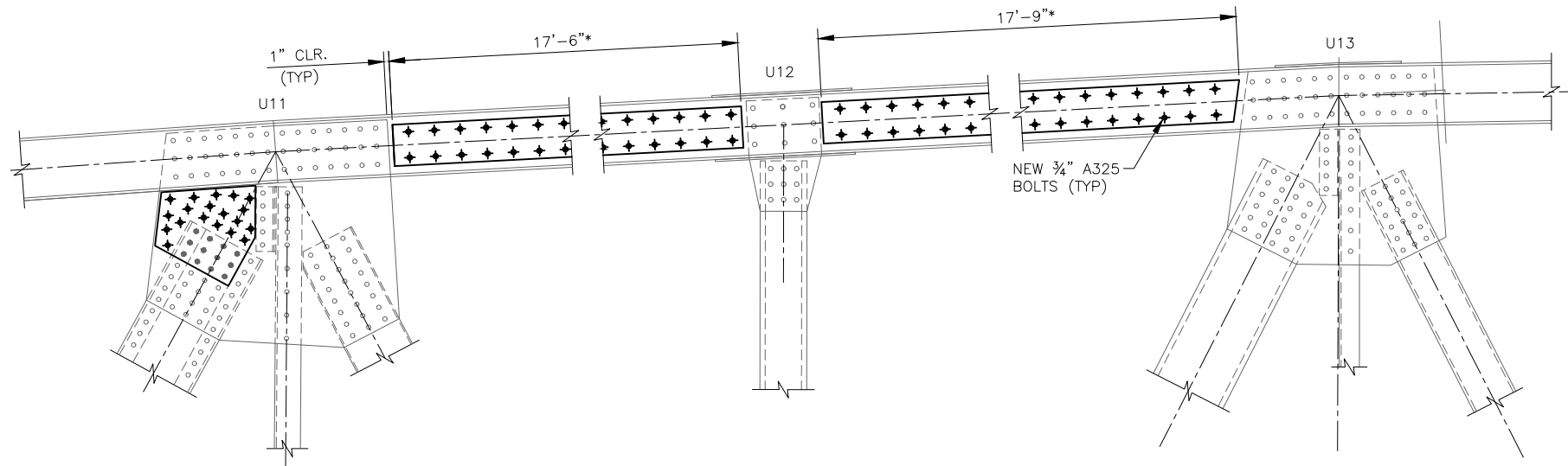
PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
SKAGIT COUNTY, WA

SKAGIT RIVER MARBLEMOUNT BRIDGE

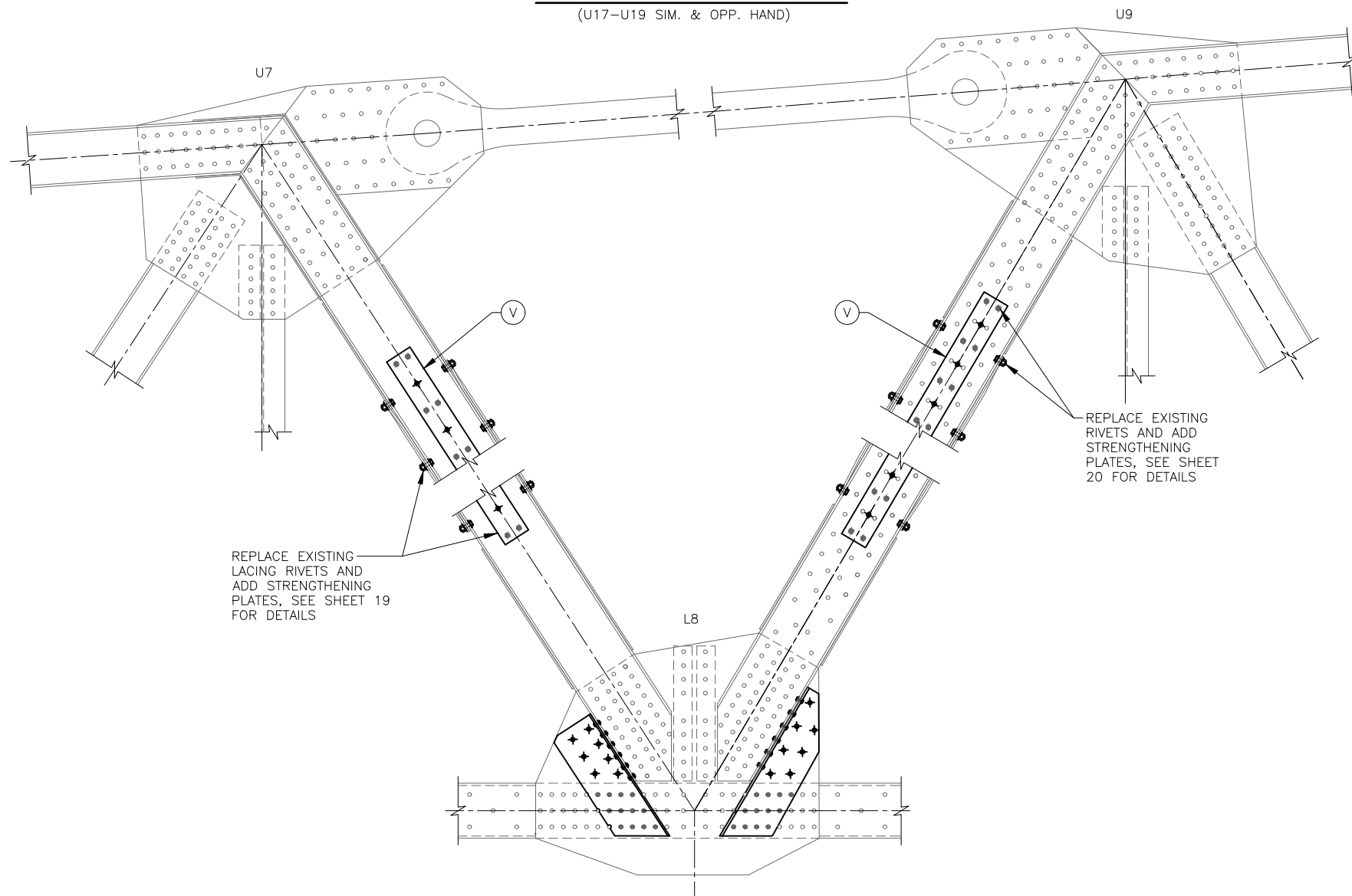
TRUSS STRENGTHENING DETAILS 3

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
16 OF 35

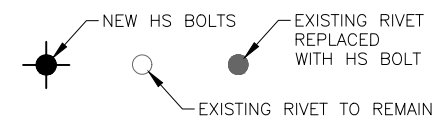


MEMBER U11-U13 DETAIL
(U17-U19 SIM. & OPP. HAND)



MEMBER U7-L8 & L8-U9 DETAIL
(U23-L22 & L22-U21 SIM. & OPP. HAND)

FASTENER LEGEND:

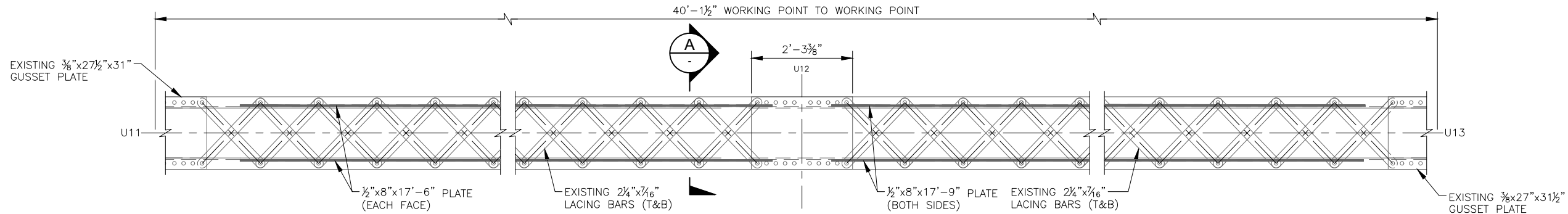


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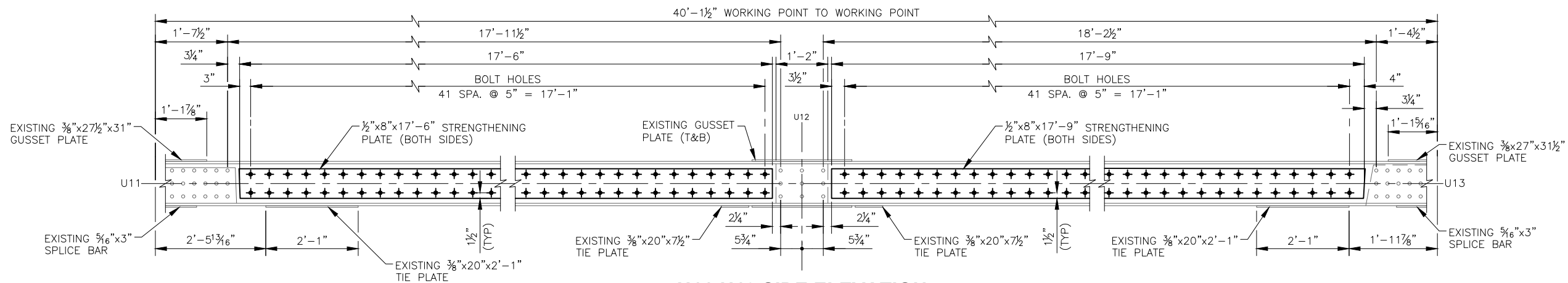
SKAGIT RIVER MARBLEMOUNT BRIDGE TRUSS STRENGTHENING DETAILS 4		PROJECT NO.: ES40070-5 FED. AID NO.: BHO5-28CS(001) DESIGNED BY: CAWO CHECKED BY: CRAG DRAWN BY: BJHE APPROVED BY: JDWA		PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	
		PROJECT NO.: ES40070-5 FED. AID NO.: BHO5-28CS(001) DESIGNED BY: CAWO CHECKED BY: CRAG DRAWN BY: BJHE APPROVED BY: JDWA		PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	
SKAGIT COUNTY PUBLIC WORKS 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405		ENGINEER OF RECORD DESIGN ENGINEER		NO. 2/13/25 REVISIONS DATE	

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

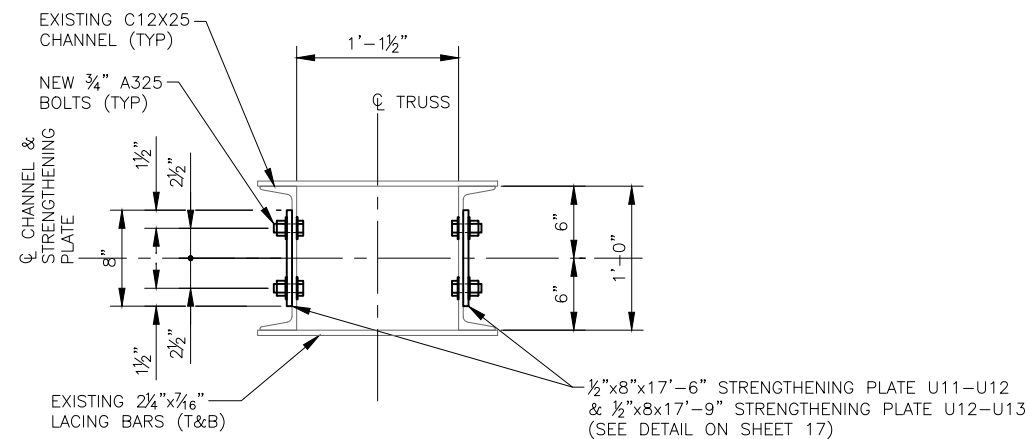
SHEET
17 OF 35



U11-U13 TOP PLAN
(U17-U19 SIM. & OPP. HAND)

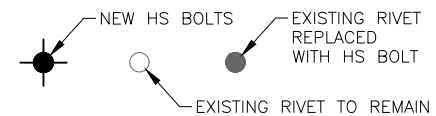


U11-U13 SIDE ELEVATION
(U17-U19 SIM. & OPP. HAND)



SECTION A
Scale: 1 1/2"=1'-0"

FASTENER LEGEND:



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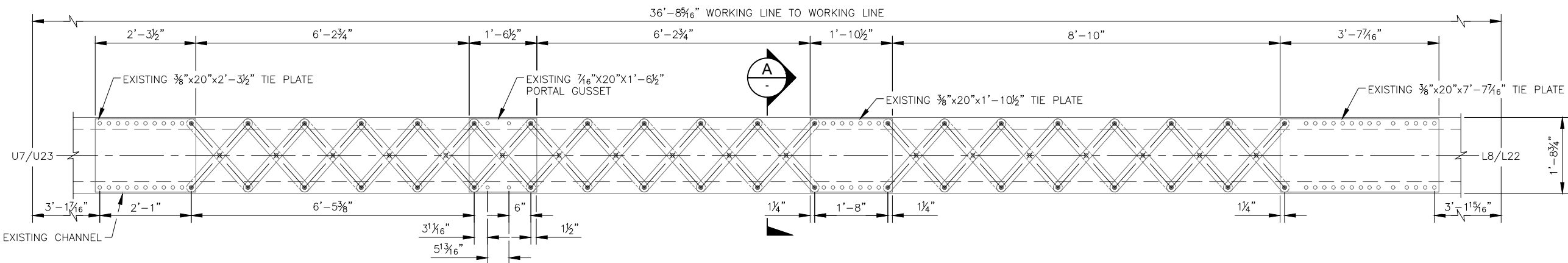


ENGINEER OF RECORD
DESIGN ENGINEER

PROJECT NO.: ES40070-5	FED. AID NO.: BHO5-28CS(001)
DESIGNED BY: CAWO	DRAWN BY: BJHE
CHECKED BY: CRAG	APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

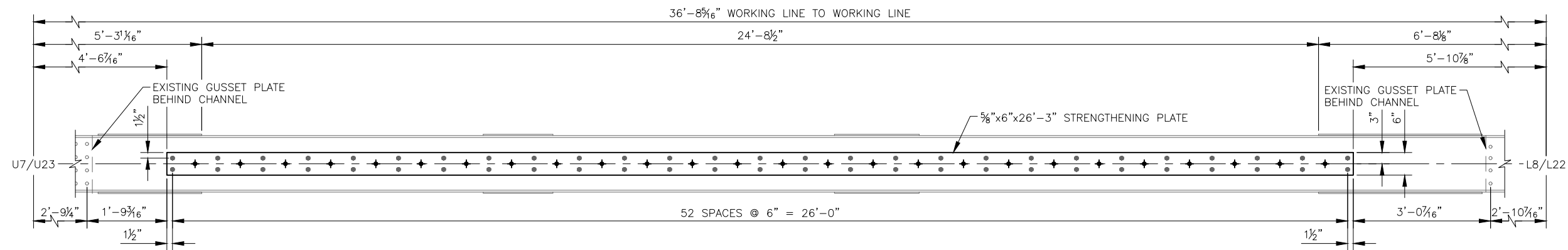
SKAGIT RIVER MARBLEMOUNT BRIDGE
TRUSS STRENGTHENING DETAILS 5

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY
SHEET
18 OF 35



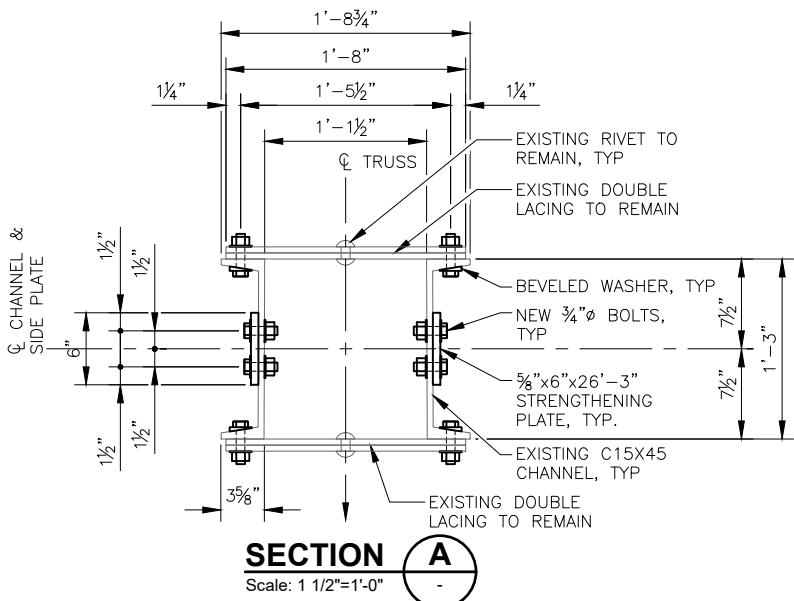
U7-L8 TOP PLAN

(L22-U23 SIM. & OPP. HAND)



U7-L8 SIDE ELEVATION

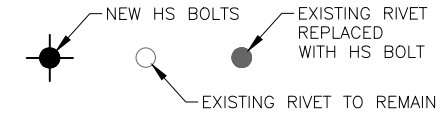
(L22-U23 SIM. & OPP. HAND)



INSTALLATION SEQUENCE:

1. REMOVE THE EXISTING RIVETS IN THE DOUBLE LACING AT THE CONNECTION TO THE CHANNELS AS SHOWN AND INSTALL NEW HS BOLTS. LIMIT RIVET REMOVAL TO 2 FASTENERS BEFORE INSTALLATION OF NEW BOLTS.
2. INSTALL STRENGTHENING PLATES AS SHOWN.

FASTENER LEGEND:



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ENGINEER OF RECORD
DESIGN ENGINEER

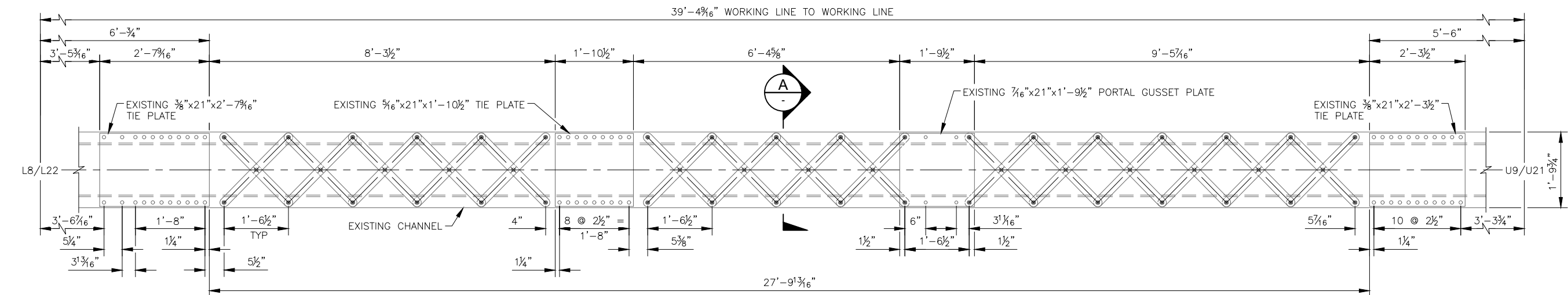
PROJECT NO.: ES40070-5
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DESIGNED BY: CAWO DRAWN BY: BJHE
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PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
SKAGIT COUNTY, WA

**SKAGIT RIVER MARBLEMOUNT
BRIDGE**

TRUSS STRENGTHENING DETAILS 6

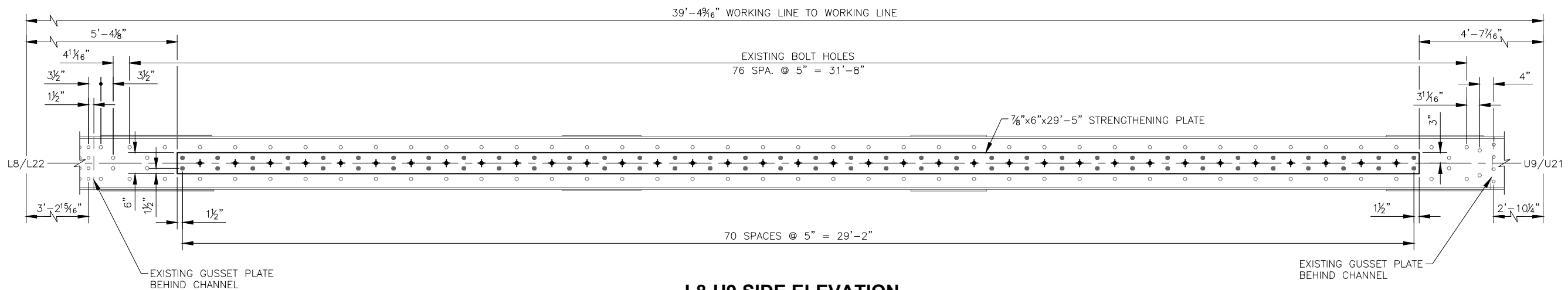
1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
19 OF 35



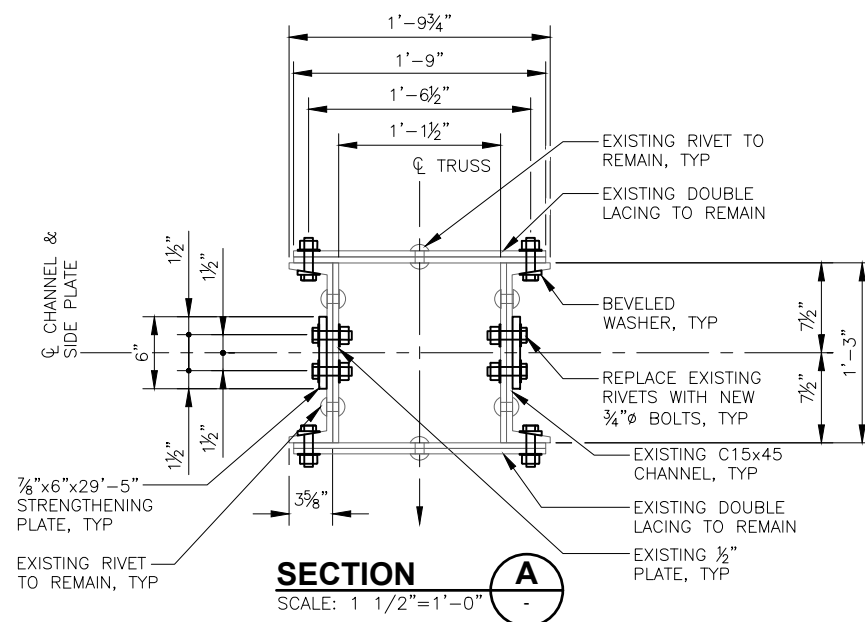
L8-U9 TOP PLAN

(U21-L22 SIM. & OPP. HAND)



L8-U9 SIDE ELEVATION

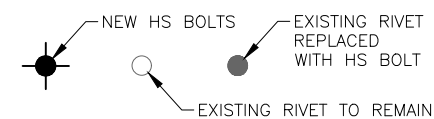
(U21-L22 SIM. & OPP. HAND)



INSTALLATION SEQUENCE:

1. REMOVE THE EXISTING RIVETS IN THE DOUBLE LACING AT THE CONNECTION TO THE CHANNELS AS SHOWN. LIMIT RIVET REMOVAL TO 2 FASTENERS BEFORE INSTALLATION OF NEW BOLTS.
2. REMOVE EXISTING RIVETS IN CONFLICT WITH SIDE PLATE INSTALLATION.
3. MATCH DRILL EXISTING HOLES TO NEW SIDE PLATE.
4. INSTALL SIDE PLATE AS SHOWN.

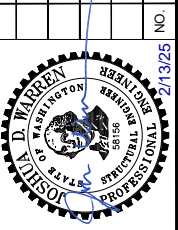
FASTENER LEGEND:



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DESIGN ENGINEER

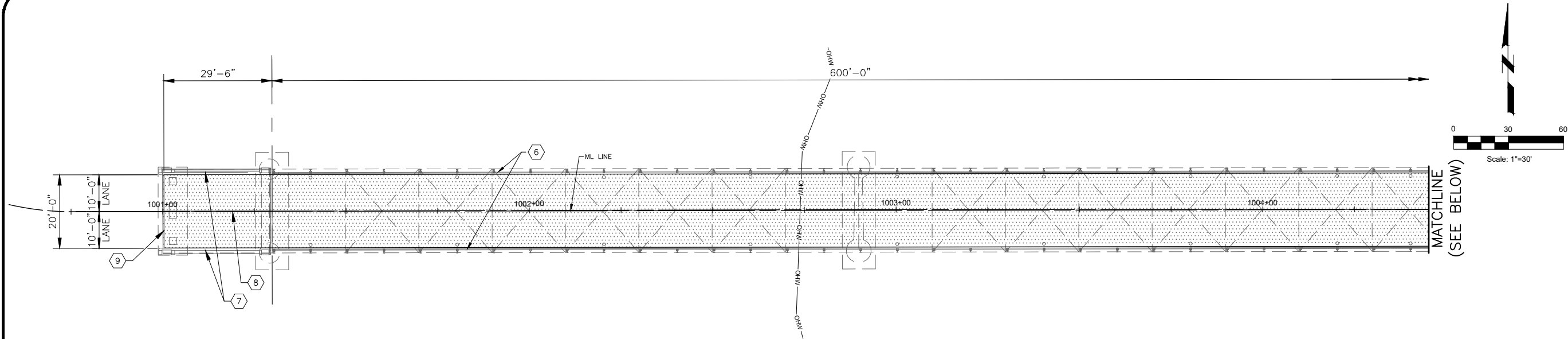
PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-280CS(001)
DESIGNED BY: CAWO	DRAWN BY: BJHE
CHECKED BY: CRAG	APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

**SKAGIT RIVER MARBLEMOUNT
BRIDGE**

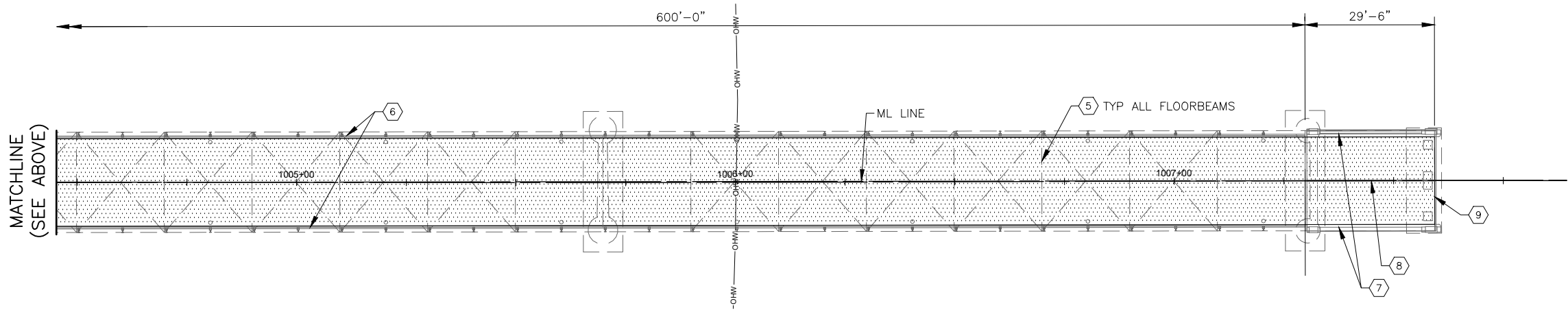
TRUSS STRENGTHENING DETAILS 7

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
20 OF 35



DECK PLAN



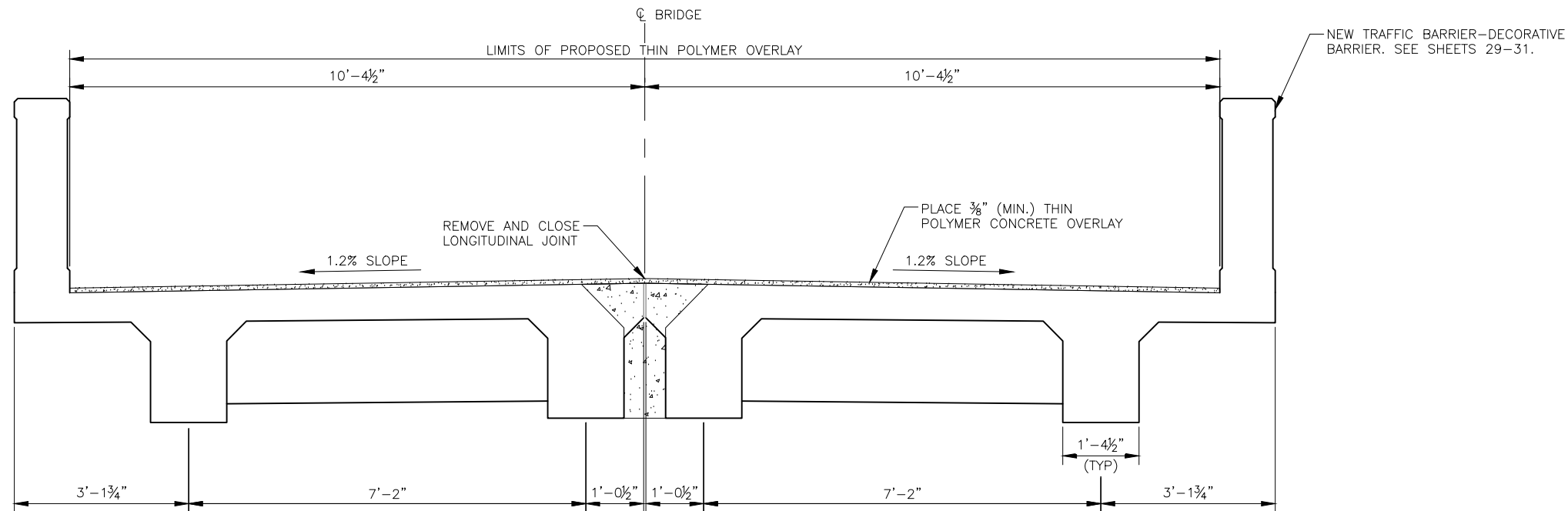
DECK PLAN

KEY NOTES:

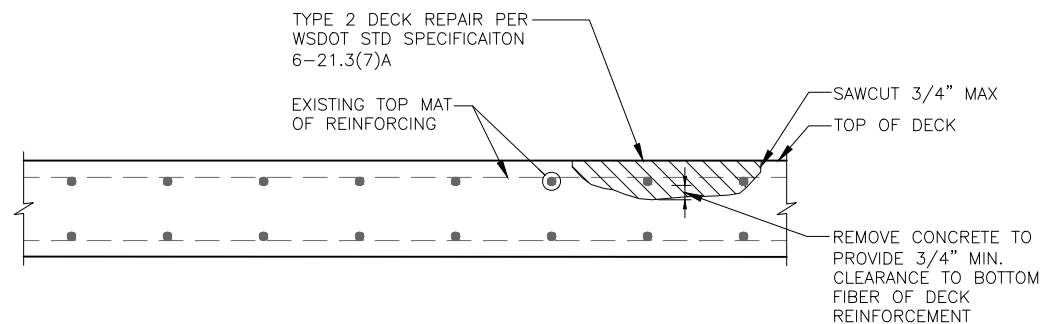
- LIMITS OF BRIDGE DECK REPAIR AND THIN POLYMER CONCRETE OVERLAY
- EXPANSION JOINT MODIFICATION: REMOVE AND REPLACE EXISTING JOINT FILLER AT 29 LOCATIONS (SEE SHEET 27).
- EXISTING BRIDGE METAL BEAM RAIL TO BE REMOVED TEMPORARILY FOR PAINTING OPERATIONS. THEN EACH PIECE SHALL BE RETURNED TO CURRENT LOCATION USING NEW WOOD BLOCKING AND HARDWARE (NUTS, BOLTS, WASHERS, ETC.). AT NO POINT SHALL THE BRIDGE METAL BEAM RAIL BE FULLY REMOVED FROM THE ENTIRE BRIDGE. REMOVALS SHALL COINCIDE WITH PAINTING STAGING. REFER TO "CONTAINMENT LIMITS AND STAGING" SHEET.
- REMOVE EXISTING APPROACH SPAN THRIE BEAM AND DECORATIVE TRAFFIC BARRIER. INSTALL NEW TRAFFIC BARRIER-DECORATIVE BARRIER.
- REMOVE AND CLOSE LONGITUDINAL JOINT ON APPROACH SPAN.
- SAWCUT JOINT BETWEEN APPROACH SPAN THIN POLYMER OVERLAY AND EXISTING ROADWAY ASPHALT. FILL THE JOINT WITH JOINT FILLER PER DETAIL D ON STANDARD PLAN A-40.20-04

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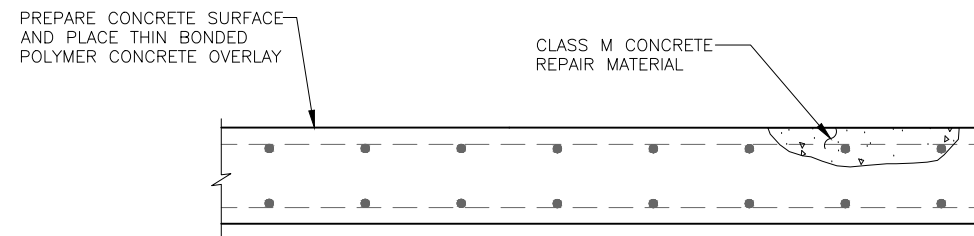
SKAGIT COUNTY PUBLIC WORKS 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405	
ENGINEER OF RECORD	DESIGN ENGINEER
PROJECT NO.: ES40070-5 FED. AID NO.: BHO5-28CS(001) DESIGNED BY: CAWO CHECKED BY: CRAG	DRAWN BY: BJHE APPROVED BY: JDWA PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA
2/18/25	
NO. REVISIONS DATE	
1	
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PROPOSED DECK TYPICAL SECTION APPROACH SPAN
(REINFORCING NOT SHOWN)



PARTIAL DECK REMOVAL DETAIL
(OVERLAY NOT SHOWN FOR CLARITY)



PARTIAL DECK REPAIR DETAIL
(OVERLAY NOT SHOWN FOR CLARITY)

LEGEND:

- LIMITS OF NEW CONCRETE
- THIN POLYMER CONCRETE OVERLAY
- LIMITS OF REMOVAL

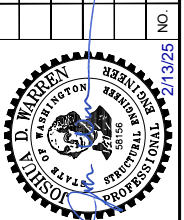
NOTES:

1. ALL UNSOUND CONCRETE SHALL BE REMOVED FROM DECK PRIOR TO PLACING THIN POLYMER CONCRETE OVERLAY. ALL AREAS WHERE UNSOUND CONCRETE IS REMOVED SHALL RECEIVE TYPE 2 DECK REPAIR AS PER STANDARD SPECIFICATION SECTION 6-21.3(7)

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NO.	REVISIONS	DATE

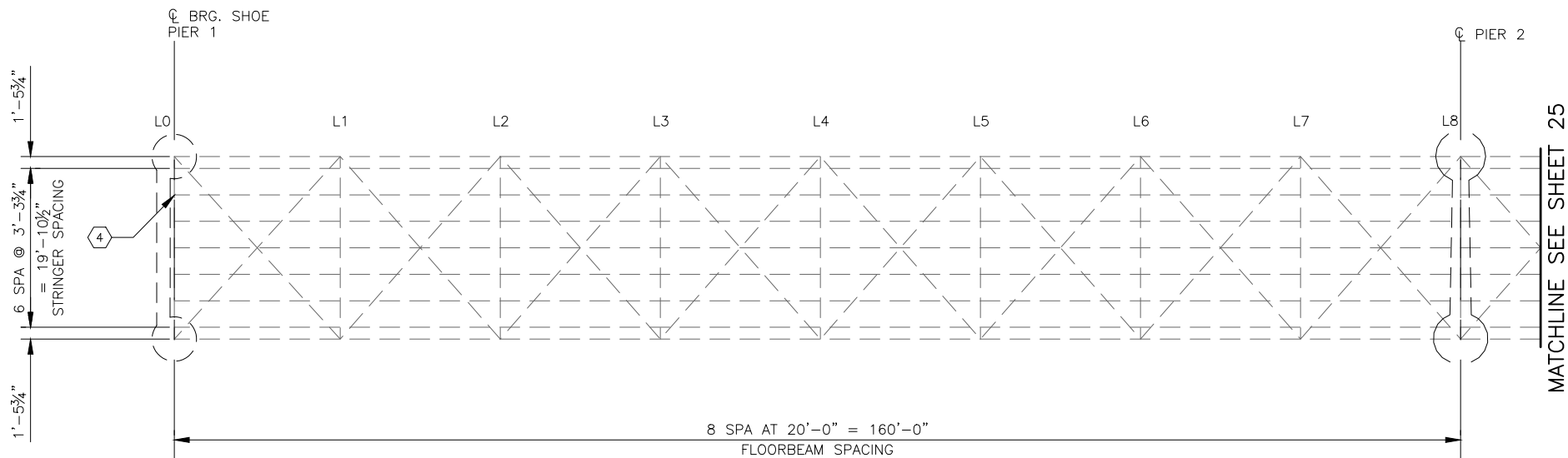


ENGINEER OF RECORD
DESIGN ENGINEER

PROJECT NO.: ES40070-5	DESIGNED BY: CAWO	CHECKED BY: CRAG	APPROVED BY: JDWA
FED. AID NO.: BHOS-280CS(001)	DRAWN BY: BJHE	PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

SKAGIT RIVER MARBLEMOUNT BRIDGE
CONCRETE DECK REPAIR DETAILS

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY
SHEET
23 OF 35



BOTTOM FLOOR SYSTEM - SPAN 2
SEE SHEET 22 FOR ADDITIONAL INFORMATION

KEY NOTE:
4 REMOVE EXISTING STEEL SLIDING PLATE JOINT AND
REPLACE WITH STRIP SEAL JOINT




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SKAGIT RIVER MARBLEMOUNT BRIDGE	PROJECT NO.: ES40070-5	
	FED. AID NO.: BHOS-28CS(001)	
	DESIGNED BY: CAWO	DRAWN BY: BJHE
	CHECKED BY: CRAG	APPROVED BY: JDWA
BOTTOM FLOOR SYSTEM DETAILS - SPAN 2	PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

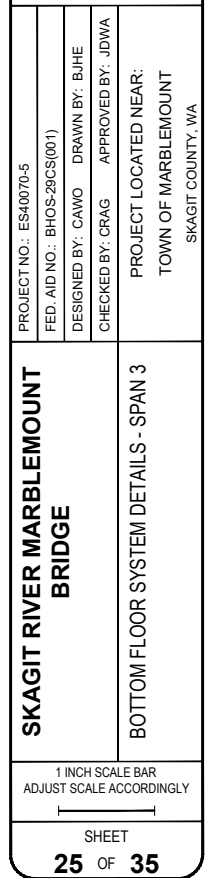
1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
24 OF 35

ENGINEER OF RECORD
DESIGN ENGINEER



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</			



**SKAGIT COUNTY
PUBLIC WORKS**

1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5622
(360) 416-1400 FAX (360) 416-1400

DESIGN ENGINEER

PROJECT NO.: ES40070-5
FED. AID NO.: BHOS-29CS(001)

PROJECT NO.: ES40070-5

FED. AID NO.: BHOS-29CS(001)

DESIGNED BY: CAWO DRAWN BY: BJHE
CHECKED BY: CRAG APPROVED BY: JDWA

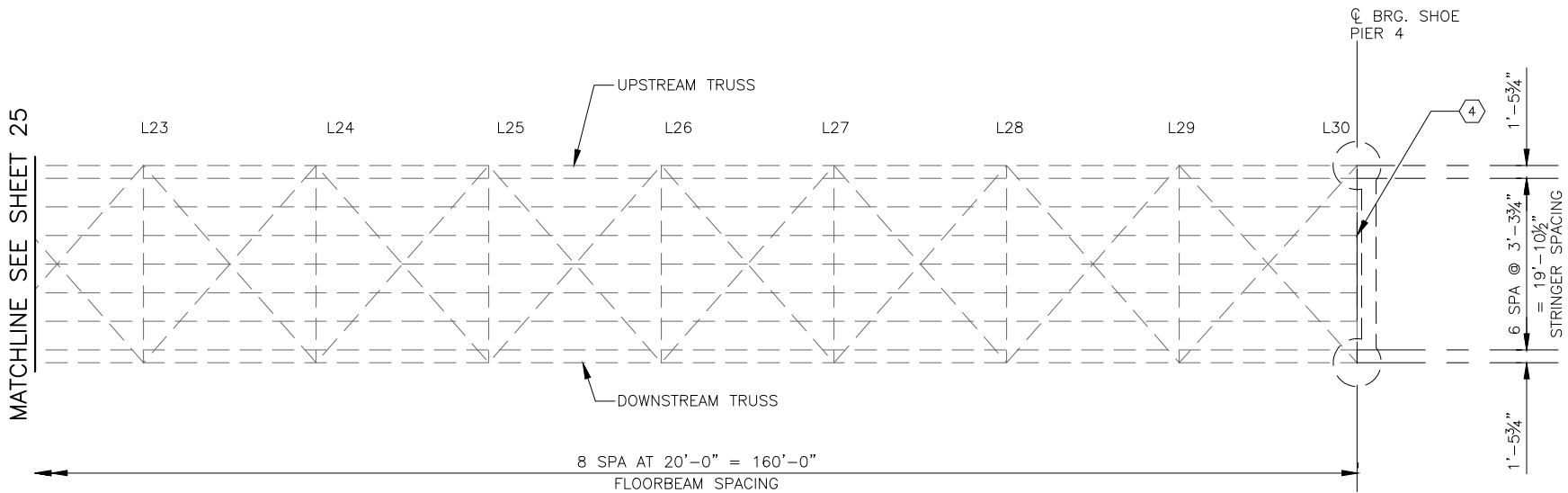
PROJECT LOCATED NEAR:
TOWN OF MARBLEMOUNT
SKAGIT COUNTY, WA

SKAGIT RIVER MARBLEMOUNT BRIDGE

BOTTOM FLOOR SYSTEM DETAILS - SPAN 3

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
25 OF **35**



BOTTOM FLOOR SYSTEM - SPAN 4
SEE SHEET 22 FOR ADDITIONAL INFORMATION

KEY NOTE:

- ④ REMOVE EXISTING STEEL SLIDING PLATE JOINT AND
REPLACE WITH STRIP SEAL JOINT

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Bellevue Washington 98007
Phone: 425.519.6500

PROJECT NO.: ES40070-5
FED. AID NO.: BHOS-28CS(001)
DESIGNED BY: CAWO DRAWN BY: BJHE
CHECKED BY: CRAG APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA

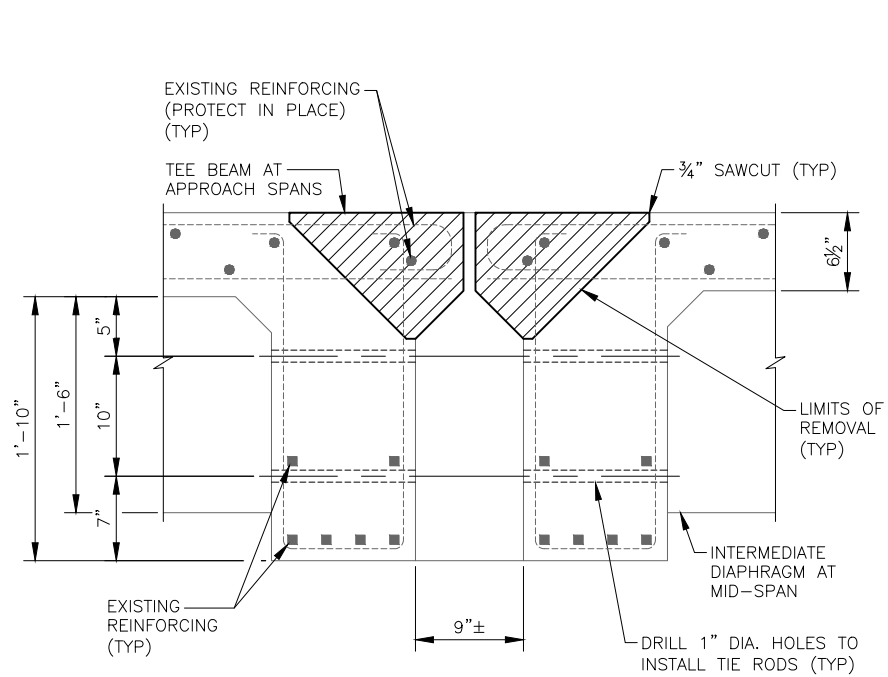
SKAGIT RIVER MARBLEMOUNT BRIDGE
BOTTOM FLOOR SYSTEM DETAILS - SPAN 4

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

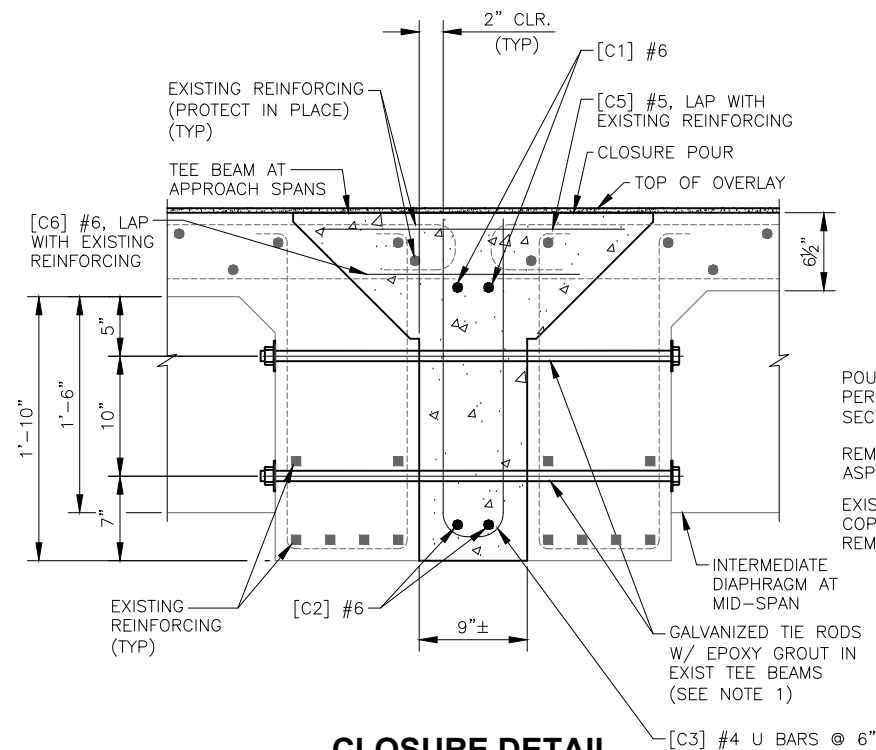
SHEET
26 OF 35

ENGINEER OF RECORD	DESIGN ENGINEER	NO.	REVISIONS	DATE

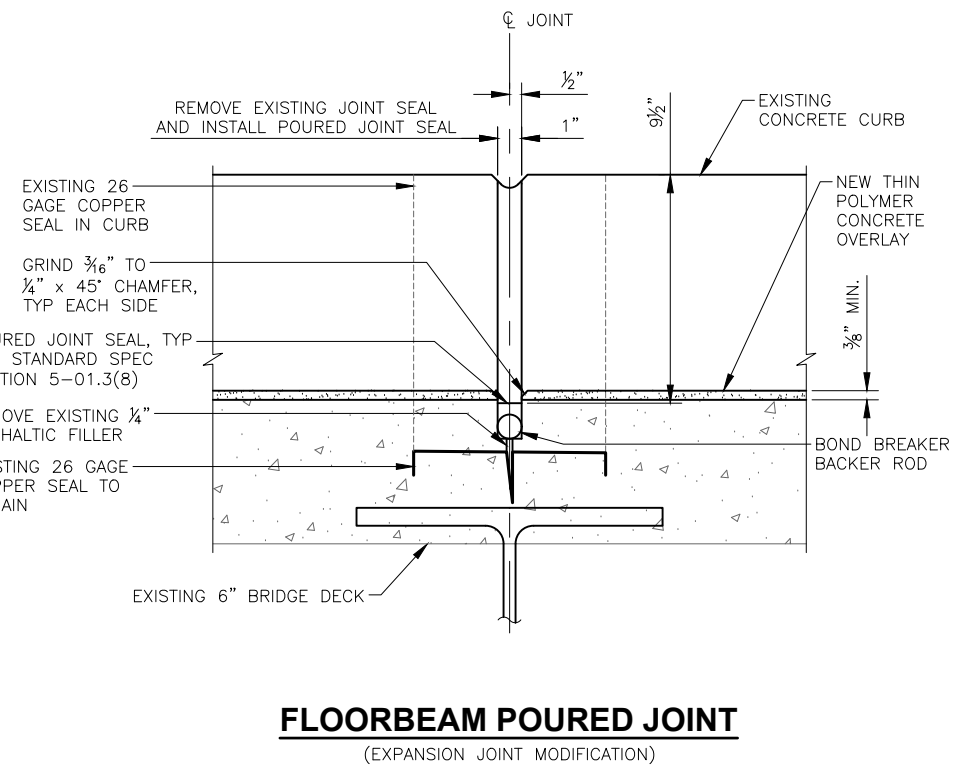
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REMOVAL DETAIL

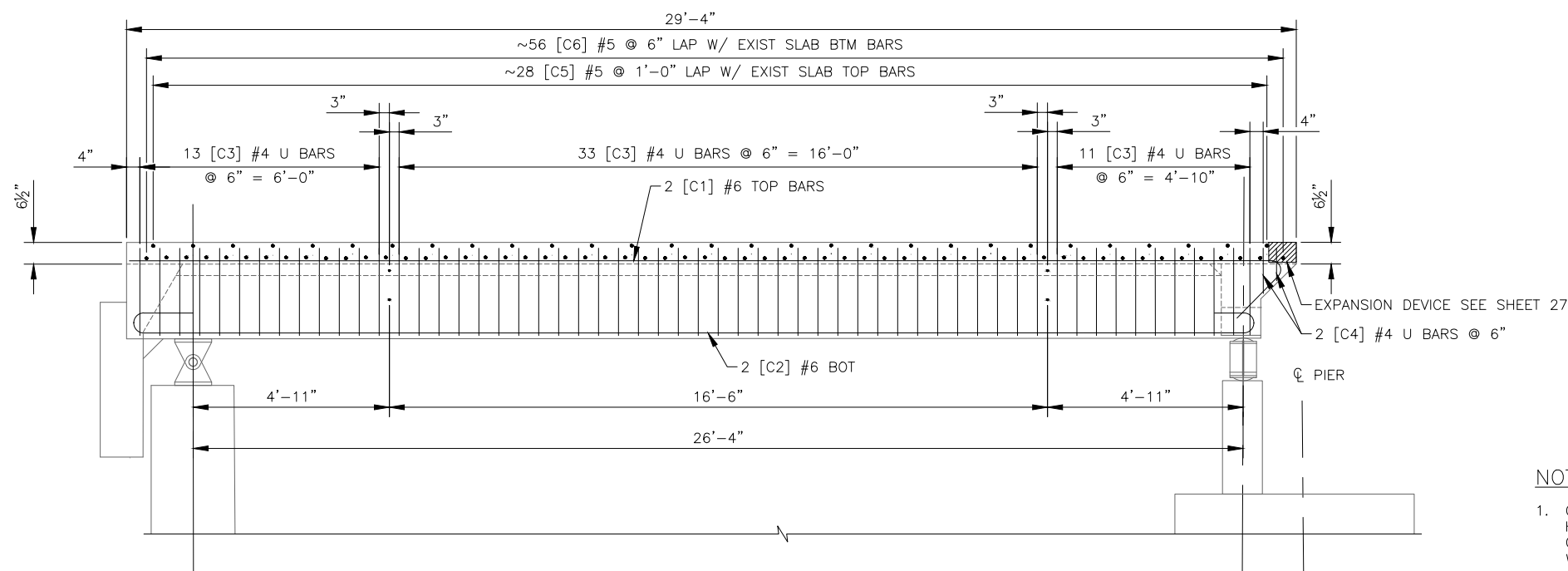


CLOSURE DETAIL



FLOORBEAM POURED JOINT
(EXPANSION JOINT MODIFICATION)

LONGITUDINAL JOINTS IN APPROACH SPANS



LONGITUDINAL CLOSURE W/ TIE RODS

SPAN 1 SHOWN, SPAN 5 SIMILAR
(OVERLAY NOT SHOWN)

APPROXIMATE LONGITUDINAL
CLOSURE QUANTITIES
(PER APPROACH)
CONCRETE 0.1 CY/LF
PLAIN REINF. 18 LB/LF


NOTE:

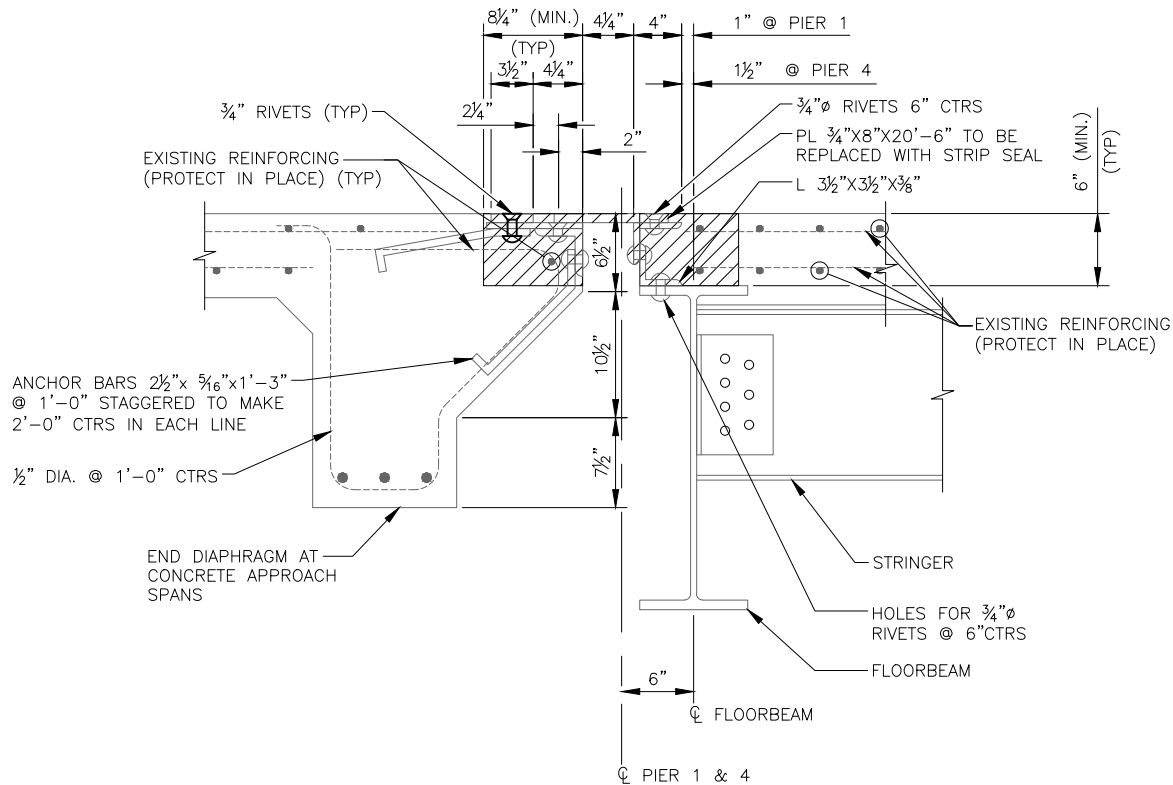
1. GALVANIZED TIE RODS SHALL BE 3/4" HIGH-STRENGTH STEEL BARS THAT CONFORM TO AASHTO M 275, TYPE II. W/ 1- HARDENED WASHER AND 1-HEXAGONAL NUT AT EACH END.

LEGEND:

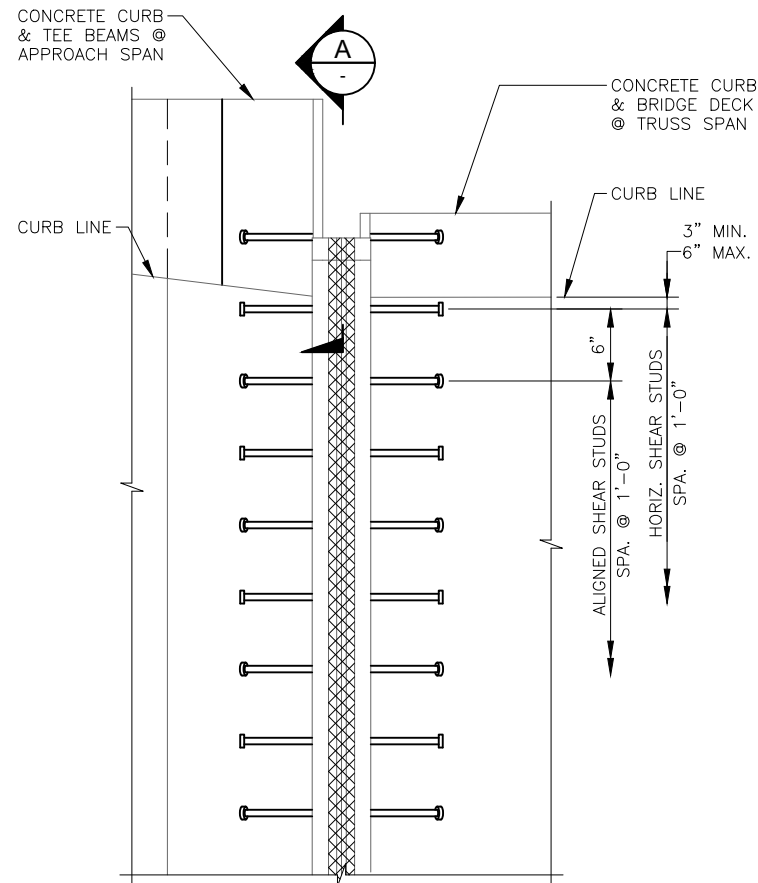
- LIMITS OF REMOVAL
- THIN BONDED POLYMER CONCRETE OVERLAY
- CONCRETE CLASS 4000

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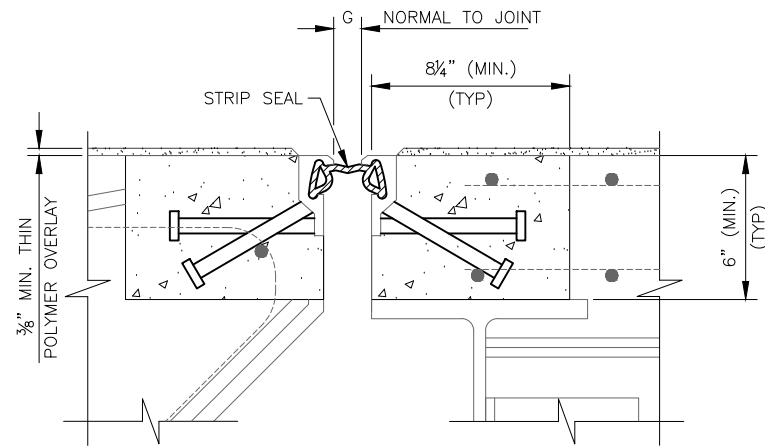
SKAGIT COUNTY PUBLIC WORKS		1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405	
		ENGINEER OF RECORD DESIGN ENGINEER	DATE REVISIONS NO.
PROJECT NO.: ES40070-5 FED. AID NO.: BHOS-28CS(001) DESIGNED BY: CAWO CHECKED BY: CRAG DRAWN BY: BJHE APPROVED BY: JDWA		PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	
SKAGIT RIVER MARBLEMOUNT BRIDGE		DECK JOINT RESTORATION DETAILS	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY		SHEET 27 OF 35	



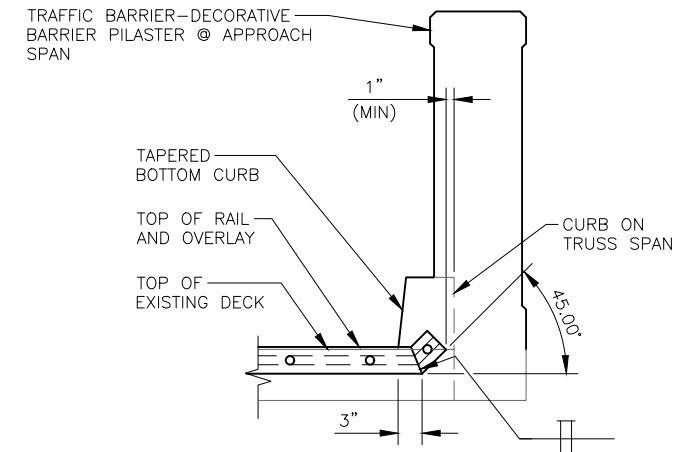
EXISTING EXPANSION JOINT REMOVAL DETAILS



EXPANSION JOINT PLAN






EXPANSION JOINT DETAIL



SECTION A

STEEL SHAPE TYPES

MANUFACTURER	ITEM NAME	BRIDGE DECK			TRAFFIC BARRIERS					
										
		TYPE	S	T	TYPE	V	W	TYPE	X	Y
D.S. BROWN	DSB STRIP SEAL	SSCM2	1¼"	3¾"	SSA2	1¼"	2"	SSE2M	1"	1½"
WATSON BOWMAN ACME	WABO STRIP SEAL	R	1¼"	3¾"	A	1¼"	2"	E	1½"	1½"

2" MOTION RANGE (@ PIER 1)

MANUFACTURER	ITEM NAME	OPENING "G" NORMAL TO JT.		MIN. INSTALLATION WIDTH NORMAL TO JOINT	OPENING "G" NORMAL TO JT.		
		MIN.	MAX.		@40°F	@64°F	@80°F
D.S. BROWN	A2R-400 OR E2M-SEAL	1/2"	4 1/2"	2"	2 3/4"	2 1/2"	2 1/4"
WATSON BOWMAN ACME	WABO STRIP SEAL SE-300	0"	3"	1 1/2"	1 3/4"	1 1/2"	1 1/4"

5" MOTION RANGE (@ PIER 4)

MANUFACTURER	ITEM NAME	OPENING "G" NORMAL TO JT.		MIN. INSTALLATION WIDTH NORMAL TO JOINT	OPENING "G" NORMAL TO JT.		
		MIN.	MAX.		@40°F	@64°F	@80°F
D. S. BROWN	DSB STRIP SEAL A2R-XTRA	1/2"	7 1/2"	2"	4 3/4"	3 3/4"	3 3/4"
WATSON BOWMAN ACME	WABO STRIP SEAL SE-500	0"	5"	2"	3 3/4"	2 3/4"	**

** MINIMUM OPENING NORMAL TO JOINT PRIOR TO INSTALLATION IS 2". MAXIMUM AMBIENT TEMPERATURE FOR INSTALLATION OF THIS JOINT IS 70 DEG WITH AN OPENING OF 2 1/8".

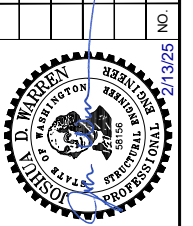
LEGEND:

- LIMITS OF REMOVAL
- THIN BONDED POLYMER CONCRETE OVERLAY
- CONCRETE CLASS 4000

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MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE
1		

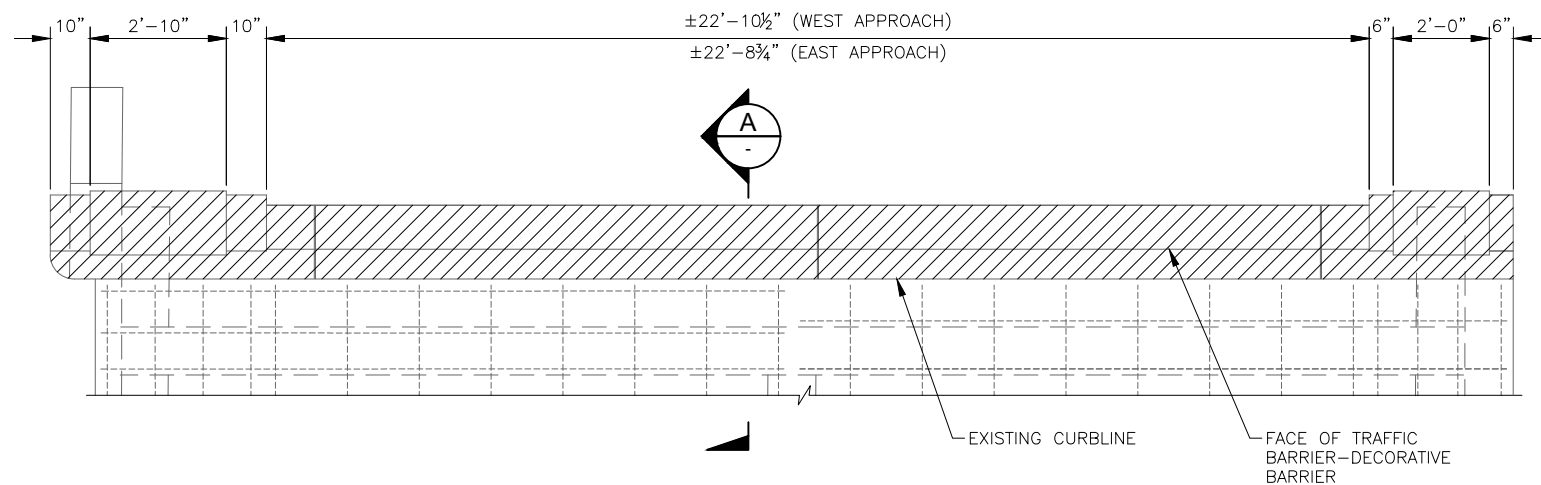


ENGINEER OF RECORD
DESIGN ENGINEER

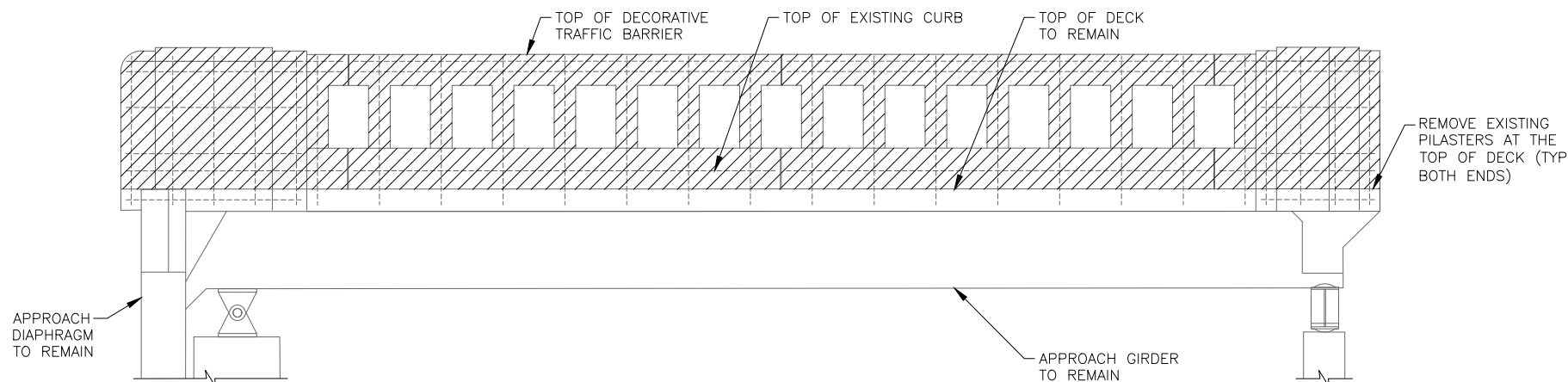
PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-280CS(001)	DESIGNED BY: CAWO	DRAWN BY: BJHE	CHECKED BY: CRAG	APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA					

SKAGIT RIVER MARBLEMOUNT BRIDGE
EXPANSION JOINT RESTORATION DETAILS

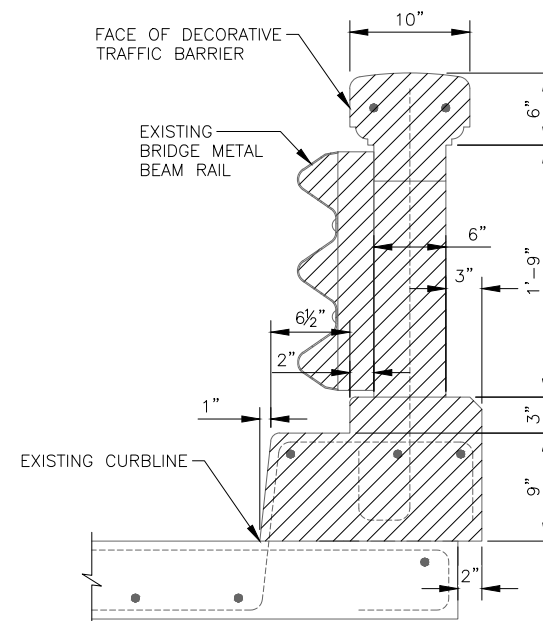
1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY
SHEET
28 OF 35



PLAN
Scale: 1/2" = 1'-0"



**ELEVATION OF WEST APPROACH
EAST APPROACH (SIM. & OPP. HAND)**
(EXISTING BRIDGE METAL BEAM RAIL NOT SHOWN)
Scale: 1/2" = 1'-0"

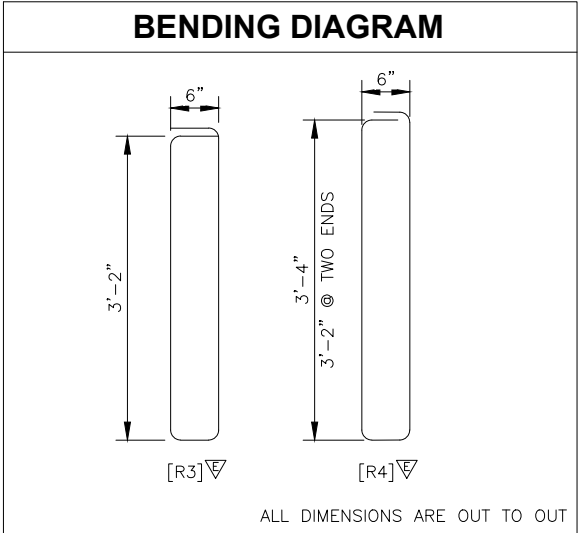


SECTION A
Scale: 1 1/2" = 1'-0"

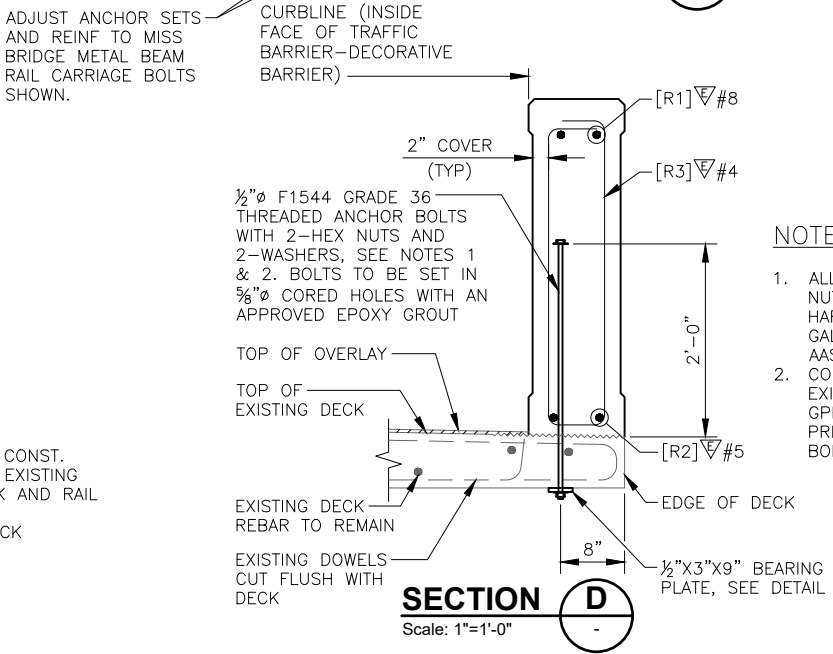
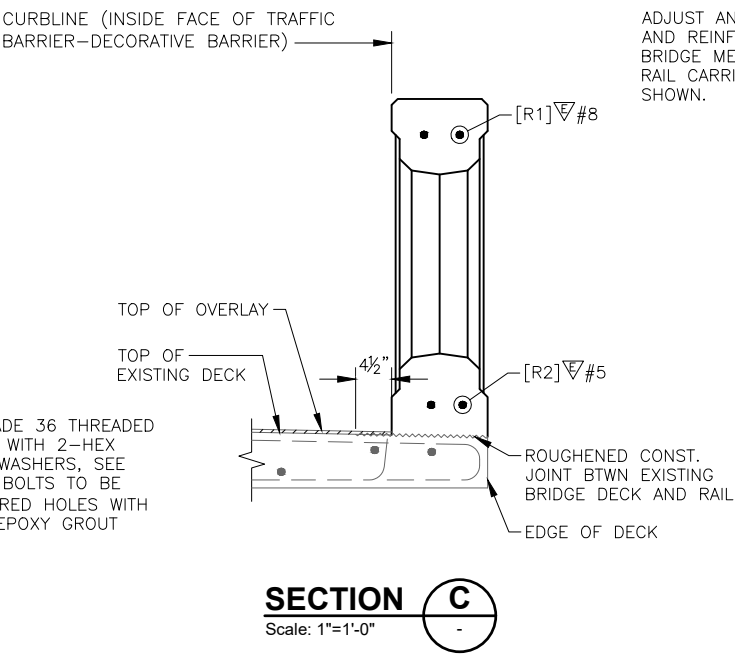
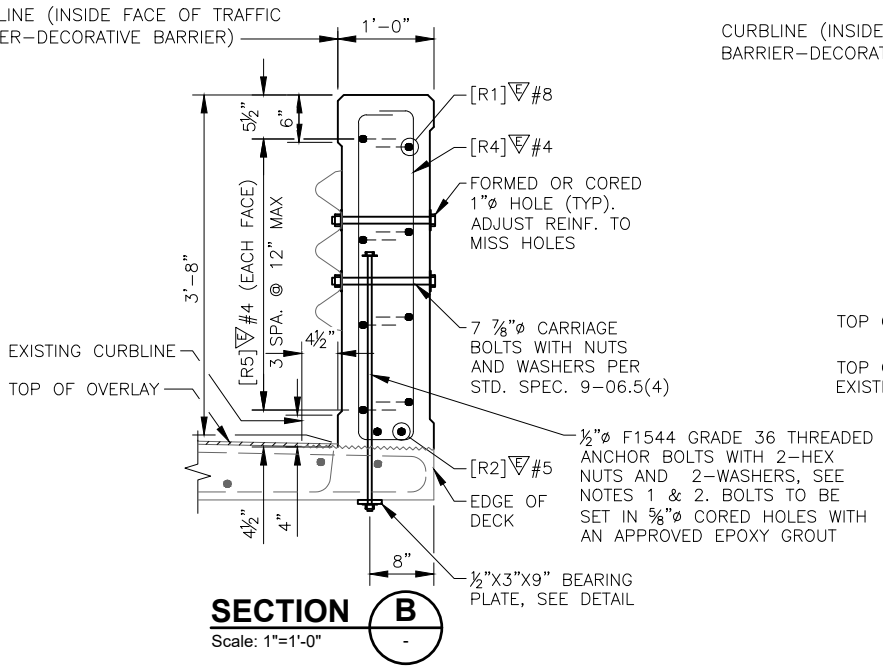
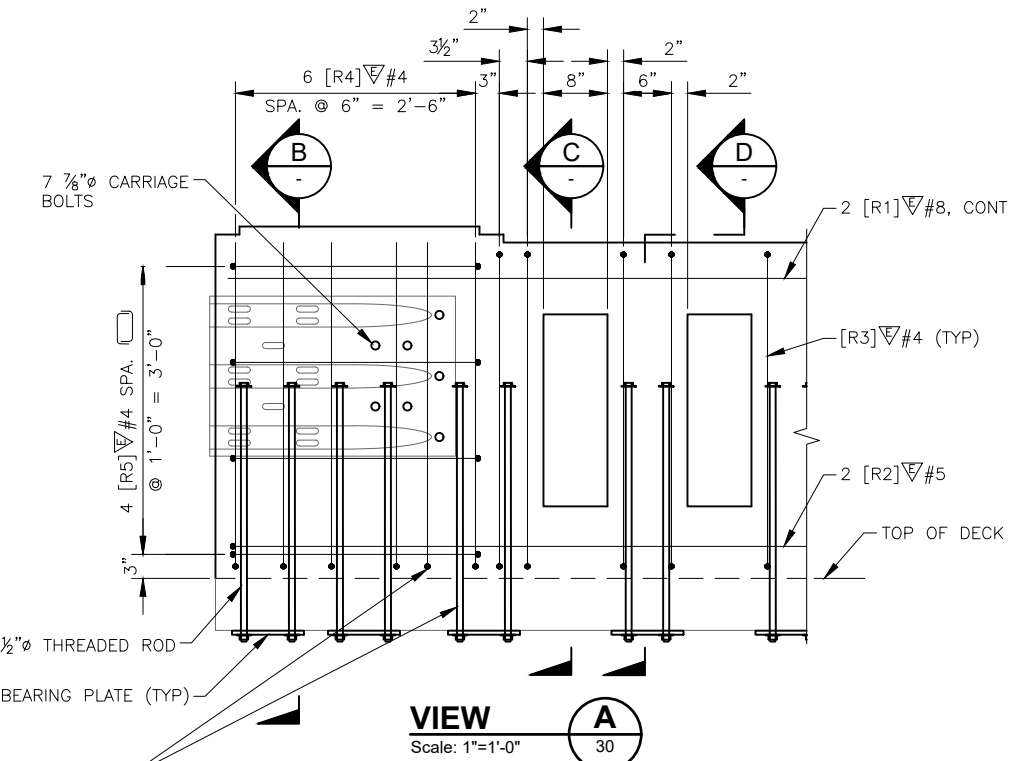
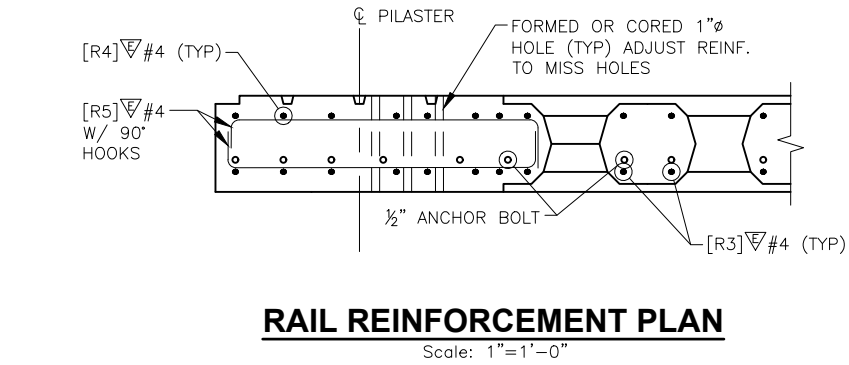
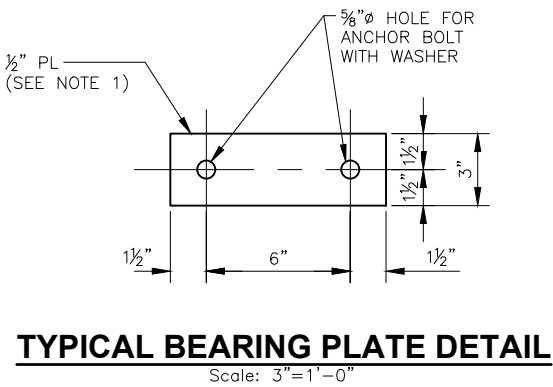
LEGEND:
LIMITS OF REMOVAL

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Phone: 425.519.6500

SKAGIT COUNTY PUBLIC WORKS 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405	
PROJECT NO.: ES40070-5 FED. AID NO.: BHO5-28CS(001) DESIGNED BY: CAWO CHECKED BY: CRAG 	DRAWN BY: BJHE APPROVED BY: JDWA
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	
SKAGIT RIVER MARBLEMOUNT BRIDGE EXISTING DECORATIVE TRAFFIC BARRIER ON APPROACH SPANS	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY 	
SHEET 29 OF 35	



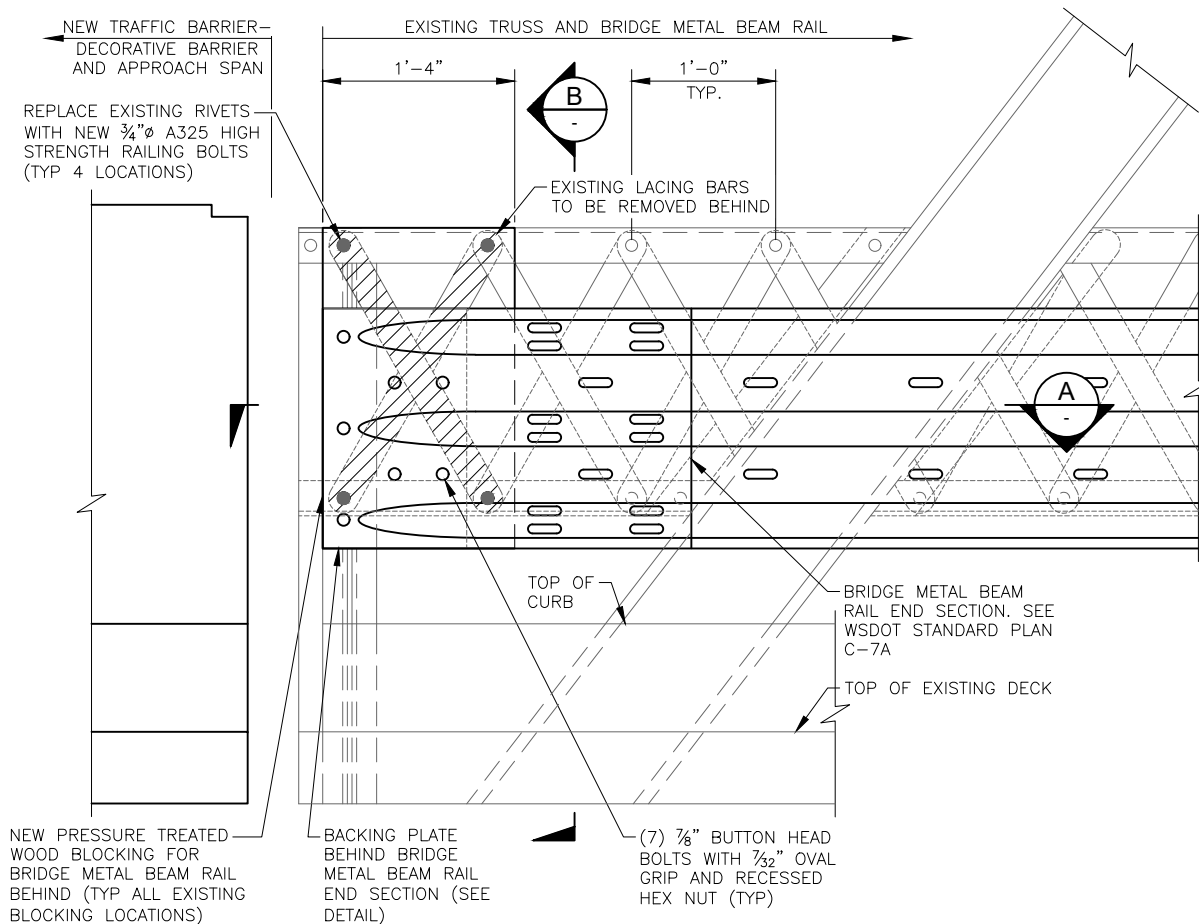
APPROXIMATE TRAFFIC BARRIER-DECORATIVE
BARRIER QUANTITIES
(PER TRAFFIC BARRIER-DECORATIVE BARRIER)
CONCRETE.....0.18 CY/LF
EPOXY REINF.....17 LB/LF



- NOTES:**
1. ALL STEEL PLATES, ANCHOR BOLTS, NUTS, WASHERS, AND STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111 AND M232.
 2. CONTRACTOR SHALL LOCATE EXISTING DECK REINFORCING, USING GPR OR APPROVED EQUIVALENT, PRIOR TO CORING FOR ANCHOR BOLTS.

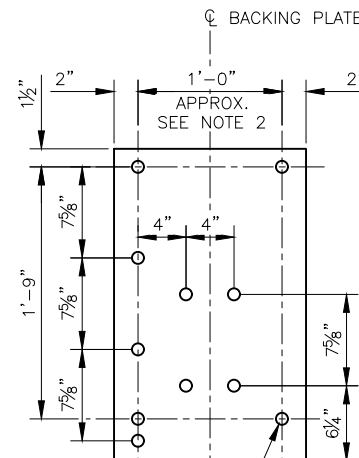
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Phone: 425.519.6500

SKAGIT COUNTY PUBLIC WORKS		1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405	
PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-28CS(001)	DESIGNED BY: CAWO	DRAWN BY: BJHE
CHECKED BY: CRAG	APPROVED BY: JDWA	PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	
SKAGIT RIVER MARBLEMOUNT BRIDGE		DECORATIVE TRAFFIC BARRIER REPLACEMENT DETAILS 2	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY			
SHEET 31 OF 35			



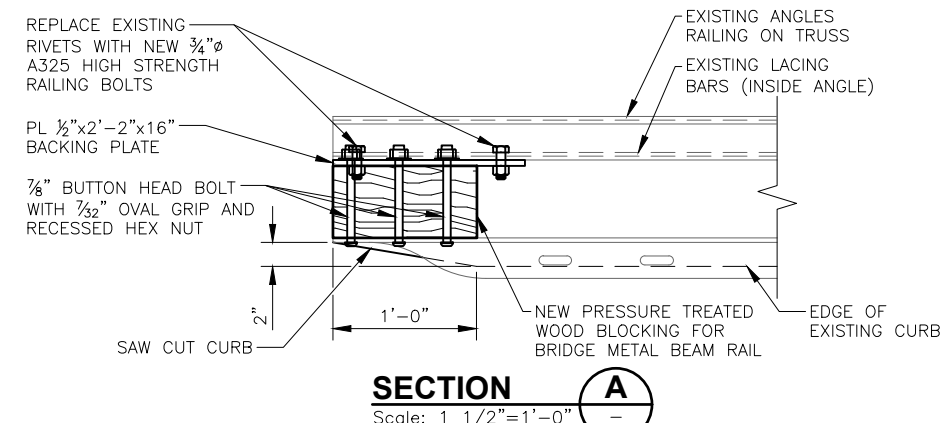
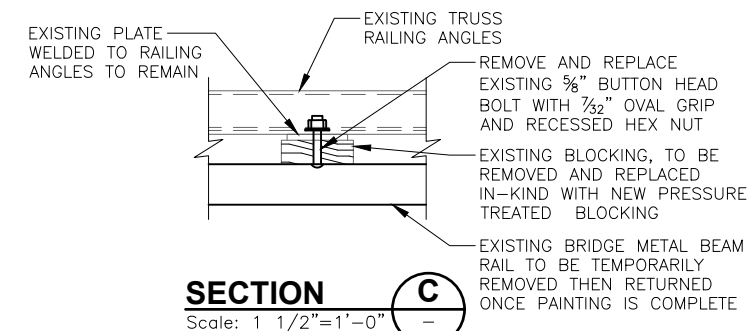
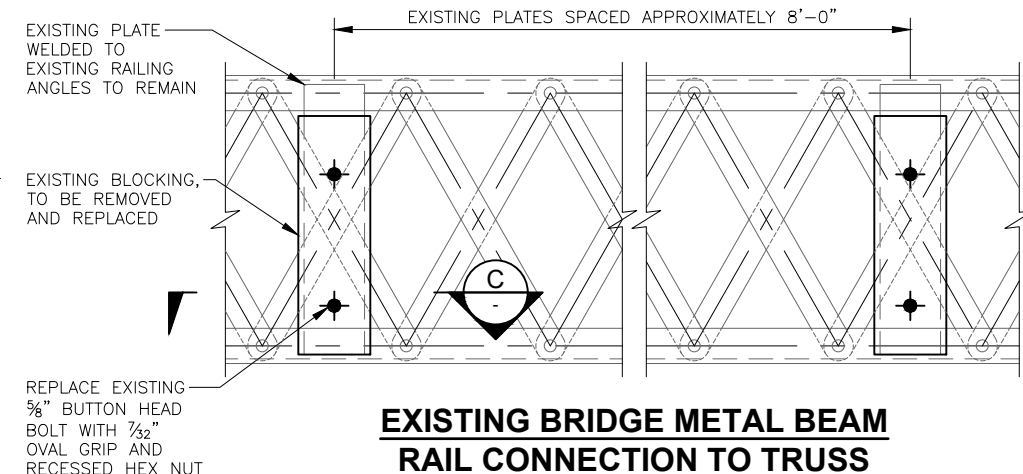
BRIDGE METAL BEAM RAIL TERMINATION (TRUSS SIDE)

Scale: 1 1/2"=1'-0"



BACKING PLATE

Scale: 1 1/2"=1'-0"



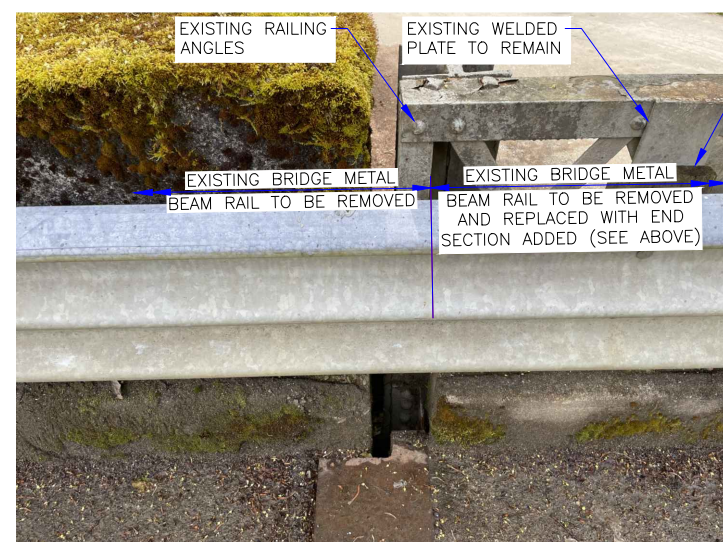
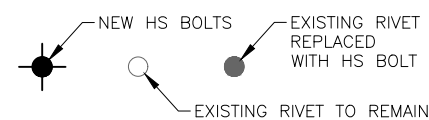
LEGEND:

LIMITS OF REMOVAL

NOTES:

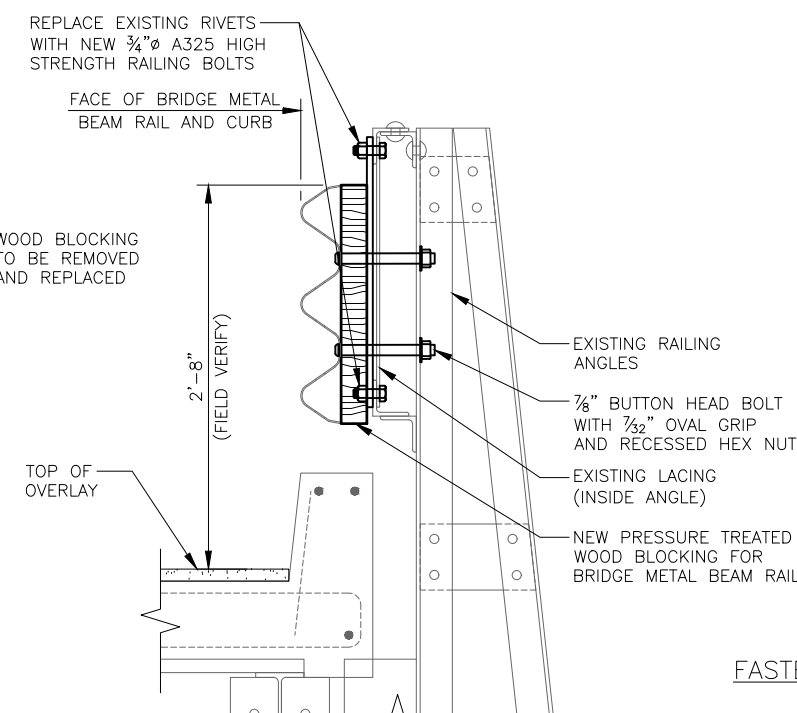
- ATTACH END SECTION TO EXISTING BRIDGE METAL BEAM RAIL AFTER COMPLETION OF PAINTING AND REATTACHMENT OF EXISTING BRIDGE METAL BEAM RAIL USING $\frac{7}{8}$ " DIAMETER BOLTS (SEVEN MINIMUM) PER STANDARD SPECIFICATION SECTION 9-06.5(3).
- BOLT HOLE LOCATIONS AND SPACING SHALL BE ADJUSTED AS NECESSARY TO ACCOMMODATE FIELD DIMENSIONS. CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.

FASTENER LEGEND:



EXISTING CONDITIONS

Scale: 1 1/2"=1'-0"

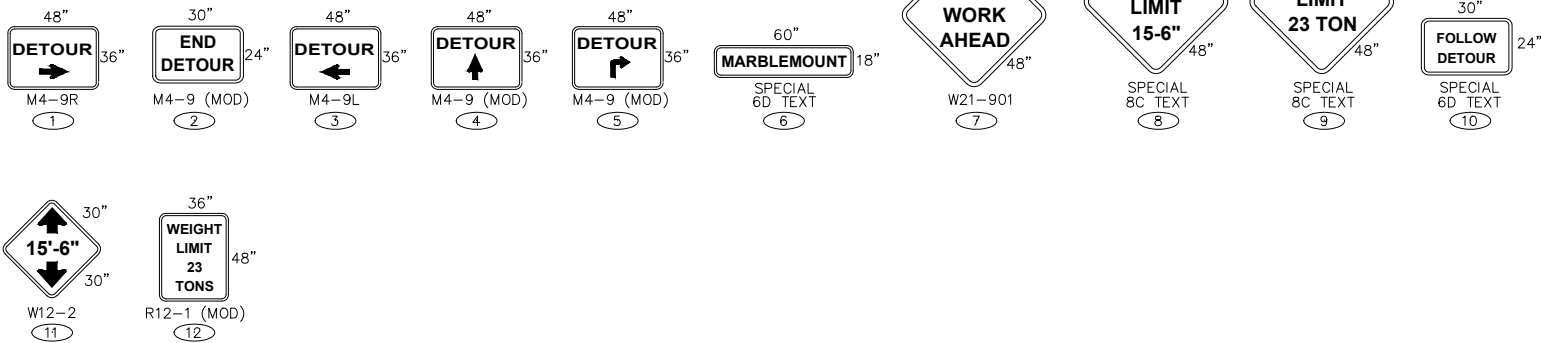


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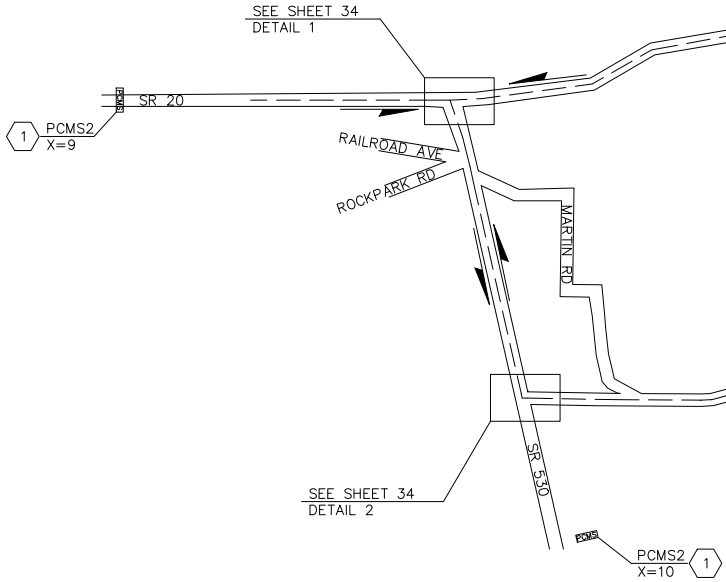
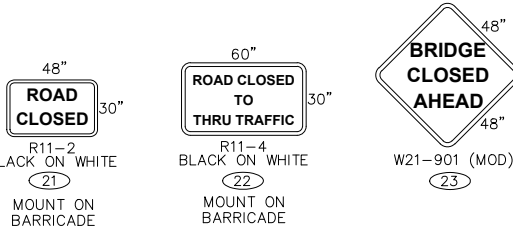
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SKAGIT COUNTY PUBLIC WORKS 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405			
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SKAGIT RIVER MARBLEMOUNT BRIDGE		BRIDGE METAL BEAM RAIL DETAILS	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY		SHEET 32 OF 35	
ENGINEER OF RECORD JOSEPH D. WARRICK WASHINGTON STATE ENGINEER 58156 PROFESSIONAL SEAL		NO. 213125	
DESIGN ENGINEER		REVISIONS	
		DATE	

SIGN LEGEND:



SIGN LEGEND (FOR MARBLEMOUNT FULL CLOSURE ONLY):



PCMS1	
PHASE 1	PHASE 2
BRIDGE WILL BE CLOSED	MO-DAY THRU MO-DAY
2.0 SEC	2.0 SEC

FIELD LOCATE

PCMS2	
PHASE 1	PHASE 2
BRIDGE CLOSED X MILES	FOLLOW DETOUR
2.0 SEC	2.0 SEC

USED ONLY DURING FULL CLOSURE. FIELD LOCATE.



LEGEND	
TYPE 3 BARRICADE	///
ROAD CLOSED / WORK ZONE	▨
DETOUR ROUTE	---
TEMPORARY SIGN LOCATION (CLASS A)	K
PORTABLE CHANGEABLE MESSAGE SIGN	PCMS
EX. SIGN POST	d
EX. PORTABLE SIGNAL SYSTEM	△
EX. CHANNELIZATION DEVICE	B

GENERAL NOTES:

1. CONTRACTOR TO PROVIDE ADVANCED NOTICE SIGNING 14 DAYS IN ADVANCE OF MARBLEMOUNT FULL CLOSURE.
2. INSTALL DETOUR SIGNS AND PCMS BOARDS PRIOR TO WORK ON MARBLEMOUNT BRIDGE AND MAINTAIN THROUGHOUT CONSTRUCTION UNLESS OTHERWISE NOTED.
3. SEE SHEET 35 FOR ADDITIONAL MARBLEMOUNT BRIDGE FULL CLOSURE DETAILS.
4. ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES

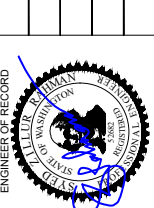
1. FOR MARBLEMOUNT FULL CLOSURE, INSTALL PCMS2
2. FOR MARBLEMOUNT FULL CLOSURE, COVER SIGN 8
3. FOR MARBLEMOUNT FULL CLOSURE, COVER BOTH SIGNS
4. FOR MARBLEMOUNT FULL CLOSURE, REPLACE SIGN 7 WITH SIGN 23



SKAGIT COUNTY
PUBLIC WORKS

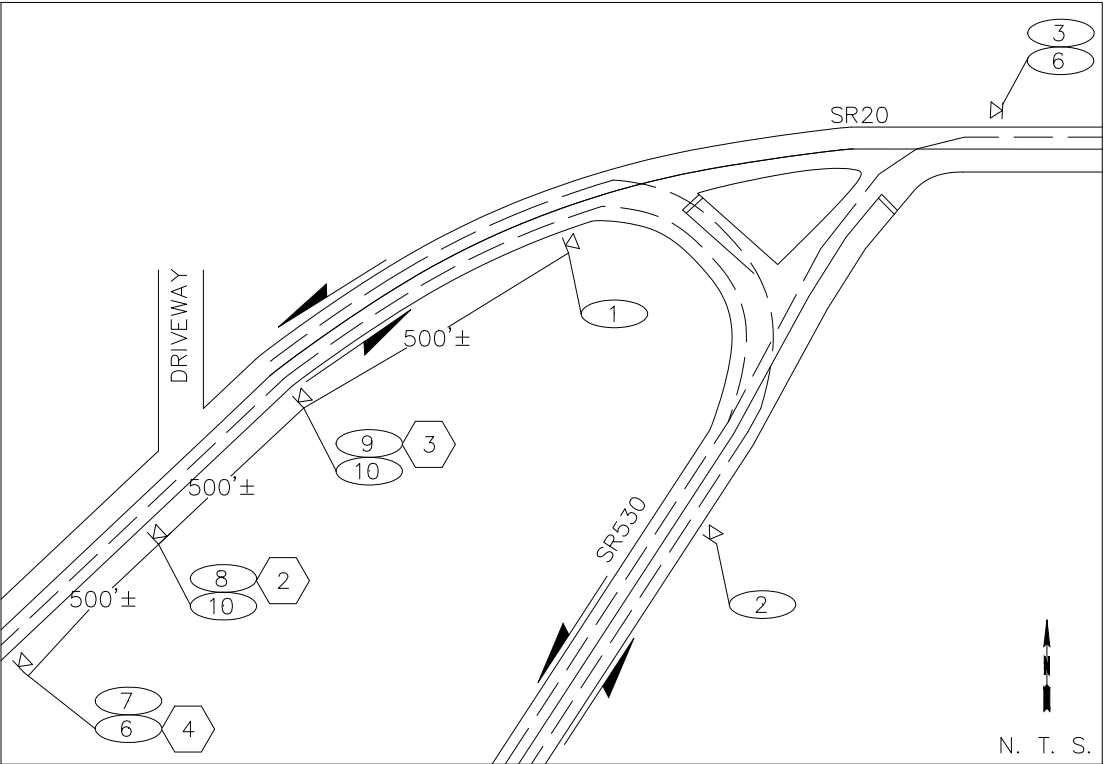
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

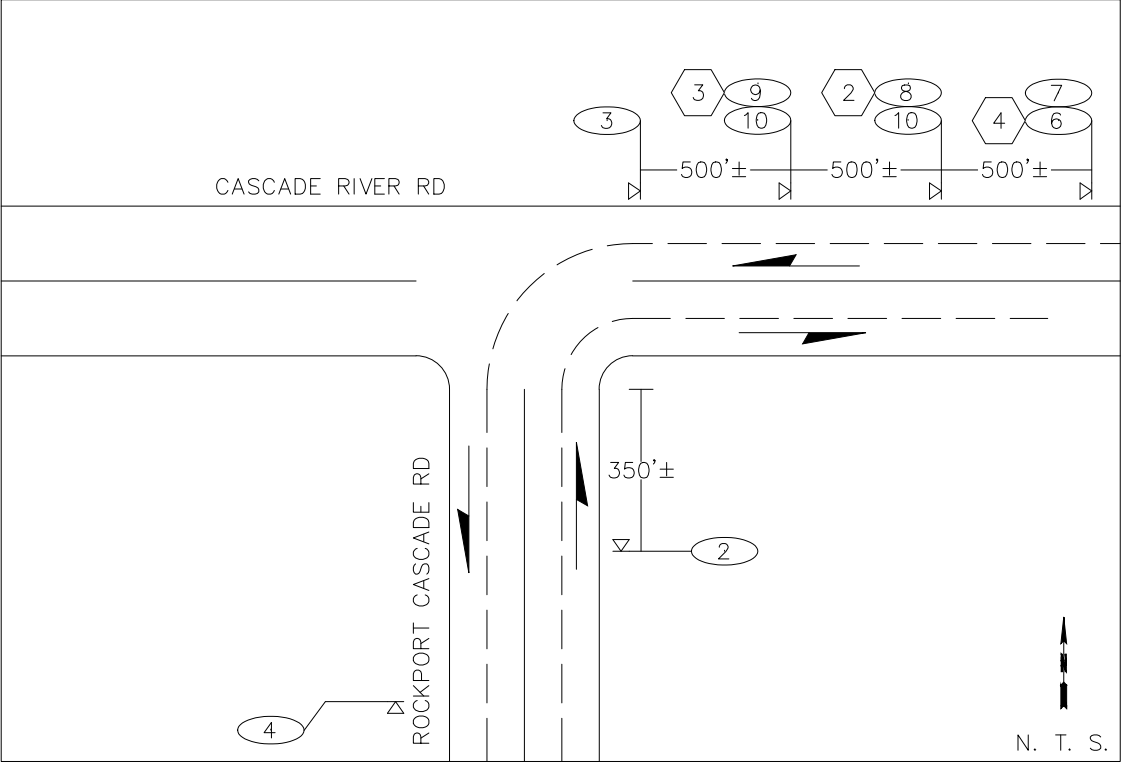


PROJECT NO.: ES40070-5	FED. AID NO.: BHOS-29CS(001)
DESIGNED BY: FC	DRAWN BY: FC
CHECKED BY: SR	APPROVED BY: SR
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA	

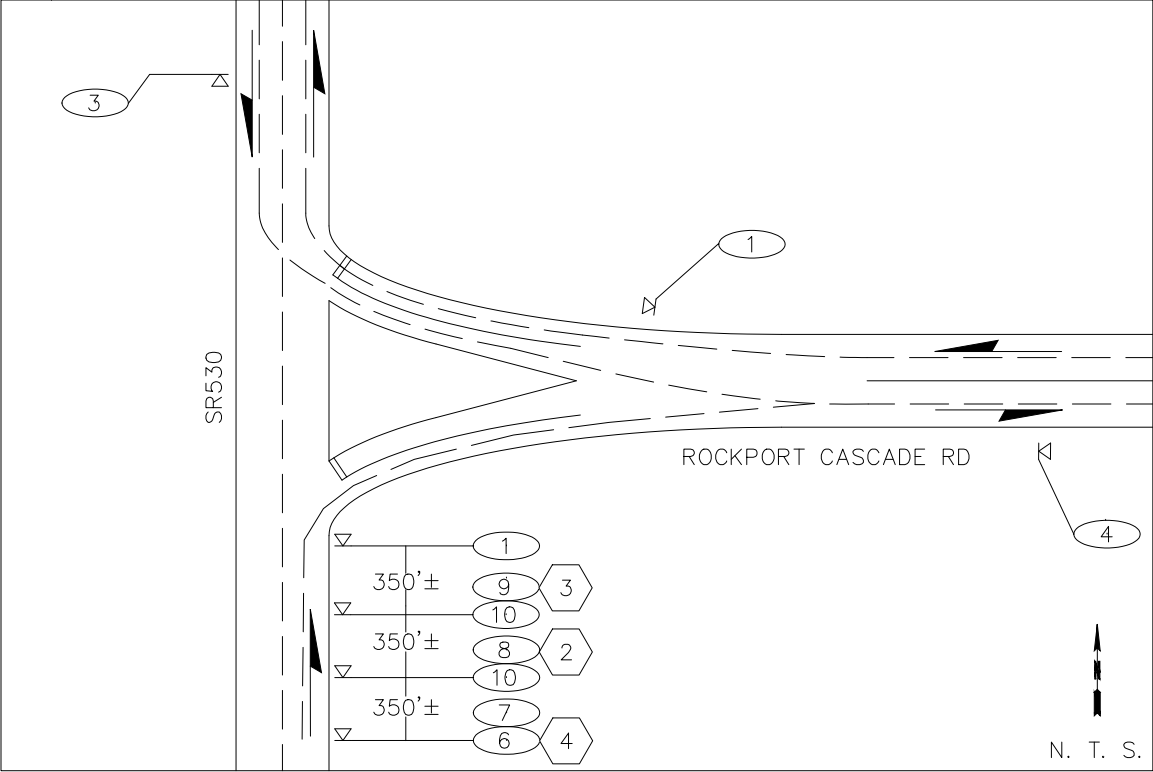
SKAGIT RIVER MARBLEMOUNT BRIDGE	TEMPORARY DETOUR PLAN
------------------------------------	-----------------------



DETAIL 1 – SR530 AND SR20 INTERSECTION



DETAIL 3 – CASCADE RIVER RD AND
ROCKPORT CASCADE RD INTERSECTION



DETAIL 2 – SR530 AND ROCKPORT CASCADE RD INTERSECTION

GENERAL NOTES:
1. SEE SHEET 33 FOR ADDITIONAL NOTES AND LEGENDS.



SKAGIT COUNTY PUBLIC WORKS 1800 CONTINENTAL PLACE MOUNT VERNON, WA 98273-5625 (360) 416-1400 FAX (360) 416-1405			
PROJECT NO.: ES40070-5		DATE	
FED. AID NO.: BHOS-29CS(001)		REVISIONS	
DESIGNED BY: FC		NO.	
CHECKED BY: SR		2/12/25	
APPROVED BY: SR			
PROJECT LOCATED NEAR: TOWN OF MARBLEMOUNT SKAGIT COUNTY, WA			
SKAGIT RIVER MARBLEMOUNT BRIDGE		TEMPORARY DETOUR PLAN	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY		SHEET 34 OF 35	

Proposal for Bidding Purposes

For Construction of:

**SKAGIT RIVER MARBLEMOUNT
BRIDGE PROJECT #ES40070-5**

Federal Aid #BHOS-29CS(001)

SKAGIT COUNTY PUBLIC WORKS



ADDENDUM NO. 1

**SKAGIT COUNTY
Public Works Department
1800 Continental Place
Mount Vernon, WA 98273**

REVISED BID PROPOSAL NO. 1

PROPOSAL

SKAGIT RIVER MARBLEMOUNT BRIDGE PROJECT #ES40070-5 Federal Aid #BHOS-29CS(001)

All bid envelopes must be plainly marked on the outside, **“Sealed Bid, Skagit River Marblemount Bridge Project #ES40070-5”**

Sealed Bids will be received at the following location before the specified time:

Bids may be hand delivered to: The Reception Desk of Skagit County Commissioners Office, located at 1800 Continental Place, Mount Vernon, WA.

Bids may be mailed to: Skagit County Commissioners
1800 Continental Place, Suite 100
Mount Vernon, Washington, 98273

The bid opening date for this project will be **Monday, April 21, 2025**. The bids will be publicly opened and read after **1:00 P.M.** on this date.

Bid Advertisement: Skagit Valley Herald – March 22, 27, and April 3, 10, 2025
Daily Journal of Commerce – March 21, 27, and April 3, 10, 2025
OMWBE - March 20 – April 21, 2025

ENTIRE PROPOSAL TO BE RETURNED AS YOUR BID PACKAGE

**FAILURE TO SIGN OR COMPLETE ALL INFORMATION ON THE FORMS PROVIDED CAN
RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE**

REVISED BID PROPOSAL NO. 1

PROPOSAL

BOARD OF SKAGIT COUNTY COMMISSIONERS MOUNT VERNON, WASHINGTON 98273

Attention:

This certifies that the undersigned has examined the locations of:

SKAGIT RIVER MARBLEMOUNT BRIDGE PROJECT #ES40070-5 FEDERAL AID #BHOS-29CS(001)

and that the plans, specifications and contract governing the work embraced in this improvement, and the method by which payment will be made for said work is understood. The undersigned hereby proposes to undertake and complete the work embraced in this improvement, or as much thereof as can be completed with the money available in accordance with the said plans, specifications, and contract, and the following schedule of rates and prices:

Note: for work performed on this project the contractor should refer to Section 1-07.2(1) of the contract provisions and Department of Revenue Rule #171.

(Note: Unit prices for all items, all extensions, and total amount of bid shall be shown. All entries must be typed or entered in ink.)

Skagit River Marblemount Bridge Project #ES40070-5

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
1	MOBILIZATION	1-09	1	L.S.	\$_____.	\$_____.
2	CLEARING AND GRUBBING	2-01	0.65	ACRE	\$_____.	\$_____.
3	ARCHAEOLOGICAL AND HISTORICAL SALVAGE	1-07	1	EST.	\$_____25,000.00	\$_____25,000.00
4	REMOVING AND SALVAGING MISC. TRAFFIC ITEM	2-02 SP	1	L.S.	\$_____.	\$_____.
5	REMOVING GUARDRAIL	8-11	84	L.F.	\$_____.	\$_____.

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
6	REMOVING PAINT LINE	2-02	832	L.F.	\$_____.	\$_____.
7	REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL	2-02	1	L.S.	\$_____.	\$_____.
8	REMOVING DECORATIVE TRAFFIC BARRIER	6-10 SP	118	L.F.	\$_____.	\$_____.
9	STRUCTURAL LOW ALLOY STEEL	6-03	1	L.S.	\$_____.	\$_____.
10	EXPANSION JOINT SYSTEM STRIP SEAL – SUPERSTR.	6-02	46	L.F.	\$_____.	\$_____.
11	EXPANSION JOINT MODIFICATION	6-02 SP	1	L.S.	\$_____.	\$_____.
12	FURTHER DECK PREP FOR TYPE 2 DECK REPAIR	6-23 SP	300	S.F.	\$_____.	\$_____.
13	CLEANING AND PAINTING	6-07	1	L.S.	\$_____.	\$_____.
14	CONTAINMENT OF ABRASIVES	6-07	1	L.S.	\$_____.	\$_____.
15	TESTING AND DISPOSAL OF CONTAINMENT WASTE	6-07	1	EST.	\$ <u>220,000 .00</u>	\$ <u>220,000 .00</u>
16	SEALING AND CAULKING PACK RUST	6-07	1000	L.F.	\$_____.	\$_____.
17	REMOVE AND RESET BRIDGE METAL BEAM RAIL	6-06 SP	1203	L.F.	\$_____.	\$_____.
18	TRAFFIC BARRIER – DECORATIVE BARRIER	6-10 SP	118	L.F.	\$_____.	\$_____.
19	LONGITUDINAL JOINT CLOSURE POUR	6-02 SP	59	L.F.	\$_____.	\$_____.
20	REPLACING VACANT/DAMAGED OR LOOSE RIVETS WITH HIGH-STRENGTH BOLT	6-03 SP	1712	EACH	\$_____.	\$_____.

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
21	FURNISH THIN POLYMER CONC. OVERLAY	6-23 SP	1468	S.Y.	\$_____.	\$_____.
22	PLACE THIN POLYMER CLONC. OVERLAY	6-23 SP	1468	S.Y.	\$_____.	\$_____.
23	FORCE ACCOUNT DECK OVERHANG REPAIR	6-10 SP	1	EST.	\$ <u>25,000.00</u>	\$ <u>25,000.00</u>
24	FORCE ACCOUNT MISC. STEEL REPAIR	6-07 SP	1	EST.	\$ <u>50,000.00</u>	\$ <u>50,000.00</u>
25	EROSION CONTROL AND WATER POLLUTION PREVENTION	8-01	1	L.S.	\$_____.	\$_____.
26	SEEDING, FERTILIZING, AND MULCHING	8-02	0.65	ACRE	\$_____.	\$_____.
27	HIGH VISIBILITY FENCE	8-02	600	L.F.	\$_____.	\$_____.
28	HIGH VISIBILITY SILT FENCE	8-02	310	L.F.	\$_____.	\$_____.
29	BEAM GUARDRAIL TRANSITION SECTION TYPE 24	8-11	4	EACH	\$_____.	\$_____.
30	PAINT LINE	8-22	1630	L.F.	\$_____.	\$_____.
31	PORTABLE CHANGEABLE MESSAGE SIGN	1-10	2000	HR	\$_____.	\$_____.
32	PROJECT TEMPORARY TRAFFIC CONTROL	1-10	1	L.S.	\$_____.	\$_____.
33	FLAGGERS	1-10	1200	HR	\$_____.	\$_____.
34	CONSTRUCTION SIGNS CLASS A	1-10	650	S.F.	\$_____.	\$_____.
35	WORK ZONE SAFETY CONTINGENCY	1-10	1	EST.	\$ <u>25,000.00</u>	\$ <u>25,000.00</u>
36	TRAINING	1-07	800	HR	\$_____.	\$_____.

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
37	MINOR CHANGE	1-04	1	EST.	\$ <u>25,000.00</u>	\$ <u>25,000.00</u>
38	SPCC PLAN	1-07	1	L.S.	\$ _____ .__	\$ _____ .__
39	FIELD OFFICE BUILDING	8-30	1	L.S.	\$ _____ .__	\$ _____ .__
40	RECORD DRAWINGS	1-05 SP	1	L.S.	\$ _____ .__	\$ _____ .__
TOTAL BID						\$ _____ .__

FOR WORK PERFORMED ON THIS PROJECT THE CONTRACTOR SHOULD REFER TO SECTION 1-07.2(1) OF THE CONTRACT PROVISIONS AND DEPARTMENT OF REVENUE RULE #171.

PROPOSAL – Signature Page

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

The undersigned hereby agrees to pay labor not less than the prevailing rates of wages in accordance with the requirements of the special provisions for this project.

A proposal guaranty in an amount of five percent (5%) of the total bid based upon the approximate estimate of quantities at the above prices and in the form as indicated below is attached hereto:

- ☐ CASHIER'S CHECK In the amount of \$_____Dollars
- ☐ CERTIFIED CHECK In the amount of \$_____Dollars
(Payable to Skagit County)
- ☐ PROPOSAL BOND In the amount five percent (5%) of the total bid.

Receipt is hereby acknowledged of Addendum(s) No. (s) 1, _____, & _____

Signature of Authorized Official(s):

Proposal Must Be Signed →

PRINT NAME

Firm Name: _____

Address: _____

Telephone No.: _____

State of Washington Contractor's License No. _____

UBI No. _____

Employment Security Department No. _____

Project Contact – Name & Phone#: _____

Note:

- (1) This proposal form is not transferable, and any alteration of the firm's name entered hereon without prior permission from the Skagit County will be cause for considering the proposal irregular and subsequent rejection of the bid.
- (2) Please refer to Section 1-02.6 of the Standard Specifications, "Preparation of Proposal", or "Article 4" of the Instruction to Bidders for building construction jobs.

BID PROPOSAL MUST BE SIGNED.

**FAILURE TO SIGN OR COMPLETE ALL INFORMATION CAN RESULT
IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE.**

**SUBMIT THE
ENCLOSED PROPOSAL
BOND FORM WITH
YOUR PROPOSAL**

**USE OF OTHER FORMS
MAY SUBJECT YOUR
BID TO REJECTION**

PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we, _____

_____ of _____ as principal, and the
_____ a corporation duly

organized under the laws of the State of _____,
and authorized to do business in the State of Washington, as surety, are held and firmly bound unto
Skagit County in the full and penal sum of five (5) percent of the total amount of the bid proposal of
said principal for the work hereinafter described for the payment of which, well and truly to be made,
we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by
these presents.

The condition of this bond is such, that whereas the principal herein is herewith submitting
his or its sealed proposal for the following highway construction, to wit:

**Skagit River Marblemount Bridge Project #ES40070-5
Federal Aid #BHOS-29CS(001)**

said bid and proposal, by reference thereto, being made a part hereof.

NOW THEREFORE, If the said proposal bid by said principal be accepted, and the contract
be awarded to said principal, and if said principal shall duly make and enter into and execute said
contract and shall furnish bond as required by Skagit County within a period of twenty (20) days
from and after said award, exclusive of the day of such award, then this obligation shall be null and
void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, The principal and surety have
caused these presents to be signed and sealed this _____ day of _____,
2025.

(Principal)

(Surety)

(Attorney-in-fact)

Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

NON-COLLUSION DECLARATION

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and to have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free “hotline” Monday through Friday, 8:00 a.m. to 5:00 p.m., 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 USDOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Local Agency Certification for Federal-Aid Contracts

The prospective participant certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) 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.

(2) 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.

This certification is material representation of the 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 Section 1352, Title 31, U.S. Code. 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 failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.



Disadvantaged Business Enterprise Utilization Certification

To be eligible for Award of this Contract the Bidder shall fill out and submit, as a supplement to its sealed Bid Proposal, a Disadvantaged Business Enterprise (DBE) Utilization Certification. The Contracting Agency shall consider as non-responsive and shall reject any Bid Proposal that does not contain a DBE Utilization Certification which properly demonstrates that the Bidder will meet the DBE participation requirements in one of the manners provided for in the proposed Contract. **Refer to the instructions on Page 2 when filling out this form or the Bid may be rejected. An example form has been provided on Page 3.** The successful Bidder's DBE Utilization Certification shall be deemed a part of the resulting Contract.

Box 1: _____ certifies that the DBE firms listed below have been contacted regarding participation on this project. If this Bidder is successful on this project and is awarded the Contract, it shall assure that subcontracts or supply agreements are executed with named DBEs. (If necessary, use additional sheets.)

Box 2: _____

Column 1 Name of DBE (See instructions)	Column 2 Project Role (See instructions)	Column 3 Description of Work (See instructions)	Column 4 Dollar Amount Subcontracted to DBE (See instructions)	Column 5 Dollar Amount to be Applied Towards Goal (See instructions)

Disadvantaged Business Enterprise _____
Condition of Award Contract Goal Box 3

Total DBE Commitment Dollar Amount _____
Box 4

5 By checking Box 5 the Bidder is stating that their attempts to solicit sufficient DBE participation to meet the COA Contract goal has been unsuccessful and good faith effort will be submitted in accordance with Section 1-02.9 of the Contract

Instructions for Disadvantaged Business Enterprise Utilization Certification Form

Box 1: Name of Bidder (Proposal holder) submitting Bid.

Box 2: Name of the Project.

Column 1: Name of the Disadvantaged Business Enterprise (DBE). DBE firms can be found using the Diversity Management and Compliance System web page: <https://wsdot.diversitycompliance.com>. Repeat the name of the DBE for each Project Role that will be performed.

Column 2: The Project Role that the DBE will be performing as follows;

- Prime Contractor
- Subcontractor
- Subcontractor (Force Account)
 - Work sublet as Force Account must be listed separately.
- Manufacturer
- Regular Dealer
 - Work sublet to a Regular Dealer must be listed separately.
 - Regular Dealer status must be approved prior to Bid submittal by the Office of Equal Opportunity, Washington State Department of Transportation, on each Contract.
- Broker
 - Work sublet to a Broker must be listed separately.

List each project role to be performed by a single DBE individually on a separate row. The role is used to determine what portion of the amount to be subcontracted (Column 4) may be applied toward meeting the goal (column 5).

Column 3: Provide a description of work to be performed by the DBE. The work to be performed must be consistent with the Certified Business Description of the DBE provided at the Diversity Management and Compliance System web page <https://wsdot.diversitycompliance.com>

- A Bidder subletting a portion of a bid item shall state “**Partial**” and describe the Work that is included.
 - For example; “Electrical (Partial) – Trenching”.
- “Mobilization” will not be accepted as a description of Work.

Column 4: List the total amount to be subcontracted to each DBE for each Project Role they are performing.

Column 5: This is the dollar amount for each line listed in the certification that the prime intends to apply towards meeting the COA Contract goal. It may be that only a portion of the amount subcontracted to a DBE in Column 4 is eligible to be credited toward meeting the goal **See Note 1, Note 2, Note 3**. The Contracting Agency will utilize the sum of this column (Box 4) to determine whether or not the bidder has met the goal. In the event of an arithmetic error in summing column 5 or an error in making appropriate reductions in the amounts in column four, **See Note 1, Note 2, Note 3**, then the mathematics will be corrected and the total (Box 4) will be revised accordingly.

Note 1: For Work sublet as Force Account the bidder **may only claim 50%** of the amount subcontracted (Column 4) towards meeting the goal (Column 5). This information will be used to demonstrate that the DBE contract goal is met at the time that the bidder submits their bid. For example; amount sublet as force account = \$100,000 (Column 4) equates to $(\$100,000 \times 50\%) = \$50,000$ (Column 5) to be applied towards the goal.

Note 2: For Work sublet to a Regular Dealer the bidder **may only claim 60%** of the cost of the materials or supplies (Column 4) towards meeting the goal (Column 5). For example; Material cost = \$100,000 (Column 4) equates to $(\$100,000 \times 60\%) = \$60,000$ (Column 5) to be applied towards the goal

Note 3: For Work sublet to a Broker the bidder **may only claim the fees** paid to a Broker towards meeting the goal (Column 4). For example; amount sublet to a broker = \$100,000 (Column 4) equates to $(\$100,000 \times \text{reasonable fee \%}) = \$$ (Column 5) to be applied towards the goal.

Box 3: Box 3 is the COA Contract goal which is the minimum required DBE participation. The goal stated in the Contract will be in terms of a dollar amount or a percentage in the Contract. When expressed as a percentage you must multiply the percentage times the sum total of all bid items as submitted in the Bidder's Proposal to determine the dollar goal and write it in Box 3. In the event of an error in this box, the Contracting Agency will revise the amount accordingly.

Box 4: Box 4 is the sum of the values in column 5. **This value must equal or exceed the COA Contract goal amount written in Box 3 or;**

Box 5: Check Box 5 if insufficient DBE Participation has been achieved and a good faith effort is required. Refer to the subsection titled, *Selection of Successful Bidder/Good Faith Efforts (GFE)* in the Contract.

See the *Disadvantaged Business Enterprise Participation* specification in the Contract for more information.

Disadvantaged Business Enterprise Utilization Certification

To be eligible for Award of this Contract the Bidder shall fill out and submit, as a supplement to its sealed Bid Proposal, a Disadvantaged Business Enterprise (DBE) Utilization Certification. The Contracting Agency shall consider as non-responsive and shall reject any Bid Proposal that does not contain a DBE Utilization Certification which properly demonstrates that the Bidder will meet the DBE participation requirements in one of the manners provided for in the proposed Contract. **Refer to the instructions on Page 2 when filling out this form or the Bid may be rejected. An example form has been provided on Page 3.** The successful Bidder's DBE Utilization Certification shall be deemed a part of the resulting Contract.

Box 1: A Plus Construction Company certifies that the DBE firms listed below have been contacted regarding participation on this project. If this Bidder is successful on this project and is awarded the Contract, it shall assure that subcontracts or supply agreements are executed with named DBEs. (If necessary, use additional sheets.)

Box 2: US 395, Spokane City Limits to Stevens County Line - Paving and Safety

Column 1 Name of DBE <small>See instructions)</small>	Column 2 Project Role <small>See instructions)</small>	Column 3 Description of Work <small>See instructions)</small>	Column 4 Dollar Amount Subcontracted to DBE <small>See instructions)</small>	Column 5 Dollar Amount to be Applied Towards Goal <small>See instructions)</small>
A Plus Construction Company	Prime	Asphalt and concrete paving, asphalt milling, preleveling and pavement repair	N/A	900,000
In the Line Services, Inc.	Subcontractor (Force Account)	Crack sealing	20,000	10,000
In the Line Services, Inc.	Subcontractor	Guideposts, joint seal, pavement markers, temporary signage, construction sign installation	200,000	200,000
The Everything Guys, LLC	Regular Dealer	Rental and sales of highway construction and related equipment and materials	100,000	60,000
Optimus Prime Trucking, Inc.	Subcontractor	Dump Trucking	50,000	50,000
Metalheads, Inc.	Manufacturer	Dowel Bars	75,000	75,000
Erosion Under Control Co.	Broker	Erosion control blankets, straw bales and wattles, sand bags	15,000	250

EXAMPLE

Disadvantaged Business Enterprise 356,968.16
Condition of Award Contract Goal Box 3

Total DBE Commitment Dollar Amount 1,295,250
Box 4

☐ By checking Box 5 the Bidder is stating that their attempts to solicit sufficient DBE participation to meet the COA Contract goal has been unsuccessful and good faith effort will be submitted in accordance with Section 1-02.9 of the Contract



*See Contract Provisions: DBE Document Submittal Requirements
Disadvantaged Business Enterprise Participation*

THIS FORM SHALL ONLY BE SUBMITTED TO A DBE THAT IS LISTED ON THE CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION CERTIFICATION.

THE CONTRACTOR SHALL COMPLETE PART A PRIOR TO SENDING TO THE DBE.

PART A: To be completed by the bidder

The entries below shall be consistent with what is shown on the Bidder's Disadvantaged Business Enterprise Utilization Certification. Failure to do so will result in Bid rejection.

Contract Title: _____

Bidder's Business Name: _____

DBE's Business Name: _____

Description of DBE's Work: _____

Dollar Amount to be Applied Towards DBE Goal: _____

Dollar Amount to be Subcontracted to DBE*: _____
*Optional Field

PART B: To be completed by the Disadvantaged Business Enterprise

As an authorized representative of the Disadvantaged Business Enterprise, I confirm that we have been contacted by the Bidder with regard to the referenced project for the purpose of performing the Work described above. If the Bidder is awarded the Contract, we will enter into an agreement with the Bidder to participate in the project consistent with the information provided in Part A of this form.

Name (printed): _____

Signature: _____

Title: _____

Address: _____ Date: _____



Disadvantaged Business Enterprise (DBE) Bid Item Breakdown Form

1. Contract Number		2. Contract Name	
3. Prime Contractor		4. Prime Contractor Representative Name	
5. Prime Contractor Representative Phone Number		6. Prime Contractor Representative Email	

Column 1 Name of UDBE (See Instructions)	Column 2 Bid Item # (See Instructions)	Column 3 Full/Partial (See Instructions)	Column 4 Quantity (See Instructions)	Column 5 Description (See Instructions)	Column 6 Unit Price (See Instructions)	Column 7 Total Unit Cost (See Instructions)	Column 8 Dollar Amount to be Applied Towards Goal (See Instructions)
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
Name of UDBE	Bid Item #	Full/Partial	Quantity	Description	Unit Price	Total Unit Cost	Dollar Amount to be Applied Towards Goal
Subtotal:							
TOTAL UDBE Dollar Amount:							

Instructions for Disadvantaged Business Enterprise (DBE) Bid Item Breakdown Form

Box 1: Provide the Contract Number as stated in the project information webpage.

Box 2: Provide the Name of the project as stated in the project information webpage.

Box 3: Provide the Name of the bidder (Proposal holder) submitting Bid.

Box 4: Provide the name of the prime contractor's representative available to contact regarding this form.

Box 5: Provide the phone number of the prime contractor's representative available to contact regarding this form.

Box 6: Provide the email of the prime contractor's representative available to contact regarding this form.

Column 1: Provide the Name of the Disadvantaged Business Enterprise (DBE) Firm. DBE Firms can be found using the search tools under the Firm Certification section of the Diversity Management and Compliance System (DMCS) webpage <https://wsdot.diversitycompliance.com>.

Column 2: Provide the Bid Item Number (as it appears in the engineer's estimate bid check report) available on the project information webpage.

Column 3: If the DBE is performing only part of the bid item, mark "Partial". If the DBE is performing the entire bid item, mark "Complete".

Column 4: Provide the estimated quantity for the specific bid item. For trucking firms, use hour or another unit of measure.

Column 5: Provide a description of the work to be performed by the DBE.

Column 6: Provide the price per unit and specify the type of unit used. For trucking firms, use hour or another unit of measure.

Column 7: Provide the estimated total unit cost amount per bid item.

Column 8: Provide the amount of the bid item being used to fulfil the DBE goal. The work to be performed must be consistent with the Certified Business Description of the DBE provided in the DMCS webpage <https://wsdot.diversitycompliance.com>. Mobilization up to 10% is acceptable. If mobilization is more than 10% additional information and/or justification may be requested. The total amount shown for each DBE shall match the amount shown on the DBE Utilization Certification Form.

Use Additional Sheets if necessary.



Disadvantaged Business Enterprise (DBE) Trucking Credit Form

PART A: TO BE COMPLETED BY THE BIDDER

This form is in support of the trucking commitment identified on the DBE Utilization Certification Form submitted with the proposal. Please note that DBE's must be certified prior to time of submittal.

Federal Aid #	Contract #	Project Name
If listing items by hours, or by lump sum amounts, please provide calculations to substantiate the quantities listed.		
Bid Item	Item Description	

Use additional sheets as necessary.

Bidder		Name/Title (please print)
Phone	Fax	Signature
Address		
		I certify that the above information is complete and accurate.
Email		Date

PART B: TO BE COMPLETED BY THE DBE TRUCKING FIRM

Note: DBE trucking firm participation may only be credited as DBE participation for the value of the hauling services, not for the materials being hauled unless the trucking firm is also recognized as a supplier of the materials used on the project and approved for this project as a regular dealer.

1. Type of Material expected to be hauled? _____
2. Number of fully operational trucks expected to be used on this project? _____ Tractor/trailers: _____ Dump trucks: _____
3. Number of trucks and trailers owned by the DBE that will be used on this project? _____ Tractor/trailers: _____ Dump trucks: _____
4. Number of trucks and trailers leased by the DBE that will be used on this project? _____ Tractor/trailers: _____ Dump trucks: _____

DBE Firm Name		Name/Title (please print)
Certification Number		
Phone	Fax	Signature
Address		
		I certify that the above information is complete and accurate.
Email		Date

Submit this form to in accordance with section 1-02.9 of the Contract.

Instruction to Bidder: The Bidder shall complete and submit the Disadvantaged Business Enterprise (DBE) Trucking Credit Form in accordance with Section 1-02.9 of the Contract.

INSTRUCTIONS

Please note – All Fields are required

PART A: TO BE COMPLETED BY THE BIDDER

Federal Aid: Include the project federal-aid number.

County: Specify the County where the project will take place.

Contract #: Specify the Project Contract Number which can be found in the Engineer's estimate bid check report.

Bid Item: Provide the Bid Item Number (as it appears in the engineer's estimate bid check report) for which trucking services will be utilized.

Item Description: Provide description of the bid item (as it appears in the engineer's estimate bid check report) for which trucking will be utilized.

Bidder: In this section, provide the bidder's legal name, title, Business address, Phone and email.

The bidder's representative signature is required in addition to the date the form was signed.

PART B: TO BE COMPLETED BY THE DBE TRUCKING FIRM

Question 1: Specify type of material that will be hauled (i.e. Sand, HMA, gravel)

Question 2: Specify the total number of operational trucks that will be used on the project.

Question 3: Specify the total number of operational trucks and trailers owned by the DBE that will be used on the project.

Question 4: Specify the total number of operational trucks and trailers leased by the DBE that will be used on the project.

DBE Firm: In this section, provide the DBE Firm's legal name, DBE Firm's representative legal name and title, certification Number (Found in the firm's OMWBE Profile page in the OMWBE directory), Business address, Phone, fax and email.

The DBE Firm's representative signature is required in addition to the date the form was signed.

Proposal for Incorporating Recycled Materials into the Project

In compliance with RCW 70A.205.700, the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: _____ percent.

Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-03.1 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.

Bidder: _____

Signature of Authorized Official: _____

Date: _____



Contract Number		Contract Title					
Contractor		Engineer					
		Reclaimed Hot Mix Asphalt	Recycled Concrete Aggregate	Recycled Glass	Steel Furnace Slag	Other Recycled Aggregates	Contract Total Quantity
Fine Aggregate for Portland Cement Concrete	9-03.1(2)						
Coarse Aggregate for Portland Cement Concrete	9-03.1(4)						
Coarse Aggregate for Commercial Concrete	9-03.1(4)						
Aggregates for Hot Mix Asphalt	9-03.8	see below					
Ballast	9-03.9(1)						
Permeable Ballast	9-03.9(2)						
Crushed Surfacing	9-03.9(3)						
Aggregate for Gravel Base	9-03.10						
Gravel Backfill for Foundations	9-03.12(1)						
Gravel Backfill for Walls	9-03.12(2)						
Gravel Backfill for Pipe Zone Bedding	9-03.12(3)						
Gravel Backfill for Drains	9-03.12(4)						
Gravel Backfill for Drywells	9-03.12(5)						
Backfill for Sand Drains	9-03.13						
Sand Drainage Blanket	9-03.13(1)						
Gravel Borrow	9-03.14(1)						
Select Borrow	9-03.14(2)						
Common Borrow	9-03.14(3)						
Foundation Material Class A and Class B	9-03.17						
Foundation Material Class C	9-03.18						
Bank Run Gravel for Trench Backfill	9-03.19						
Other Aggregate Materials (total quantity not required)	9-03						
TOTAL (recycled materials and contract total quantity)							
		Reclaimed Hot Mix Asphalt	Reclaimed Asphalt Shingles		Steel Furnace Slag	Other Recycled Materials	Total Quantity
Hot Mix Asphalt	5-04.2						

I declare that the statements made in this document, including attachments, are complete, true and accurate.

Signed by an authorized representative of the Contractor

Contractor Representative Name		Signature	Title	Date
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INSTRUCTIONS:

The Contractor shall report the quantity in **tons** for each type of recycled material that was used for each of the listed materials. If the Contract did not include the listed material or recycled materials were not used for this material a "0" shall be entered in the box. The Standard Specifications in Section 9-03.21 do not allow the use of recycled materials in the boxes that are shaded. If the Contract Provisions allowed and the Contractor utilized recycled materials for any of these items the amount of recycled material shall be entered in the box. The contract total quantity for each aggregate material (e.g., Fine Aggregate for Portland Cement Concrete) is the total weight in tons and includes both recycled and natural occurring materials. The total quantity for hot mix asphalt (HMA) is the total HMA weight in tons and includes recycled asphalt pavement (RAP) and new HMA materials.

Other recycled aggregates include other material sources that are utilized on a project. These sources include on-site recycling and aggregates from returned (uncured) concrete. Roadway excavation and embankment are not allowed in the quantity for other aggregate materials or other recycled aggregates.

Attach cost estimates as required in Section 1-06.6 of the Standard Specifications when the total percentage of recycled aggregate and concrete is less than 25 percent of the required amount for the entire Contract.



Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (**March 21, 2025**), the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Bidder’s Business Name

Signature of Authorized Official*

Printed Name

Title

Date

City

State

Check One:

Sole Proprietorship ☐ Partnership ☐ Joint Venture ☐ Corporation ☐

State of Incorporation, or if not a corporation, State where business entity was formed:

If a co-partnership, give firm name under which business is transacted:

** If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.*



Bidder Questionnaire

Agency Name						Federal Aid Number		
Prime Contractor Name						Contract Number		
Contract Name								
Firm/ Subcontractor Name	Address (incl. Zipcode)	DBE Status	Race	Gender	NAICS Codes	Scope of Work	Firm Age	Firm Gross Receipts

If you have additional Firms or Subcontractors that submitted Bids, please complete additional forms.

Prime Contractor Representative

Title

Date

Form Instructions

The following information on each firm that submitted a bid is required as part of part of 49 CFR 26.11(c)(2):

Firm/Subcontractor Name: Enter the name of each firm or subcontractor who submitted a quote or a bid on the contract.

Address: Enter the date the main address of the firm/subcontractor. Include the zip code.

DBE Status: Enter the DBE status. *Options are DBE and Non-DBE.*

Race: Enter the race of the majority Owner. *Options are "Black American", "Hispanic American", "Native American", "Asian-Pacific American", "Subcontinent Asian American", and "White".* N/A should only be used if there is not a majority owner such as when the Firm is a corporation.

Gender: Enter the gender of the majority Owner. *Options are "Female" and "Male".* N/A should only be used if there is not a majority owner such as when the Firm is a corporation.

NAICS Codes: Enter the appropriate NAICS Codes for the work the bid was submitted.

Scope of Work: Enter the scope of the work the bid was submitted for.

Firm Age: Enter the age of the Firm.

Firm Gross Receipts: Enter the annual gross receipts. *Options are "Less than \$1 million", "\$1-\$3 million", "\$3-\$6 million", "\$6-\$10 million", "\$10-\$20 million", "\$20-\$30.72 million", "Greater than \$30.72 million".*

Prime Contractor Representative: The name of the person who filled out the form.

Local Agency Subcontractor List

Prepared in compliance with RCW 39.30.060 as amended

To Be Submitted with the Bid Proposal

Project Name _____

Failure to list subcontractors with whom the bidder, if awarded the contract, will directly subcontract for performance of the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical, as described in Chapter 19.28 RCW or naming more than one subcontractor to perform the same work will result in your bid being non-responsive and therefore void.

Subcontractor(s) with whom the bidder will directly subcontract that are proposed to perform the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. The work to be performed is to be listed below the subcontractor(s) name.

To the extent the Project includes one or more categories of work referenced in RCW 39.30.060, and no subcontractor is listed below to perform such work, the bidder certifies that the work will either (i) be performed by the bidder itself, or (ii) be performed by a lower tier subcontractor who will not contract directly with the bidder.

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

* Bidder's are notified that it is the opinion of the enforcement agency that PVC or metal conduit, junction boxes, etc, are considered electrical equipment and therefore considered part of electrical work, even if the installation is for future use and no wiring or electrical current is connected during the project.