

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ADDENDUM NO. 1
FOR
GUARDRAIL REPAIRS
AT VARIOUS LOCATIONS
PROJECT NO. HWY-OM-27-04
ISLAND OF OAHU
FY 2005**

Amend the Bid Documents as follows:

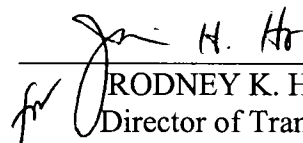
1. SPECIAL PROVISIONS

- a. Replace Page 102-2a dated 9/28/04 with the attached Page 102-2a dated r10/19/04.
- b. Replace Page 103-3a dated 9/21/04 with the attached Page 103-3a dated r10/19/04.
- c. Replace Pages 110-1a through 110-6a dated 9/22/04 with the attached Pages 110-1a through 110-6a dated r10/20/04.
- d. Replace Pages 606-1a through 606-5a dated 3/03/04 with the attached Pages 606-1a through 606-5a dated r10/20/04.

2. PRE-BID CONFERENCE

- a. Attached are the October 13, 2004 Pre-bid Conference Minutes and Attendance Sheet for your information.

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.



RODNEY K. HARAGA
Director of Transportation

more than 15% the Department will make payment for such items according to Subsection 104.09 - Method of Price Adjustment."

(III) Amend 102.07 **Irregular Proposals** by adding the following after item (5):

"(6) If in the opinion of the Director, the bidder and its listed subcontractors do not have the Contactor's licenses or combination of Contractor's licenses necessary to complete the work."

(IV) Amend 102.08 **Proposal Guaranty** to read as follows:

"102.08 Proposal Guaranty. The Department will not consider a proposal unless accompanied by:

(1) a deposit of legal tender; or

(2) a valid surety bid bond, underwritten by a company licensed to issue bonds in the State of Hawaii, in the form and composed, substantially, with the same language as provided herewith and signed by both parties; or

(3) a certificate of deposit, share certificate, cashier's check, treasurer's check, teller's check, or official check drawn by, or a certified check accepted by and payable on demand to the State by a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation (FDIC) or the National Credit Union Administration (NCUA).

(a) The bidder may use these instruments only to a maximum of \$100,000

(b) If the required security or bond amount totals over \$100,000 more than one instrument not exceeding \$100,000 each and issued by different financial institutions shall be acceptable.

(c) The instrument shall be made payable at sight to the Department of Transportation, State of Hawaii.

The above shall be in the amount of \$25,000.00."

(V) Amend 102.12 **Disqualification of Bidders** to read as follows:

"102.12 Disqualification of Bidders. The Department may disqualify a bidder and reject its proposal for the following reasons:

103 The application for the DCCA certificate is the responsibility of the
104 bidder, and must be submitted directly to the DCCA and not to the
105 Department.
106

107 Prospective bidders may submit a bid for any or all groups on the basic proposal
108 schedule. The awarding of the contract(s) will be made to the lowest responsible
109 bidder for each group.
110

111 This contract to be awarded is considered a requirement contract, as the
112 guardrail replacement by the Contractor will be made on an "as-needed" basis
113 during the 12-month contract period. The State gives no assurance as to the
114 number of services it will purchase."
115

116 The bidder must maintain an office on the Island of Oahu to be awarded the
117 contract."
118

119 **(III) Amend 103.06 Requirement of Contract Bond to read as follows:**
120

121 **"103.06 Requirement of Contract Bond.**
122

123 At the time of execution of the contract, the successful bidder shall file a
124 good and sufficient performance bond and a payment bond on the forms furnished
125 by the Department (see attached) conditioned for the full and faithful performance of
126 the contract according to the terms and intent thereof and for the prompt payment
127 to all others for all labor and material furnished by them to the bidder and used in
128 the prosecution of the work provided for in the contract. The bond shall be in the
129 amount of \$500,000.00 per group awarded. The bidder shall limit the acceptable
130 performance and payment bonds to the following:
131

132 **(a)** Legal tender;
133

134 **(b)** Surety bond underwritten by a company licensed to issue bonds in the
135 State of Hawaii; or
136

137 **(c)** A certificate of deposit; share certificate; cashier's check; treasurer's
138 check, teller's check drawn by or a certified check accepted by and payable
139 on demand to the State by a bank savings institution or credit union insured
140 by the Federal Deposit Insurance Corporation (FDIC) or the National Credit
141 Union Administration (NCUA)."
142

143 **(IV) Amend 103.07 Execution of the Contract by revising the first paragraph**
144 **to read as follows:**
145

146 **"103.07 Execution of Contract.** The contract bond and Chapter 104, HRS
147 Compliance Certificate, similar to a copy of the same annexed hereto, shall be
148 executed by the successful bidder and returned within ten days after the award of
149 the contract or within such further time as the Director may allow after the bidder
150 has received the contract for execution."

SECTION 110 - GUARDRAIL REPAIRS

110.01 Scope of Work - The work shall consist of furnishing all labor, necessary equipment, materials and traffic control, to repair guardrail on the Island of Oahu as requested. Guardrail repair involves repairing of the rails, posts, spacer blocks, and terminal sections (gating and non-gating systems). All work shall be performed in a professional manner in accordance with current practices and this document. All guardrail parts and debris shall be removed daily at all locations. See Section 110.03 – Area of Coverage.

The Contractor shall work as directed by the Highways Division's Oahu District Maintenance Engineer. The Contractor, as per Section 110.04 Safety and Convenience, shall provide traffic control and its cost shall be inclusive of guardrail work cost.

The Contractor shall possess an "A" General Engineering Contractor's license, or a "C-32" Ornamental, Guardrail and Fencing Contractor's license for the full term of the contract, and shall have possessed the license and have performed similar work for at least two years prior to the bid date. Failure to meet this requirement shall be cause of disqualification.

110.02 Contract Period and Option to Extend - The period of the contract shall be for twelve (12) months commencing from the date indicated in the "Notice to Proceed" from the Department. There is an option to extend for two (2) additional twelve (12) month periods, without re-bidding, upon mutual agreement in writing prior to the contract expiration date, provided the initial bid price remains the same. The maximum contract period is thirty-six (36) months.

Failure by the Contractor to execute the amendment to extend the contract within the number of days specified under Section 103.07 Execution of Contract may be cause for cancellation of the written agreement to extend the contract and may be subject to disqualification from bidding future projects for a two-year period in accordance with Section 102.12 Disqualification of Bidders.

110.03 Area of Coverage - The project requires the Contractor to repair guardrails on the Island of Oahu. Work shall be grouped into four areas along with the corresponding routes as shown on the attached map of the island of Oahu, Figure 1. The four areas are:

- (A) **Area 1:** Route 64, Sand Island Access Road/ Sand Island Parkway
Nimitz Highway (92) to Coast Guard Station Gate
Route 78, Moanalua Freeway
Kamehameha Highway (99) On-Ramp to Moanalua Freeway
To Moanalua Freeway Overpass (Structure over H-1)
Route 99, Kamehameha Highway
Waiawa Interchange to Pearl Harbor Interchange
Route 92, Nimitz Highway
Main Gates at Pearl Harbor and Hickam AFB to Richards Street
Route 92, Ala Moana Boulevard

Richards Street to Kalakaua Avenue
 Route 7241, Halawa Heights Road
 Kikania Street to Fernridge Place
 Route 7241, Kahuapaani Street
 Salt Lake Boulevard to Halawa Heights Road
 Route 7239, Ulune Extension/Halawa Valley Road
 North East of Kahuapaani Street to Iwaiwa Street
 Route 7351, Radford Drive
 Kamehameha Highway (99) to Bougainville Drive (7350)
 Route 7310, Puuloa Road
 Nimitz Highway to Mahiole Street
 Route 7345, Jarrette White Road
 Mahiole Street to Gate of Tripler Hospital
 Route 7413, Liliha Street
 North King Street to School Street
 Route 7350, Bougainville Drive
 Radford Drive to Vicinity of Radford High School
 Route 7351, Radford Drive
 Kamehameha Highway (99) to Bougainville Drive
 Route 7415, Middle Street
 Kamehameha Highway (99) to Mauka of H-1 Freeway
 *Route H-1, Waiawa Interchange to Kahauiki Interchange
 Pearl City/Waipahu to Middle Street
 Route H-3, Halawa Interchange to Halawa Portal of Harano
 Tunnels
 Route H201, Moanalua Freeway
 Moanalua Freeway Overpass (Structure over H-1) to Kahauiki Interchange
 Ala Ike Street (Leeward Community College)
 Kamehameha Highway (Keehi Interchange)
 Middle Street to Kalihi Stream Bridge
 Kaua Street
 Middle Street to Pineapple Place
 Lagoon Drive
 Nimitz Highway (92) to Koapaka Street
 Moanalua Road (Waiau Interchange)
 Ewa of Kaulike Drive to Kokohead of Hoomalu Street
 North King Street
 Middle Street (7415) to Ola Lane Overpass
 Pacific Street
 Between Nimitz Highway Outbound and inbound lanes in Iwilei
 Salt Lake Boulevard
 Kahuapaani Street (7241) to Luapele Drive
 Sumner Street
 Between Nimitz Highway Outbound and inbound lanes in Iwilei
 Waiawa Road (Near Leeward Community College)
 Farrington Highway (99) to Ala Ike Street

(B) Area 2: Route 76, Fort Weaver Road
 Navy Reservation Gate to Farrington Highway (7101)
 Route 93, Farrington Highway

(Palailai Interchange to Kaena Point State Park)
Route 95, Kalaeloa Boulevard/ Malakole Street
Palailai Interchange (H-1) to Kalaeloa Barbers Point Harbor
Route 99, Farrington Highway
Waiawa Interchange
Route 750, Kunia Road
Farrington Highway (7101) to Wilikina Drive (99)
Route 901, Fort Barrette Road
Barbers Point Naval Reservation to Makakilo Drive Overpass
Route 7101, Farrington Highway
Fort Weaver Road (76) to Waiawa Interchange
Route 7110, Farrington Highway
Fort Weaver Road (76) to West Access to Old Fort Weaver Road
Route 7141, Iroquois Road
Fort Weaver Road (76) to West Loch Ammunition Depot
Route 7142, Waipahu Street
Kamehameha Highway (99) to Makai End of H-1 Overpass
Farrington Highway (Makakilo Interchange)
Intersection of Fort Barrette Road and Makakilo Drive, 500 Feet on both sides of intersection

(C) Area 3: Route 80, Kamehameha Highway
Wilikina Drive (99) to Kamananui Road (99)
Route 83, Joseph P. Leong Highway
Kamehameha Highway (99) to Kamehameha Highway (83)
Route 83, Kamehameha Highway
Kahalewai Place to Kahaluu Bridge
Kahekili Highway
Kahaluu Bridge to Intersection of Kahekili Highway & Likelike Highway (63)
Route 83, Likelike Highway
Intersection of Likelike Hwy (63) and Kamehameha Hwy (83) to Kaneohe Bay Drive (65)
Route 83, Kamehameha Highway
Intersection of Likelike Hwy (63) & Kaneohe Bay Drive (65) to Pali Hwy (61)
Route 99, Kamehameha Highway
Weed Junction (Haleiwa) to Kamananui Road (99)
Route 99, Kamananui Road
Kamehameha Highway (99) to Wilikina Drive (99)
Route 99, Wilikina Drive
Kamananui Road (99) to Kamehameha Hwy (99) at Wahiawa Interchange
Route 930, Farrington Highway
Dillingham Airfield to Kaukonahua Road at Thompson Corner
Route 930, Kaukonahua Road
Kaukonahua Road at Thompson Corner to Weed Junction (Haleiwa)
Route 7012, Whitmore Avenue
Kamehameha Highway (99) to Helemano Naval Reservation
Route 7013, Meheula Parkway (Mililani Interchange)
Beginning of Northbound On-Ramp to End of Southbound Off-Ramp
Route 7160, Ka Uka Boulevard (Waipio Interchange)
Moaniani Street to the beginning of Mililani Memorial Park Road

Route H-2, Wahiawa Interchange to Waiawa Interchange
Leilehua Golf Course Road (Leilehua Interchange)
Kamehameha Highway (99) to Northbound Off-Ramp

(D) Area 4: Route 61, Pali Highway/
Vineyard Boulevard (98) to Castle Junction
Route 61, Kalanianaʻole Highway
Castle Junction to Waimanalo Junction
Route 61, Kailua Road
Waimanalo Junction to Kawainui Bridge
Route 63, Kalihi Street
Nimitz Highway (92) to School Street
Route 63, Likelike Highway
School Street to Intersection of Kahekili Hwy (83) & Likelike Hwy (83)
Route 65, Kaneohe Bay Drive
Kamehameha Highway (83) to Vicinity of Kaimalu Place
Route 65, Mokapu Saddle Road
Kaneohe Bay Drive (65) to Ilipilio Street
Route 65, Mokapu Boulevard
Ilipilio Street to North Kalaheo Avenue
Route 72, Kalanianaʻole Highway
Waimanalo Junction to Ainakoa Avenue
Route 98, Vineyard Boulevard
H-1 Off-Ramp & Olomea Street to H-1 On-Ramp (Pedestrian Overpass)
Route 98, Halona Street
Houghtailing Street to Palama Street
Route 98, Olomea Street
Houghtailing Street to Palama Street
Route 7601, Old Waialae Road (Kapiolani Interchange)
Kapiolani Boulevard to North King Street
Route 7801, Waialae Avenue
17th Avenue to Kilauea Avenue
*Route H-1, Middle Street to Ainakoa Avenue
Route H-3, Haiku Portal of Harano Tunnel to Kaneohe
Marine Corp Base
Bingham Street
Punahou Street to Vicinity of Isenberg
Funchal Street
Pauoa Road to Pali Highway (61)
Kaneohe Bay Drive
Malae Place to Kailua Interchange (H-3)
Kapahulu Avenue
Harding Avenue to Kapiolani Boulevard
Keeaumoku Street
Kinau Street to Kaihee Street
Kokohead Avenue
Harding Avenue to Pahoa Avenue
Lunalilo Street
Ernest Street to Keeaumoku Street
McCully Street

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Beretania Street to Dole Street
Metcalf Street
Dole Street to Alexander Street
Papaku Place
Near Piikoi/H-1 On-Ramp (East)
South King/Harding Avenue
Waialae Avenue (near Humane Society) to Second Avenue
Waiaka Road
Waiaka Place to Kapiolani Boulevard
Waokanaka Street

*Note: Night work is required. Refer to Section 110.04
– Safety and Convenience

110.04 Safety and Convenience - The Contractor shall at all times conduct his work to assure the least possible obstruction to public traffic. The Safety and convenience of the general public and the protection of persons and property is of utmost importance, and the Contractor shall provide appropriate traffic control and safety measures. The Contractor and his employees shall treat members of the public in a fair and polite manner. Workers shall present a professional appearance and conduct themselves in a professional manner at all times.

All Traffic control and safety measures shall be done in Conformance with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, Part VI – Standards and Guide for Traffic Controls for Street and Highway Construction, Maintenance, Utility, and Incident Management Operations, 1988 Edition of MUTCD, Revision 3 September 3, 1993. Costs for traffic control shall include set-up and removal of all signs, cones, delineators, barricades, flag persons, police officers, arrow boards, etc., and shall be included in the guardrail proposal price. Traffic control plan figures are attached for reference, see Section 645 – Traffic Control Devices.

Do not close traffic lanes or slow down traffic during the following peak hours:

Morning Peak Hours	6:00 A.M. to 8:30 A.M.
Afternoon Peak Hours	3:00 P.M. to 6:00 P.M.

Above peak hours is daily except Saturdays, Sundays and holidays.

Night work is required for Route H-1, H1/H2 Merge to Ainakoa Avenue. The night work hours are from 10:00 P.M. to 4:30 A.M. Areas 1 and 4 are affected.

The Contractor must notify all private property owners in the vicinity where guardrail repair is performed in the event that the work may hinder access to their property. The Contractor must also secure permission prior to entering private property to do guardrail work, if any.

The Contractor shall remove debris daily and shall leave the work site in a condition equal to or cleaner than prior to commencing work. The Contractor shall be responsible for all hauling and lawful disposal of debris. Any unauthorized or illegal disposal is grounds for termination of the contract.

110.05 Hours of Operation - The Contractor shall be available to provide the specified services during normal working hours and complete the services within the period specified in the work order. Normal working days and hours for the project are defined as Monday through Friday, 8:30 A.M. to 3:00 P.M., except for State holidays. Refer to Section 101.03 – Definitions of the Special Provisions, for the definition of Working Day. The Contractor will be contacted by authorized Highways personnel to schedule work, as needed. All services requested after normal work hours may be charged at one and one-half times the normal hourly labor rates.

110.06 Disposal of Debris - The Contractor shall be responsible for all hauling and dump fees and shall include the cost of these items in his bid. Any unauthorized or illegal disposal is grounds for termination of the contract.

110.07 Work Orders - A work order shall be prepared by the Contractor for each guardrail repair or group of guardrail repairs in the same location, and shall be similar to the attached form (see Figure 2). The work order shall also include the construction time schedule. At certain work sites, erosion control plans or BMP plans will be requested by the Engineer. Submit the work order for approval to Mr. Michael Medeiros, Highways Division Maintenance Engineer, Oahu District Office, 727 Kakoi Street, Honolulu, Hawaii 96819. Work shall not be performed unless the Contractor receives an approved work order. The Engineer or his representative shall authorize any increases in total price. Submit a copy of the approved work order to our Highways Design Section at 601 Kamokila Blvd. Room 609, Kapolei, HI 96707, or fax it to (808) 692-7590.

110.08 Basis of Payment - The contract unit prices shall be full compensation for furnishing all labor, materials (as listed in Section 104 SCOPE OF WORK), tools, equipment, trucks, traffic control, applicable taxes and incidentals to complete the work.

Payment shall be made by purchase order. The Contractor shall submit monthly progress payments to the Oahu District Office, 727 Kakoi Street, Honolulu, Hawaii 96819, if services are rendered. (See Special Provisions Section 109.09 Progress Payments).

Amend **Section 606 - Guardrail** to read as follows:

"SECTION 606 - GUARDRAIL

606.01 Description. This work includes installing guardrails according to the contract.

The contract designates the types of guardrails as follows:

Type 3 Beam Type Guardrail

The construction of guardrails includes the assembly and erection of component parts at the locations shown in the contract or as specified by the Engineer.

606.02 Materials. Materials shall conform to the following:

Joint Fillers	705.01
Reinforcing Steel	709.01
Wire Rope or Wire Cable	709.02
Chain Link Fencing	710.03
Metal Beam Rail	710.04
Guardrail Posts	710.07
Guardrail Hardware	710.08

Furnish zinc-coated steel post and zinc-coated steel rail beam for the Type 3 Beam Type Guard Rail. Do not mix the type of steel posts within the project.

When the location of manufacturing plants allows, the Engineer may inspect the plants periodically for compliance with specified manufacturing methods. The Engineer may get samples of materials for laboratory testing for compliance with material quality requirements. This may be the basis for acceptance of manufacturing lots regarding quality.

The condition of materials will be subject to inspection for acceptance before or during incorporation of materials into the work.

606.03 Construction Requirements. Repair zinc-coated base metal surfaces that the Contractor exposes, drills, threads, cuts according to 501.03(G)(2) - Repairing of Damaged Zinc-coated Surfaces.

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Preserve and protect existing facilities that the Contractor may affect by the guardrail installation. Replace the guardrails that the Contractor damages due to its operation at no cost to the State.

(A) Beam Type Guard Rail.

(1) Posts. When using a suitable method, the Contractor may drive only steel posts, except those with anchors, into the ground. Maintain an accurate vertical alignment and shall not deform the steel post.

Set the wood and steel posts with anchors plumb in hand or mechanically dug holes. Backfill post holes with acceptable material placed in layers and compact thoroughly.

Set the posts vertically in the ground to the approximate depth shown in the contract. The posts, after backfilling or driving, shall be in accurate alignment with their tops at the required grade.

The Contractor may vary the guardrail post locations shown in the contract to ease clearing utility lines or to produce smooth transitions. Request such variance for acceptance by the Engineer. The Contractor may not vary the guardrail post locations of terminal sections.

When the contract requires additional bolts and holes on posts, drill the additional bolt holes and furnish the bolts for proper installation. Drill, furnish, and install this additional bolts at no cost to the State.

Do not make the additional bolt holes in posts by burning with a torch or other method or device. Manufacture or drill the holes in the posts.

Apply a preservation treatment to the wood posts and blocks according to Section 714 - Structural Timber and Related Materials.

Where field cutting or boring is done after treatment, thoroughly swab, spray, or brush the cuts and holes with two applications of preservatives accepted by the Engineer.

(2) Rail Elements. Install the rail elements that results in a smooth, continuous installation. Draw the bolts, except adjustment bolt, tight. Bolts shall be of sufficient length to extend beyond the nuts.

When the contract requires setting the guardrail posts at non-standard spacing, cut the rail elements and drill bolt holes as necessary for proper installation.

Do not make the additional bolt holes by burning with a torch or other method or device.

The Contract does not require paint on zinc-coated steel railing.

(3) Existing Guardrail. The Contractor shall be responsible for verifying underground facilities such as utilities ducts, cables, and pipes in locations where the Contractor will drive guardrail posts. Repair damages done to the facilities despite the location or if shown in the contract at no cost to the State.

When removing the existing guardrails, backfill and compact the holes with suitable material. Grade and compact the shoulder area before installing the new guardrails and posts.

Reinstallation of guardrail shall be according to Subsection 606.03(A).

When replacing the existing guardrails with new guardrails and posts, do not leave an unprotected opening in the guardrail system of more than 500 linear feet. Also, after each work day, protect the areas not yet completed with physical barriers according to the latest MUTCD.

When replacing spacer blocks, use recycled plastic spacer blocks.

(4) Reset Guardrail Post. Adjust the height of existing guardrail post such that the guardrail element will be at the required height according to the contract.

Spacer blocks bolted to the existing post are to remain intact. When required or specified by the Engineer, excavate or fill and compact around the post to be adjusted. Replace the guardrails that are damaged by the Contractor due to its operation at no cost to the State and according to the contract.

606.04 Method of Measurement. The Engineer will measure guardrail per linear foot.

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

The Engineer will measure rigid barrier type guardrail per linear foot from end to end of the type specified.

The Engineer will measure end anchorage, terminal section and transition section as units of each kind.

The Engineer will measure resetting existing guardrail post per each.

606.05 Basis of Payment. The Engineer will pay for the accepted guardrail, post, and spacer block at the contract unit price per linear foot complete in place. The price includes full compensation for removing existing guardrails and posts; filling of post holes; grading and compacting the shoulder area; installing physical barrier; furnishing and installing the guardrails; and furnishing labor, materials, tools, equipment, and incidentals necessary to complete the work.

The Engineer will pay for the accepted end anchorage, terminal section and transition section at the contract unit price per each complete in place. The price includes full compensation for removing existing guardrails and posts; filling of post holes; grading and compacting the shoulder area; installing physical barrier; furnishing and installing the end anchorage, terminal section and transition section; and furnishing labor, materials, tools, equipment, and incidentals necessary to complete the work.

The Engineer will pay for the accepted resetting guardrail post at the contract unit price per each. The price includes full compensation for adjusting guardrails at obstruction, guardrails with rubrail, thrie beams, transitions, end terminals, rubrail, guardrail elements, cable assemblies, footings, and posts; excavating; filling; compacting; grading; and furnishing labor, materials, tools, equipment, and incidentals necessary to complete the work.

The Engineer will make payment under:

Pay Item	Pay Unit
Guardrail, Type _____	Linear Foot
Post for Guardrail, Type _____	Linear Foot
Spacer Block for Guardrail, Type _____	Linear Foot

End Anchorage Type _____	Each
Terminal Section, Type _____	Each
Transition Section Type _____	Each
Reset Guardrail Post	Each"

END OF SECTION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DESIGN BRANCH
HIGHWAY DESIGN SECTION
601 KAMOKILA BOULEVARD, ROOM 609
KAPOLEI, HAWAII 96707-2023

PRE-BID CONFERENCE MINUTES

601 KAMOKILA BOULEVARD, CONFERENCE ROOMS 111 A&B
KAPOLEI, HAWAII 96707-2023
13 OCTOBER 2004 0900 HOURS

PROJECT: GUARDRAIL REPAIR AT VARIOUS LOCATIONS
ISLAND OF OAHU

PROJECT NUMBER: HWY-OM-27-04

Pre-Bid Conference began at 9:05 am,
Opened pre-bid conference by stating the three projects,
Also stated there is no set agenda and this conference would field questions on PS&E.

1. Question: What is involved in the 48-hour response time?

Response: The State Engineer or Inspector shall scope the area(s) and submit a request either by phone or by fax. The Contractor shall respond within 48 hours after the request. The work order will include the Traffic Control Plans. The Engineer will review the work order such as unit pricing, work time schedule, and Traffic Control Plans before approval. The actual start of work shall vary case by case. The work order shall have the same information as on the form provided in the special provisions.

2. Question: Does the 48-hour response time include weekends or only the week days?

Response: The response time is on week days only.

3. Question: Per section 110.05 – Hours of Operation, will services after the normal work hours be charged at one and one-half times the normal rate, hourly rate, or unit price rate?

Response: We will look into it and respond in an addendum.

4. Question: Will Traffic Control be paid separately?

Response: The unit pricing shall include Traffic Control. The Traffic Control shall not be paid separately.

5. Question: How many work orders will be given?

Response: The scope of work for this contract will include work that our District Office cannot handle. The exact number of work orders are unknown and also the areas which need to be worked on are unknown.

6. Question: Will the work be scheduled so that the Contractor can provide a full days work for his crew, rather than small jobs over several days?

Response: The work order shall be reviewed and approved such that the work shall be done on a normal working day. The Engineer and Contractor will coordinate with each other to ensure the work will be done on a normal working day to avoid a short working day.

7. Question: Any Advisory Signs to be used?

Response: The unit pricing will not include the Advisory Signs. The Engineer and the Contractor will coordinate the scheduling of the work. HDOT will handle any public advertisement of any roadwork or traffic advisory.

8. Question: Do we need Erosion Control or BMP's.?

Response: There will be areas in which work will be near drainage systems, therefore Erosion Control Plans and/or BMP's will need to be submitted on the work order.

An addendum will be issued to address this.

9. Question: How will monthly progress payments be paid? Can we have partial payments?

Response: The work order(s) will be paid by purchase order. There will be no partial payments since the jobs won't be big enough.

10. Question: What initiates the work orders? How often does HDOT puts out work orders?

Response: Once the work orders are issued, the HDOT Maintenance Crew starts work or HDOT does an informal contract. There will be a backlog of work orders that needs to be done. Again, the exact number of work orders is unknown and also where the areas needs to be worked on are unknown. Since these contracts are being advertised, there will be work that HDOT will not be able to do right of way.

11. Question: Per section 110.01 – Scope of Work, does the 2 years of guardrail work experience include the state only or worldwide experience?

Response: The Contractor shall have a license and have performed similar work for at least 2 years prior to the bid date. This experience may be from work performed in the state and/or worldwide.

12. Question: Guardrail item for Spacer Block, Metal or Plastic?

Response: We will check with HWY-TD (Traffic Design) if they want to upgrade the spacer block. We will issue an addendum.

13. Question: Is the guardrail item for the W-Beam for rail only?
Response: Yes, for the rail only.
14. Question: Guardrail items for the 6-foot, 6 ½-foot or 8-foot, how do we determine what size post to use?
Response: The work order will state the size of guardrail post or HDOT will check with as-built plans to determine which post to use.
15. Question: Is this guardrail repair contract to repair or upgrade? Will there be time to order guardrail items if the contractor doesn't have the materials in stock?
Response: The scope of work per work order will determine what type of guardrail work needs to be done. The Engineer and Contractor will work together on the schedule if guardrail items need to be ordered.
16. Question: Does the cost for the SKT include the removing and replacing of the entire system?
Response: Yes.
17. Question: The flare rates are different for each guardrail end treatment, how do we replace it if we use different systems?
Response: Install what is recommended for the guardrail end treatment.
18. Question: What about the other end treatments, A, C, F and G?
Response: The Contractor will not repair or replace with the same end treatment (A, C, G, or F). The end treatment will be upgraded with a new end treatment as one unit.
19. Question: Replace soil tubes if damaged?
Response: If the work is to replace the entire end treatment, the soil tubes will be included. If the work is to repair the end treatment, the soil tubes may be reused if the soil tubes are not damaged.
20. Question: When replacing a section of rail, does the Contractor need to reset the rest of the rails to the proper height or matching height?
Response: Possibly, resetting the guardrail is included in Section 606 of the Special Provisions.
21. Question: For the Deck-Mounted Bridge Post item, does the bid price include replacing of the concrete curbing?
Response: Yes.

22. Question: If a section of guardrail is damaged and this section of guardrail is a safety hazard, temporary barricades or concrete barriers may be used. Is the Contractor responsible for the temporary barricades or concrete barriers?

Response: HDOT will have the temporary barricade already set up when the job is requested. When the Contractor is ready to replace or repair the guardrails, HDOT will coordinate with the Contractor before removing the temporary barricades or concrete barriers.

Pre-Bid Conference concluded at 10:45 am.

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS,
PROJECT NO. HWY-OM-27-04
PRE-BID MEETING
OCTOBER 13, 2004
9:00 AM**

NO.	NAME	COMPANY	PHONE NO.
1	Lloyd Hsu	DOT	831-6794
2	Bennet Lee	Sun Industries	833-2502
3	HUAN LAI	CC ENGINEERING &	848-2032
4	Kristine Svoboda	CONSTRUCTION, INC	
5		ADHE #8VDBODA INC	682 4833
6	George Atiburcio	DOT	692-7513
7	Lana Murashige	DOT	692-7514
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