STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

for

COMMERCIAL DRIVER'S LICENSE TESTING FACILITY
EXAMINATION SITE AND OFFICE RENOVATION
BENEATH INTERSTATE ROUTE H-1 PEARL CITY VIADUCT
PROJECT NO. HWY-O-08-14

The following amendments shall be made to the Bid Documents:

A. SPECIFICATIONS

1. Replace Section 411 Page 411-1a dated 3/30/06 with the attached Section Page 411-1a dated r06/03/16.

2. Replace Section 603 Page 603-1a dated 04/29/16 with the attached Section 603 Page 603-1a dated r06/03/16.

3. Replace Section 621 Pages 621-1a through 621-6a dated 3/31/16 with the attached Section 621 Pages 621-1a through 621-6a dated r06/03/16.

4. Replace Section 652 Pages 652-1a through 652-4a dated 03/31/16 with the attached Section 652 Pages 652-1a through 652-4a dated r06/03/16.

5. Replace Section 661 Pages 661-1a through 661-6a dated 04/11/16 with the attached Section 661 Pages 661-1a through 661-6a dated r06/03/16.

6. Replace Section 688 Pages 688-1a through 688-4a dated 5/5/16 with the attached Section 688 Pages 688-1a through 688-4a dated r06/03/16.

B. PROPOSAL

1. Replace Pages P-11 through P-19 dated 5/11/16 with the attached Pages P-11 through P-19 dated r6/6/16.

C. PLANS

1. Replace Plan Sheet Nos. 1, 5, 9 to 12, 28, 29, 37 to 39, 46, 53 to 55, 57, 59, 61, 62, 65, 69, 70, and 72 with the attached Plan Sheet Nos. ADD. 1, ADD. 5, ADD. 9 to ADD. 12, ADD. 28, ADD. 29, ADD. 37 to ADD. 39, ADD. 46, ADD. 53 to ADD. 55, ADD. 57, ADD. 59, ADD. 61, ADD. 62, ADD. 65, ADD. 69, ADD. 70, and ADD. 72.

2. The attached Addendum Plan Sheet Nos. ADD. 32S-1, ADD. 37S-1, ADD. 38S-1, ADD. 38S-2, and ADD. 52S-1 shall be incorporated and made a part of the plans.

A pre-bid meeting was scheduled on May 27, 2016, but no bidders attended.

Please acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided on page P-4 of the Proposal.

FORD N. FUCHIGAMI
Director of Transportation

Amend **Section 411 - Portland Cement Concrete Pavement** to read as follows:

SECTION 411 - PORTLAND CEMENT CONCRETE PAVEMENT

Make the following amendments to said Section:

(I) Amend **Subsection 411(I)(1) – General** by revising the first paragraph from line 205 to 210 to read:

> "**(1) General.** Make advance arrangements for preventing delay in concrete delivery and placement. An interval of more than 30 minutes between placement of two consecutive batches or loads shall constitute cause for stopping paving operations and requiring construction joint to be placed, at no increase in contract price or contract time, at location and of the type ordered by the Engineer."

(II) Amend **Subsection 411.04 – Measurement** from lines 955 to 961 to read as follows:

"**411.04 Measurement.** Concrete pavement including longitudinal and transverse contraction joints will be paid on a lump sum basis. Measurement for payment will not apply."

(III) Amend **Subsection 411.05 – Payment** from lines 963 to 975 to read as follows:

"**411.05 Payment.** The Engineer will pay for the accepted concrete pavement on a contract lump sum basis. The Engineer will not pay for longitudinal and transverse contraction joints separately and will consider the cost for longitudinal and transverse contraction joints as included in the contract price for concrete pavement. Payment will be full compensation for the work prescribed in this section and the contract documents.

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

Pay Item	**Pay Unit**
Concrete Pavement	Lump Sum"

END OF SECTION 411

SECTION 603 – CULVERTS AND STORM DRAINS

Make the following amendment to said Section:

(I) Amend Subsection **603.03 (C)(1) Culverts**, by revising lines 106 to 108 to read as follows:

"Spacing between multi-barrel culverts shall be a minimum of 18 inches or 0.5 the culvert width, whichever is greater. The minimum spacing shall be 1 foot when placing controlled low strength material (CLSM) as backfill. Anchor the culverts in such a manner that the horizontal and vertical alignment of the culverts does not change."

(II) Amend Subsection **603.04 Measurement**, by adding after line 293:

"**(D)** Repair Downspout and 3 Downspout Connection will be paid per each in accordance with contract documents"

(III) Amend Subsection **603.05 Payment**, by adding after line 350:

"Repair Downspout	Each
3 Downspout Connection	Each"

END OF SECTION 603

Make the following Section a part of the Standard Specifications:

"SECTION 621 – WOOD TREATMENT

621.01 Description. This section describes the wood treatment.

(A) Provide plant preservative and insecticide treatment of lumber, plywood and other wood products specified in other Sections of this Specification by pressure and dip methods.

(B) Field treatment of field cut or drilled lumber.

(C) Related Work Specified Elsewhere:

(1) Section 636 – FINISH CARPENTRY: Lumber products treatments.

(2) Section 666 – WOOD DOORS: Doors for treatment.

621.02 Materials. None

621.03 Construction Requirements.

(A) Submittals

(1) Product Data.
Provide data on all treatment products, including field application instructions if applicable. Provide manufacturer's Material Safety Data Sheets on all products, and hazardous materials.

(2) Preserver Certifications.
Provide a Certificate of Treatment showing compliance with these specifications for the following:

(a) Kiln drying

(b) Method of treatment performed, including dip treatment.

(3) Contractor's Certification. Provide a certification letter stating that all wood used on this job including cuts and penetration were treated and coated with preservatives in compliance with requirements of this contract.

(4) Guaranty. Submit guaranty as noted under item entitled "GUARANTY" here in below.

(B) Guaranty.

(1) Provide a two (2) year written guaranty to replace all treated wood which is attacked by subterranean termites up to a total cost of $20,000.00 over the guaranty period from the project acceptance date as verified by General Conditions Force Account Method cost accounting.

(2) Provide a five year guaranty to replace all treated wood which is attacked by dry wood termites or deteriorates due to dry rot. The Surety shall not be held liable beyond two years of the project acceptance date.

(C) Regulatory Requirements.

Comply with State OSHL (Occupancy Safety and Health Law) and pollution controls regulations of the State Department of Health and EPA.

(D) Delivery, Storage and Handling.

Protect AWPA C31 inorganic boron treated wood from contact with the ground, rain or other sources of liquid water until permanent installation of covering construction.

(E) General.

(1) Mill lumber to finish size and shape prior to treating, and treat before assembly. Plywood may be treated in regular panel sizes.

(2) Mark each treated item with the treatment quality mark of an inspection agency approved by the American Lumber Standards Committee Board of Review. For exposed lumber indicated to receive a stained or natural finish, mark end or back of each piece, or omit marking and provide certificates of treatment compliance issued by inspection agency.

(F) Pressure Treatment with Water-Borne Preservatives

(1) Treating solutions. Inorganic boron (SBX).

(2) Treatment Methods.

(a) General.

(i) All water-borne treatment methods require incising of lumber of nominal 2 inch thickness (1-1/2 inches actual dimension).

(ii) Choice of treatment method and conditions of use of each treating solution shall conform to the treatment schedule contained in Part 3.

(b) SBX.
Treatment method shall conform to AWPA C31. Treating solution retention shall be a minimum of 0.28 pounds per cubic foot (equivalent to 0.42 DOT).

(3) Drying.

(a) Before SBX Treatment.
Wood having a moisture content higher than 28% is acceptable when treating with SBX.

(b) After Treatment.
All 1 inch and 2 inch lumber and all plywood shall be dried to a moisture content of 19 percent or less after treatment.

(G) Pressure Treatment with Oil-Borne Preservatives.

(1) Treating Solution.

(a) 0.50 percent by weight chlorpyrifos, 0.75 percent by weight 3-iodo-2-propynyl butyl carbamate (IPBC). The solvent used in formulating the preservative solution shall meet the requirements of AWPA hydrocarbon solvent Type C, Standard P9, Paragraph 3.1.

(b) For interior application use low odor mineral spirits as solvent.

(2) Treatment Methods.
Treated wood shall attain the following net retention requirements: 0.0175 pounds of Chlorpyrifos per cubic foot of wood, 0.035 pound of 3-Iodo-2 propynyl butyl carbamate per cubic foot of wood.

(3) Drying.

(a) Before Treatment. All wood treated with oil-borne preservatives shall be kiln-dried to an average moisture content of 12% to 15% per AWPA standards.

(b) After Treatment. Wood shall be thoroughly dried and virtually odor-free prior to installation.

(i) Stack lumber and plywood in a well ventilated area so that air circulates around each piece.

(ii) Wood must be thoroughly dried before staining, painting, or plastic laminate application.

(H) Preservation by Dip Treatment.

(1) Treating Solution.

(a) Oil-Borne Preservatives as described in Paragraph 2.03 A. 1. here in above.

(2) A solution of 1 quart chlopyrifos in 55 gallons of a 0.50 percent IPBC solution.

(2) Treatment Methods.

(a) Immersion treat for a minimum period of 15 minutes.

(b) Do not incise lumber scheduled to be left unpainted or receive a clear finish.

(3) Drying After Treatment.
Wood shall be thoroughly dried and virtually odor-free prior to installation.

(a) Stack lumber and plywood in a well ventilated area so that air circulates around each piece.

(b) Wood must be thoroughly dried before staining, painting, or plastic laminate application.

(I) Field Treatment.

(1) Treatment Method.

(a) Treat in accordance with AWPA Standard M4-98 using two heavy brush coats of a treating solution.

(b) Doors shall be treated after manufacture.

(J) Schedule of Treatments.

(1) Species.

(a) Treat all wood species except all-heart redwood.

(b) All water-borne and oil-borne treatment solutions are applicable to douglas-fir and hem-fir species.

(2) Application.

(a) Pressure Treatment.

(i) General.
Unless otherwise stipulated, all lumber and plywood shall be pressure treated.

(ii) Exposed lumber that will be unpainted or receive a clear finish shall be and pressure treated with oil-borne preservative. Do not incise lumber.

(iii) SBX treated wood shall not be used in areas exposed to direct precipitation (e.g. exposed decking, trellises, fencing, etc.) unless painted or covered with a finish material.

(b) Pressure or Dip Treatment.
All finish lumber shall be either pressure or dip treated, at the Contractor's option, with old borne preservative.

(c) Field Cuts.
Treat end cuts, notches and penetrations into treated lumber or plywood. Exception: Cuts and penetrations made in SBX treated wood 2-inches or less in nominal thickness need not be field treated.

621.04 Method of Measurement. The Engineer will not measure wood treatment work for payment.

621.05 Basis of Payment. The Engineer will not pay for the wood treatment separately. The Engineer will consider the price for the wood treatment included in the contract price for Section 652 – ROUGH CARPENTRY and Section 636 – FINISH CARPENTRY.

The price includes full compensation for electrical work and furnishing labor, tools, materials, equipment and incidentals necessary to complete the work."

END OF SECTION 621

Make the following Section a part of the Standard Specifications:

"SECTION 652 – ROUGH CARPENTRY

652.01 Description. This section describes the Rough Carpentry.

(A) Provide all rough carpentry, complete, including but not limited to wall studs, eave framing, roof rafters, rough bucks, blocking, furring strips, and rough hardware.

(B) All wood specified in this section shall be wood treated.

(C) Related Work Specified Elsewhere:

(1) Section 621 – WOOD TREATMENT. Lumber products treatments.

(2) Section 688 – TOILET ACCESSORIES. Miscellaneous wood blocking.

652.02 Materials

(A) Lumber, General. Factory-mark each piece of lumber with type, grade, mill and grading agency, except omit marking from surfaces to be exposed with transparent finish or without finish.

Nominal sizes are indicated, except as shown by detail dimensions. Provide actual sizes as required by PS 20, for moisture content specified for each use.

(1) Provide dressed lumber, S4S, unless otherwise indicated.

(2) Provide seasoned lumber with 15% maximum moisture content at time of dressing.

(B) Framing Lumber.

(1) Light Framing Lumber. 2-inches through 4 inches thick, less than 6-inches wide, such as studs, plates, blocking, rough bucks, furring, etc., provide Construction grade, Douglas Fir / Larch.

(C) Miscellaneous Materials.

(1) Fasteners and Anchorages. Provide size, type, material and finish as indicated and as recommended by applicable standards, complying with applicable Federal

Specifications and ANSI for nails, staples, screws, bolts, nuts, washers and anchoring devices. Provide metal hangers and framing anchors of the size and type recommended by the manufacturer for each use including recommended nails. Provide all fasteners and anchorages with a hot-dip zinc coating (ASTM A 153).

(2) Moisture Barrier. ASTM D 226, Type II (No. 30) asbestos-free, asphalt roofing felt.

(D) Other Materials.

(1) All other materials not specifically listed herein or shown on the drawings, but required for the successful installation and completion of the work are included and are subjected to approval of the Project Coordinator.

652.03 Construction Requirements.

(A) Submittals.

(1) Certificates. Submit certificate of treatment showing compliance with the specifications, and a certificate of dryness for all wood specified to be dried after treatment.

(B) Quality Assurance.

(1) Grading Marks. Factory mark each piece of lumber with type, grade, mill, and grading agency identification. Certificate of inspection and grading by a recognized agency may be submitted with each shipment in lieu of factory marking, at Contractor's option.

(2) Wood Preservative Treatment. In accordance with Section 621 Wood Treatment.

(C) Job Conditions.

Coordination. Fit carpentry work to other work; scribe and cope as required for accurate fit. Correlate location of furring, rough bucks, blocking and similar supports to allow proper attachment of other work.

(D) Product Handling.

Delivery and Storage: Keep materials dry at all times. Protect against exposure to weather and contact with damp or wet surfaces. Stack lumber and provide air circulation within stacks.

(E) Execution.

(1) General. Discard units of material with defects which might impair quality of work, and units which are too small to use in fabricating work with minimum joints or optimum joint arrangement.

(a) Set carpentry work accurately to required levels and lines, with members plumb and true and accurately cut and fitted.

(b) Securely attach carpentry work to substrate by anchoring and fastening as shown and as required by recognized standards. Countersink nail heads on exposed carpentry work and fill holes.For interior application use low odor mineral spirits as solvent.

(c) Use common wire nails, except as otherwise indicated. Use finishing nails for finish work. Select fasteners of size that will not penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting of wood; predrill as required.

(2) Wood Blocking, Rough Bucks, and Furring Strips. Provide wherever shown and where required for attachment of other work. Form to shapes as shown and cuts as required for true line and level of work to be attached. Coordinate location with other work involved. Attach to substrates as required to support applied loading. Countersink bolts and nuts flush with surfaces, unless otherwise shown.

(3) Retreat cut and penetrated lumber in accordance with **SECTION 621 – WOOD TREATMENT**.

652.04 Method of Measurement. Rough Carpentry will be paid on a lump sum basis. Measurement for payment will not apply.

652.05 Basis of Payment. The Engineer will pay for the Rough Carpentry listed below at the contract lump sum price, as shown in the proposal schedule.

Payment will be full compensation for the work prescribed in this section and the contract documents.

The price includes full compensation for rough carpentry and furnishing labor, tools, materials, equipment and incidentals necessary to complete the work.

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

Pay Item	Pay Unit
Rough Carpentry	Lump Sum"

END OF SECTION 652

Make the following Section a part of the Standard Specifications:

"SECTION 661 – SHEET METAL FLASHING AND TRIM

661.01 Description. This section describes the sheet metal flashing and trim work.

(A) Provide all labor, materials and equipment necessary to fabricate and install flashing, gutters and downspouts, and other related work as shown on drawings and as specified herein.

(B) Related Sections include the following:

(1) Coordinate installation of sheet metal work with Section **657 – FLUID APPLIED ROOFING SYSTEM**.

(2) Sealants are specified under **Section 663 - SEALANTS.**

661.02 Materials.

(A) Flashing Associated with Metal Roofing. Provide materials which are compatible with the existing metal panel roofing.

(B) Nails and Fasteners. Use stainless steel fasteners to fasten all metals.

(C) Stainless Steel Wire Cloth Strainers. Maximum 1/2-inch mesh 0.063-inch diameter wire for downspout connector head covers at gutters, formed as shown, tight friction fit and removable.

(D) Gutters, Leader, Flashing, etc. ASTM A167, 20 gauge min., Type 304, stainless steel 2B Finish, fully annealed, dead-soft temper, configuration as shown.

(1) Gutter support strap. 2" x 1/8", configuration as shown.

(2) Fasteners. Type 316 stainless steel.

(E) Downspouts. ASTM D 1785 or ASTM D 2665, Schedule 80, PVC pipe with all fittings, elbows, primers, reducers, cement, etc. as required, size of downspouts to match existing. Provide plastic primer and joint solvent cement as recommended by the manufacturer.

(1) Downspout Attachment. Type 30, stainless steel bands, configuration as shown.

(2) Fasteners. Stainless steel, Type 31B, sheet metal screws, rivets, bolts, nuts and lock washers.

(F) Bituminous Paint. Cold-applied mastic complying with SSPC-Paint 12 but containing no asbestos fibers, or cold-applied asphalt emulsion complying with ASTM D 1187.

(G) Other Materials.

All other materials not specifically listed herein or shown on the drawings, but required for the successful installation and completion of the work are included and are subject to approval of the Contracting Officer.

661.02 Construction Requirements.

(A) Submittals.

(1) Manufacturer's Data. Submit manufacturer's product data on all manufactured items.

(2) Shop Drawings. Submit shop drawings with reference made to detail numbers on the contract drawings to the Project Coordinator for approval. Contract drawings are general in nature. Furnish additional details for all the similar and unusual conditions necessary to fabricate the flashing and sheet metal work. Shop drawings shall show all fasteners and relationship to adjacent work. No fabrication will be permitted before approval is secured. Tracing or reproducing drawing details is unacceptable.

(3) Warranty. Submit warranty as stipulated in item entitled "WARRANTY" here in below.

(B) Quality Assurance.

(1) All sheet metal fabrications shall conform to State and local codes, SMACNA (latest edition) and industry standards.

(2) All roof penetrations shall be installed weather tight in such a manner to maintain integrity of the roofing.

(3) Fastening and cleating shall withstand all positive and negative wind pressures for 105 mph Exposure C winds, Importance Factor of 1.0.

(4) Install flashing and sheet metal work to withstand wind loads, structural movements, thermally induced movement, and exposure to weather without failing, rattling, leaking and fastener disengagement.

(C) Delivery, Storage, and Handling.

(1) All materials shall be delivered and stored in such a manner as to afford adequate protection. Damaged materials shall not be used and shall be removed from the site.

(2) Handle manufactured materials as recommended by the manufacturer.

(D) Warranty.

(1) The warranty provisions and number of years for the warrantee by this article shall take precedence over the standard provisions in the GENERAL CONDITIONS.

(2) Project Warranty. Submit Contractor's warranty, signed jointly by Installer covering work of this section, including all components of flashing system such as panels, base flashing, roofing accessories, fasteners, curbs, collar flashing, and other products, for the following warranty period and conditions:

(a) Warranty Period. Two years from the **date of final** Acceptance.

(b) Warranty shall cover repairs or replacement of damages to the building and its finishes due to leaks.

(E) Pre-Installation.

(1) The General Contractor, the Sheet Metal Contractor, and Roofing Installer shall attend a pre-installation meeting. Include other related trades as applicable. Confirm the required participants with the Project Coordinator. Notify participants at least five days prior to meeting. Intent of the meeting is to review the preparation and installation

requirements for the roofing system and associated flashing and sheet metal and to coordinate and schedule the required work.

(F) Installation and Workmanship.

(1) Surface to which sheet metal is to be applied shall be even, smooth, sound, thoroughly clean and dry, and free from defects that might affect the application. Report any unsatisfactory surfaces to the Project Coordinator. In the absence of such a report, the Contractor shall be held responsible for the finished product.

(2) All accessories or other items essential for the completeness of the sheet metal installation, though not specifically indicated on the drawings or specified, shall be provided. All such items unless otherwise indicated on the drawings or specified, shall be of the same kind of materials as the item to be applied. Nails, screws, rivets, and bolts shall be of the type best suited for the purpose intended and shall be of a composition that is compatible with the metal to which it will contact.

(3) Except as otherwise indicated on the drawings or specified, the workmanship of sheet metal work, method of forming joints, anchoring, cleating, provisions for expansion, etc., shall conform to the standards details and recommendations of the Sheet Metal and Air Conditioning Contractors National Association's "Architectural Sheet Metal Manual", and shall be subject to the approval of the Project Coordinator. Exposed edges shall be folded back neatly to form a minimum 1/2-inch hem on the concealed side. Fabricate for waterproof and weather-resistant performance, with expansion provisions for running work, sufficient to permanently prevent leakage, damage, or deterioration of the work.

(4) Gutters. Provide cross sectional area not less than the size of gutter indicated and complete with mitered corners, end pieces, and special pieces that may be required. Form gutters in sections not less than 12-feet in length. Join ends of each length with 1-inch flat locked, riveted, and sealed joints. Expansion-type slip joints shall be provided at the center of the runs and at intervals of not more than 40-feet. Provide hangers of an approved type, spaced not to

exceed 36-inches on center. Form hangers and fastenings from a metal compatible with the gutters. Gutter to downspout transition shall be fabricated from same material as gutter.

(5) Downspout Leader. Provide cross sectional area not less than the size indicated and complete, including elbow and offsets. Provide downspouts in approximately 10-foot lengths; end joints shall telescope not less than 1/2-inch, and longitudinal joints shall be locked. Provide gutter outlets with stainless steel wire ball strainers of a standard type, tight friction fit. Position downspouts not less than 1/2-inch away from walls and fasten to the walls at top, bottom, and at not to exceed 5-foot centers intermediately between with manufacturer's standard type leader straps, or concealed type fasteners. Form straps and fasteners from stainless steel. Connect to drain pipes as indicated. Finish installation for a long life under hard use.

(6) Seams. Straight and uniform in width and height with no sealants showing on the face.

(a) Flat-lock Seams: Finish not less than 3/4-inch wide.

(b) Lap Seams: Finish soldered seams not less than one-inch wide. Overlap seams not soldered, not less than 3-inches.

(c) Loose-lock Expansion Seams: Not less than 3-inches wide, and shall provide minimum one-inch movement within the joint. Joint shall be completely filled with exterior sealant, applied at not less than 1/8-inch thick bed.

(d) Flat Seams: Make seams in the direction of the flow.

(7) All sheet metal work shall be watertight and wind-tight in compliance with the purpose intended for the items indicated on the drawings or specified herein. Sheet metal shall be held firmly in **place and shall not rattle. Finish installation to provide for a long life under hard use.**

(8) Cleating. Cleats for sheet metal work shall be provided where required, continuous, unless otherwise

indicated on the drawings. Cleats shall be of the same material and weight as the metal being installed. Hook cleating with 3/4-inch minimum hem on concealed side of flashing.

(9) Protection from Contact of Dissimilar Materials. Surfaces in contact with dissimilar metal shall be painted with heavy-bodied bituminous paint or shall be separated by means of moisture-proof building felts.

(G) Protection.

Protect all sheet metal work until final acceptance of the work.

(H) Clean Up.

(1) Clean all exposed sheet metal work at completion of installation. Grease and oil films, handling marks, contamination from steel wool, fittings and drilling debris shall be removed, and the work scrubbed clean. All exposed metal surfaces shall be free of dents, creases, waves, scratch marks, and solder or weld marks.

(2) At completion of the work, clean up and remove all rubbish and debris from the premises which resulted from this work.

661.04 Method of Measurement. The Engineer will not measure sheet metal flashing and trim for payment.

661.05 Basis of Payment. The Engineer will not pay for the sheet metal flashing and trim separately. The Engineer will consider the price for the sheet metal flashing and trim included in the contract price for Section 657 – FLUID APPLIED ROOFING SYSTEM.

The price includes full compensation for sheet metal flashing and trim and furnishing labor, tools, materials, equipment and incidentals necessary to complete the work."

END OF SECTION 661

Make the following Section a part of the Standard Specifications:

"SECTION 688 - TOILET ACCESSORIES

688.01 Description. This section describes the toilet accessories work.

(A) Provide all materials, labor, equipment and tools as necessary to complete each type of toilet accessory work as indicated on the drawings and as specified herein. The type of toilet accessories required include the following:

(1) Paper towel dispenser
(2) Toilet tissue dispenser
(3) Grab bar
(4) Soap dispenser
(5) Mirror
(6) Toilet seat cover dispenser
(7) Sanitary napkin disposal
(8) Robe hook

(B) Related Work Specified Elsewhere:

(1) Section 636 – FINISH CARPENTRY: Toilet accessories installations.

(2) Section 684 – TOILET COMPARTMENTS: Coordinate installations.

688.02 Materials.

(A) Stainless Steel. AISI, Type 302/304. Provide satin finish, unless otherwise specified.

(B) Fasteners. Screws, bolts and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.

(C) List of Toilet Accessories. (Refer to drawings for locations where indicated.)

(1) For convenience and to establish the standards of quality and design, the following list of toilet accessories are items manufactured by Bobrick Washroom Equipment Co. Other manufacturers may be approved if their quality and design are equal to the manufacture parts listed. Provide the minimum as noted unless otherwise indicated on the drawings.

(a) Paper Towel Dispenser (PTD): B-262, wall mounted, in each toilet room.

(b) Toilet Tissue Dispenser (TTD): B-4288, surface mounted, at each water closet.

(c) Grab Bar: B-6806 Series, both standard and custom fabricated, at each accessible shower and water closet.

(d) Soap Dispenser (SD): B-2111, wall mounted, at each lavatory.

(e) Mirror: B-290 Series, sizes as indicated on the drawings, at each lavatory.

(f) Toilet Seat Cover Dispenser (SCD): B-4221, surface mounted, at each water closet.

(g) Sanitary Napkin Disposal (SND): B-4354, partition mounted, at each Women's water closet and as indicated.

(h) Robe Hook: B-6707, at drying area as indicated on the drawings.

688.03 Construction.

(A) Submittals.

(1) Product Data. Submit manufacturer's current product data, specifications and installation instructions for each toilet accessory.

(2) Samples. Submit when requested, full-size samples of units for review of finishes. Acceptable samples will be returned and may be used in the work. Compliance with all other requirements is the exclusive responsibility of the Contractor.

(B) Quality Assurance.

(1) Inserts and Anchorages. Furnish inserts and anchoring devices for toilet accessories. Provide setting drawings, templates, instructions and directions for installation of

anchorage devices. Coordinate delivery with other work to avoid delay.

(2) Products.

(a) Provide products of the same manufacturer for each type of accessory unit and for units exposed in the same areas, wherever possible.

(b) Coordinate for acceptable designs and finishes.

(c) Stamped names of labels on exposed faces of units will not be permitted, except where otherwise specified.

(d) Provide locks where specified. One key shall fit all locks of one brand.

(3) Accessibility.

(a) Accessories where required to be accessible as per ADAAG 4.25.1 & 4.1.3(12) shall comply with 4.25.

(b) Controls and operating mechanisms required to be accessible by ADAAG 4.1 shall comply with 4.27.

(C) Manufacturers.

(1) Products of the following manufacturers or approved equal are acceptable provided they meet the materials, construction and the standard of quality specified.

(a) Bradley Corp., Washroom Accessories Division

(b) Bobrick Washroom Equipment Co.

(c) McKinney Co.

(D) Inspection. Installer must examine the areas and conditions under which toilet accessories are to be installed. Notify the Contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Installer.

(E) Installation.

(1) Use concealed fastenings wherever possible.

(2) Provide anchors, bolts and other necessary fasteners, and attach accessories securely to walls and partitions in locations as shown or directed.

(3) Install concealed mounting devices and fasteners fabricated of the same material as the accessories or of galvanized steel.

(4) Install exposed mounting devices and fasteners finished to match the accessories.

(5) Provide theft-resistant fasteners for all accessory mountings.

(6) Secure toilet room accessories to adjacent walls and partitions complying with the manufacturer's instructions for each item and each type of substrate construction.

688.04 Measurement. The Engineer will not measure toilet accessories for payment.

688.05 Payment. The Engineer will not pay for the toilet accessories separately. The Engineer will consider the price for the toilet accessories included in the contract price for Section 684 – TOILET COMPARTMENTS.

The price includes full compensation for toilet accessories and furnishing labor, tools, materials, equipment and incidentals necessary to complete the work."

END OF SECTION 688

PROPOSAL SCHEDULE – EXAMINATION SITE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.0000	Clearing and Grubbing	L.S.	L.S.	L.S.	$_____
203.1000	Roadway Excavation	4,665	C.Y.	$ _____	$_____
203.2000	Borrow Excavated Material	7	C.Y.	$ _____	$_____
206.1000	Excavation for Drainage Systems	L.S.	L.S.	L.S.	$_____
207.1000	Ditch and Channel Excavation	L.S.	L.S.	L.S.	$_____
209.1000	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	$_____
209.2000	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	$ 80,000.00
209.3000	Hazardous Materials Mitigation	F.A.	F.A.	F.A.	$ 110,000.00
301.1000	Hot Mix Asphalt Base Course	455	TONS	$ _____	$_____
304.1000	Aggregate Base	L.S.	L.S.	L.S.	$_____
306.1000	Untreated Permeable Base Course (#3 Coarse Aggregate)	L.S.	L.S.	L.S.	$_____
321.1000	Triaxial Geogrid	6,883	S.Y.	$ _____	$_____
401.1000	HMA Pavement, Mix No. V	250	TONS	$ _____	$_____
411.1000	Concrete Pavement	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE – EXAMINATION SITE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
412.1000	Paving Fabric (Nonwoven Geotextile Fabric)	7,015	S.Y.	$ _____	$_____
414.1000	Excavation of Weakened Pavement Areas	340	C.Y.	$ _____	$_____
603.1000	Repair Downspout	3	EACH	$ _____	$_____
603.2000	Bed Course Material for Culvert	L.S.	L.S.	L.S.	$_____
603.3000	12 Inch Reinforced Concrete Pipe, Class IV	L.S.	L.S.	L.S.	$_____
603.4000	18-Inch Reinforced Concrete Pipe, Class III, or 18-Inch High Density Polyethylene Pipe (Type S)	L.S.	L.S.	L.S.	$_____
603.5000	Clean Existing Culverts	F.A.	F.A.	F.A.	$ 185,000.00
603.5100	3 Downspout Connection	3	EACH	$ _____	$_____
604.1000	Type "0104" Grated Drop Inlet,1.00 feet to 1.99 feet	1	EACH	$ _____	$_____
604.2000	Type "C" Storm Drain Manhole, 3.00 feet to 3.99 feet	1	EACH	$ _____	$_____
604.3000	Type "1" Outlet Structure, 4.00 feet to 3.99 feet	1	EACH	$ _____	$_____
604.4000	Type "1" Grated Ditch Inlet, 1.00 feet to 1.99 feet	1	EACH	$ _____	$_____
604.5000	Adjusting Sewer Manhole Cast Iron Frame and Cover	1	EACH	$ _____	$_____
606.1000	New Concrete Barrier	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE – EXAMINATION SITE					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
607.1000	6-Feet Chain Link Fence	L.S.	L.S.	L.S.	$_____
607.2000	Chain Link Cantilever Sliding Gate, 6 Feet High and 75 Feet Wide	L.S.	L.S.	L.S.	$_____
612.1000	Grouted Rubble Paving	L.S.	L.S.	L.S.	$_____
617.1000	Soil Preparation	15,800	S.F.	$ _____	$_____
619.1000	Planting – Common Bermudagrass	14,830	S.F.	$ _____	$_____
619.2000	Planting – Mau'u Aki Aki Triangular spacing	970	EACH	$ _____	$_____
619.3000	Wood Chip Mulch (2" layer)	1,900	S.F.	$ _____	$_____
619.4000	Plastic Header	500	L.F.	$ _____	$_____
626.1000	Adjusting Water Manhole Frame and Cover	L.S.	L.S.	L.S.	$_____
626.2000	Adjusting Water Valve Box Frame and Cover	L.S.	L.S.	L.S.	$_____
627.1000	Stormwater Treatment System	1	EACH	$ _____	$_____
629.0100	Double 4-Inch Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.0300	12-Inch Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1200	4-Inch Pavement Striping (Paint)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE – EXAMINATION SITE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1300	12-Inch Pavement Striping (Paint)	L.S.	L.S.	L.S.	$_____
629.2030	Type "D" Pavement Markers	L.S.	L.S.	L.S.	$_____
631.5400	Directional Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5401	Directional Sign (More than 10 Square Feet) with Post(s)	L.S.	L.S.	L.S.	$_____
641.1000	Hydro-mulch Cap	14,830	S.F.	$ _____	$_____
643.1000	Maintenance of Existing Landscape Areas (along 2nd Street)	F.A.	F.A.	F.A.	$ 8,000.00
645.0100	Traffic Control	L.S.	L.S.	L.S.	$_____
645.0200	Additional Police Officers And/or Additional Control Device	F.A.	F.A.	F.A.	$ 6,400.00
648.1000	Field-Posted Drawings	L.S.	L.S.	L.S.	$_____
696.1000	Maintenance of Trailers	F.A.	F.A.	F.A.	$ 20,000.00
699.1000	Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding the Bid Price of this Item)	L.S.	L.S.	L.S.	$_____

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

NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.

PROPOSAL SCHEDULE – OFFICE RENOVATION					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.2000	Clearing and Grubbing	L.S.	L.S.	L.S.	$_____
202.1000	Removal of Existing Sign Structure	L.S.	L.S.	L.S.	$_____
202.2000	Removal of Existing Concrete Wheelstops	L.S.	L.S.	L.S.	$_____
209.4000	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	$_____
209.5000	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	$ 40,000.00
209.6000	Hazardous Materials Mitigation for Site Work	F.A.	F.A.	F.A.	$ 40,000.00
401.2000	HMA Pavement, Mix No. V	135	TONS	$ _____	$_____
415.1000	Cold Planing	L.S.	L.S.	L.S.	$_____
501.1000	Structural Steel	L.S.	L.S.	L.S.	$_____
603.6000	Clean Existing Culverts	F.A.	F.A.	F.A.	$ 15,000.00
603.7000	Repair Downspout	1	EACH	$ _____	$_____
604.6000	Type "1" Trench Drain Inlet, 0.01 feet to 0.99 feet	1	EACH	$ _____	$_____
607.3000	6-Feet Chain Link Fence With Toprail	L.S.	L.S.	L.S.	$_____
609.1000	Removal and Disposal of Asbestos Mitigation	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE – OFFICE RENOVATION					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
615.1000	Selective Demolition	L.S.	L.S.	L.S.	$_____
617.1000	Soil Preparation	150	S.F.	$ _____	$_____
619.5000	Planting – Dwarf Pink Ixora	74	EACH	$ _____	$_____
619.6000	Wood Chip Mulch (2" layer)	720	S.F.	$ _____	$_____
629.0200	4-Inch Pavement Striping (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1040	Pavement Arrows (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1060	Pavement Symbol (Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
631.5001	Regulatory Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5002	Regulatory Sign (10 Square Feet or Less) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5402	Directional Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5403	Directional Sign (More than 10 Square Feet) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5404	Removable Pipe Guard	L.S.	L.S.	L.S.	$_____
636.1000	Finish Carpentry	L.S.	L.S.	L.S.	$_____
639.1000	Curb, Type 6	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE – OFFICE RENOVATION					
ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
643.2000	Maintenance of Existing Landscape Areas (along 2nd Street)	F.A.	F.A.	F.A.	$ 2,000.00
645.2000	Traffic Control	L.S.	L.S.	L.S.	$_____
645.3000	Additional Police Officers And/or Additional Control Device	F.A.	F.A.	F.A.	$ 50,000.00
648.2000	Field-Posted Drawings	L.S.	L.S.	L.S.	$_____
651.1200	Electrical Work	L.S.	L.S.	L.S.	$_____
652.1000	Rough Carpentry	L.S.	L.S.	L.S.	$_____
655.1000	No. 2 Coarse Aggregate	L.S.	L.S.	L.S.	$_____
657.1000	Fluid-Applied Roofing System	L.S.	L.S.	L.S.	$_____
658.1000	Solid Polymer Fabrications	L.S.	L.S.	L.S.	$_____
664.1000	Steel Doors and Frames	L.S.	L.S.	L.S.	$_____
666.1000	Wood Doors	L.S.	L.S.	L.S.	$_____
669.1000	Aluminum Entrances and Storefronts				
670.1000	Aluminum Windows	L.S.	L.S.	L.S.	$_____
672.1000	Finish Hardware	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE – OFFICE RENOVATION

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
676.1000	Gypsum Board	L.S.	L.S.	L.S.	$_____
677.1000	Ceramic Tile	L.S.	L.S.	L.S.	$_____
678.1000	Acoustical Panel Ceilings	L.S.	L.S.	L.S.	$_____
679.1000	Resilient Tile Flooring	L.S.	L.S.	L.S.	$_____
681.1000	Painting (Interior)	L.S.	L.S.	L.S.	$_____
684.1000	Toilet Compartments and Accessories	L.S.	L.S.	L.S.	$_____
695.1000	Plumbing	L.S.	L.S.	L.S.	$_____
697.1000	Air Conditioning and Ventilation	L.S.	L.S.	L.S.	$_____
699.2000	Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding the Bid Price of This Item)	L.S.	L.S.	L.S.	$_____

b. Sum of All Office Renovation Items ..... $ _____

NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.

Total (Sum of All Examination Site and Office Renovation Items) to be used for comparison (a+b)..... $ _____

NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.

If the project still exceeds the funds available, the State reserves the right to negotiate with the lowest responsible bidder as permitted under Section 103D-302, Hawaii Revised Statues, to further reduce the scope of work and award a contract thereafter.

Should additional funds become available at any time after the establishment of the lowest responsible bidder, then work and associated costs which previously had been deleted from the contract scope to bring the project with the then available funding, may be fully restored to the contract scope and the TOTAL AMOUNT FOR THE COMPARISON OF BIDS as the additional funding may accommodate. Cost escalation for any bid item will not be allowed to be added to the TOTAL AMOUNT FOR THE COMPARISON OF BIDS when restoring contract scope as stated above.

Due to the project's funds lapsing by June 30, 2016, time extension requests will not be granted.