STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 6
for
INTERSTATE ROUTE H-1 RESURFACING
MILLER PEDESTRIAN OVERPASS TO KAPIOLANI INTERCHANGE

FEDERAL-AID PROJECT NO. NH-H1-1(279)

July 28, 2021

This Addendum shall make the following amendments to the Bid Documents:

A. SPECIFICATIONS

1. Replace TABLE OF CONTENTS dated r7/14/21 with the attached TABLE OF CONTENTS dated r07/21/21.

2. Replace Section 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS dated r07/14/21 with the attached Section 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS dated r07/21/21.

3. Replace Section 606 – GUARDRAIL dated r07/14/21 with the attached Section 606 – GUARDRAIL dated r07/21/21.

4. Add Section 630 – TRAFFIC CONTROL GUIDE SIGNS dated 07/21/21.

5. Replace Section 631 – TRAFFIC CONTROL, REGULATORY, WARNING AND MISCELLANEOUS SIGNS dated 6/22/20 with the attached Section 606 – TRAFFIC CONTROL, REGULATORY, WARNING AND MISCELLANEOUS SIGNS dated r07/21/21.

6. Replace Section 632 – MARKERS dated 6/22/20 with the attached Section 632 – MARKERS dated r07/21/21.

7. Add Section 694 – LONGITUDINAL CHANNELIZING CURB SYSTEM dated 07/21/21.

8. Add Section 695 – INERTIAL BARRIER SYSTEM dated 07/21/21.

9. Replace Federal Wage Rates dated 07/09/2021 with the attached Federal Wage Rates dated 07/16/2021.

B. PROPOSAL

1. Replace Proposal pages P-8 to P-17 dated r07/14/2021 with the attached Proposal pages P-8 to P-19 dated r07/21/2021.

C. PLANS

1. Remove sheets ADD. 15, ADD. 17, 18, ADD. 19, ADD. 24, ADD. 61, ADD. 67, ADD. 68, ADD. 69, ADD. 70, ADD. 80, ADD. 81, ADD. 82, ADD. 82S-2, ADD. 93, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166 and replace with attached sheets with ADD. 15, ADD. 17, ADD. 18, ADD. 19, ADD. 24, ADD. 61, ADD. 67, ADD. 68, ADD. 69, ADD. 70, ADD. 80, ADD. 81, ADD. 82, ADD. 82S-2, ADD. 93, ADD. 143, ADD. 144, ADD. 145, ADD. 146, ADD. 147, ADD. 148, ADD. 149, ADD. 150, ADD. 151, ADD. 152, ADD. 153, ADD. 154, ADD. 155, ADD. 156, ADD. 157, ADD. 158, ADD. 159, ADD. 160, ADD. 161, ADD. 162, ADD. 163, ADD. 164, ADD. 165, and ADD. 166.

2. Add supplemental sheets ADD. 84S-3, ADD. 84S-4 and ADD. 84S-5.

The following is provided for information.

D. CONTRACTOR'S RFI

The responses to Contractor's RFI are attached for your information.

Please acknowledge receipt of this Addendum No. 6 by recording the date of its receipt in the space provided on page P-4.

JADE T. BUTAY
Director of Transportation

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END OF TABLE OF CONTENTS

SECTION 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Make the following amendments to said Section:

(I) Amend **202.04 – Measurement** by revising lines 119 to 120 to read as follows:

"**202.04 Measurement.** The Engineer will not measure the removal of structures and obstructions when contracted on a lump sum basis."

(II) Amend **202.05 – Payment** by revising lines 122 to 131 to read as follows:

"**202.05 Payment.** If the proposal does not show a contract item for the removal of structures and obstructions, the Engineer will not pay for the removal of structures and obstructions separately. The Contractor shall consider them incidental to the various contract items.

The Engineer will pay for specific items stipulated for removal and disposal at the contract price bid per unit specified in the proposal. The price shall be full compensation for removal and disposal of that items, excavation, backfill, salvage of materials removed. Salvaging of materials removed includes their custody, preservation, storage on the right-of-way. Also, the price shall be full compensation for equipment, tools, labor materials and incidentals necessary to complete the work.

The Engineer will pay for the following pay item when included in the proposal schedule.

Pay Item	Pay Unit
Removal of Concrete Curb	Lump Sum
Removal of Bridge Railing - Concrete	Lump Sum
Removal of Bridge Railing - Metal	Lump Sum
Removal of Guardrail, End Terminals and Attenuators	Lump Sum
Removal of Signs and Posts	Lump Sum
Removal of Survey Monuments	Lump Sum
Removal of 4 Foot Chain Link Fence	Lump Sum
6 Removal of Flexible Delineators	Lump Sum"

END OF SECTION 202

SECTION 606 – GUARDRAIL

Make the following amendment to said Section:

(I) Amend **606.04 – Measurement** by revising lines 116 to 118 to read:

"**606.04 Measurement.** The Engineer will measure guardrail per linear foot in accordance with the contract documents.

The Engineer will measure from center to center of end posts. If the Contractor makes end connections to masonry or steel structures, the Engineer will measure to the face of such structures.

The Engineer may measure end anchorage, terminal section and transition section:

(1) as units of each kind when specified in the proposal or

(2) include in the quantities of guardrail of the respective type and not measured separately

The Engineer will measure resetting existing guardrail per linear foot from end to end."

(II) Amend **606.05 – Payment** by revising lines 120 to 138 to read as follows:

"**606.05 Payment.** The Engineer will pay for the accepted pay items listed below at contract price per pay unit, as shown in the proposal schedule. Payment will be full compensation for the work prescribed in this section and the contract documents.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	Pay Unit
Midwest Guardrail System, MGS	Linear Foot
Midwest Guardrail System, MGS (with Rubrails)	Linear Foot
Midwest Guardrail System on 2:1 Fill Slope (9 ft Posts)	Linear Foot
Midwest Guardrail System (with Rubrails) on 2:1 Fill Slope (9ft Posts)	Linear Foot
Thrie Beam Connection with Transition to Midwest Guardrail (25 LF Railing Replacement only)	Each

Transition Section, Thrie Beam to MGS	6 Each
Transition Section, Thrie Beam to Strong Post	Each
6 Long-Span MGS Type 3 W-Beam, 31-Inches (3-Post Omitted)	Each
6 Long-Span Strong Post W-Beam, 28-Inches (3-Post Omitted)	Each
6 Long-Span MGS Type 3 W-Beam, 31-Inches (with 9ft Posts) (3-Post Omitted)	Each
MGS Transition to Strong Post Guardrail	Each
MGS Transition to Strong Post Guardrail (with 9ft Posts)	Each
W-Beam Guardrail (Railing only, existing posts to remain)	Linear Foot
W-Beam Guardrail (with Rubrails) (Railing only, existing posts to remain)	Linear Foot
Thrie Beam Guardrail, Type 3 (Railing only, existing posts to remain)	Linear Foot
6 Thrie Beam Guardrail, Type 3 (with Posts)	Linear Foot
Thrie Beam Terminal Connector	Each
Thrie Beam Rounded End Section	Each
W-Beam Rounded End Section	Each
MSKT – SP – MGS (TL-3) End Treatment	Each
Trailing-End Anchorage System	Each
Softstop (TL-2) End Treatment	Each”

END OF SECTION 606

SECTION 630 – TRAFFIC CONTROL GUIDE SIGNS

Make the following amendment to said Section: 6

(I) Amend **Section 630.02 - Materials**, by replacing lines 28 to 29 to read:

"Retroreflective sheeting shall conform to criteria listed in ASTM D 4956 for the applicable type and class, or as amended in accordance with Subsection 750.01 - Signs."

(II) Amend **Section 630.04 - Measurement**, by replacing lines 204 to 221 to read:

"**630.04 Measurement.** The Engineer will measure destination, expressway, and miscellaneous signs, and reinstallation of street name signs per each.

The Engineer will measure replacement of existing sign panels by the square foot of sign face.

The Engineer will not measure sign posts and shall be considered incidental.

The Engineer will not measure the footings for destination and ground mounted expressway signs and shall be considered incidental

Measurement of contract items for construction of footings for overhead mounted expressway signs will be as follows:

(1) The Engineer will measure excavation according to Section 204 – Excavation and Backfill for Miscellaneous Facilities.

(2) The Engineer will measure concrete according to Section 503 – Concrete Structures.

The Engineer will measure reinforcing steel according to Section 602 – Reinforcing Steel.

When the Engineer accepts an alternative design, the method of measurement for the various contract items affected by the design shall be identical with the various original contract items shown in the contract. The Engineer will not measure the additional items that the Contractor requires for the alternate design.

The Engineer will not measure removal and disposal and storing of existing and temporary signs and markers that the Contractor will not incorporate in the completed highway for payment."

(III) Amend **630.05 – Payment** by revising lines 223 to 303 to read as follows:

"**630.05 Payment.** The Engineer will pay for destination, expressway, and miscellaneous signs at the contract price per each. Payment will be full compensation for the work prescribed in this section and the contract documents.

The Engineer will pay for replacement of existing sign panels by the square foot of sign face.

The Engineer will not pay for sign posts and shall be considered incidental to the various contract items.

The Engineer will not pay for footings and shall be considered incidental to the various contract items.

The Engineer will not pay for removing and disposing or storing of existing and temporary signs that the Contractor will not incorporate in the completed highway separately. The Engineer will consider them incidental to the various contract items.

The Engineer will not make payment other than those specified herein for the construction of footings for overhead mounted expressway signs. The Engineer will pay for the work, materials, tools, equipment and incidentals required in the construction of the footings for overhead mounted expressway signs under the following contract items:

(1) Footing Excavation. The Engineer will make payment for footing excavation according to Section 204 – Excavation and Backfill for Miscellaneous Facilities.

(2) Concrete. The Engineer will make payment for concrete in footings according to Section 503 – Concrete Structures.

(3) Reinforcing Steel. The Engineer will make payment for reinforcing steel according to Section 602 – Reinforcing Steel.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	**Pay Unit**
Replacement of Existing Sign Panel with New Destination and Guide Sign Panels (Extruded Aluminum Panels)	Square Foot

Replacement of Existing Sign Panel with New Destination and Guide Sign Panels (Sheet Aluminum)	Square Foot
Destination Sign (10 Sq. Feet or Less) with Post	Each
Destination Sign (10 Sq. Feet or Less) without Post	Each
Guide Sign – Conventional Rd. (10 Sq. Feet or Less) with Post	Each
Guide Sign – Conventional Rd. (10 Sq. Feet or Less) without Post	Each
Reinstall Existing Street Name Sign to New Post	Each

When the Engineer accepts an alternate design, the total amount paid shall be full compensation for furnishing and installing materials and furnishing equipment, tools, labors, and incidentals necessary to complete the work. The Engineer will not make payment for additional materials, equipment, tools, labor and other incidentals that might become necessary to complete the installation due to the alternate design."

END OF SECTION 630

SECTION 631 – TRAFFIC CONTROL, REGULATORY, WARNING, AND MISCELLANEOUS SIGNS

Make the following amendment to said Section:

(I) Amend Section 631.03(C) Labeling of Signs, from lines 42 to 51 to read:

"**(C) Labeling of Signs**. Label back of each sign with sign stickers as directed by the State. Sign stickers will be provided by the State."

(II) Amend **Section 631.04 – Measurement** by replacing lines 67 to 69 to read:

"**631.04 Measurement.** The Engineer will measure regulatory, warning, and school signs as complete units of the type and design specified in the proposal.

The Engineer will not measure removal and disposal and storing of existing and temporary signs that the Contractor will not incorporate in the completed highway for payment."

(III) Amend **Section 631.05 – Payment** by replacing lines 71 to 99 to read as follows:

"**631.05 Payment.** The Engineer will pay for regulatory, warning, and school signs at the contract price per each for the type and design specified complete in place. Payment will be full compensation for excavating and backfilling, furnishing and installing materials, furnishing equipment, tools, labors and incidentals necessary to complete the work.

The Engineer will not pay for removing and disposing or storing of existing and temporary signs that the Contractor will not incorporate in the completed highway separately. The Engineer will consider them incidental to the various contract items.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	Pay Unit
6 Regulatory Sign (10 Sq. Feet or Less) with Post	Each
6 Regulatory Sign (10 Sq. Feet or Less) without Post	Each
6 Regulatory Sign (more than 10 Sq. Feet) with Post	Each
6 Regulatory Sign (more than 10 Sq. Feet) without Post	Each

6	Warning Sign (10 Sq. Feet or Less) with Post	Each
6	Warning Sign (10 Sq. Feet or Less) without Post	Each
6	Warning Sign (more than 10 Sq. Feet) with Post	Each
6	Warning Sign (more than 10 Sq. Feet) without Post	Each
6	School Sign (10 Sq. Feet or Less) with Post	Each
6	School Sign (10 Sq. Feet or Less) without Post	Each
6	Miscellaneous Sign (10 Sq. Feet or Less) with Post	Each
6	Miscellaneous Sign (10 Sq. Feet or Less) without Post	Each
6	Miscellaneous Sign (More than 10 Sq. Feet) with Post	Each
6	Miscellaneous Sign (More than 10 Sq. Feet) without Post	Each”

END OF SECTION 631

SECTION 632 – MARKERS

Make the following amendment to said Section:

(I) Amend **Section 632.04 - Measurement** by replacing lines 79 to 81 to read:

"**632.04 Measurement.** The Engineer will measure reflector marker, milepost marker with post (bi-directional), milepost marker, Type I, II and Type III object marker per each as complete units of the type and design specified in the proposal."

(II) Amend **Section 632.05 – Payment** by replacing lines 83 to 100 to read:

"**632.05 Payment.** The Engineer will pay for reflector marker, milepost marker with post (bi-directional), milepost marker and Type III object marker at the contract price per each for the type and design specified complete in place. Payment will be full compensation for excavating and backfilling, furnishing and installing materials, furnishing equipment, tools, labors and incidentals necessary to complete the work.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	Pay Unit
Reflector Marker RM-2 (with Post)	Each
Reflector Marker RM-2 (with Flexible Post)	Each
Reflector Marker RM-2 (without Post)	Each
Reflector Marker RM-3 (without Post)	Each
Type I Object Marker (OM1-3) with Post	Each
Type I Object Marker (OM1-3) without Post	Each
Type III Object Marker (OM3-1L) without Post	Each
Type III Object Marker (OM3-1R) with Post	Each
Type III Object Marker (OM3-1R) without Post	Each
Mile Post Marker (with Post)	Each
Mile Post Marker (without Post)	Each
Milepost Marker with Post (Bi-directional)	Each"

END OF SECTION 632

Make the following Section a part of the Standard Specifications: 6

"SECTION 694 –LONGITUDINAL CHANNELIZING CURB SYSTEM

694.01 Description. This section describes the installation of Longitudinal Channelizing Curb Systems. The Longitudinal Channelizing Curb System shall be one of the following: Qwick Kurb System, Tuff Curb System, or other HDOT approved equivalent.

694.02 Materials.

(A) General. The Longitudinal Channelizing Curb System shall utilize modular curb units; curb end units (where needed); and upright flexible, retroreflective posts or panels, as specified by the contract. The complete system shall be MASH compliant as approved by FHWA. Within 10 working days following award of the contract, submit certification attesting that the Curb Channelizing System satisfies MASH and is approved by FHWA for high speed use.

(B) Curb Unit. The modular curb units shall be able to interface with each other to form a continuous curb. Each modular curb unit shall allow the use of end units and be bolt fastened to the underlying pavement or bridge deck according to the manufacture's recommendations. Each modular curb shall be made of high-density polyethylene or polyurethane, shall be UV resistant, and include retroreflectors. The Longitudinal Channelizing Curb System shall be designed such that it can be formed into a radius or curve, when required to follow the roadway geometry.

Individual modular curb units shall have a minimum length of 30 to 45 inches, height of 2 to 4 inches, and width of 7 to 12-1/2 inches. Each modular curb unit color shall be either yellow or white and match the adjacent pavement marking.

(C) Upright Post or Panel. Each modular curb unit shall include at least one upright post or panel. The number of posts or panels shall be as shown in the contract. Post or panel shall be flexible plastic, be able to withstand multiple errant vehicle impacts, and be UV resistant. Overall post height and retroreflective bands shall comply with the MUTCD. Posts shall be either yellow or white and match the modular curb unit and adjacent pavement marking.

694.03 Construction Requirements.

(A) Surface Preparation. The Longitudinal Channelizing Curb System shall be installed on clean, dry, and even surface. Clean roadway surfaces of debris with compressed air and dry the

surface before placing curb. If pavement markers, delineator/channelizer bases, and/or other irregularities are present, they shall be removed to provide a clean, dry, and even surface for mounting.

(B) Installation. Install the Longitudinal Channelizing Curb System per manufacturer's recommendations.

The Longitudinal Channelizing Curb System alignment, along with any drainage spaces, shall be laid out and marked. The engineer shall approve the alignment prior to installation. If the Longitudinal Channelizing Curb System needs to be realigned after installation, the Longitudinal Channelizing Curb System shall be lifted and then relocated. Sliding, dragging, or shoving of the Longitudinal Channelizing Curb System to correct alignment shall be grounds to reject the material.

Once the Longitudinal Channelizing Curb System alignment is complete and approved by the engineer, drill the mounting holes into the pavement or bridge deck. Mount each modular curb unit and post(s) or panel(s) with appropriate anchors as recommended by the manufacturer. Install the arched curb retroreflector units as recommended by the manufacturer.

694.04 Measurement. The Engineer will measure Longitudinal Channelizing Curb System per linear foot.

694.05 Payment. The Engineer will pay for the accepted quantities of Longitudinal Channelizing Curb System at the contract unit price per linear foot. Payment will be full compensation for the work prescribed in this section and the contract documents.

The Engineer will pay for the following pay items when included in the proposal schedule:

Pay Item	**Pay Unit**
Longitudinal Channelizing Curb System	Linear Foot"

END OF SECTION 694

Make the following section a part of the Standard Specifications: 6

SECTION 695 – INERTIAL BARRIER SYSTEM

695.01 Description. This work includes removal of existing module barrels, furnishing and installing new Inertial Barrier System at the prepared site shown in the plans according to the requirements of the contract or as ordered by the Engineer.

695.02 Materials. The Inertial Barrier System shall be MASH eligible (Big Sandy® or approved equal) and shall consist of the following:

(A) Container. The Inertial Barrier shall consist of modules in 200, 400, 700, 1400, and 2100 lbs. sizes. The material shall be durable, weatherproof, and shall be formulated to resist deterioration from ultraviolet rays. The color shall be yellow. This model must be of continuous molded construction and be nestable. The modules shall be designed and manufactured from a polypropylene and high-density polyethylene UV stabilized molded plastic material which shall shatter upon impact to permit dispersion of the sand mass container within. Designed into each bottom surface of the module barrels shall be three stacking lugs which assemble into three recessed voids on the outer bottom surface. This feature locks the sections together vertically and prevents shifting during transport or when stored.

(B) Lid. Each module shall have a black plastic lid manufactured with one 37 in. diameter snap on lid have a lifting flange for purposes of attaching a lifting ring to move the barrels. Material shall be durable, weatherproof, and shall be formulated to resist deterioration from ultraviolet rays.

(C) Sand. Sand placed into these modules should be washed concrete sand conforming to ASTM-C-33 or equal.

The components of the modules shall interface to prevent leakage of sand contained therein. The interface shall, however, permit drainage of excess water contained within the sand mass

695.03 Construction Requirements. The contractor shall submit 7 days following the Award of Contract, a written certification to the Engineer stating that the crash cushion to be furnished satisfies the project requirements.

Placement of the modules within an array and the geometric design of the array shall be as shown on the plans, as indicated by the manufacturer's specifications or as ordered by the Engineer.

After completion of the project, the sand will be removed and disposed from each module and each empty module shall be hauled to the Pearl City Baseyard of

as directed by the Engineer. Prior to hauling, each module shall be cleaned and nested together for transport. The Department's goal is to minimize inconvenience and provide up to date information to highway users, businesses and neighborhoods that abut, or are serviced by, the highways that comprise the project. It will be the responsibility of the Contractor to provide the following services for the well-being of the affected highway users, residents, and businesses.

695.04 Measurement. The Engineer will measure the Inertial Barrier System per lump sum.

695.05 Payment. The Engineer will pay for the accepted quantities of Inertial Barrier System, of the types specified in the proposal, per lump sum. The price includes full compensation for submitting a list of materials and equipment to be incorporated in the work; grading: furnishing, installing, and compacting aggregate subbase; furnishing, assembling, and installing an Inertial Barrier System; removal and disposal of the existing Inertial Barrier module with sand; removal & disposal of sand, cleaning and hauling the old empty modules as specified by the Engineer after completion of the project; and furnishing labor, materials, tools, equipment and incidentals necessary to complete the work.

Engineer will pay for the following pay item when included in proposal schedule:

Pay Item	Pay Unit
Inertial Barrier Module, 200 Pounds	Lump Sum
Inertial Barrier Module, 400 Pounds	Lump Sum
Inertial Barrier Module, 700 Pounds	Lump Sum
Inertial Barrier Module, 1400 Pounds	Lump Sum
Inertial Barrier Module, 2100 Pounds	Lump Sum

END OF SECTION 695

"General Decision Number: HI20210001 07/16/2021 6

Superseded General Decision Number: HI20200001

State: Hawaii

Construction Types: Building, Heavy (Heavy and Dredging), Highway and Residential

Counties: Hawaii Statewide.

BUILDING CONSTRUCTION PROJECTS; RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories); HEAVY AND HIGHWAY CONSTRUCTION PROJECTS AND DREDGING

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate,if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	01/08/2021
2	01/22/2021
3	02/12/2021
4	02/19/2021
5	03/19/2021
6	05/07/2021
7	07/02/2021
8	07/09/2021
9	07/16/2021

ASBE0132-001 08/30/2020

	Rates	Fringes
Asbestos Workers/Insulator Includes application of all insulating materials, protective coverings,		

coatings and finishes to all types of mechanical systems. Also the application of firestopping material for wall openings and penetrations in walls, floors, ceilings and curtain walls.....$ 41.90 25.65

BOIL0627-005 01/01/2013

	Rates	Fringes
BOILERMAKER	$ 35.20	27.35

BRHI0001-001 08/31/2020

	Rates	Fringes
BRICKLAYER		
Bricklayers and Stonemasons	$ 45.95	29.59
Pointers, Caulkers and Weatherproofers	$ 46.21	29.59

BRHI0001-002 08/31/2020

	Rates	Fringes
Tile, Marble & Terrazzo Worker		
Terrazzo Base Grinders	$ 41.69	28.11
Terrazzo Floor Grinders and Tenders	$ 40.14	28.11
Tile, Marble and Terrazzo Workers	$ 43.50	28.11

CARP0745-001 08/31/2020

	Rates	Fringes
Carpenters:		
Carpenters; Hardwood Floor Layers; Patent Scaffold Erectors (14 ft. and over); Piledrivers; Pneumatic Nailers; Wood Shinglers and Transit and/or Layout Man	$ 50.50	23.59
Millwrights and Machine Erectors	$ 50.75	23.59
Power Saw Operators (2 h.p. and over)	$ 50.65	23.59

CARP0745-002 08/31/2020

	Rates	Fringes
Drywall and Acoustical Workers and Lathers	$ 50.50	23.59

ELEC1186-001 08/23/2020

	Rates	Fringes

Electricians:
Cable Splicers.....$ 56.71 31.16
Electricians.....$ 51.55 29.58
Telecommunication worker....$ 32.69 12.96

ELEC1186-002 08/23/2020

	Rates	Fringes
Line Construction:		
Cable Splicers.....	$ 56.71	31.16
Groundmen/Truck Drivers.....	$ 38.66	25.63
Heavy Equipment Operators...	$ 46.40	28.00
Linemen.....	$ 51.55	29.58
Telecommunication worker....	$ 32.69	12.96

ELEV0126-001 01/01/2021

	Rates	Fringes
ELEVATOR MECHANIC.....	$ 63.18	35.825+a+b

a. VACATION: Employer contributes 8% of basic hourly rate for 5 years service and 6% of basic hourly rate for 6 months to 5 years service as vacation pay credit.

b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day and Christmas Day.

ENGI0003-002 09/03/2018

	Rates	Fringes
Diver (Aqua Lung) (Scuba))		
Diver (Aqua Lung) (Scuba) (over a depth of 30 feet)...	$ 66.00	31.26
Diver (Aqua Lung) (Scuba) (up to a depth of 30 feet)..	$ 56.63	31.26
Stand-by Diver (Aqua Lung) (Scuba).....	$ 47.25	31.26
Diver (Other than Aqua Lung)		
Diver (Other than Aqua Lung).....	$ 66.00	31.26
Diver Tender (Other than Aqua Lung).....	$ 44.22	31.26
Stand-by Diver (Other than Aqua Lung).....	$ 47.25	31.26
Helicopter Work		
Airborne Hoist Operator for Helicopter.....	$ 45.80	31.26
Co-Pilot of Helicopter.....	$ 45.98	31.26
Pilot of Helicopter.....	$ 46.11	31.26
Power equipment operator - tunnel work		
GROUP 1.....	$ 42.24	31.26
GROUP 2.....	$ 42.35	31.26
GROUP 3.....	$ 42.52	31.26
GROUP 4.....	$ 42.79	31.26
GROUP 5.....	$ 43.10	31.26
GROUP 6.....	$ 43.75	31.26
GROUP 7.....	$ 44.07	31.26
GROUP 8.....	$ 44.18	31.26

GROUP 9	$ 44.29	31.26
GROUP 9A	$ 44.52	31.26
GROUP 10	$ 44.58	31.26
GROUP 10A	$ 44.73	31.26
GROUP 11	$ 44.88	31.26
GROUP 12	$ 45.24	31.26
GROUP 12A	$ 45.60	31.26
Power equipment operators:		
GROUP 1	$ 41.94	31.26
GROUP 2	$ 42.05	31.26
GROUP 3	$ 42.22	31.26
GROUP 4	$ 42.49	31.26
GROUP 5	$ 42.80	31.26
GROUP 6	$ 43.45	31.26
GROUP 7	$ 43.77	31.26
GROUP 8	$ 43.88	31.26
GROUP 9	$ 43.99	31.26
GROUP 9A	$ 44.22	31.26
GROUP 10	$ 44.28	31.26
GROUP 10A	$ 44.43	31.26
GROUP 11	$ 44.58	31.26
GROUP 12	$ 44.94	31.26
GROUP 12A	$ 45.30	31.26
GROUP 13	$ 42.22	31.26
GROUP 13A	$ 42.49	31.26
GROUP 13B	$ 42.80	31.26
GROUP 13C	$ 43.45	31.26
GROUP 13D	$ 43.77	31.26
GROUP 13E	$ 43.88	31.26

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Fork Lift (up to and including 10 tons); Partsman (heavy duty repair shop parts room when needed).

GROUP 2: Conveyor Operator (Handling building material); Hydraulic Monitor; Mixer Box Operator (Concrete Plant).

GROUP 3: Brakeman; Deckhand; Fireman; Oiler; Oiler/Gradechecker; Signalman; Switchman; Highline Cableway Signalman; Bargeman; Bunkerman; Concrete Curing Machine (self-propelled, automatically applied unit on streets, highways, airports and canals); Leveeman; Roller (5 tons and under); Tugger Hoist.

GROUP 4: Boom Truck or dual purpose ""A"" Frame Truck (5 tons or less); Concrete Placing Boom (Building Construction); Dinky Operator; Elevator Operator; Hoist and/or Winch (one drum); Straddle Truck (Ross Carrier, Hyster and similar).

GROUP 5: Asphalt Plant Fireman; Compressors, Pumps, Generators and Welding Machines (""Bank"" of 9 or more, individually or collectively); Concrete Pumps or Pumpcrete Guns; Lubrication and Service Engineer (Grease Rack); Screedman.

GROUP 6: Boom Truck or Dual Purpose ""A""Frame Truck (over 5 tons); Combination Loader/Backhoe (up to and including 3/4 cu. yd.); Concrete Batch Plants (wet or dry); Concrete Cutter, Groover and/or Grinder (self-propelled unit on streets, highways, airports, and canals); Conveyor or Concrete Pump (Truck or Equipment Mounted); Drilling Machinery (not to apply to waterliners, wagon drills or jack hammers); Fork Lift (over 10 tons); Loader (up to and

including 3 and 1/2 cu. yds); Lull High Lift (under 40 feet); Lubrication and Service Engineer (Mobile); Maginnis Internal Full Slab Vibrator (on airports, highways, canals and warehouses); Man or Material Hoist; Mechanical Concrete Finisher (Large Clary, Johnson Bidwell, Bridge Deck and similar); Mobile Truck Crane Driver; Portable Shotblast Concrete Cleaning Machine; Portable Boring Machine (under streets, highways, etc.); Portable Crusher; Power Jumbo Operator (setting slip forms, etc., in tunnels); Rollers (over 5 tons); Self-propelled Compactor (single engine); Self-propelled Pavement Breaker; Skidsteer Loader with attachments; Slip Form Pumps (Power driven by hydraulic, electric, air, gas, etc., lifting device for concrete forms); Small Rubber Tired Tractors; Trencher (up to and including 6 feet); Underbridge Personnel Aerial Platform (50 feet of platform or less).

GROUP 7: Crusher Plant Engineer, Dozer (D-4, Case 450, John Deere 450, and similar); Dual Drum Mixer, Extend Lift; Hoist and/or Winch (2 drums); Loader (over 3 and 1/2 cu. yds. up to and including 6 yards.); Mechanical Finisher or Spreader Machine (asphalt), (Barber Greene and similar) (Screedman required); Mine or Shaft Hoist; Mobile Concrete Mixer (over 5 tons); Pipe Bending Machine (pipelines only); Pipe Cleaning Machine (tractor propelled and supported); Pipe Wrapping Machine (tractor propelled and supported); Roller Operator (Asphalt); Self-Propelled Elevating Grade Plane; Slusher Operator; Tractor (with boom) (D-6, or similar); Trencher (over 6 feet and less than 200 h.p.); Water Tanker (pulled by Euclids, T-Pulls, DW-10, 20 or 21, or similar); Winchman (Stern Winch on Dredge).

GROUP 8: Asphalt Plant Operator; Barge Mate (Seagoing); Cast-in-Place Pipe Laying Machine; Concrete Batch Plant (multiple units); Conveyor Operator (tunnel); Deckmate; Dozer (D-6 and similar); Finishing Machine Operator (airports and highways); Gradesetter; Kolman Loader (and similar); Mucking Machine (Crawler-type); Mucking Machine (Conveyor-type); No-Joint Pipe Laying Machine; Portable Crushing and Screening Plant; Power Blade Operator (under 12); Saurman Type Dragline (up to and including 5 yds.); Stationary Pipe Wrapping, Cleaning and Bending Machine; Surface Heater and Planer Operator, Tractor (D-6 and similar); Tri-Batch Paver; Tunnel Badger; Tunnel Mole and/or Boring Machine Operator Underbridge Personnel Aerial Platform (over 50 feet of platform).

GROUP 9: Combination Mixer and Compressor (gunite); Do-Mor Loaderand Adams Elegrader; Dozer (D-7 or equal); Wheel and/or Ladder Trencher (over 6 feet and 200 to 749 h.p.).

GROUP 9A: Dozer (D-8 and similar); Gradesetter (when required by the Contractor to work from drawings, plans or specifications without the direct supervision of a foreman or superintendent); Push Cat; Scrapers (up to and including 20 cu. yds); Self-propelled Compactor with Dozer; Self-Propelled, Rubber-Tired Earthmoving Equipment (up to and including 20 cu. yds) (621 Band and similar); Sheep's Foot; Tractor (D-8 and similar); Tractors with boom (larger than D-6, and similar).

GROUP 10: Chicago Boom; Cold Planers; Heavy Duty Repairman or Welder; Hoist and/or Winch (3 drums); Hydraulic Skooper (Koehring and similar); Loader (over 6 cu. yds. up to and

including 12 cu. yds.); Saurman type Dragline (over 5 cu. yds.); Self-propelled, rubber-tired Earthmoving Equipment (over 20 cu. yds. up to and including 31 cu. yds.) (637D and similar); Soil Stabilizer (P & H or equal); Sub-Grader (Gurries or other automatic type); Tractors (D-9 or equivalent, all attachments); Tractor (Tandem Scraper); Watch Engineer.

GROUP 10A: Boat Operator; Cable-operated Crawler Crane (up to and including 25 tons); Cable-operated Power Shovel, Clamshell, Dragline and Backhoe (up to and including 1 cu. yd.); Dozer D9-L; Dozer (D-10, HD41 and similar) (all attachments); Gradall (up to and including 1 cu. yd.); Hydraulic Backhoe (over 3/4 cu. yds. up to and including 2 cu. yds.); Mobile Truck Crane Operator (up to and including 25 tons) (Mobile Truck Crane Driver Required); Self-propelled Boom Type Lifting Device (Center Mount) (up to and including 25 tons) (Grove, Drott, P&H, Pettibone and similar; Trencher (over 6 feet and 750 h.p. or more); Watch Engineer (steam or electric).

GROUP 11: Automatic Slip Form Paver (concrete or asphalt); Band Wagon (in conjunction with Wheel Excavator); Cable-operated Crawler Cranes (over 25 tons but less than 50 tons); Cable-operated Power Shovel, Clamshell, Dragline and Backhoe (over 1 cu. yd. up to 7 cu. yds.); Gradall (over 1 cu. yds. up to 7 cu. yds.); DW-10, 20, etc. (Tandem); Earthmoving Machines (multiple propulsion power units and 2 or more Scrapers) (up to and including 35 cu. yds.,"" struck"" m.r.c.); Highline Cableway; Hydraulic Backhoe (over 2 cu. yds. up to and including 4 cu. yds.); Leverman; Lift Slab Machine; Loader (over 12 cu. yds); Master Boat Operator; Mobile Truck Crane Operator (over 25 tons but less than 50 tons); (Mobile Truck Crane Driver required); Pre-stress Wire Wrapping Machine; Self-propelled Boom-type Lifting Device (Center Mount) (over 25 tons m.r.c); Self-propelled Compactor (with multiple-propulsion power units); Single Engine Rubber Tired Earthmoving Machine (with Tandem Scraper); Tandem Cats; Trencher (pulling attached shield).

GROUP 12: Clamshell or Dipper Operator; Derricks; Drill Rigs; Multi-Propulsion Earthmoving Machines (2 or more Scrapers) (over 35 cu. yds ""struck""m.r.c.); Operators (Derricks, Piledrivers and Cranes); Power Shovels and Draglines (7 cu. yds. m.r.c. and over); Self-propelled rubber-tired Earthmoving equipment (over 31 cu. yds.) (657B and similar); Wheel Excavator (up to and including 750 cu. yds. per hour); Wheel Excavator (over 750 cu. yds. per hour).

GROUP 12A: Dozer (D-11 or similar or larger); Hydraulic Excavators (over 4 cu. yds.); Lifting cranes (50 tons and over); Pioneering Dozer/Backhoe (initial clearing and excavation for the purpose of providing access for other equipment where the terrain worked involves 1-to-1 slopes that are 50 feet in height or depth, the scope of this work does not include normal clearing and grubbing on usual hilly terrain nor the excavation work once the access is provided); Power Blade Operator (Cat 12 or equivalent or over); Straddle Lifts (over 50 tons); Tower Crane, Mobile; Traveling Truss Cranes; Universal, Liebher, Linden, and similar types of Tower Cranes (in the erection, dismantling, and moving of equipment there shall be an additional Operating Engineer or Heavy Duty Repairman);

Yo-Yo Cat or Dozer.

GROUP 13: Truck Driver (Utility, Flatbed, etc.)

GROUP 13A: Dump Truck, 8 cu.yds. and under (water level); Water Truck (up to and including 2,000 gallons).

GROUP 13B: Water Truck (over 2,000 gallons); Tandem Dump Truck, over 8 cu. yds. (water level).

GROUP 13C: Truck Driver (Semi-trailer. Rock Cans, Semi-Dump or Roll-Offs).

GROUP 13D: Truck Driver (Slip-In or Pup).

GROUP 13E: End Dumps, Unlicensed (Euclid, Mack, Caterpillar or similar); Tractor Trailer (Hauling Equipment); Tandem Trucks hooked up to Trailer (Hauling Equipment)

BOOMS AND/OR LEADS (HOURLY PREMIUMS):

The Operator of a crane (under 50 tons) with a boom of 80 feet or more (including jib), or of a crane (under 50 tons) with leads of 100 feet or more, shall receive a per hour premium for each hour worked on said crane (under 50 tons) in accordance with the following schedule:

Booms of 80 feet up to but not including 130 feet or Leads of 100 feet up to but not including 130 feet	0.50
Booms and/or Leads of 130 feet up to but not including 180 feet	0.75
Booms and/or Leads of 180 feet up to and including 250 feet	1.15
Booms and/or Leads over 250 feet	1.50

The Operator of a crane (50 tons and over) with a boom of 180 feet or more (including jib) shall receive a per hour premium for each hour worked on said crane (50 tons and over) in accordance with the following schedule:

Booms of 180 feet up to and including 250 feet	1.25
Booms over 250 feet	1.75

ENGI0003-004 09/04/2017

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand	$ 41.22	30.93
Boat Operator	$ 43.43	30.93
Master Boat Operator	$ 43.58	30.93
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1	$ 43.94	30.93
GROUP 2	$ 43.28	30.93
GROUP 3	$ 42.88	30.93
GROUP 4	$ 41.22	30.93
Dredging: (Derricks)		
GROUP 1	$ 43.94	30.93

GROUP 2	$ 43.28	30.93
GROUP 3	$ 42.88	30.93
GROUP 4	$ 41.22	30.93
Dredging: (Hydraulic Suction Dredges)		
GROUP 1	$ 43.58	30.93
GROUP 2	$ 43.43	30.93
GROUP 3	$ 43.28	30.93
GROUP 4	$ 43.22	30.93
GROUP 5	$ 37.88	26.76
Group 5	$ 42.88	30.93
GROUP 6	$ 37.77	26.76
Group 6	$ 42.77	30.93
GROUP 7	$ 36.22	26.76
Group 7	$ 41.22	30.93

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

GROUP 1: Clamshell or Dipper Operator.
GROUP 2: Mechanic or Welder; Watch Engineer.
GROUP 3: Barge Mate; Deckmate.
GROUP 4: Bargeman; Deckhand; Fireman; Oiler.

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

GROUP 1: Leverman.
GROUP 2: Watch Engineer (steam or electric).
GROUP 3: Mechanic or Welder.
GROUP 4: Dozer Operator.
GROUP 5: Deckmate.
GROUP 6: Winchman (Stern Winch on Dredge)
GROUP 7: Deckhand (can operate anchor scow under direction of Deckmate); Fireman; Leveeman; Oiler.

DERRICK CLASSIFICATIONS

GROUP 1: Operators (Derricks, Piledrivers and Cranes).
GROUP 2: Saurman Type Dragline (over 5 cubic yards).
GROUP 3: Deckmate; Saurman Type Dragline (up to and including 5 yards).
GROUP 4: Deckhand, Fireman, Oiler.

ENGI0003-044 09/03/2018

	Rates	Fringes
Power Equipment Operators (PAVING)		
Asphalt Concrete Material Transfer	$ 42.92	32.08
Asphalt Plant Operator	$ 43.35	32.08
Asphalt Raker	$ 41.96	32.08
Asphalt Spreader Operator	$ 43.44	32.08
Cold Planer	$ 43.75	32.08
Combination Loader/Backhoe (over 3/4 cu.yd.)	$ 41.96	32.08
Combination Loader/Backhoe (up to 3/4 cu.yd.)	$ 40.98	32.08
Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals)	$ 42.92	32.08
Grader	$ 43.75	32.08

Laborer, Hand Roller	$ 41.46	32.08
Loader (2 1/2 cu. yds. and under)	$ 42.92	32.08
Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.)	$ 43.24	32.08
Roller Operator (five tons and under)	$ 41.69	32.08
Roller Operator (over five tons)	$ 43.12	32.08
Screed Person	$ 42.92	32.08
Soil Stabilizer	$ 43.75	32.08

IRON0625-001 09/01/2020

	Rates	Fringes
Ironworkers:	$ 42.50	36.84

a. Employees will be paid $.50 per hour more while working in tunnels and coffer dams; $1.00 per hour more when required to work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.

LABO0368-001 09/02/2020

	Rates	Fringes
Laborers:		
Driller	$ 39.70	22.68
Final Clean Up	$ 29.65	18.17
Gunite/Shotcrete Operator and High Scaler	$ 39.20	22.68
Laborer I	$ 38.70	22.68
Laborer II	$ 36.10	22.68
Mason Tender/Hod Carrier	$ 39.20	22.68
Powderman	$ 39.70	22.68
Window Washer (bosun chair)	$ 38.20	22.68

LABORERS CLASSIFICATIONS

Laborer I: Air Blasting run by electric or pneumatic compressor; Asphalt Laborer, Ironer, Raker, Luteman, and Handroller, and all types of Asphalt Spreader Boxes; Asphalt Shoveler; Assembly and Installation of Multiplates, Liner Plates, Rings, Mesh, Mats; Batching Plant (portable and temporary); Boring Machine Operator (under streets and sidewalks); Buggymobile; Burning and Welding; Chainsaw, Faller, Logloader, and Bucker; Compactors (Jackson Jumping Jack and similar); Concrete Bucket Dumpman; Concrete Chipping; Concrete Chuteman/Hoseman (pouring concrete) (the handling of the chute from ready-mix trucks for such jobs as walls, slabs, decks, floors, foundations, footings, curbs, gutters, and sidewalks); Concrete Core Cutter (Walls, Floors, and Ceiling); Concrete Grinding or Sanding; Concrete: Hooking on, signaling, dumping of concrete for treme work over water on caissons, pilings, abutments, etc.; Concrete: Mixing, handling, conveying, pouring, vibrating, otherwise placing of concrete or aggregates or by any other process; Concrete: Operation of motorized wheelbarrows or buggies or machines of similar character, whether run by gas, diesel, or electric power; Concrete Placement Machine Operator: operation of Somero Hammerhead, Copperheads, or similar machines; Concrete Pump Machine

(laying, coupling, uncoupling of all connections and cleaning of equipment); Concrete and/or Asphalt Saw (Walking or Handtype) (cutting walls or flatwork) (scoring old or new concrete and/or asphalt) (cutting for expansion joints) (streets and ways for laying of pipe, cable or conduit for all purposes); Concrete Shovelers/Laborers (Wet or Dry); Concrete Screeding for Rough Strike-Off: Rodding or striking-off, by hand or mechanical means prior to finishing; Concrete Vibrator Operator; Coring Holes: Walls, footings, piers or other obstructions for passage of pipes or conduits for any purpose and the pouring of concrete to secure the hole; Cribbers, Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Curbing (Concrete and Asphalt); Curing of Concrete (impervious membrane and form oiler) mortar and other materials by any mode or method; Cut Granite Curb Setter (setting, leveling and grouting of all precast concrete or stone curbs); Cutting and Burning Torch (demolition); Dri Pak-It Machine; Environmental Abatement: removal of asbestos, lead, and bio hazardous materials (EPA and/or OSHA certified); Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Forklift (9 ft. and under); Gas, Pneumatic, and Electric tools; Grating and Grill work for drains or other purposes; Green Cutter of concrete or aggregate in any form, by hand, mechanical means, grindstone or air and/or water; Grout: Spreading for any purpose; Guinea Chaser (Grade Checker) for general utility trenches, sitework, and excavation; Headerboard Man (Asphalt or Concrete); Heat Welder of Plastic (Laborers' AGC certified workers) (when work involves waterproofing for waterponds, artificial lakes and reservoir) heat welding for sewer pipes and fusion of HDPE pipes; Heavy Highway Laborer (Rigging, signaling, handling, and installation of pre-cast catch basins, manholes, curbs and gutters); High Pressure Nozzleman - Hydraulic Monitor (over 100# pressure); Jackhammer Operator; Jacking of slip forms: All semi and unskilled work connected therewithin; Laying of all multi-cell conduit or multi-purpose pipe; Magnesite and Mastic Workers (Wet or Dry)(including mixer operator);Mortar Man; Mortar Mixer (Block, Brick, Masonry, and Plastering); Nozzleman (Sandblasting and/or Water Blasting): handling, placing and operation of nozzle; Operation, Manual or Hydraulic jacking of shields and the use of such other mechanical equipment as may be necessary; Pavement Breakers; Paving, curbing and surfacing of streets, ways, courts, under and overpasses, bridges, approaches, slope walls, and all other labor connected therewith; Pilecutters; Pipe Accessment in place, bolting and lining up of sectional metal or other pipe including corrugated pipe; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, HDPE, metallic or non-metallic, conduit, and any other stationary-type of tubular device used for conveying of any substance or element, whether water, sewage, solid, gas, air, or other product whatsoever and without regard to the nature of material from which tubular material is fabricated; No-joint pipe and stripping of same, Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, treating Creosote and similar-type materials (6-inch) pipe and over); Piping: resurfacing and paving of all ditches in preparation for laying of all pipes; Pipe laying of lateral sewer pipe from main or side

sewer to buildings or structure (except Contactor may direct work be done under proper supervision); Pipe laying, leveling and marking of the joint used for main or side sewers and storm sewers; Laying of all clay, terra cotta, ironstone, vitrified concrete, HDPE or other pipe for drainage; Placing and setting of water mains, gas mains and all pipe including removal of skids; Plaster Mortar Mixer/Pump; Pneumatic Impact Wrench; Portable Sawmill Operation: Choker setters, off bearers, and lumber handlers connected with clearing; Posthole Digger (Hand Held, Gas, Air and Electric); Powderman's Tender; Power Broom Sweepers (Small); Preparation and Compaction of roadbeds for railroad track laying, highway construction, and the preparation of trenches, footings, etc., for cross-country transmission by pipelines, electrical transmission or underground lines or cables (by mechanical means); Raising of structure by manual or hydraulic jacks or other methods and resetting of structure in new locations, including all concrete work; Ramming or compaction; Rigging in connection with Laborers' work (except demolition), Signaling (including the use of walkie talkie) Choke Setting, tag line usage; Tagging and Signaling of building materials into high rise units; Riprap, Stonepaver, and Rock Slinger (includes placement of stacked concrete, wet or dry and loading, unloading, signaling, slinging and setting of other similar materials); Rotary Scarifier (including multiple head concrete chipping Scarifier); Salamander Heater, Drying of plaster, concrete mortar or other aggregate; Scaffold Erector Leadman; Scaffolds: (Swing and hanging) including maintenance thereof; Scaler; Septic Tank/Cesspool and Drain Fields Digger and Installer; Shredder/Chipper (tree branches, brush, etc.); Stripping and Setting Forms; Stripping of Forms: Other than panel forms which are to be re-used in their original form, and stripping of forms on all flat arch work; Tampers (Barko, Wacker, and similar type); Tank Scaler and Cleaners; Tarman; Tree Climbers and Trimmers; Trencher (includes hand-held, Davis T-66 and similar type); Trucks (flatbed up to and including 2 1/2 tons when used in connection with on-site Laborers'work; Trucks (Refuse and Garbage Disposal) (from job site to dump); Vibra-Screed (Bull Float in connection with Laborers' work); Well Points, Installation of or any other dewatering system.

Laborer II: Asphalt Plant Laborer; Boring Machine Tender; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning, clearing, grading and/or removal for streets, highways, roadways, aprons, runways, sidewalks, parking areas, airports, approaches, and other similar installations; Cleaning or reconditioning of streets, ways, sewers and waterlines, all maintenance work and work of an unskilled and semi-skilled nature; Concrete Bucket Tender (Groundman) hooking and unhooking of bucket; Concrete Forms; moving, cleaning, oiling and carrying to the next point of erection of all forms; Concrete Products Plant Laborers; Conveyor Tender (conveying of building materials); Crushed Stone Yards and Gravel and Sand Pit Laborers and all other similar plants; Demolition, Wrecking and Salvage Laborers: Wrecking and dismantling of buildings and all structures, with use of cutting or wrecking tools, breaking away, cleaning and removal of all fixtures, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets,

roadways, aprons or other paved surfaces; Driller's Tender; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Fence and/or Guardrail Erector: Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, stablishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; General Excavation; Backfilling, Grading and all other labor connected therewith; Digging of trenches, ditches and manholes and the leveling, grading and other preparation prior to laying pipe or conduit for any purpose; Excavations and foundations for buildings, piers, foundations and holes, and all other construction. Preparation of street ways and bridges; General Laborer: Cleaning and Clearing of all debris and surplus material. Clean-up of right-of-way. Clearing and slashing of brush or trees by hand or mechanical cutting. General Clean up: sweeping, cleaning, wash-down, wiping of construction facility and equipment (other than ""Light Clean up (Janitorial) Laborer. Garbage and Debris Handlers and Cleaners. Appliance Handling (job site) (after delivery unlading in storage area); Ground and Soil Treatment Work (Pest Control); Gunite/Shotcrete Operator Tender; Junk Yard Laborers (same as Salvage Yard); Laser Beam ""Target Man"" in connection with Laborers' work; Layout Person for Plastic (when work involves waterproofing for waterponds, artificial lakes and reservoirs); Limbers, Brush Loaders, and Pilers; Loading, Unloading, carrying, distributing and handling of all rods and material for use in reinforcing concrete construction (except when a derrick or outrigger operated by other than hand power is used); Loading, unloading, sorting, stockpiling, handling and distribution of water mains, gas mains and all pipes; Loading and unloading of all materials, fixtures, furnishings and appliances from point of delivery to stockpile to point of installation; hooking and signaling from truck, conveyance or stockpile; Material Yard Laborers; Pipelayer Tender; Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, Creosote, and similar-type materials (pipe under 6 inches); Plasterer Laborer; Preparation, construction and maintenance of roadbeds and sub-grade for all paving, including excavation, dumping, and spreading of sub-grade material; Prestressed or precast concrete slabs, walls, or sections: all loading, unloading, stockpiling, hooking on of such slabs, walls or sections; Quarry Laborers; Railroad, Streetcar, and Rail Transit Maintenance and Repair; Roustabout; Rubbish Trucks in connection with Building Construction Projects (excluding clearing, grubbing, and excavating); Salvage Yard: All work connected with cutting, cleaning, storing, stockpiling or handling of materials, all cleanup, removal of debris, burning, back-filling and landscaping of the site; Sandblasting Tender (Pot Tender): Hoses and pots or markers; Scaffolds: Erection, planking and removal of all scaffolds used for support for lathers, plasters, brick layers, masons, and other construction trades crafts; Scaffolds: (Specially designed by carpenters) laborers shall tend said carpenter on erection and dismantling thereof, preparation for foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling

and placing of skip sheet or wood plank trench shoring); Ship Scalers; Shipwright Tender; Sign Erector (subdivision traffic, regulatory, and street-name signs); Sloper; Slurry Seal Crews (Mixer Operator, Applicator, Squeegee Man, Shuttle Man, Top Man); Snapping of wall ties and removal of tie rods; Soil Test operations of semi and unskilled labor such as filling sand bags; Striper (Asphalt, Concrete or other Paved Surfaces); Tool Room Attendant (Job Site); Traffic Delineating Device Applicator; Underpinning, lagging, bracing, propping and shoring, loading, signaling, right-of-way clearance along the route of movement, The clearance of new site, excavation of foundation when moving a house or structure from old site to new site; Utilities employees; Water Man; Waterscape/Hardscape Laborers; Wire Mesh Pulling (all concrete pouring operations); Wrecking, stripping, dismantling and handling concrete forms an false work.

LABO0368-002 09/01/2020

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1	$ 26.40	14.25
GROUP 2	$ 27.40	14.25
GROUP 3	$ 21.70	14.25

LABORERS CLASSIFICATIONS

GROUP 1: Installation of non-potable permanent or temporary irrigation water systems performed for the purposes of Landscaping and Irrigation architectural horticultural work; the installation of drinking fountains and permanent or temporary irrigation systems using potable water for Landscaping and Irrigation architectural horticultural purposes only. This work includes (a) the installation of all heads, risers, valves, valve boxes, vacuum breakers (pressure and non-pressure), low voltage electrical lines and, provided such work involves electrical wiring that will carry 24 volts or less, the installation of sensors, master control panels, display boards, junction boxes, conductors, including all other components for controllers, (b) and metallic (copper, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe including all work incidental thereto, i.e., unloading, handling and distribution of all pipes fittings, tools, materials and equipment, (c) all soldering work in connection with the above whether done by torch, soldering iron, or other means; (d) tie-in to main lines, thrust blocks (both precast and poured in place), pipe hangers and supports incidental to installation of the entire irrigation system, (e) making of pressure tests, start-up testing, flushing, purging, water balancing, placing into operation all irrigation equipment, fixtures and appurtenances installed under this agreement, and (f) the fabrication, replacement, repair and servicing oflandscaping and irrigation systems. Operation of hand-held gas, air, electric, or self-powered tools and equipment used in the performance of Landscape and Irrigation work in connection with architectural horticulture; Choke-setting, signaling, and rigging for equipment operators on job-site in the performance of such Landscaping and Irrigation work; Concrete work (wet or dry)

performed in connection with such Landscaping and Irrigation work. This work shall also include the setting of rock, stone, or riprap in connection with such Landscape, Waterscape, Rockscape, and Irrigation work; Grubbing, pick and shovel excavation, and hand rolling or tamping in connection with the performance of such Landscaping and Irrigation work; Sprigging, handseeding, and planting of trees, shrubs, ground covers, and other plantings and the performance of all types of gardening and horticultural work relating to said planting; Operation of flat bed trucks (up to and including 2 1/2 tons).:

GROUP 2. Layout of irrigation and other non-potable irrigation water systems and the layout of drinking fountains and other potable irrigation water systems in connection with such Landscaping and Irrigation work. This includes the layout of all heads, risers, valves, valve boxes, vacuum breakers, low voltage electrical lines, hydraulic and electrical controllers, and metallic (coppers, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe. This work also includes the reading and interpretation of plans and specifications in connection with the layout of Landscaping, Rockscape, Waterscape, and Irrigation work; Operation of Hydro-Mulching machines (sprayman and driver), Drillers, Trenchers (riding type, Davis T-66, and similar) and fork lifts used in connection with the performance of such Landscaping and Irrigation work; Tree climbers and chain saw tree trimmers, Sporadic operation (when used in connection with Landscaping, Rockscape, Waterscape, and Irrigation work) of Skid-Steer Loaders (Bobcat and similar), Cranes (Bantam, Grove, and similar), Hoptos, Backhoes, Loaders, Rollers, and Dozers (Case, John Deere, and similar), Water Trucks, Trucks requiring a State of Hawaii Public Utilities Commission Type 5 and/or type 7 license, sit-down type and ""gang"" mowers, and other self-propelled, sit-down operated machines not listed under Landscape & Irrigation Maintenance Laborer; Chemical spraying using self-propelled power spraying equipment (200 gallon capacity or more).

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not ""take"" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and runing, including the use of ""weed eaters"", hedge trimmers, vacuums, blowers, and other hand-held gas, air, electric, or self-powered tools, and the operation of lawn mowers (Note: The operation of sit-down type and ""gang"" mowers shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer, Group 2); Guywiring, staking, propping, and supporting trees; Fertilizing, Chemical spraying using spray equipment with less than 200 gallon capacity, Maintaining irrigation and sprinkler systems, including the staking, clamping, and adjustment of risers, and the adjustment and/or replacement of sprinkler heads, (Note: the cleaning and gluing of pipe and fittings shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer(Group 1); Watering by hand or sprinkler system and the peformance of other types of gardening, yardman, and horticultural-related work.

LABO0368-003 09/02/2020

	Rates	Fringes
Underground Laborer		
GROUP 1	$ 39.30	22.68
GROUP 2	$ 40.80	22.68
GROUP 3	$ 41.30	22.68
GROUP 4	$ 42.30	22.68
GROUP 5	$ 42.65	22.68
GROUP 6	$ 42.90	22.68
GROUP 7	$ 43.35	22.68

GROUP 1: Watchmen; Change House Attendant.

GROUP 2: Swamper; Brakeman; Bull Gang-Muckers, Trackmen; Dumpmen (any method); Concrete Crew (includes rodding and spreading); Grout Crew; Reboundmen

GROUP 3: Chucktenders and Cabletenders; Powderman (Prime House); Vibratorman, Pavement Breakers

GROUP 4: Miners - Tunnel (including top and bottom man on shaft and raise work); Timberman, Retimberman (wood or steel or substitute materials thereof); Blasters, Drillers, Powderman (in heading); Microtunnel Laborer; Headman; Cherry Pickerman (where car is lifted); Nipper; Grout Gunmen; Grout Pumpman & Potman; Gunite, Shotcrete Gunmen & Potmen; Concrete Finisher (in tunnel); Concrete Screed Man; Bit Grinder; Steel Form Raisers & Setters; High Pressure Nozzleman; Nozzleman (on slick line); Sandblaster-Potman (combination work assignment interchangeable); Tugger

GROUP 5: Shaft Work & Raise (below actual or excavated ground level); Diamond Driller; Gunite or Shotcrete Nozzleman; Rodman; Groundman

GROUP 6: Shifter

GROUP 7: Shifter (Shaft Work & Raiser)

PAIN1791-001 07/01/2021

	Rates	Fringes
Painters:		
Brush	$ 38.90	30.09
Sandblaster; Spray	$ 38.90	30.09

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* PAIN1889-001 07/01/2021

	Rates	Fringes
Glaziers	$ 40.50	36.18

PAIN1926-001 02/28/2021

	Rates	Fringes
Soft Floor Layers	$ 37.77	32.07

PAIN1944-001 01/05/2020

	Rates	Fringes
Taper	$ 43.10	29.90

PLAS0630-001 08/31/2020

	Rates	Fringes
PLASTERER	$ 43.69	31.68

PLAS0630-002 08/31/2020

	Rates	Fringes
Cement Masons:		
Cement Masons	$ 42.65	32.29
Trowel Machine Operators	$ 42.80	32.29

PLUM0675-001 07/04/2021

	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter	$ 48.63	28.40

ROOF0221-001 09/06/2020

	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply)	$ 41.80	20.50

SHEE0293-001 09/02/2018

	Rates	Fringes
Sheet metal worker	$ 42.55	27.44

SUHI1997-002 09/15/1997

	Rates	Fringes
Drapery Installer	$ 13.60	1.20
FENCE ERECTOR (Chain Link Fence)	$ 9.33	1.65

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including

preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

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

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

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

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

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

The request should be accompanied by a full statement of the

interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.0100	Clearing and Grubbing	L.S.	L.S.	L.S.	$
202.0100	Removal of Concrete Curb	L.S.	L.S.	L.S.	$
202.0200	Removal of Bridge Railing - Concrete	L.S.	L.S.	L.S.	$
202.0300	Removal of Bridge Railing - Metal	L.S.	L.S.	L.S.	$
202.0400	Removal of Guardrail, End Terminals and Attenuators	L.S.	L.S.	L.S.	$
202.0500	Removal of Signs and Posts	L.S.	L.S.	L.S.	$
202.0600	Removal of Survey Monuments	L.S.	L.S.	L.S.	$
202.0700	Removal of 4-Foot Chain Link Fence	L.S.	L.S.	L.S.	$
202.0800	Removal of Flexible Delineators	L.S.	L.S.	L.S.	$
204.0100	Trench Excavation for Traffic Counting Station Systems	L.S.	L.S.	L.S.	$
204.0200	Trench Backfill for Traffic Counting Station Systems	L.S.	L.S.	L.S.	$
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	$
209.0200	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	$ 100,000.00
219.0100	Hazardous Waste Remediation	F.A.	F.A.	F.A.	$ 150,000.00
301.0100	HMA Base Course	32,945	TON	$	$

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
401.0100	Pavement Smoothness Incentive	Allowance	Allowance	Allowance	$ 300,620.00
401.0200	HMA Pavement, Mix No. IV	16,660	TON	$	$
401.0300	Polymer Modified Asphalt Pavement, PMA	11,321	TON	$	$
406.0100	Stone Matrix Asphalt Pavement, SMA	16,612	TON	$	$
414.0100	Excavation of Weakened Pavement Areas	724	C.Y.	$	$
414.0200	Furnishing and Installing Geogrid (GlassGrid 8511TF)	12,400	S.Y.	$	$
414.0300	Furnishing and Installing Geogrid (GG100)	2,400	S.Y.	$	$
415.0100	Cold Planing	L.S.	L.S.	L.S.	$
507.0100	Metal Bridge Railing	L.S.	L.S.	L.S.	$
507.0200	Concrete Bridge Railing	L.S.	L.S.	L.S.	$
512.0100	Concrete Rehabiliation of Cracks	49	L.F.	$	$
512.0200	Concrete Rehabilitation of Spalls	200	S.F.	$	$
520.0100	Bridge Joint Repair	2,189	L.F.	$	$
602.0100	Replace Reinforcing Steel	F.A.	F.A.	F.A.	$ 40,000.00
603.0100	Clean Existing Culverts	F.A.	F.A.	F.A.	$ 75,000.00

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
603.0200	Adjusting Storm Drain Manhole Frame and Cover	56	EA	$_____	$_____
604.0100	Cast Iron Grate 8 ¼"x1'-11 ¾"x1" (Viaduct Deck Scuppers)	5	EA	$_____	$_____
606.0100	Midwest Guardrail System, MGS	1,223	L.F.	$_____	$_____
606.0200	Midwest Guardrail System, MGS (with Rubrails)	50	L.F.	$_____	$_____
606.0300	Midwest Guardrail System on 2:1 Fill Slope (9ft Posts)	4,115	L.F.	$_____	$_____
606.0400	Midwest Guardrail System (with Rubrails) on 2:1 Fill Slope (9ft Posts)	672	L.F.	$_____	$_____
606.0500	Thrie Beam Connection with Transition to Midwest Guardrail (25 LF Railing Replacement only)	26	EA	$_____	$_____
606.0600	Transition Section, Thrie Beam to MGS	6	EA	$_____	$_____
606.0700	Transition Section, Thrie Beam to Strong Post	13	EA	$_____	$_____
606.0800	Long-Span MGS Type 3 W-Beam, 31-Inches (3-Post Omitted)	2	EA	$_____	$_____
606.0900	Long-Span MGS Type 3 W-Beam, 28-Inches (3-Post Omitted)	1	EA	$_____	$_____
606.1000	Long-Span MGS Type 3 W-Beam, 31-Inches, (with 9ft Posts), (3-Post Omitted)	9	EA	$_____	$_____
606.1100	MGS Transition to Strong Post Guardrail	19	EA	$_____	$_____
606.1200	MGS Transition to Strong Post Guardrail (with 9ft Posts)	17	EA	$_____	$_____
606.1300	W-Beam Guardrail (Railing only, existing posts to remain)	165	L.F.	$_____	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
606.1400	W-Beam Guardrail (with Rubrails) (Railing only, existing posts to remain)	50	L.F.	$_____	$_____
606.1500	Thrie Beam Guardrail, Type 3 (Railing only, existing posts to remain)	1,439	L.F.	$_____	$_____
606.1600	Thrie Beam Guardrail, Type 3 (with Posts)	210	L.F.	$_____	$_____
606.1700	Thrie Beam Terminal Connector	11	EA	$_____	$_____
606.1800	Thrie Beam Rounded End Section	4	EA	$_____	$_____
606.1900	W-Beam Rounded End Section	2	EA	$_____	$_____
606.2000	MSKT - SP - MGS (TL-3) End Treatment	6	EA	$_____	$_____
606.2100	Trailing-End Anchorage System	11	EA	$_____	$_____
606.2200	SoftStop (TL-2) End Treatment	1	EA	$_____	$_____
607.0100	4-Foot Chain Link Fence, without Toprail	45	L.F.	$_____	$_____
612.0100	Grouted Rubble Paving Type 1 (GRP1)	4,975	S.F.	$_____	$_____
612.0200	Grouted Rubble Paving Type 2 (GRP2)	3,075	S.F.	$_____	$_____
612.0300	4" Layer 2-1/2" Dia. Recycled Crushed Concrete or Basalt Gravel	3,770	S.F.	$_____	$_____
613.0100	Reconstructing Centerline and Reference Survey Monuments	36	EA	$_____	$_____
616.0100	Temporary Irrigation System	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
617.0100	Imported Planting Soil	L.S.	L.S.	L.S.	$_____
619.0100	Wilhelmina Tenney Rainbow Shower Trees	2	EA	$_____	$_____
619.0200	Beach Naupaka Shrubs	74	EA	$_____	$_____
619.0300	Pohinahina Shrubs	5	EA	$_____	$_____
619.0400	Yellow Allamanda Shrubs	45	EA	$_____	$_____
619.0500	Hydroseed Buffel Grass	21,480	S.F.	$_____	$_____
619.0600	Wood Chip Mulch	2,500	S.F.	$_____	$_____
621.0100	Ramp Traffic Counting Systems	19	EA	$_____	$_____
621.0200	Restore EVC Traffic Counting Systems	3	EA	$_____	$_____
622.0100	Roadway Lighting System	L.S.	L.S.	L.S.	$_____
622.0200	Adjust Electrical Manhole	3	EA	$_____	$_____
622.0300	Adjust Hawaiian Telcom Manhole	7	EA	$_____	$_____
626.0100	Adjusting Water Manhole Frame and Cover	41	EA	$_____	$_____
626.0200	Adjusting Water Standard Valve Box	84	EA	$_____	$_____
626.0300	Adjusting Sewer Manhole Frame and Cover	42	EA	$_____	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.0100	Single 4-Inch White Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0200	Single 4-Inch White Guide Line (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0300	Single 4-Inch Yellow Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0400	Double 4-Inch White Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0500	Double 4-Inch Yellow Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0600	Doulble 4-Inch Yellow Dashed Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0700	Single 8-Inch White Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0800	Single 8-Inch White Lane Drop Marking (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.0900	Single 12-Inch White Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.1000	Single 12-Inch Yellow Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.1100	24-Inch Crosswalk Marking	L.S.	L.S.	L.S.	$
629.1200	Profiled Thermoplastic Striping (White)	L.S.	L.S.	L.S.	$
629.1300	Type C Pavement Marker	L.S.	L.S.	L.S.	$
629.1400	Type D Pavement Marker	L.S.	L.S.	L.S.	$
629.1500	Type F Pavement Marker (BWS Fire Hydrant Marker)	L.S.	L.S.	L.S.	$

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1600	Type H Pavement Marker	L.S.	L.S.	L.S.	$
629.1700	Pavement Arrow (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.1800	Pavement Word Marking (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
629.1900	Pavement Symbol (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$
630.0100	Replacement of Existing Sign Panel with New Destination and Guide Sign Panels (Extruded Aluminum Panels)	3,550	S.F.	$	$
630.0200	Replacement of Existing Sign Panel with New Destination and Guide Sign Panels (Sheet Aluminum)	620	S.F.	$	$
630.0300	Destination Sign (10 Sq. Feet or less) with Post	4	EA	$	$
630.0400	Destination Sign (10 Sq. Feet or less) without Post	8	EA	$	$
630.0500	Guide Sign - Conventional Rd. (10 Sq. Feet or less) with Post	10	EA	$	$
630.0600	Guide Sign - Conventional Rd. (10 Sq. Feet or less) without Post	28	EA	$	$
630.0700	Reinstall Existing Street Name Signs to new posts	18	EA	$	$
631.0100	Regulatory Sign (10 Sq. Feet or less) with Post	134	EA	$	$
631.0200	Regulatory Sign (10 Sq. Feet or less) without Post	159	EA	$	$
631.0300	Regulatory Sign (more than 10 Sq. Feet) with Post	13	EA	$	$
631.0400	Regulatory Sign (more than 10 Sq. Feet) without Post	19	EA	$	$

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
631.0500	Warning Sign (10 Sq. Feet or less) with Post	20	EA	$_____	$_____
631.0600	Warning Sign (10 Sq. Feet or less) without Post	11	EA	$_____	$_____
631.0700	Warning Sign (more than 10 Sq. Feet) with Post	23	EA	$_____	$_____
631.0800	Warning Sign (more than 10 Sq. Feet) without Post	16	EA	$_____	$_____
631.0900	School Sign (10 Sq. Feet or less) with Post	1	EA	$_____	$_____
631.1000	School Sign (10 Sq. Feet or less) without Post	1	EA	$_____	$_____
631.1100	Miscellaneous Sign (10 Sq. Feet or less) with Post	3	EA	$_____	$_____
631.1200	Miscellaneous Sign (10 Sq. Feet or less) without Post	4	EA	$_____	$_____
631.1300	Miscellaneous Sign (more than 10 Sq. Feet) with Post	3	EA	$_____	$_____
631.1400	Miscellaneous Sign (more than 10 Sq. Feet) without Post	6	EA	$_____	$_____
632.0100	Reflector Marker RM-2 (with Post)	80	EA	$_____	$_____
632.0200	Reflector Marker RM-2 (with Flexible Post)	37	EA	$_____	$_____
632.0300	Reflector Marker RM-2 (without Post)	245	EA	$_____	$_____
632.0400	Reflector Marker RM-3 (without Post)	4	EA	$_____	$_____
632.0500	Type I Object Marker (OM1-3) with Post	3	EA	$_____	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
632.0600	Type I Object Marker (OM1-3) without Post	10	EA	$_____	$_____
632.0700	Type III Object Marker (OM3-1L) without Post	1	EA	$_____	$_____
632.0800	Type III Object Marker (OM3-1R) with Post	8	EA	$_____	$_____
632.0900	Type III Object Marker (OM3-1R) without Post	3	EA	$_____	$_____
632.1000	Mile Post Marker (with Post)	6	EA	$_____	$_____
632.1100	Mile Post Marker (without Post)	7	EA	$_____	$_____
632.1200	Mile Post Marker with Post (Bi-directional)	1	EA	$_____	$_____
636.0100	E-Construction License	F.A.	F.A.	F.A.	$ 338,100.00
638.0100	Curb, Type 2D	L.S.	L.S.	L.S.	$_____
638.0200	4-Inch Curb	L.S.	L.S.	L.S.	$_____
642.0100	Plant Maintenance	14	Month	$_____	$_____
642.0200	Irrigation Maintenance	14	Month	$_____	$_____
643.0100	Maintenance of Existing Landscape Areas	F.A.	F.A.	F.A.	$ 100,000.00
645.0100	Traffic Control	L.S.	L.S.	L.S.	$_____
645.0200	Additional Police Officers and/or Additional Traffic Control Devices, And Advertisement	F.A.	F.A.	F.A.	$ 400,000.00

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	$
676.0100	Repair for Concrete Deck	770	S.F.	$	$
692.0100	Voluntary Partnering	F.A.	F.A.	F.A.	$ 20,000.00
693.0100	Terminal Impact Attenuator - (SCI 100 GM or Equivalent)	10	EA	$	$
693.0200	Terminal Impact Attenuator - (SCI 70 GM or Equivalent)	1	EA	$	$
693.0300	SCI 100 GM Transition to W-Beam (28" or 31" High)	2	EA	$	$
694.0100	Longitudinal Channelizing Curb System	760	L.F.	$	$
695.0100	Intertial Barrier Module, 200 Pounds	L.S.	L.S.	L.S.	$
695.0200	Intertial Barrier Module, 400 Pounds	L.S.	L.S.	L.S.	$
695.0300	Intertial Barrier Module, 700 Pounds	L.S.	L.S.	L.S.	$
695.0400	Intertial Barrier Module, 1400 Pounds	L.S.	L.S.	L.S.	$
695.0500	Intertial Barrier Module, 2100 Pounds	L.S.	L.S.	L.S.	$
696.0100	Field Office Trailer (Not to Exceed $32,000.00)	L.S.	L.S.	L.S.	$
696.0200	Maintenance of Trailer	F.A.	F.A.	F.A.	$ 40,000.00
697.0100	Public Education Materials or Services	F.A.	F.A.	F.A.	$ 250,000.00
699.0100	Mobilization (Not to exceed 6 percent of the sum of all items excluding bid price of this item)	L.S.	L.S.	L.S.	$
	SUM OF ALL ITEMS				**$**

PROPOSAL SCHEDULE

SUMMARY FOR PROPOSAL SCHEDULES

a. Sum of All Items ..... $ _____

b. Roadway Completion Time (calendar days) ..... _____

c. Product of Roadway Completion Time and Road User Cost
____b___ calendar days x $25,000/calendar Day ..... $ _____

d. TOTAL AMOUNT FOR COMPARISON OF BIDS (a + c) ..... $ _____

NOTES:
1. Bids shall include all Federal, State, County and other applicable taxes.
2. The TOTAL AMOUNT FOR COMPARISON OF BIDS will be used to determine the lowest responsible bidder.
3. In case of a discrepancy between the unit price and the total in said bid, the unit price shall prevail.
4. Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejections of bids.

PROPOSAL SCHEDULE

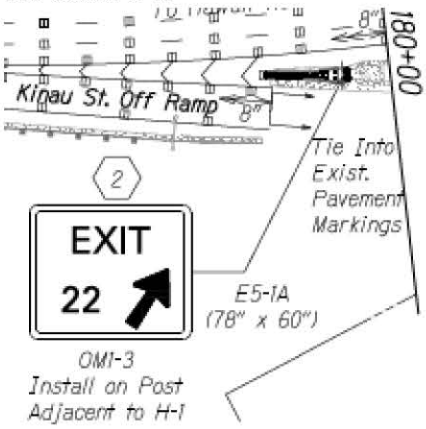
The bidder is directed to Subsection 105.16 – Subcontracts.

The bidder's attention is directed to Sections 696 - Field Office and Project Site Laboratory and 699 - Mobilization for the limitation of the amount bidders are allowed to bid.

If the bid price for any proposal item having a maximum allowable bid indicated therefore in any of the contract documents is in excess of such a maximum amount, the bid price for such proposal item shall be adjusted to reflect the limitation thereon. The comparison of bids to determine the successful bidder and the amount of contract to be awarded shall be determined after such adjustments are made, and such adjustments shall be binding upon the bidder.

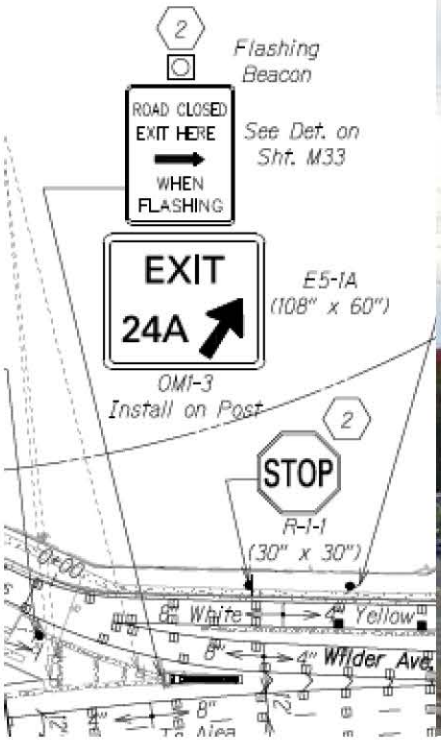
The bidder is directed to Section 717 – Cullet and Cullet-Made Materials regarding recycling of waste glass.

1. There are pay items and details missing from the bid proposal and drawings.
There are call outs for posts for exit signs that are currently on I beam posts
There is no pay item nor is there detail for these posts:
On sheet 143



All existing I-Beam posts shall remain in place. Only the corresponding destination or guide signs will be replaced. Refer to updated Pavement Marking & Signing Plans.

2. There are call outs for posts for exit signs that are currently on I pipe post
There is no pay item nor is there detail for these post:
On sheet 154 – this post sems to have electoral hook up as well.

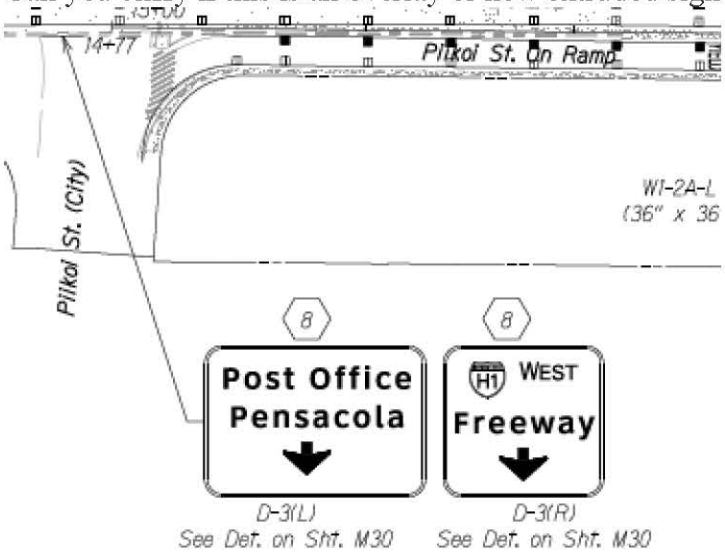


All existing I-Pipe posts and Flashing Beacons shall remain in place. Only the corresponding destination or guide signs will be replaced. Refer to updated Pavement Marking & Signing Plans.

3. For all the exit signs designated as E5-1A.

Ref. Sht.	Sign #	
143	E5-1A	Exit 22 Arrow
144	E5-1A	Exit 22 Arrow
148	E5-1A	Exit 23 Arrow
150	E5-1A	Exit 23 Arrow
152	E5-1A	Exit 24 A Arrow
154	E5-1A	Exit 23 Arrow
155	E5-1A	Exit 24 B Arrow
155	E5-1A	Exit 24 B Arrow
158	E5-1A	Exit 25 A Arrow
158	E5-1A	Exit 25 A Arrow

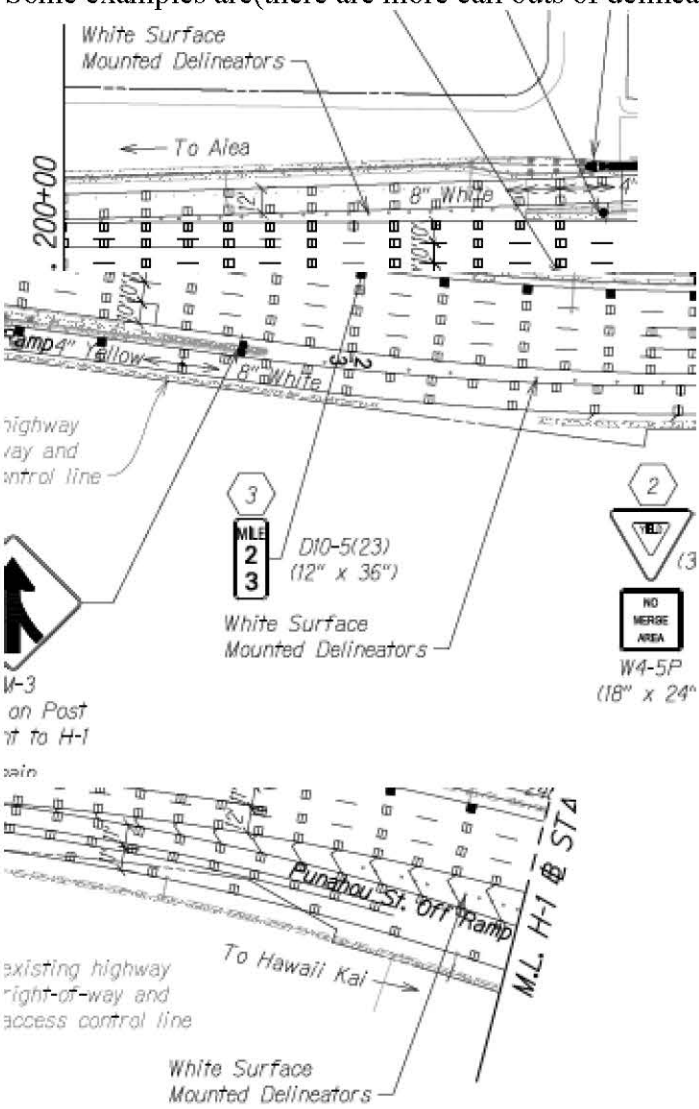
There is no information provided if these signs are extruded aluminum or overlay.
As these signs were just replaced a couple of years ago, similar to the overhead expressway signs.
There is a major price difference between the overlay and the extruded material and installation.
Can you please provide clarification.
One example of this is:
Call out is to Remove Existing sign and reinstall sign, but these signs were installed at the same time as the Expressway Overhead signs?
Can you cliffy if this is an overlay or new extruded sign?



Typically large signs similar to the Destination signs and Guide Signs greater then 10 SF are priced per SF and not per each, as there is such a price difference from a signs that is 11 SF to one that is over 150 SF.

The large Destination signs and Guide signs have separated and called out under two material items in the Add. 6 plans and proposal – Extruded Aluminum Panels type and Sheet Aluminum type. Refer to updated Pavement Marking Plans and Proposal items 630.0100 and 630.0200.

4. There are delineators called out in the plans, but there is no pay item or details provided on the type (with curb or without curb) or quantity required.
Some examples are(there are more call outs of delineators without adequate information):



Existing delineators removal, Reflector Marker RM-2 (with Flexible Post) and Longitudinal Channelizing Curb System are callout on the plans. Refer to Add 6 plans and proposal items, 202.0800, 632.0200 and 694.0100.

5. There is also discrepancies from Addendum 3 for the information provided….
For Question and Answer #77 it directs Regulatory signs to be paid under General Information Signs, but there continues to be a pay item for Regulatory signs in the proposal provided in addendum #4.

Can you please clarify this?

77. Can you please clarify the what signs on the plans sheets are to be categorized for pay item 631.1000 General Information Sign 10 SF or less? Please clarify what signs are in the designation of General Information Signs?

Refer to Pavement Marking and Signing Plans, and Sign Detail Plans for specific sign type and dimensions. General information, Regulatory, Pedestrian and School signs 10 SF or less are applicable under this item.

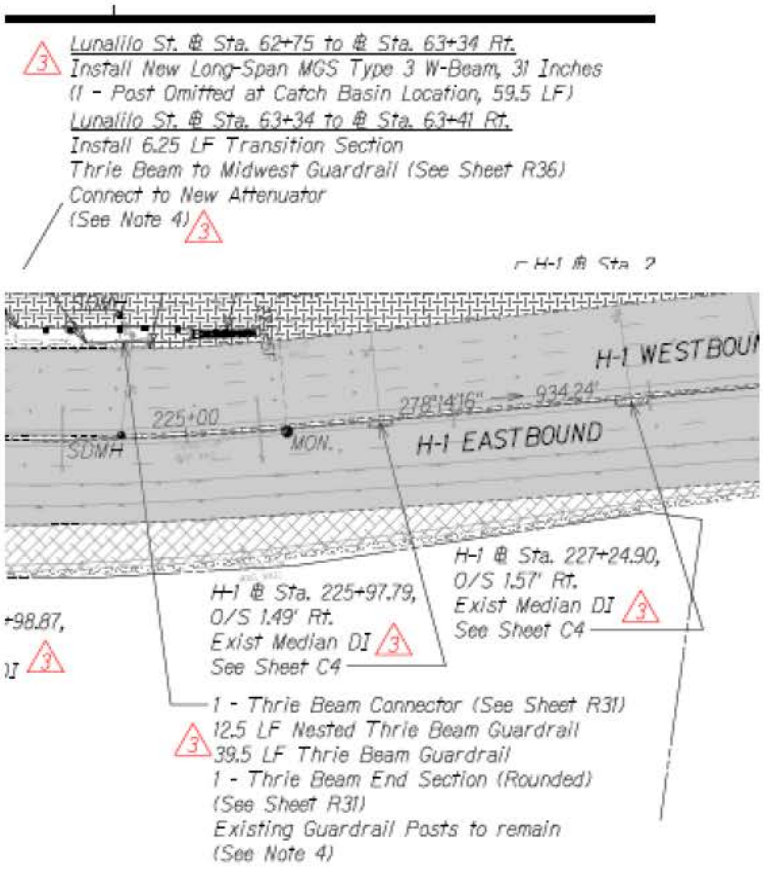
631.0100	Regulatory Sign (10 Sq. Feet or less)	267	EA
631.0200	Regulatory Sign (more than 10 Sq. Feet)	34	EA
631.0300	Warning Sign (10 Sq. Feet or less)	34	EA
631.0400	Warning Sign (more than 10 Sq. Feet)	34	EA
631.0500	Destination Sign (10 Sq. Feet or less)	40	EA
631.0600	Destination Sign (more than 10 Sq. Feet)	37	EA
631.0700	Guide Sign - Expressway (10 Sq. Feet or less)	24	EA
631.0800	Guide Sign - Conventional Rd. (10 Sq. Feet or less)	40	EA
631.0900	Guide Sign - Expressway (more than 10 Sq. Feet)	10	EA
631.1000	General Information Sign (10 Sq. Feet or less)	8	EA

Regulatory Signs shall be accounted and paid for under the corresponding proposal items 631.0100 and 631.0200.

6. For the guardrail call out on sheet Add 61, can you please clarify callouts for this location? Call is for the following from sheet 80

3	H-1 WB Shoulder	@ 224+51±	@ 225+07	–	- Thrie Beam Connector - 12.5 LF Nested Thrie Beam Guardrail - 39.5 LF Thrie Beam Guardrail - Thrie Beam End Section (Rounded), existing guardrail posts to remain
R6 3	Lunalilo Street (Rt.)	@ 62+52	@ 62+75	–	- Trailing-End Anchorage System
4 3	Lunalilo Street (Rt.)	@ 62+75	@ 63+34	59.5	- Long-Span Midwest Guardrail System, (1 - Post Omitted at Catch Basin Location)
	Lunalilo Street (Rt.)	@ 63+34	@ 63+41	6.25	- Transition Section Thrie Beam to Midwest Guardrail - Connect to New Impact Attenuator

From sheet 61

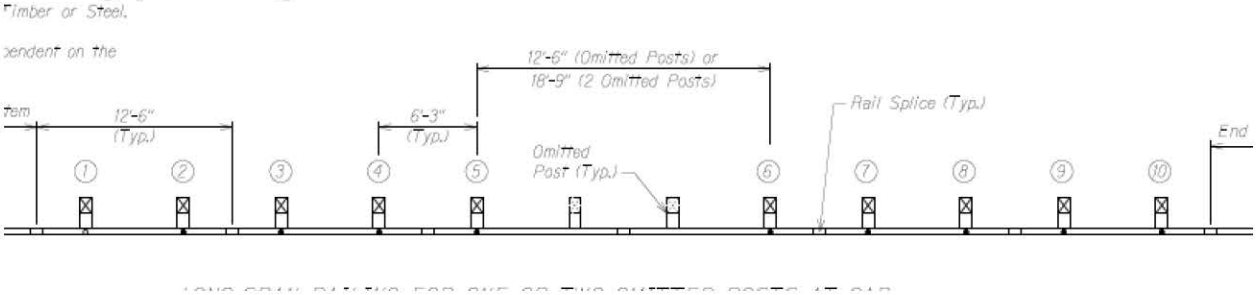


This is the current situation at the location

H-1 side

Lunalilo Side

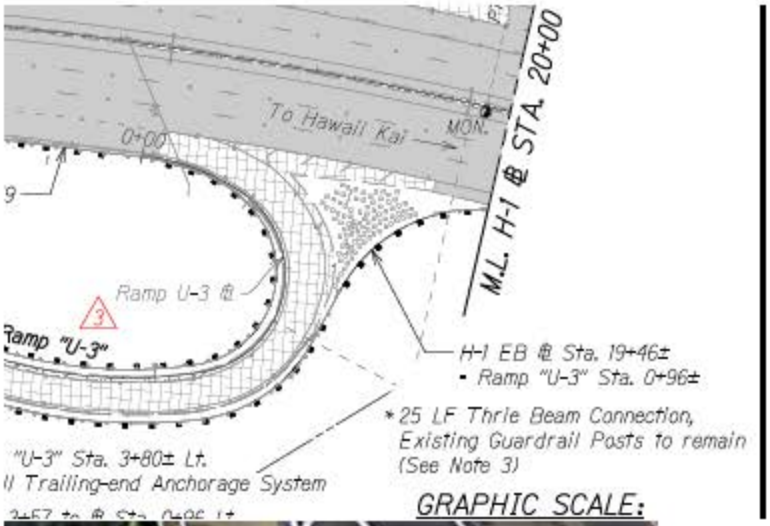
This is a major issue with installation.
There are no current Thrie beam posts on the catch basin on the H-1 side.
There does not seem to be enough room to install the long span on the Lunanlilo side. (long span needs 28.125 LF before and after the missing post.
See long span drawing below

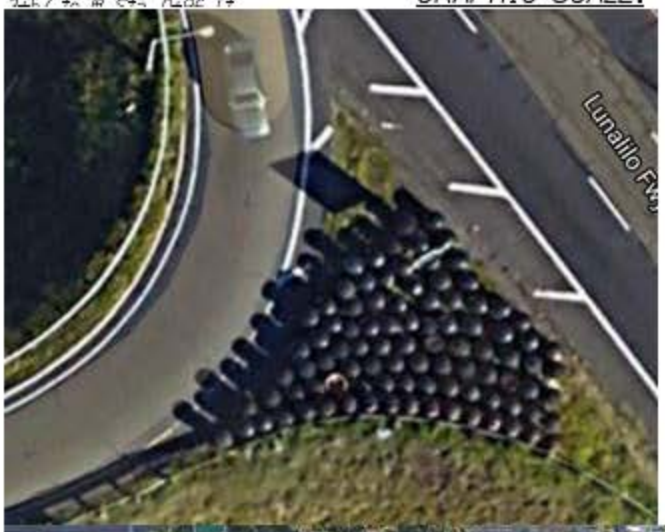


The guardrail design is updated at this specific site constrained area in the Add. 6 plans, special provision and proposal.

7. On Sheet 69 there is a call out to remove and replace the GR, but there are many crash barrels in the way.
Many of these barrels are partially damaged or weathered due to being installed many years ago.

Can you please consider either not removing the existing GR or removing and replacing all the barrels.





Existing modules shall be replaced. Refer to Add. 6 special provision 695 and plans.

8. The following questions & answers #75 and #76 do not match up with the drawings and quantities:

75. Can you please clarify the what signs on the plans sheets are to be categorized for pay item 631.0500 Destination Sign 10 SF or less & 631.0600 Destination Sign More than 10 SF? Please clarify what signs are in the designation of Destination Signs?

Refer to plan sheets M30 through M34 for Destination signs details, categorized as "D". Areas shall be based on the provided dimensions.

76. Can you please clarify the what signs on the plans sheets are to be categorized for pay item 631.0700 Guide Sign Expressway 10 SF or less,631.0800 Guide Sign Conventional Rd More than 10 SF, & 631.0900 Guide Sign Expressway more than 10 SF? Please clarify what signs are in the designation of Guide Signs?

Refer to plan sheets M25 through M29 for Expressway signs details, categorized as "E". Areas shall be based on the provided dimensions.

For Question #75 Destination signs

631.0500	Destination Sign (10 Sq. Feet or less)	40	EA
631.0600	Destination Sign (more than 10 Sq. Feet)	37	EA

On plans sheets M30-M34 have 8 signs 10 SF or less but proposal has 40 Each signs
On plans sheets M30-M34 have 32 signs more than 10 SF but proposal has 37 Each signs

For Question #76 Guide signs

631.0700	Guide Sign - Expressway (10 Sq. Feet or less)	24	EA
631.0800	Guide Sign - Conventional Rd. (10 Sq. Feet or less)	40	EA
631.0900	Guide Sign - Expressway (more than 10 Sq. Feet)	10	EA

On plan sheets M25 to M29 there are 44 signs and there are 10 Each Exit signs with the designation E5-1A for a total of 55 signs that are greater than 10 SF

And there are no signs that are less than 10 SF that are listed on sheets M25 to M29.

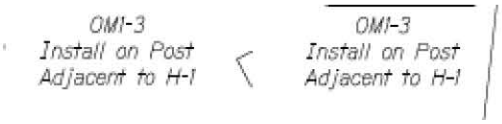
Sign quantities are updated in the Add. 6 special provisions, proposal and plans.

9. For Type III OM the pay item does not match the call outs in the plans.
In the plans there are call outs for Type III OM with posts and Type III OM without posts, but none with a flexible posts.
Can you please clarify?

632.0200	Type III Object Marker with flexible post	11	EA

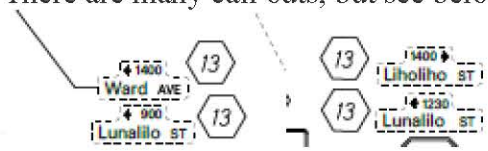
Type III OM pay items are updated in the Add. 6 special provisions, proposal and plans.

10. There are also call outs for OM3-1 but there is no pay item.



Corresponding OM pay items and plan callouts are updated in the Add. 6 special provisions, proposal and plans.

11. There are also Reinstall Street name signs without a pay item
There are many call outs, but see below for examples



Pay item to reinstall street name signs on new post is now included in the Add. 6 proposal.

12. There is a call out for 101 LF Thrie Beam GR (does not say without posts) including posts
There is a call out for 102 LF Thrie Beam GR (does not say without posts) including posts

3	H-1 EB Shoulder (along Punahou Street)	℄ 239+67	℄ 240+71	--	- Connect to New Impact Attenuator - 101 LF Thrie Beam Guardrail, - Thrie Beam Connector
R8 4 3	Punahou St. Off Ramp (Lt.)	Punahou St. Off Ramp ℄ 19+75	Punahou St. Off Ramp ℄ 20+75	--	- Connect to New Impact Attenuator - 102 LF Thrie Beam Guardrail, - Thrie Beam Connector

Thrie Beam GR pay item and quantities have been added in the Add. 6 special provisions and proposal.

13. There is no pay item for Thrie Beam GR with posts on the summary and/or the proposal.

Thrie Beam GR pay item and quantities have been added in the Add. 6 special provisions and proposal.

14. Although the RFI deadline has passed for the subject project, Item No. 603.0200 caught our attention. Normally, "F.A." would be noted under the Unit Price but for this item no., it's left blank with a $ value. Please advise what's to be noted on there.

Pay item is updated in the Add. 6 proposal.