

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

FOR

FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
MILE POST 3.50 TO 4.36
PROJECT NO. 93A-02-10M

DISTRICT OF WAIANAE
ISLAND OF OAHU

FY 2010

Amend the bid documents as follows:

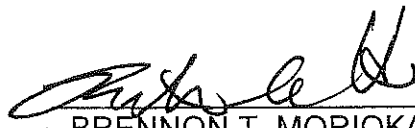
A. **SPECIAL PROVISIONS**

1. Replace Specification Section 616 – Irrigation System dated 5/12/10 with the attached Specification Section 616 – Irrigation System dated 6/15/10
2. Replace Specification Section 619 – Planting dated 5/12/10 with the attached Specification Section 619 – Planting System dated 6/15/10
3. Replace Proposal pages P-10 to P-11 dated 5/12/10 with the attached Proposal pages P-10 to P-11 dated 6/15/10

B. **PRE-BID MEETING**

The meeting minutes for the June 2, 2010 Pre-bid meeting are attached 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.


Brennon T. Morioka, Ph.D, P.E.
Director of Transportation

93A-02-10M

-1-

6/15/10

June 2, 2010 PRE-BID MEETING MINUTES

Subject: FARRINGTON HIGHWAY MEDIAN IMPROVEMENTS
MILE POST 3.50 TO 4.36
PROJECT NO. 93A-02-10M

Attendees: No attendees

The pre-bid meeting was held on June 2, 2010 at 10:00 A.M. at the Department of Transportation, Highways Division, 601 Kamokila Boulevard, Room 609, Kapolei, Hawaii.

No one attended the pre-bid meeting and the meeting was adjourned at 10:20 a.m.

47 Company, Inc., Phone 543-4140, Mobile 354-3034, E-mail
48 anthony.ramelb@heco.com.
49

50 Contractor to maintain irrigation system until completion. Irrigation
51 connection and landscaping in the vicinity of the connection shall be
52 restored to original condition at the completion of the project and subject to
53 approval of Hawaiian Electric Company, Inc.”
54

55 **(V) Amend Section 616.03(B) Responsibility of the Contractor** by adding
56 the following after line 522:
57

58 “(7) Secure all above ground irrigation mainline piping from movement
59 that may occur during operation of the irrigation system. Furnish a
60 copy of the proposed method for securing the pipe to the Engineer
61 for approval before installation.
62

63 (8) Secure piping to bridge using stainless steel anchors. Do not
64 damage any bridge metal reinforcing. Remove piping at completion
65 of project and patch all abandoned holes. Cap the end of the below
66 grade irrigation line and install a concrete valve ‘X’ box at the
67 terminus of the irrigation mainline.”
68

69 **(VI) Amend Section 616.03(D)(2) As-Built Drawings** by revising lines 570 to
70 583 to read as follows:
71

72 “(2) **Post-Construction Drawings.** Field-posted drawings and
73 as-built drawings will not be required for the irrigation
74 system”.
75

76 **(VII) Amend Section 616.03(G)(2) Electric** by revising lines 627 to 628 to
77 read as follow:
78

79 “(2) **Electric.** Electric service is not available.”
80
81

82 **(VIII) Amend Section 616.03(Q) Acceptance** by revising lines 930 to 933 to
83 read as follows:
84

85 “(Q) **Acceptance.** The Engineer will not accept the automatic, temporary
86 above-grade irrigation system until conclusion of the plant establishment
87 period. Remove temporary irrigation system and clean area within two
88 weeks after conclusion of plant establishment period.”
89

90 **(IX) Amend Section 616.04 Measurement** by revising lines 937 to 941 to
91 read as follows:
92

93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127

"616.04 Measurement. Automatic, temporary above-grade irrigation system will be paid on a lump sum basis. Measurement for payment will not apply.

Trench excavation, irrigation sleeve, backfill, pavement replacement and pavement markings will be paid on a lump sum basis. Measurement for payment will not apply."

(X) Amend Section 616.05 Payment by revising lines 943 to 962 to read as follows:

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

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

Pay Item	Pay Unit
Temporary Irrigation System	Lump Sum
Roadway Trench	Lump Sum

Contractor shall install a water submeter at the point of connection and pay for water used until final acceptance of project.

The Engineer will not pay for trench excavation, irrigation sleeve, backfill, pavement replacement and pavement markings separately and will consider the cost of those items as included in the contract price for the Pay Item – Roadway Trench."

END OF SECTION 616

SECTION 619 - PLANTING

Make the following amendments to said Section:

(I) Amend Section 619.02 (A)(4)(e)- Plant Source by adding the following after line 75:

“(e) Plant Source. The source of the ‘Aali’i (*Dodonaea viscosa*) shall be certified in writing to the Engineer by the nursery that it was originally collected from a similar habitat in close vicinity of the project site. Certification letter shall include the site of collection with a location map.

‘Aali’i (*Dodonaea viscosa*) collected from area in the vicinity of the project site is available at the landscape nursery, Hui Ku Maoli Ola, Rick Barboza, 46-403 Haiku Road, Kaneohe, Hawaii 96744, Phone 295-7777.”

(II) Amend Section 619.02 (I)(1) – Wood Chips by revising lines 214 to 216 to read as follows:

“(1) Bark Mulch. Bark mulch must be green material, tree bark, wood chips, shredded bark or either wood chips or tree bark or a combination of both and meets the requirements of table 619.02-1. Cover mulch and wood chips shown on plans shall be considered bark mulch.

TABLE 619.02-1 PHYSICAL REQUIREMENTS FOR BARK MULCH	
Property	Requirement
COLOR	The color is brown to dark brown.
MOISTURE	Moisture content is usually between 35%-55% and has no visible free water.
ODOR	The material shall have an earthy smell, and shall have no unpleasant odor.
ORGANIC CONTENT	The material shall have an organic content of more than 50%.
PARTICLE SIZE	80% of the material shall pass through a screen of 3" or smaller, and no more than 35% shall pass through a screen of 1/2".
PH	The pH shall be from 7.0 to 8.0.
SOLUBLE SALT CONCENTRATE	Shall have a typical electrical conductivity of less than 5 mhos/c.m. (dS/m), with a maximum of 8 mhos/cm. Sodium will be less than 800 p.p.m.
PROCESS CONTROL	The material shall be free of live weed seed or other propagates and shall have reached a temperature of at least 140 degrees Fahrenheit for a minimum of 3 days. Active composting shall occur for 30-60 days at 120 degrees Fahrenheit or higher, with at least 1

	turning per week.
MATURITY/STABLLITY	After active composting of 30-60 days, the material shall be cured for at least 60 days prior to sale.
CONTAMINANTS	Material shall contain less than 5.0% foreign objects such as rock, metal, paper, plastic or glass by weight. The material shall contain less than the maximum level of heavy metals established by EPA 503. The material shall not contain any resin, tannin or other materials in quantities that would be detrimental to plant life, and shall not contain any treated or painted woods.

25
26 Bark mulch may be sampled and tested by the Engineer to ensure compliance
27 with the material requirements.”
28

29 (III) Amend **Section 619.03 (P) - Placing Mulch** by revising lines 426 to 428 to
30 read as follows:
31

32 “(P) **Placing Mulch.** Apply two inches of bark mulch to shrub beds at the time of
33 planting top and other locations as shown on plans. ”
34

35 (IV) Amend **Section 619 - Planting** to read as follows:
36

37 “**619.04 Method of Measurement.** Shrubs and plastic header will be paid on
38 a lump sum basis. Measurement for payment will not apply.
39

40 **619.05 Basis of Payment.** The Engineer will pay for the accepted shrubs
41 and plastic header on a contract lump sum basis. Payment will be full
42 compensation for the work prescribed in this section and the contract documents.
43

44 The Engineer will pay for each of the following items when included in the
45 proposal schedule:
46

47	48 Pay Item	49 Pay Unit
50	'Aali'i (Dodonaea viscosa)	Lump Sum
51	2 Feet Width, 18 Inch Height, 3 Gallon	
52		
53	Bromeliad (Aechmea blanchetiana)	Lump Sum
54	2 ½ Feet Width, 18 Inch Height, 3 Gallon, Orange	
55		
56	Plastic Header	Lump Sum
57		
58	Bark Mulch	Lump Sum
59		
60		

61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79

(A) Partial Payment Schedule For Planting Period With Plant Establishment Period. The Engineer will pay for:

- (1) 60% of the contract bid price upon completion of planting;
- (2) 15% of the contract bid price in three monthly payments of 5% for satisfactory progress during the planting period;
- (3) 20% of the contract bid price in eight monthly payments of 2-1/2% for satisfactory progress during the plant establishment period;
- (4) 5% of the contract bid price at final acceptance of the plant establishment period.

The Engineer will pay for planting soil in accordance with Section 617 - Planting Soil."

END OF SECTION 619

PROPOSAL SCHEDULE

ITEM NO.	ITEM	APPROX. QUANTITY	UNIT	UNIT PRICE	AMOUNT
201.0100	Clearing and Grubbing	L.S.	L.S.	L.S.	_____
209.0100	Installation, Maintenance, Monitoring, and Removal of BMP	L.S.	L.S.	L.S.	_____
209.0200	Additional Water Pollution, Dust, and Erosion Control	F.A.	F.A.	F.A.	15,000.00
603.9000	Clean Existing Culverts	F.A.	F.A.	F.A.	25,000.00
616.1000	Temporary Irrigation System	L.S.	L.S.	L.S.	_____
616.2000	Roadway Trench	L.S.	L.S.	L.S.	_____
618.1000	Soil Preparation	L.S.	L.S.	L.S.	_____
618.2000	Imported Compost	L.S.	L.S.	L.S.	_____
619.1000	'Aali'i (Dodonaea viscosa) 2 Feet Width, 18 Inch Height, 3 Gallon	L.S.	L.S.	L.S.	_____
619.2000	Bromeliad (Aechmea blanchetiana) 2 ½ Feet Width, 18 Inch Height, 3 Gallon, Orange	L.S.	L.S.	L.S.	_____
619.3000	Plastic Header	L.S.	L.S.	L.S.	_____
619.4000	Bark Mulch	L.S.	L.S.	L.S.	_____

641.1000	Hydro-Mulch Seeding (Fimbristylis cymosa)	L.S.	L.S.	L.S.	_____
645.0100	Work Zone Traffic Control	L.S.	L.S.	L.S.	_____
645.0200	Additional Police Officers And Additional Control Devices And Advertisement	F.A.	F.A.	F.A.	10,000.00
648.0100	Field-Posted Drawings	L.S.	L.S.	L.S.	_____
699.1000	Mobilization (Not to Exceed 10 Percent of the Sum of All Items excluding the Bid Price of this Item and Force Account Items)	L.S.	L.S.	L.S.	_____
Sum of All Items					\$ _____
NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.					