STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 2
for
MOKAPU SADDLE ROAD REHABILITATION
NANAMOANA STREET TO ONEAWA STREET
PROJECT NO. STP-065-1(011)

The following amendments shall be made to the Bid Documents:

A. NOTICE TO BIDDERS

1. Replace Notice to Bidders pages NB-1 to NB-4 dated 3/24/17 with the attached pages NB-1 to NB-4 dated r5/25/17. The scope of work has been updated to include "installation of milled rumble strips".

B. SPECIFICATIONS

1. Replace Special Provisions Section 105 pages 105-1a to 105-3a dated 1/23/06 with attached pages 105-1a to 105-3a dated r5/25/17.

2. Replace Special Provisions Section 301 pages 301-1a to 301-2a dated 12/14/16 with attached pages 301-1a to 301-2a dated r5/25/17.

3. Replace Special Provisions Section 416 pages 416-1a to 416-3a dated 8/11/16 with attached pages 416-1a to 416-3a dated r5/25/17.

4. Replace Special Provisions Section 623 pages 623-1a to 623-2a with attached pages 623-1a to 623-2a dated r5/25/17.

C. PROPOSAL

1. Replace Proposal Schedule pages P-8 to P-16 dated 12/20/16 with the attached pages P-8 to P-16 dated r5/25/17.

D. PLANS

1. Replace Plan Sheet Nos. 2, 3, 9, 10, 11, 12, 13, 14, 15, 22, 31, 39, 40, 41, 43, 44, 45, 46, 47, 49, 50, 52, 55, 56, 67, 68, 69, and 70 with the attached Plan Sheet Nos. ADD. 2, ADD. 3, ADD. 9, ADD. 10, ADD. 11, ADD. 12, ADD. 13, ADD. 14, ADD. 15, ADD. 22, ADD. 31,

ADD. 39, ADD. 40, ADD. 41, ADD. 43, ADD. 44, ADD. 45, ADD. 46, ADD. 47, ADD. 49, ADD. 50, ADD. 52, ADD. 55, ADD. 56, ADD. 67, ADD. 68, ADD. 69, and ADD. 70.

The attached Pre-bid Meeting minutes and sign-up sheet are attached for information.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided on page P-4 of the Proposal.

FORD N. FUCHIGAMI
Director of Transportation

NOTICE TO BIDDERS

(Chapter 103D, HRS)

SEALED BIDS for:

MOKAPU SADDLE ROAD REHABILITATION
NANAMOANA STREET TO ONEAWA STREET
Federal-Aid No. STP-065-1(011)
District of Koolaupoko
Island of Oahu

will be received at the:

__X__ Contracts Office, Department of Transportation
869 Punchbowl Street, Honolulu, Hawaii 96813

until 2:00 P.M., Hawaii Standard Time (HST), June 15, 2017, at which time and place they will be publicly opened and read.

A compact disc containing the plans, specifications, proposal, contract forms, archaeological monitoring plan, and National Pollutant Discharge Elimination System (NPDES) may be obtained from the above offices. Bids (hard copies) shall be submitted in a sealed envelope, and shall be on the Proposal Form provided on the compact disc furnished by said Department. Bids received after the established due date and time will not be considered.

The project includes cold planing, resurfacing of existing pavement; reconstruction of weakened pavement areas; pavement marking and striping; constructing new curb and gutter, sidewalk, and curb ramps; guardrail improvements; installation of traffic counting stations; drainage improvements; adjusting utilities; fencing; clearing and grubbing; and installation of milled rumble strips.

Estimated construction cost is $11,000,000.

To be eligible for award, bidders must possess a valid State of Hawaii General Engineering Contractor's "A" license prior to the award of the contract.

A pre-bid conference is set for 1:00 p.m. pm May 15, 2017 at the Department of Transportation, Highways Division, 601 Kamokila Boulevard, Room 609, Kapolei, Hawaii, 96707. All prospective bidders or their representatives (employees) are encouraged to attend, but attendance is not mandatory. Anything said at the conference is for clarification purposes and any changes to the bid documents will be made by addendum.

Persons needing special accommodations at the pre-bid conference due to a disability may contact, Ross Hironaka, Project Manager, by phone at (808) 692-7575 by email Ross.Hironaka@hawaii.gov or by facsimile at (808) 692-7590.

Campaign contributions by State and County Contractors. Contractors are hereby notified of the applicability of Section 11-355, HRS, which states that campaign contributions are prohibited from specified State or county government contractors during the term of the contract if the contractors are paid with funds appropriated by the legislative body. For more information, contact the Campaign Spending Commission at (808) 586-0285.

The U.S. Department of Transportation Regulation entitled "Nondiscrimination in Federally-Assisted Programs of the U.S. Department of Transportation," Title 49, Code of Federal Regulations (CFR), Part 21 is applicable to this project. Bidders are hereby notified that the Department of Transportation will affirmatively ensure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without

discrimination on the grounds of race, color, national origin or sex (as directed by 23 CFR Part 200).

The Equal Employment Opportunity Regulations of the Secretary of Labor implementing Executive Order 11246, as amended shall be complied with on this project.

The U.S. Department of Transportation Regulations entitled "Participation by Disadvantaged Business Enterprise in Department of Transportation Programs", Title 49, Code of Federal Regulations, Part 26 is applicable to this project. Bidders are hereby notified that the Department of Transportation will strictly enforce full compliance with all of the requirements of the Disadvantaged Business Enterprise (DBE) program with respect to this project.

Bidders are directed to read and be familiar with the Disadvantaged Business Enterprise (DBE) Requirements for Federal-Aid Projects regarding Disadvantaged Business Enterprise (DBE), which establishes the program requirements pursuant to Title 49 Code of Federal Regulations Part 26 and, particularly, the requirements of certification, method of award, and evidence of good faith.

For additional information on this project, contact Ross Hironaka at (808) 692-7575 or Bryan Lum at (808) 692-8430, by email at Ross.Hironaka@hawaii.gov or Bryan.R.Lum@hawaii.gov, or by mail at State of Hawaii, Department of Transportation, Highways Division, 601 Kamokila Boulevard, Room 609, Kapolei, Hawaii 96707.

The State reserves the right to reject any or all proposals and to waive any defects in said proposals for the best interest of the public.

FORD N. FUCHIGAMI
Director of Transportation

Internet Posting: May 5, 2017

SECTION 105 – CONTROL OF WORK

Make the following amendments to said Section:

(I) Amend **105.01 – Authority** to read as follows:

"**105.01 Authority.**

(A) Authority of the Engineer. The Engineer is the representative of the Director and has all the authority of the Director with respect to the contract. The Engineer will make decisions on all questions that may arise regarding the contract, such as, but not limited to:

(1) Interpretation of the contract documents.

(2) Acceptability of the materials furnished and work performed.

(3) Manner of performance and rate of progress of the work.

(4) Acceptable fulfillment of the contract on the part of the Contractor.

(5) Compensation under the contract.

The Engineer's decisions on questions, claims, and disputes will be final and conclusive subject to Subsection 107.15 – Disputes and Claims.

The Engineer may delegate specific authority to act for the Engineer to a specific person or persons. Such delegation of authority shall be established in writing and shall become effective upon delivery to the Contractor.

(B) Authority of the Inspectors. Inspectors, as a representative of the Engineer or other agencies, will inspect the work done and materials furnished. Such inspection may extend to the preparation, fabrication or manufacture of the materials to be used. The Inspector does not have authority vested in the Engineer unless specifically delegated in writing. The Inspector may not alter or waive the provisions of the contract, issue instructions contrary to the contract, or act as agent or representative of the Contractor.

Failure of an Inspector at any time to reject non-conforming work shall not be considered a waiver of the State's right to require work in strict conformity with the contract documents as a condition of final acceptance.

(C) Authority of the Consultant and Construction Management. The State may engage consultants and construction managements to perform duties in connection with the work. Unless otherwise specified in writing to the Contractor, such retained consultants and construction managements shall have no greater authority than an Inspector."

(II) Amend **Subsection 105.02 - Submittals** by revising the first paragraph from lines 52 to 61 to read as follows:

"**105.02 Submittals.** The contract contains the description of various items that the Contractor must submit to the Engineer for review and acceptance. The Contractor shall review all submittals for correctness, conformance with the requirements of the contract documents and completeness before submitting them to the Engineer. The submittal shall indicate the contract items and specifications subsections for which the submittal is provided. The submittal shall be legible and clearly indicate what portion of the submittal is being submitted for review. The Contractor shall provide six copies of the required submissions at the earliest possible date."

(III) Amend **Subsection 105.08 (A) - Furnishing Drawings and Special Provisions** to read as follows:

"**(A) Furnishing Drawings and Special Provisions.** The State will furnish the Contractor 12 sets of the project plans and special provisions. The project plans furnished will be the same size as that issued for bidding purposes except as noted in Section 648 – Field-Posted Drawings. The Contractor shall have and maintain at least one set of plans and specifications on the work site, at all times."

(IV) Amend **Subsection 105.14(D) – No Designated Storage Area** from lines 421 to 432 to read as follows:

"**(D) No Designated Storage Area.** If no storage area is designated within the contract documents, materials and equipment may be stored anywhere within the State highway right-of-way, provided such storage and access to and from such site, within the sole discretion of the Engineer, does not create a public or traffic hazard or an impediment to the movement of traffic."

(V) Amend **105.16(A) – Subcontract Requirements** by adding the following paragraph after line 483:

The 'Specialty Items' of work for this project are as follows:

Section No.	**Description**

401	Contract Item No. 401.1000 under Section 401 – Hot Mix Asphalt Pavement
606	All Contract Items under Section 606 - Guardrail
623	All Contract Items under Section 623 - Traffic Signal System
629	All Contract Items under Section 629 - Pavement Markings
630	All Contract Items under Section 630 - Traffic Control Guide Signs
631	All Contract Items under Section 631 - Traffic Control Regulatory, Warning, and Miscellaneous Signs
645	Contract Item No. 645.1000 under Section 645 – Work Zone Traffic Control"

(VI) Amend **Subsection 105.16(B) – Substituting Subcontractors** by revising the second sentence from line 490 to line 493 to read:

"Contractors may enter into subcontracts only with subcontractors listed in the proposal or with non-listed joint contractors/subcontractors permitted under Subsection 102.06 – Preparation of Proposal."

END OF SECTION 105

SECTION 301 – HOT MIX ASPHALT BASE COURSE

Make the following amendments to said Sections:

(I) Amend **Section 301.03(B) Compaction** by revising the second paragraph from lines 84 to 87 to read as follows:

"Compact mixture immediately upon completion of spreading operations to density of not less than 92.0 percent of maximum theoretical specific gravity in accordance with AASHTO T 209, modified by deletion of Supplemental Procedure for Mixtures Containing Porous Aggregate."

(II) Amend **Section 301.03 Construction** by adding the following paragraphs after line 96:

"**(D) Coring.** To determine the CTB replacement areas, coring shall be performed before cold planing in the following areas:

(1) Sta. 48+00 to Sta. 63+00 on right lane of Kailua Bound (between H-3 off ramp and Kapaa Quarry Road)

(2) Sta. 34+00 to Sta. 63+00 on left lane of Kaneohe Bound (between H-3 left turn to on ramp and Kapaa Quarry Road)

The cores shall be cored through the AC and underlying CTB along the right and left wheelpaths. The cores shall be cored at a maximum spacing of 100 feet. The cores shall be a minimum of 5.5" in diameter. The coring depth shall be a minimum of 18" to reach the bottom of the underlying CTB. The Contractor shall submit the sample cores to the Engineer for review and determination of the CTB replacement areas.

Fill cored holes with AC Pavement Mix No. IV. This work shall be considered incidental to paving and will not be paid for separately.

If the exposed CTB is found to ravel or rock under construction equipment loads, these areas under the direction of the Engineer may also be determined to be CTB replacement areas."

(III) Amend **Section 301.04 Measurement** from lines 98 to 100 to read as follows:

"**301.04 Measurement.**

(A) The Engineer will measure HMAB course per ton in accordance with contract documents."

(IV) Amend **Section 301.05 Payment,** from lines 102 to 111 to read as follows:

"**301.05 Payment.** The Engineer will pay for the accepted pay items listed below at the 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 one of the following pay items when included in the proposal schedule:

Pay Item	Pay Unit
Coring	Each
Hot Mix Asphalt Base Course (Recon Areas)	Ton
Hot Mix Asphalt Base Course (CTB Replacement)	Ton

(1) 80% of the contract unit price upon completion of submitting a job-mix formula acceptable to the Engineer; preparing the surface, spreading, and finishing the mixture; and compacting the mixture by rolling;

(2) 20% of the contract unit price upon completion of cutting samples from the compacted pavement for testing; placing and compacting the sampled area with new material conforming to the surrounding area; protecting the pavement; and final analysis.

The Engineer may, in lieu of requiring removal and replacement, use the sliding scale factor to accept HMAB compacted below 92.0 percent. The Engineer will make payment for the material in that production day at a reduced price arrived at by multiplying the contract unit price by the pay factor shown in Table 301.05-1.

Table 301.05-1 – Sliding Scale Pay Factor

Percent Compaction	Percent Payment
92.0 or greater	100
90.0 – 91.9	80
<90.0	Removal

"

END OF SECTION 301

Make the following section a part of the Standard Specifications:

SECTION 416 - PAVING GRID

416.01 Description. This work includes furnishing and placing paving grid between pavement layers over existing asphalt pavements.

416.02 Material. The grid material shall meet the following:

The reinforcement mesh shall be a knitted glass fiber strand grid with the following characteristics based on the minimum average roll values (MARV):

- Tensile Strength (in accordance with ASTM D6637)
  1,120 lb/in x 560 lb/in component strand strengths

- Area Weight (in accordance with ASTM D5261)
  16 ounces per square yard

- Modified Elastomeric Polymer Coating

- Elongation at break less than 5 percent (in accordance with ASTM D6637)

- Melt Point above 425 degrees Fahrenheit (in accordance with ASTM D276)

- Pressure-sensitive self-adhesive, with sufficient bond to allow normal construction traffic and paving machinery operations.

- Mesh opening of 1" by 1"

- 100% polymer coating (solid tack coat) to perform as a tack coat for the overlying AC layer and activated with AC at temperatures of over 280 degrees Fahrenheit

The material shall be stored in dry and covered conditions free from dust and stocked vertically to avoid misshaped rolls.

416.03 Construction Requirements.

(A) Weather Limitations. Application of paving grid will not be allowed under the following conditions:

(1) On wet surfaces, as determined by the Engineer.

(2) When surface temperature is below 40 degrees or above 140 degrees Fahrenheit.

(3) When weather conditions prevent proper method of construction.

(B) Surface Preparation. The 1.5-inch thick AC IV layer shall be placed and properly compacted prior to placement of the grid.

(C) Paving Grid Placement. Place grid onto the cleaned asphalt pavement, with the self-adhesive side down, and with minimal wrinkling or folding. The grid shall only be placed when the leveling course is below 125 degrees Fahrenheit, which is roughly ½ hour after the leveling course is compacted, as the heat can affect the grid adhesive. If the grid has a stronger strength direction, the grid shall be placed with its wider tendon being transverse to the travel direction.

The grid material shall be laid out either by hand or by mechanical means under sufficient tension to eliminate ripples, wrinkling, or folding. Should ripples, wrinkling, or folding occur, these must be removed by pulling the grid tight or in extreme cases (on tight radii) by cutting and laying flat.

The surface of the grid shall be rolled with a rubber-coated drum roller, or pneumatic-tired roller, with enough passes to activate the adhesive. The tires shall be cleaned regularly as needed with an asphalt cleaning agent.

Transverse joints must be lapped in the direction of the paver by 3 to 6 inches. Overlap longitudinal joints by 1 to 2 inches where roll widths of less than 5 feet are utilized. Do not lap joints with more than two layers of grid. Shingle transverse joints in the direction of paving such that the grid is not pushed up from the construction traffic.

Slow construction equipment and emergency traffic may run on the grid after being rolled, provided the equipment does not make turns or braking movements. However, the grid must be kept clean of mud, soil, dust, debris, and other deleterious materials. In addition, should the grid become damaged, it shall be removed and replaced with a new grid patch that shall be overlapped by the adjacent grid layers, at no additional cost to the State.

The grid shall not be directly exposed to vehicular traffic. Therefore, the travel lane shall not be opened to the general public without an AC overlay.

Tests for proper adhesion shall be performed by the Contractor in the presence of the Engineer, when requested by the Engineer, especially when road conditions are wet or when the road does not appear to be properly cleaned prior to the placement of the grid. The procedure for the adhesion test is as follows.

1. Cut a square yard of grid
2. Place it on the area to be paved.
3. Activate the self-adhesive glue by rolling with a rubber-tired roller or by walking on the sample.
4. Insert the hook of a fish weight scale on to the center of the grid.
5. Pull upwards until the grid starts to pull from the surface.

6. Record the force result.
7. The result shall be at least 20 pounds or more prior to paving.

(D) Paving Operation. To activate the polymer coating on the top side of the grid, hot mix asphalt within a minimum temperature of 285 degrees Fahrenheit should be utilized. This requirement supercedes the 401.03(E) minimum temperature of 250 degrees. Warm mix AC is not acceptable over the grid.

416.04 Method of Measurement. The Engineer will measure paving grid per square yard of grid finished surface, not including overlaps.

The Engineer will measure hot mix asphalt overlay under Section 401 – Hot Mix Asphalt (HMA) Pavement.

416.05 Basis of Payment. The Engineer will pay for the accepted paving grid at the contract unit price per square yard. 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**
Paving Grid, GlasGrid 8512TF or Equivalent	Square Yard"

The Engineer will pay for:

(1) 20% of the contract bid price upon completion of preparing the surface;

(2) 70% of the contract bid price upon completion of furnishing and placing of the paving grid;

(3) 10% of the contract bid price upon completion of cleaning up;

The Engineer will pay for the accepted hot mix asphalt overlay under Section 401 – Hot Mix Asphalt (HMA) Pavement.

END OF SECTION 416

SECTION 623 – TRAFFIC SIGNAL SYSTEM

Make the following amendments to said section:

(I) Amend **Subsection 623.03(C)(3) – Signal Heads** by adding the following after line 234:

"Remove existing traffic signal heads (including programmable-visibility signal heads) mounted on traffic signal mast-arm over the travel lanes on Mokapu Saddle Road (Route 65), from Nanamoana St. (M.P. 1.99) to Oneawa St. (M.P. 3.24), and install new traffic signal heads equipped with LED optical units and louvered back plates using new mast-arm mounting hardware.

Traffic signal heads mounted on H-3 overpass structure, and on signal poles in the roadway median and shoulders/sidewalks are excluded for this work.

The new LED optical units shall be installed with the same signal lens arrangements (e.g., circular balls or arrows) as the existing traffic signal heads."

(II) Amend **Subsection 623.04 – Measurement** by adding the following after line 580:

"The Engineer will measure the traffic signal assemblies with LED signal lights and traffic signal back plate.

The Engineer will measure the loop detector sensing unit and microwave vehicle detector."

(III) Amend **Subsection 623.05 – Payment** by adding the following after line 584:

"The Engineer will pay for the accepted traffic signal assemblies with LED signal lights, traffic signal assemblies with programmable visibility heads and mast-arm mounting hardware at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; assembling the signal heads; wiring; bonding and grounding; painting the signal head mounting; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted traffic signal back plates at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and

installing the back plates; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted microwave vehicle detector at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; assembling the microwave vehicle detector; wiring; bonding and grounding; testing; providing turn-on service; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the loop detector sensing unit at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and installing the loop detector sensing unit; submitting warranty; and furnishing equipments, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will consider cost for additional materials and labors not specifically shown or called for that are necessary to complete the work incidental to the various contract items in the proposal."

(IV) Amend **Subsection 623.05 – Payment** by adding the following after line 591:

"Traffic Signal Assembly (1-Way, 12-inch, 1-3 Section Vertical with Mast-Arm Mounting) with LED Signal Lights	Each
Traffic Signal Assembly, (1-Way, 12-Inch, 1-3 Section Vertical, Programmable Visibility Head with Mast-Arm Mounting)	Each
Traffic Signal Back Plate (Louvered, Black with Border)	Each
Approach-Only Microwave Vehicle Detector	Each
Loop Detector Sensing Unit (6 Ft. x 6 Ft.) _____ Loop(s)	Each"

END OF SECTION 623

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.1000	Clearing and Grubbing	L.S.	L.S.	L.S.	$
201.2000	Arborist Services	F.A.	F.A.	F.A.	$ 5,000.00
203.1000	Roadway Excavation	410	CY	$	$
206.1000	Excavation for Drainage System	L.S.	L.S.	L.S.	$
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	$
209.0500	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	$ 80,000.00
301.1000	Hot Mix Asphalt Base Course (Recon Areas)	280	TON	$	$
301.2000	Hot Mix Asphalt Base Course (CTB Replacement)	1,600	TON	$	$
301.3000	Coring	102	EACH	$	$
305.1000	Aggregate Subbase	L.S.	L.S.	L.S.	$
401.1000	HMA Pavement, Mix No.IV	12,400	TON	$	$
414.1000	Excavation of Weakened Pavement Areas	302	CY	$	$
415.1000	Cold Planing	45,000	S.Y.	$	$

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
416.1000	Paving Grid, GlasGrid 8512TF or Equivalent	28,857	S.Y.	$_____	$_____
603.1000	Bed Course Material for Culvert	L.S.	L.S.	L.S.	$_____
603.2000	24-Inch Reinforced Concrete Pipe, Class III, or 24-Inch High Density Polyethylene Pipe, Type S	L.S.	L.S.	L.S.	$_____
603.4000	24-Inch Reinforced Concrete Pipe, Class IV	L.S.	L.S.	L.S.	$_____
603.9000	Clean Existing Culverts	F.A.	F.A.	F.A.	$ 30,000.00
604.1000	Type Special "1211216P" Grated Drop Inlet, 5.00 ft to 5.99 ft	1	EACH	$_____	$_____
604.2000	Type Special "2012016P" Grated Drop Inlet, 8.00 ft to 8.99 ft	1	EACH	$_____	$_____
606.0100	Guardrail Type, Strong Post W-beam	L.S.	L.S.	L.S.	$_____
606.0200	Guardrail Type, Strong Post Rubrail W-beam (Double Nested Upper W-beam)	L.S.	L.S.	L.S.	$_____
606.0300	Guardrail Type, Strong Post Median Guardrail with Rubrail	L.S.	L.S.	L.S.	$_____
606.0400	Guardrail Type, Strong Post W-beam Median Guardrail	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
606.0500	Terminal Section, Modified Type "G"	L.S.	L.S.	L.S.	$_____
606.0600	Terminal Section, Modified Type "A" Flare	L.S.	L.S.	L.S.	$_____
606.0700	Terminal Section, Modified Type "A-1" Flare	L.S.	L.S.	L.S.	$_____
606.0800	Terminal Section, Type "FLEAT-350 or Equivalent"	L.S.	L.S.	L.S.	$_____
606.0900	Transition Section, Type "RWT01B or Equivalent"	L.S.	L.S.	L.S.	$_____
607.1000	4-Feet, Chain Link Fence	L.S.	L.S.	L.S.	$_____
607.2000	Chain Link Gate, 4 Feet High and 4 Feet Wide	L.S.	L.S.	L.S.	$_____
615.0300	6-Inch Milled Rumble Strip, Shoulder	L.S.	L.S.	L.S.	$_____
621.1000	EVC Traffic Counting System H-3 Ramp K-1 BL Sta. 8+00	L.S.	L.S.	L.S.	$_____
621.2000	EVC Traffic Counting System Mokapu Saddle Rd MP 2.53	L.S.	L.S.	L.S.	$_____
623.3060	Traffic Signal Assembly (1-Way, 12-Inch, 1-3 Section Lights Vertical with Mast Arm Mounting) with LED Signal Lights	10	EACH	$_____	$_____
623.3900	Approach-Only Microwave Vehicle Detector	7	EACH	$_____	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
623.4001	Traffic Signal Back Plate (Louvered, Black with Border)	10	EACH	$_____	$_____
623.7051	Loop Detector Sensing Unit (6x6) One Loop	7	EACH	$_____	$_____
623.7052	Loop Detector Sensing Unit (6x6) Two Loops	7	EACH	$_____	$_____
623.7054	Loop Detector Sensing Unit (6x6) Four Loops	3	EACH	$_____	$_____
623.7056	Loop Detector Sensing Unit (6x6) Six Loops	6	EACH	$_____	$_____
626.1000	Adjusting Sewer Manhole Frame and Cover	5	EACH	$_____	$_____
626.2000	Adjusting Water Manhole Frame and Cover	16	EACH	$_____	$_____
626.3000	Adjusting Water Meter Frame and Cover	9	EACH	$_____	$_____
626.4000	Adjusting Water Valve Box Frame and Cover	31	EACH	$_____	$_____
626.5000	Adjusting Telecom Manhole Frame and Cover	1	EACH	$_____	$_____
629.1011	Double 4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1013	4-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.1014	4-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1016	8-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1017	8-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1022	12-Inch Pavement Striping (Tape, Type I or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1023	12-Inch Pavement Striping (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1030	Crosswalk Marking (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1040	Pavement Arrows (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1050	Pavement Word (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____
629.1060	Pavement Symbol (Shark's Teeth Marking) (Tape, Type III or Thermoplastic Extrusion)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
629.2010	Type "A" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2020	Type "C" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2030	Type "D" Pavement Markers	L.S.	L.S.	L.S.	$_____
629.2070	Type "H" Pavement Markers	L.S.	L.S.	L.S.	$_____
630.1000	Type "A" Route Marker Assembly	L.S.	L.S.	L.S.	$_____
631.5000	Regulatory Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5001	Regulatory Sign (10 Square Feet or Less) with Posts(s)	L.S.	L.S.	L.S.	$_____
631.5002	Regulatory Sign (More than 10 Square Feet)	L.S.	L.S.	L.S.	$_____
631.5003	Regulatory Sign (More than 10 Square Feet) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5100	Warning Sign (10 Square Feet or Less)	L.S.	L.S.	L.S.	$_____
631.5101	Warning Sign (10 Square Feet or Less) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5103	Warning Sign (More than 10 Square Feet) with Post(s)	L.S.	L.S.	L.S.	$_____
631.5700	Directional Sign (More than 10 Square Feet) with Post(s)	L.S.	L.S.	L.S.	$_____

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
632.0300	Mile Post Marker and Route Number Plate with Post	L.S.	L.S.	L.S.	$_____
632.4200	Reflector Marker (RM-5) Mounted on New and Existing Guardrail	L.S.	L.S.	L.S.	$_____
634.1000	Portland Cement Concrete Sidewalk	L.S.	L.S.	L.S.	$_____
638.1000	Gutter, Type 2(1211216)	L.S.	L.S.	L.S.	$_____
638.2000	Gutter, Type 2(2012016)	L.S.	L.S.	L.S.	$_____
638.4000	Curb, Type 2D 4-Inch	L.S.	L.S.	L.S.	$_____
640.1000	Lined Drainage Ditch	L.S.	L.S.	L.S.	$_____
640.2000	Concrete Spillway	4	L.F.	$_____	$_____
641.1000	Hydro-Mulch Seeding	L.S.	L.S.	L.S.	$_____
643.1000	Maintenance of Existing Landscape Areas	F.A.	F.A.	F.A.	$ 50,000.00
645.1000	Traffic Control	L.S.	L.S.	L.S.	$_____
645.2000	Additional Police Officers, Additional Traffic Control Devices, and Advertisement	F.A.	F.A.	F.A.	$ 150,000.00

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
648.1000	Field-Posted Drawings	L.S.	L.S.	L.S.	$
650.1000	Detectable Warning Mat	11	EACH	$	$
693.1000	Terminal Impact Attenuator (QuadGuard QG28024 with Tension Strut Backup or Equivalent)	L.S.	L.S.	L.S.	$
694.0100	Longitudinal Channelizing Curb System	L.S.	L.S.	L.S.	$
695.1000	Public Education Materials or Services	F.A.	F.A.	F.A.	$ 10,000.00
696.1000	Maintenance of Trailers	F.A.	F.A.	F.A.	$ 30,000.00
697.1000	Archaeological Monitoring	F.A.	F.A.	F.A.	$ 80,000.00
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.	$

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
	a. SUM OF ALL ITEMS				$_____
	b. Either Furnish Foreign Steel Not to Exceed Minimal Amount (Fill in '0') Furnish Foreign Steel in Excess of Minimal Amount (Fill in 25% X a)				*$_____
	c. Amount for Comparison of Bids (a+b)				*$_____

*All bidders must fill in b and complete c.

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