

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ADDENDUM NO. 1
FOR
GUARDRAIL REPAIRS
AT VARIOUS LOCATIONS
PROJECT NO. HWY-OM-2007-35
ISLAND OF OAHU
FY 2008**

Amend the Bid Documents as follows:

1. SPECIAL PROVISIONS

- a. Replace Table of Contents dated 10/09/07 with the attached Table of Contents dated r12/04/07.
- b. Amend lines 240-241 of Subsection 102.08 - Proposal Guaranty, to read: "The above shall be in the amount of \$6,250.00 for each Area."
- c. Add Page 645-1a dated 12/04/07.

2. PROPOSAL

- a. Replace Page P-3 dated 1/22/04 with the attached Page P-3 dated r11/28/07.
- b. Replace Pages P-7 through P-30 dated 8/15/07 with the attached Pages P-7 through P-30 dated r12/04/07.
- c. Add Page P-31 dated 12/04/07.

3. PRE-BID CONFERENCE

- a. Attached are the November 28, 2007 Pre-bid Conference Minutes.

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.



BRENNON T. MORIOKA, Ph.D., P.E.
Acting Director of Transportation

TABLE OF CONTENTS

	<u>Page No.</u>
Notice to Bidders	
Instructions for Contractor's Licensing	
Special Provisions Title Page	
Section 102 Bidding Requirements and Conditions.....	102-1a – 102-9a
Section 103 Award and Execution of Contract.....	103-1a – 103-4a
Section 104 Scope of Work.....	104-1a – 104-2a
Section 105 Control of Work.....	105-1a – 105-2a
Section 106 Material Restrictions and Requirements.....	106-1a
Section 107 Legal Relations and Responsibility to Public.....	107-1a
Section 108 Prosecution and Progress.....	108-1a – 108-2a
Section 109 Measurement and Payment.....	109-1a
Section 110 Guardrail Repairs.....	110-1a – 110-7a
Section 602 Reinforcing Steel.....	602-1a
Section 606 Guardrail.....	606-1a – 606-2a
Section 645 Work Zone Traffic Control.....	645-1a
Section 693 Terminal Impact Attenuator.....	693-1a – 693-2a
Section 694 Inertial Barrier System.....	694-1a – 694-2a
Location Plan.....	Figure 1
Work Order Form.....	Figure 2

Requirement of Chapter 104, HRS
Wages and Hours of Employees on Public Works Law

Proposal Title Page

Proposal..... P-1 – P-6

Proposal Schedule..... P-7 – P-31

Surety Bid Bond

Sample Form Title Page

Contract

Performance Bond (Surety)

Performance Bond

Labor and Material Payment Bond (Surety)

Labor and Material Payment Bond

Chapter 104 Compliance Certificate

Certificate of Compliance for Final Payment

1 **SECTION 645 – WORK ZONE TRAFFIC CONTROL**

2
3 Make the following amendment to said Section:

4
5 **(I)** Amend **Subsection 645.04 – Measurement** from lines 394 to 403 to
6 read:

7
8 **“645.04 Measurement.** The Engineer will not measure Traffic Control
9 for payment. The Engineer will not measure Additional Police Officers,
10 Additional Traffic Control Devices, and Advertisement for payment such as
11 hiring the services of additional Police Officers that the Engineer
12 requested; furnishing, installing, maintaining and removing the
13 additional devices; and inserting the legal notices required by the
14 Engineer.

15 The Engineer will measure Electronic Message Boards per each.”

16 **(II)** Amend **Subsection 645.05 – Payment** from lines 405 to 424 to read:

17
18 **“645.05 Payment.** The Engineer will not pay for the Traffic Control
19 separately. The cost for traffic control shall include set-up and removal
20 of all signs, cones, delineators, barricades, flag persons, police officers,
21 and arrow boards, and shall be included in the contract price of the
22 various contract items in Section 606 - Guardrail.

23 The Engineer will pay for the accepted Electronic Message Boards at the
24 contract price per each. The price includes full compensation for
25 furnishing labor, materials, tools, equipment, and incidentals necessary
26 to operate the Electronic Message Boards.

27 Pay Item	Pay Unit
28 Electronic Message Board	Each”

29
30 **END OF SECTION 645**
31

4. In case of a discrepancy between unit prices and the totals in said Proposal Schedule, the unit prices shall prevail.

5. Agrees to begin work within 10 working days after the date of notification to commence with the work, which date is in the notice to proceed, and shall finish the entire project within the time prescribed.

6. The Director of Transportation reserves the right to reject any or all bids and to waive any defects when in the Director's opinion such rejections or waiver will be for the best interest of the public.

The bidder acknowledges receipt of and certifies that it has completely examined the following listed items: Hawaii Standard Specifications for Road, Bridge, and Public Works Construction, 1994, the Notice to Bidders, the Special Provisions, the Technical Provisions, the Proposal, the Contract and Bond Forms, and the Project Plans.

The undersigned further agrees that if this proposal is accepted and the contract awarded, the bidder shall, prior to payment of the final estimate, execute the attached Certification of Compliance for Final Payment form (SPO Form-22).

In accordance with Section 103D-323, Hawaii Revised Statutes, this proposal is accompanied with a bid security in the amount of \$6,250.00 per Area, in the form checked below. (Check applicable bid security submitted with bid.)

_____ Surety Bid Bond (Use standard form),

_____ Cash,

_____ Cashier's Check,

_____ Certified Check, or

(Fill in other acceptable security.)

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 1 (AREA 1)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3510	W-Beam Guardrail			
606.3510 - a	less than 250 Lin Ft	1	Lin Ft	\$ _____
606.3510 - b	251 - 500 Lin Ft	1	Lin Ft	\$ _____
606.3510 - c	501 - 750 Lin Ft	1	Lin Ft	\$ _____
606.3510 - d	over 750 Lin Ft	1	Lin Ft	\$ _____
606.3520	Spacer Block for W-Beam Guardrail			
606.3520 - a	less than 125 Each	1	Each	\$ _____
606.3520 - b	126 - 250 Each	1	Each	\$ _____
606.3520 - c	251 - 375 Each	1	Each	\$ _____
606.3520 - d	over 375 Each	1	Each	\$ _____
606.3530	Thrie Beam Guardrail			
606.3530 - a	less than 250 Lin Ft	1	Lin Ft	\$ _____
606.3530 - b	251 - 500 Lin Ft	1	Lin Ft	\$ _____
606.3530 - c	501 - 750 Lin Ft	1	Lin Ft	\$ _____
606.3530 - d	over 750 Lin Ft	1	Lin Ft	\$ _____
606.3540	Spacer Block for Thrie Beam Guardrail			
606.3540 - a	less than 125 Each	1	Each	\$ _____
606.3540 - b	126 - 250 Each	1	Each	\$ _____
606.3540 - c	251 - 375 Each	1	Each	\$ _____
606.3540 - d	over 375 Each	1	Each	\$ _____
606.3550	6-Foot W6x8.5 Post for Guardrail			
606.3550 - a	less than 125 Each	1	Each	\$ _____
606.3550 - b	126 - 250 Each	1	Each	\$ _____
606.3550 - c	251 - 375 Each	1	Each	\$ _____
606.3550 - d	over 375 Each	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 1 (AREA 1)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3560	6.5-Foot W6x8.5 Post for Guardrail			
606.3560 - a	less than 125 Each	1	Each	\$ _____
606.3560 - b	126 - 250 Each	1	Each	\$ _____
606.3560 - c	251 - 375 Each	1	Each	\$ _____
606.3560 - d	over 375 Each	1	Each	\$ _____
606.3570	6.75-Foot W6x8.5 Post for Guardrail			
606.3570 - a	less than 125 Each	1	Each	\$ _____
606.3570 - b	126 - 250 Each	1	Each	\$ _____
606.3570 - c	251 - 375 Each	1	Each	\$ _____
606.3570 - d	over 375 Each	1	Each	\$ _____
606.3580	8-Foot W6x8.5 Post for Guardrail			
606.3580 - a	less than 125 Each	1	Each	\$ _____
606.3580 - b	126 - 250 Each	1	Each	\$ _____
606.3580 - c	251 - 375 Each	1	Each	\$ _____
606.3580 - d	over 375 Each	1	Each	\$ _____
606.3590	Deck-Mounted Bridge Post			
606.3590 - a	less than 50 Each	1	Each	\$ _____
606.3590 - b	51 - 100 Each	1	Each	\$ _____
606.3590 - c	101 - 150 Each	1	Each	\$ _____
606.3590 - d	over 150 Each	1	Each	\$ _____
606.3610	Type G Anchor Block Assembly	1	Each	\$ _____
606.7100	Terminal Section			
606.7100 - a	Type FLEAT-350	1	Each	\$ _____
606.7100 - b	Type ET-2000	1	Each	\$ _____
606.7100 - c	Type SKT-350	1	Each	\$ _____
606.7200	W-Beam End Section (Rounded RWE03a)	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 1 (AREA 1)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.7300	Thrie Beam to W-Beam Transition Section	1	Each	\$ _____
645.1000	Electronic Message Board	1	Each	\$ _____
693.1000	QuadGuard System - Spare Parts			
693.1000 - a	Type I Cartridge	1	Each	\$ _____
693.1000 - b	Type II Cartridge	1	Each	\$ _____
693.1000 - c	Quad to Safety Shape Barrier Transition Panel	1	Each	\$ _____
693.1000 - d	Quad to Thrie Transition Panel	1	Each	\$ _____
693.1000 - e	Quad to W Transition Panel	1	Each	\$ _____
693.1000 - f	Quad End Shoe Transition Panel	1	Each	\$ _____
693.1000 - g	Quad Beam Fender Panel	1	Each	\$ _____
693.1000 - h	Mushroom Washer Assembly	1	Each	\$ _____
693.1000 - i	Nose Cover Assembly	1	Each	\$ _____
693.1000 - j	First Diaphragm	1	Each	\$ _____
693.1000 - k	Diaphragm	1	Each	\$ _____
693.1000 - l	Backup - Tension Strut	1	Each	\$ _____
693.1000 - m	MP-3 Anchor Kit	1	Each	\$ _____
693.1000 - n	Monorail Assembly	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 1 (AREA 1)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.2000	QuadGuard LMC System - Spare Parts			
693.2000 - a	Cylinder Assembly Type 2Q	1	Each	\$ _____
693.2000 - b	Cylinder Assembly Type 3Q	1	Each	\$ _____
693.2000 - c	Cylinder Assembly Type 4Q	1	Each	\$ _____
693.2000 - d	Cylinder Assembly Type 5Q	1	Each	\$ _____
693.2000 - e	Diaphragm Assembly	1	Each	\$ _____
693.2000 - f	Nose Assembly	1	Each	\$ _____
693.2000 - g	Fender Panel Assembly	1	Each	\$ _____
693.2000 - h	Backup Assembly	1	Each	\$ _____
693.2000 - i	Monorail Assembly	1	Each	\$ _____
693.2000 - j	Bay Assembly	1	Each	\$ _____
693.2000 - k	Chain Assembly	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 1 (AREA 1)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.3000	TAU-II Crash Cushion System			
693.3000 - a	Front Support	1	Each	\$ _____
693.3000 - b	Middle Support Diaphragm	1	Each	\$ _____
693.3000 - c	Compact Backstop	1	Each	\$ _____
693.3000 - d	Energy Absorbing Cartridge, Type A	1	Each	\$ _____
693.3000 - e	Energy Absorbing Cartridge, Type B	1	Each	\$ _____
693.3000 - f	Anchoring Package, Compact Backstop	1	Each	\$ _____
693.3000 - g	Front Support Leg	1	Each	\$ _____
693.3000 - h	Compact Cable	1	Each	\$ _____
693.3000 - i	Cable Guide Assembly	1	Each	\$ _____
693.3000 - j	Sliding Panel	1	Each	\$ _____
693.3000 - k	Sliding Bolt	1	Each	\$ _____
693.3000 - l	End Panel	1	Each	\$ _____
693.3000 - m	Pipe Panel Mount	1	Each	\$ _____
693.3000 - n	End Panel Cross Piece	1	Each	\$ _____
693.3000 - o	Front Cable Anchor	1	Each	\$ _____
693.3000 - p	Nose Piece	1	Each	\$ _____
693.3000 - q	Extra Thick Flat Washer, SS	1	Each	\$ _____
693.3000 - r	Hex Bolt, SS-20MM x 50MM	1	Each	\$ _____
693.3000 - s	Washer, SS	1	Each	\$ _____
693.3000 - t	Hex Nut, SS-20MM	1	Each	\$ _____
693.3000 - u	Fender Washer, SS-20M x 50MM	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 1 (AREA 1)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
694.1000	Inertial Barrier System			
694.1000 - a	module - 200 lbs.	1	Each	\$ _____
694.1000 - b	module - 400 lbs.	1	Each	\$ _____
694.1000 - c	module - 700 lbs.	1	Each	\$ _____
694.1000 - d	module - 1400 lbs.	1	Each	\$ _____
694.1000 - e	module - 2100 lbs.	1	Each	\$ _____
SUM OF ALL ITEMS FOR COMPARISON OF BIDS - AREA 1				\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 2 (AREA 2)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3510	W-Beam Guardrail			
606.3510 - a	less than 250 Lin Ft	1	Lin Ft	\$ _____
606.3510 - b	251 - 500 Lin Ft	1	Lin Ft	\$ _____
606.3510 - c	501 - 750 Lin Ft	1	Lin Ft	\$ _____
606.3510 - d	over 750 Lin Ft	1	Lin Ft	\$ _____
606.3520	Spacer Block for W-Beam Guardrail			
606.3520 - a	less than 125 Each	1	Each	\$ _____
606.3520 - b	126 - 250 Each	1	Each	\$ _____
606.3520 - c	251 - 375 Each	1	Each	\$ _____
606.3520 - d	over 375 Each	1	Each	\$ _____
606.3530	Thrie Beam Guardrail			
606.3530 - a	less than 250 Lin Ft	1	Lin Ft	\$ _____
606.3530 - b	251 - 500 Lin Ft	1	Lin Ft	\$ _____
606.3530 - c	501 - 750 Lin Ft	1	Lin Ft	\$ _____
606.3530 - d	over 750 Lin Ft	1	Lin Ft	\$ _____
606.3540	Spacer Block for Thrie Beam Guardrail			
606.3540 - a	less than 125 Each	1	Each	\$ _____
606.3540 - b	126 - 250 Each	1	Each	\$ _____
606.3540 - c	251 - 375 Each	1	Each	\$ _____
606.3540 - d	over 375 Each	1	Each	\$ _____
606.3550	6-Foot W6x8.5 Post for Guardrail			
606.3550 - a	less than 125 Each	1	Each	\$ _____
606.3550 - b	126 - 250 Each	1	Each	\$ _____
606.3550 - c	251 - 375 Each	1	Each	\$ _____
606.3550 - d	over 375 Each	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 2 (AREA 2)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3560	6.5-Foot W6x8.5 Post for Guardrail			
606.3560 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3560 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3560 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3560 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3570	6.75-Foot W6x8.5 Post for Guardrail			
606.3570 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3570 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3570 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3570 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3580	8-Foot W6x8.5 Post for Guardrail			
606.3580 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3580 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3580 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3580 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3590	Deck-Mounted Bridge Post			
606.3590 - a	less than 50 Each	<u>1</u>	Each	\$ _____
606.3590 - b	51 - 100 Each	<u>1</u>	Each	\$ _____
606.3590 - c	101 - 150 Each	<u>1</u>	Each	\$ _____
606.3590 - d	over 150 Each	<u>1</u>	Each	\$ _____
606.3610	Type G Anchor Block Assembly	<u>1</u>	Each	\$ _____
606.7100	Terminal Section			
606.7100 - a	Type FLEAT-350	<u>1</u>	Each	\$ _____
606.7100 - b	Type ET-2000	<u>1</u>	Each	\$ _____
606.7100 - c	Type SKT-350	<u>1</u>	Each	\$ _____
606.7200	W-Beam End Section (Rounded RWE03a)	<u>1</u>	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 2 (AREA 2)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.7300	Thrie Beam to W-Beam Transition Section	1	Each	\$ _____
645.1000	Electronic Message Board	1	Each	\$ _____
693.1000	QuadGuard System - Spare Parts			
693.1000 - a	Type I Cartridge	1	Each	\$ _____
693.1000 - b	Type II Cartridge	1	Each	\$ _____
693.1000 - c	Quad to Safety Shape Barrier Transition Panel	1	Each	\$ _____
693.1000 - d	Quad to Thrie Transition Panel	1	Each	\$ _____
693.1000 - e	Quad to W Transition Panel	1	Each	\$ _____
693.1000 - f	Quad End Shoe Transition Panel	1	Each	\$ _____
693.1000 - g	Quad Beam Fender Panel	1	Each	\$ _____
693.1000 - h	Mushroom Washer Assembly	1	Each	\$ _____
693.1000 - i	Nose Cover Assembly	1	Each	\$ _____
693.1000 - j	First Diaphragm	1	Each	\$ _____
693.1000 - k	Diaphragm	1	Each	\$ _____
693.1000 - l	Backup - Tension Strut	1	Each	\$ _____
693.1000 - m	MP-3 Anchor Kit	1	Each	\$ _____
693.1000 - n	Monorail Assembly	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 2 (AREA 2)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.2000	QuadGuard LMC System - Spare Parts			
693.2000 - a	Cylinder Assembly Type 2Q	1	Each	\$ _____
693.2000 - b	Cylinder Assembly Type 3Q	1	Each	\$ _____
693.2000 - c	Cylinder Assembly Type 4Q	1	Each	\$ _____
693.2000 - d	Cylinder Assembly Type 5Q	1	Each	\$ _____
693.2000 - e	Diaphragm Assembly	1	Each	\$ _____
693.2000 - f	Nose Assembly	1	Each	\$ _____
693.2000 - g	Fender Panel Assembly	1	Each	\$ _____
693.2000 - h	Backup Assembly	1	Each	\$ _____
693.2000 - i	Monorail Assembly	1	Each	\$ _____
693.2000 - j	Bay Assembly	1	Each	\$ _____
693.2000 - k	Chain Assembly	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 2 (AREA 2)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.3000	TAU-II Crash Cushion System			
693.3000 - a	Front Support	1	Each	\$ _____
693.3000 - b	Middle Support Diaphragm	1	Each	\$ _____
693.3000 - c	Compact Backstop	1	Each	\$ _____
693.3000 - d	Energy Absorbing Cartridge, Type A	1	Each	\$ _____
693.3000 - e	Energy Absorbing Cartridge, Type B	1	Each	\$ _____
693.3000 - f	Anchoring Package, Compact Backstop	1	Each	\$ _____
693.3000 - g	Front Support Leg	1	Each	\$ _____
693.3000 - h	Compact Cable	1	Each	\$ _____
693.3000 - i	Cable Guide Assembly	1	Each	\$ _____
693.3000 - j	Sliding Panel	1	Each	\$ _____
693.3000 - k	Sliding Bolt	1	Each	\$ _____
693.3000 - l	End Panel	1	Each	\$ _____
693.3000 - m	Pipe Panel Mount	1	Each	\$ _____
693.3000 - n	End Panel Cross Piece	1	Each	\$ _____
693.3000 - o	Front Cable Anchor	1	Each	\$ _____
693.3000 - p	Nose Piece	1	Each	\$ _____
693.3000 - q	Extra Thick Flat Washer, SS	1	Each	\$ _____
693.3000 - r	Hex Bolt, SS-20MM x 50MM	1	Each	\$ _____
693.3000 - s	Washer, SS	1	Each	\$ _____
693.3000 - t	Hex Nut, SS-20MM	1	Each	\$ _____
693.3000 - u	Fender Washer, SS-20M x 50MM	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 2 (AREA 2)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
694.1000	Inertial Barrier System			
694.1000 - a	module - 200 lbs.	1	Each	\$ _____
694.1000 - b	module - 400 lbs.	1	Each	\$ _____
694.1000 - c	module - 700 lbs.	1	Each	\$ _____
694.1000 - d	module - 1400 lbs.	1	Each	\$ _____
694.1000 - e	module - 2100 lbs.	1	Each	\$ _____
SUM OF ALL ITEMS FOR COMPARISON OF BIDS - AREA 2				\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 3 (AREA 3)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3510	W-Beam Guardrail			
606.3510 - a	less than 250 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3510 - b	251 - 500 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3510 - c	501 - 750 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3510 - d	over 750 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3520	Spacer Block for W-Beam Guardrail			
606.3520 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3520 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3520 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3520 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3530	Thrie Beam Guardrail			
606.3530 - a	less than 250 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3530 - b	251 - 500 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3530 - c	501 - 750 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3530 - d	over 750 Lin Ft	<u>1</u>	Lin Ft	\$ _____
606.3540	Spacer Block for Thrie Beam Guardrail			
606.3540 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3540 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3540 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3540 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3550	6-Foot W6x8.5 Post for Guardrail			
606.3550 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3550 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3550 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3550 - d	over 375 Each	<u>1</u>	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 3 (AREA 3)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3560	6.5-Foot W6x8.5 Post for Guardrail			
606.3560 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3560 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3560 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3560 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3570	6.75-Foot W6x8.5 Post for Guardrail			
606.3570 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3570 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3570 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3570 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3580	8-Foot W6x8.5 Post for Guardrail			
606.3580 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3580 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3580 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3580 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3590	Deck-Mounted Bridge Post			
606.3590 - a	less than 50 Each	<u>1</u>	Each	\$ _____
606.3590 - b	51 - 100 Each	<u>1</u>	Each	\$ _____
606.3590 - c	101 - 150 Each	<u>1</u>	Each	\$ _____
606.3590 - d	over 150 Each	<u>1</u>	Each	\$ _____
606.3610	Type G Anchor Block Assembly	<u>1</u>	Each	\$ _____
606.7100	Terminal Section			
606.7100 - a	Type FLEAT-350	<u>1</u>	Each	\$ _____
606.7100 - b	Type ET-2000	<u>1</u>	Each	\$ _____
606.7100 - c	Type SKT-350	<u>1</u>	Each	\$ _____
606.7200	W-Beam End Section (Rounded RWE03a)	<u>1</u>	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 3 (AREA 3)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.7300	Thrie Beam to W-Beam Transition Section	1	Each	\$ _____
645.1000	Electronic Message Board	1	Each	\$ _____
693.1000	QuadGuard System - Spare Parts			
693.1000 - a	Type I Cartridge	1	Each	\$ _____
693.1000 - b	Type II Cartridge	1	Each	\$ _____
693.1000 - c	Quad to Safety Shape Barrier Transition Panel	1	Each	\$ _____
693.1000 - d	Quad to Thrie Transition Panel	1	Each	\$ _____
693.1000 - e	Quad to W Transition Panel	1	Each	\$ _____
693.1000 - f	Quad End Shoe Transition Panel	1	Each	\$ _____
693.1000 - g	Quad Beam Fender Panel	1	Each	\$ _____
693.1000 - h	Mushroom Washer Assembly	1	Each	\$ _____
693.1000 - i	Nose Cover Assembly	1	Each	\$ _____
693.1000 - j	First Diaphragm	1	Each	\$ _____
693.1000 - k	Diaphragm	1	Each	\$ _____
693.1000 - l	Backup - Tension Strut	1	Each	\$ _____
693.1000 - m	MP-3 Anchor Kit	1	Each	\$ _____
693.1000 - n	Monorail Assembly	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 3 (AREA 3)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.2000	QuadGuard LMC System - Spare Parts			
693.2000 - a	Cylinder Assembly Type 2Q	1	Each	\$ _____
693.2000 - b	Cylinder Assembly Type 3Q	1	Each	\$ _____
693.2000 - c	Cylinder Assembly Type 4Q	1	Each	\$ _____
693.2000 - d	Cylinder Assembly Type 5Q	1	Each	\$ _____
693.2000 - e	Diaphragm Assembly	1	Each	\$ _____
693.2000 - f	Nose Assembly	1	Each	\$ _____
693.2000 - g	Fender Panel Assembly	1	Each	\$ _____
693.2000 - h	Backup Assembly	1	Each	\$ _____
693.2000 - i	Monorail Assembly	1	Each	\$ _____
693.2000 - j	Bay Assembly	1	Each	\$ _____
693.2000 - k	Chain Assembly	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 3 (AREA 3)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.3000	TAU-II Crash Cushion System			
693.3000 - a	Front Support	1	Each	\$ _____
693.3000 - b	Middle Support Diaphragm	1	Each	\$ _____
693.3000 - c	Compact Backstop	1	Each	\$ _____
693.3000 - d	Energy Absorbing Cartridge, Type A	1	Each	\$ _____
693.3000 - e	Energy Absorbing Cartridge, Type B	1	Each	\$ _____
693.3000 - f	Anchoring Package, Compact Backstop	1	Each	\$ _____
693.3000 - g	Front Support Leg	1	Each	\$ _____
693.3000 - h	Compact Cable	1	Each	\$ _____
693.3000 - i	Cable Guide Assembly	1	Each	\$ _____
693.3000 - j	Sliding Panel	1	Each	\$ _____
693.3000 - k	Sliding Bolt	1	Each	\$ _____
693.3000 - l	End Panel	1	Each	\$ _____
693.3000 - m	Pipe Panel Mount	1	Each	\$ _____
693.3000 - n	End Panel Cross Piece	1	Each	\$ _____
693.3000 - o	Front Cable Anchor	1	Each	\$ _____
693.3000 - p	Nose Piece	1	Each	\$ _____
693.3000 - q	Extra Thick Flat Washer, SS	1	Each	\$ _____
693.3000 - r	Hex Bolt, SS-20MM x 50MM	1	Each	\$ _____
693.3000 - s	Washer, SS	1	Each	\$ _____
693.3000 - t	Hex Nut, SS-20MM	1	Each	\$ _____
693.3000 - u	Fender Washer, SS-20M x 50MM	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 3 (AREA 3)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
694.1000	Inertial Barrier System			
694.1000 - a	module - 200 lbs.	1	Each	\$ _____
694.1000 - b	module - 400 lbs.	1	Each	\$ _____
694.1000 - c	module - 700 lbs.	1	Each	\$ _____
694.1000 - d	module - 1400 lbs.	1	Each	\$ _____
694.1000 - e	module - 2100 lbs.	1	Each	\$ _____
SUM OF ALL ITEMS FOR COMPARISON OF BIDS - AREA 3				\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 4 (AREA 4)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3510	W-Beam Guardrail			
606.3510 - a	less than 250 Lin Ft	1	Lin Ft	\$ _____
606.3510 - b	251 - 500 Lin Ft	1	Lin Ft	\$ _____
606.3510 - c	501 - 750 Lin Ft	1	Lin Ft	\$ _____
606.3510 - d	over 750 Lin Ft	1	Lin Ft	\$ _____
606.3520	Spacer Block for W-Beam Guardrail			
606.3520 - a	less than 125 Each	1	Each	\$ _____
606.3520 - b	126 - 250 Each	1	Each	\$ _____
606.3520 - c	251 - 375 Each	1	Each	\$ _____
606.3520 - d	over 375 Each	1	Each	\$ _____
606.3530	Thrie Beam Guardrail			
606.3530 - a	less than 250 Lin Ft	1	Lin Ft	\$ _____
606.3530 - b	251 - 500 Lin Ft	1	Lin Ft	\$ _____
606.3530 - c	501 - 750 Lin Ft	1	Lin Ft	\$ _____
606.3530 - d	over 750 Lin Ft	1	Lin Ft	\$ _____
606.3540	Spacer Block for Thrie Beam Guardrail			
606.3540 - a	less than 125 Each	1	Each	\$ _____
606.3540 - b	126 - 250 Each	1	Each	\$ _____
606.3540 - c	251 - 375 Each	1	Each	\$ _____
606.3540 - d	over 375 Each	1	Each	\$ _____
606.3550	6-Foot W6x8.5 Post for Guardrail			
606.3550 - a	less than 125 Each	1	Each	\$ _____
606.3550 - b	126 - 250 Each	1	Each	\$ _____
606.3550 - c	251 - 375 Each	1	Each	\$ _____
606.3550 - d	over 375 Each	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 4 (AREA 4)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.3560	6.5-Foot W6x8.5 Post for Guardrail			
606.3560 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3560 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3560 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3560 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3570	6.75-Foot W6x8.5 Post for Guardrail			
606.3570 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3570 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3570 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3570 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3580	8-Foot W6x8.5 Post for Guardrail			
606.3580 - a	less than 125 Each	<u>1</u>	Each	\$ _____
606.3580 - b	126 - 250 Each	<u>1</u>	Each	\$ _____
606.3580 - c	251 - 375 Each	<u>1</u>	Each	\$ _____
606.3580 - d	over 375 Each	<u>1</u>	Each	\$ _____
606.3590	Deck-Mounted Bridge Post			
606.3590 - a	less than 50 Each	<u>1</u>	Each	\$ _____
606.3590 - b	51 - 100 Each	<u>1</u>	Each	\$ _____
606.3590 - c	101 - 150 Each	<u>1</u>	Each	\$ _____
606.3590 - d	over 150 Each	<u>1</u>	Each	\$ _____
606.3610	Type G Anchor Block Assembly	<u>1</u>	Each	\$ _____
606.7100	Terminal Section			
606.7100 - a	Type FLEAT-350	<u>1</u>	Each	\$ _____
606.7100 - b	Type ET-2000	<u>1</u>	Each	\$ _____
606.7100 - c	Type SKT-350	<u>1</u>	Each	\$ _____
606.7200	W-Beam End Section (Rounded RWE03a)	<u>1</u>	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 4 (AREA 4)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
606.7300	Thrie Beam to W-Beam Transition Section	1	Each	\$ _____
645.1000	Electronic Message Board	1	Each	\$ _____
693.1000	QuadGuard System - Spare Parts			
693.1000 - a	Type I Cartridge	1	Each	\$ _____
693.1000 - b	Type II Cartridge	1	Each	\$ _____
693.1000 - c	Quad to Safety Shape Barrier Transition Panel	1	Each	\$ _____
693.1000 - d	Quad to Thrie Transition Panel	1	Each	\$ _____
693.1000 - e	Quad to W Transition Panel	1	Each	\$ _____
693.1000 - f	Quad End Shoe Transition Panel	1	Each	\$ _____
693.1000 - g	Quad Beam Fender Panel	1	Each	\$ _____
693.1000 - h	Mushroom Washer Assembly	1	Each	\$ _____
693.1000 - i	Nose Cover Assembly	1	Each	\$ _____
693.1000 - j	First Diaphragm	1	Each	\$ _____
693.1000 - k	Diaphragm	1	Each	\$ _____
693.1000 - l	Backup - Tension Strut	1	Each	\$ _____
693.1000 - m	MP-3 Anchor Kit	1	Each	\$ _____
693.1000 - n	Monorail Assembly	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 4 (AREA 4)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.2000	QuadGuard LMC System - Spare Parts			
693.2000 - a	Cylinder Assembly Type 2Q	1	Each	\$ _____
693.2000 - b	Cylinder Assembly Type 3Q	1	Each	\$ _____
693.2000 - c	Cylinder Assembly Type 4Q	1	Each	\$ _____
693.2000 - d	Cylinder Assembly Type 5Q	1	Each	\$ _____
693.2000 - e	Diaphragm Assembly	1	Each	\$ _____
693.2000 - f	Nose Assembly	1	Each	\$ _____
693.2000 - g	Fender Panel Assembly	1	Each	\$ _____
693.2000 - h	Backup Assembly	1	Each	\$ _____
693.2000 - i	Monorail Assembly	1	Each	\$ _____
693.2000 - j	Bay Assembly	1	Each	\$ _____
693.2000 - k	Chain Assembly	1	Each	\$ _____

**GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 4 (AREA 4)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35**

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
693.3000	TAU-II Crash Cushion System			
693.3000 - a	Front Support	1	Each	\$ _____
693.3000 - b	Middle Support Diaphragm	1	Each	\$ _____
693.3000 - c	Compact Backstop	1	Each	\$ _____
693.3000 - d	Energy Absorbing Cartridge, Type A	1	Each	\$ _____
693.3000 - e	Energy Absorbing Cartridge, Type B	1	Each	\$ _____
693.3000 - f	Anchoring Package, Compact Backstop	1	Each	\$ _____
693.3000 - g	Front Support Leg	1	Each	\$ _____
693.3000 - h	Compact Cable	1	Each	\$ _____
693.3000 - i	Cable Guide Assembly	1	Each	\$ _____
693.3000 - j	Sliding Panel	1	Each	\$ _____
693.3000 - k	Sliding Bolt	1	Each	\$ _____
693.3000 - l	End Panel	1	Each	\$ _____
693.3000 - m	Pipe Panel Mount	1	Each	\$ _____
693.3000 - n	End Panel Cross Piece	1	Each	\$ _____
693.3000 - o	Front Cable Anchor	1	Each	\$ _____
693.3000 - p	Nose Piece	1	Each	\$ _____
693.3000 - q	Extra Thick Flat Washer, SS	1	Each	\$ _____
693.3000 - r	Hex Bolt, SS-20MM x 50MM	1	Each	\$ _____
693.3000 - s	Washer, SS	1	Each	\$ _____
693.3000 - t	Hex Nut, SS-20MM	1	Each	\$ _____
693.3000 - u	Fender Washer, SS-20M x 50MM	1	Each	\$ _____

GUARDRAIL REPAIRS AT VARIOUS LOCATIONS
GROUP 4 (AREA 4)
ISLAND OF OAHU
PROJECT NO. HWY-OM-2007-35

PROPOSAL SCHEDULE				
ITEM NO.	ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE
694.1000	Inertial Barrier System			
694.1000 - a	module - 200 lbs.	<u>1</u>	Each	\$ _____
694.1000 - b	module - 400 lbs.	<u>1</u>	Each	\$ _____
694.1000 - c	module - 700 lbs.	<u>1</u>	Each	\$ _____
694.1000 - d	module - 1400 lbs.	<u>1</u>	Each	\$ _____
694.1000 - e	module - 2100 lbs.	<u>1</u>	Each	\$ _____
SUM OF ALL ITEMS FOR COMPARISON OF BIDS - AREA 4				\$ _____

The "SUM OF ALL ITEMS FOR COMPARISON OF BIDS" will determine the lowest responsible bidder.

Notes:

1. Bid prices are for travel time, mileage and furnishing all labor, tools, traffic controls, all, applicable taxes, fees and equipment necessary for all work shown and called for in accordance with the true intent and meaning of the specifications.
2. Bidder may bid on any or all groups. To be considered, bidder must submit a bid for all items within a group.
3. Any contract which is awarded shall be an open-ended contract since the exact value of work to be performed during the contract period cannot be determined beforehand. The unit price for each item of work on any particular work order shall be that which corresponds to the quantity of work for that item actually performed for each work order.
4. As indicated in the Proposal Schedules, all bid items are divided into payment categories, depending upon the quantities of work. The payment category for each bid item shall be based upon the sum total of all work and materials required to perform the required repairs which are issued on a "single work order." A single work order shall be a work order submitted by the Contractor for work that can be performed by the Contractor without relocating a distance of more than 3,000 feet between any two adjacent repair locations.

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 ROOM 333
KAPOLEI, HAWAII 96707
NOVEMBER 28, 2007 - 9:00 AM

PROJECT: GUARDRAIL REPAIRS AT VARIOUS LOCATIONS

ISLAND OF OAHU

PROJECT NUMBER: HWY-OM-2007-35

Pre-Bid Conference began at 9:05 AM.

Opened pre-bid conference by stating the three open-ended projects.

Also stated there is no set agenda and this conference would field questions about the project.

1. Question: In Section 104, lines 9 & 10, the "pavement marking work shall not include any new (initial) pavement marking construction at any location of the roadways." There seems to be a conflict between this sentence and the work currently being done in the original contract.

Response: This sentence is deleted in Section 104. The pavement repairs contract will put in temporary striping and the permanent striping will be done under the pavement marking contract.

2. Question: On page P-3 of the Special Provisions, the bid security amount is 5% of the total amount bid. Section 110 states that this amount is \$6,250.00 per Area. Which is correct?

Response: The bid security amount should be as stated in Section 110. Page P-3 is corrected in the addendum.

3. Question: Will HWY-OM be providing the variable message boards?

Response: Section 645 will state that arrow boards be included and a line item for this item has been added to the proposal schedule.

4. Question: Suggestion that two line items be added to the proposal schedule – 1) removing temporary tape and 2) removing temporary markers.

Response: These line items will be added to the pavement marking proposal schedule.

5. Question: Will there be Notices to the Public?

Response: Yes, the contractor must notify HWY-OM of his schedule so that the Public Affairs office can put the Notice in the newspaper. The contractor must put up variable message signs at least 24-hours or earlier, before starting work.

6. Question: In the Pavement Repairs project, page 110-1a is not clear whether the AC is included in the reconstruction of weakened areas.

Response: Section 110 will be reworded. For the reconstruction line item, the 1-1/2" AC is included.

7. Question: If work areas are more than 3,000 feet apart or are on opposing traffic lanes, can these work areas be put under separate work orders?

Response: This note will be put in the P-sheets to address this question. "A single work order shall be a work order submitted by the Contractor for work that can be performed by the Contractor without relocating a distance of more than 3,000 feet between any two adjacent repair locations."

8. Question: Do we need Erosion Control or BMPs?

Response: There may 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.

9. Question: The contractors may have problems completing the Hawaii Products Preference sheets. Any suggestions on how to alleviate this?

Response: The Hawaii Products Preference will be deleted.

10. Question: Can a number be placed in the Quantity column of the proposal schedule?

Response: Quantities cannot be determined at this time. Please bid accordingly.

Pre-Bid Conference concluded at 10:25 AM.