STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

ADDENDUM NO. 1
FOR
KUHIO HIGHWAY
RETAINING WALLS AT
LUMAHAI AND WAINIHA
PROJECT NO. 560A-03-96

The following amendments shall be made to the Bid Documents:

A. SPECIAL PROVISIONS

- a. Replace Table of Contents dated 1/02/09 with the attached Table of Contents dated r9/29/09.
- b. Replace Section 507 Textured Concrete Railing dated 01/12/04 with the attached Section 507 Textured Concrete Railing dated r9/29/09.
- c. Replace Section 509 Modular Concrete Block Retaining Wall dated 05/01/09 with the attached Section 509 Modular Concrete Block Retaining Wall dated r9/29/09.

B. PRE-BID MEETING

Attached are the "Minutes of the Pre-Bid Meeting" and Pre-Bid Meeting Attendance Sheet for your information.

C. REQUESTS FOR INFORMATION (RFIs) AND RESPONSES to RFIs

Attached are "Summary of Reponses to RFIs" 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

TABLE OF CONTENTS

Notice to Bidders

Instructions for Contractor's Licensing

Special Provisions Title Page

Special Provisions

| DIVISION 100 - GENERAL PROVISIONS | | | | |
|-----------------------------------|--|------------------|--|--|
| Section | Pages | | | |
| 102 | Bidding Requirements and Conditions | 102-1a – 102-9a | | |
| 103 | Award And Execution Of Contract | 103-1a – 103-4a | | |
| 104 | Scope of Work | 104-1a - 104-2a | | |
| 105 | Control Of Work | 105-1a – 105-3a | | |
| 106 | Control Of Material | 106-1a | | |
| 107 | Legal Relations and Responsibility To Public | 107-1a - 107-13a | | |
| 108 | Prosecution And Progress | 108-1a – 108-4a | | |
| 109 | Measurement And Payment | 109-1a | | |

| DIVISION 200 - EARTHWORK | | | | | |
|---------------------------|--|--------|--|--|--|
| Section Description Pages | | | | | |
| 209 | Temporary Water Pollution, Dust, and Erosion Control | 209-1a | | | |

| DIVISION 400 - PAVEMENTS | | | | | | |
|--------------------------|--------------------------------|-----------------|--|--|--|--|
| Section | Section Description Pages | | | | | |
| 401 | Hot Mix Asphalt (HMA) Pavement | 401-1a – 401-2a | | | | |

| DIVISION 500 - STRUCTURES | | | | |
|---------------------------|---------------------------------------|-----------------|--|--|
| Section Description Pages | | | | |
| 507 | Textured Concrete Railing | 507-1a - 507-3a | | |
| 509 | Modular Concrete Block Retaining Wall | 509-1a - 509-5a | | |

| DIVISION 600 - INCIDENTAL CONSTRUCTION | | | | | | | |
|--|--|--------------------------|--|--|--|--|--|
| Section Description Pages | | | | | | | |
| 602 | Reinforcing Steel | 602-1a | | | | | |
| 606 | 6 Guardrail 606-1a - 606-2a | | | | | | |
| 645 | 45 Work Zone Traffic Control 645-1a | | | | | | |
| 657 | Portable Traffic Signal System 657-1a - 657 | | | | | | |
| 694 | Portable Concrete Barrier and Inertial Barrier System | 694-1a - 694 - 6a | | | | | |
| 699 | Mobilization | 699-1a | | | | | |

| DIVISION 700 - MATERIALS | | | | |
|--------------------------|--|--------|--|--|
| Section | ection Description Pages | | | |
| 772 | Portable Traffic Signal System Materials | 772-1a | | |

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

Proposal Title Page

| Proposal | P-1 – P-12 |
|---------------------------------|------------|
| Proposal Schedule | |
| Supplement to Proposal Schedule | |

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, HRS Compliance Certificate
Certification of Compliance for Final Payment

END OF TABLE OF CONTENTS

| 1 | Amend Section 507 — | - Railings to read as follows: | | | | |
|--|--|--|--|--|--|--|
| 2 3 | "SECTION | ON 507 - TEXTURED CONCRETE RAILING | | | | |
| 4 5 6 7 8 | | his work includes furnishing and installing concrete railings surfaces and staining of the exposed concrete surfaces et. | | | | |
| 9 10 | 507.02 Materials. | Materials shall conform to the following: | | | | |
| 11 12 | | ncrete railings shall have a 28-day compressive strength, ning to Section 601 — Structural Concrete. | | | | |
| 13 14 15 | Reinforcing stee | el shall conform to Section 602 — Reinforcing Steel. | | | | |
| 16 17 18 | | Requirements. The Contractor shall construct the concrete e details shown in the contract and as indicated below. | | | | |
| 19 20 21 | The line and grade of the railing shall be true to that shown in the contract. The Contractor shall not install the railings on concrete foundations until the Contractor has removed the falsework and backfills required are in place. | | | | | |
| 22 23 24 25 26 | Contractor will cast-in The Contractor shall s | shall construct the portion of the concrete railing that the -place according to Section 503 — Concrete Structures. ecure smooth and tight fitting forms so that the Contractor and grade and remove without damage to the concrete. | | | | |
| 27 28 29 30 31 32 33 | roadside and baliner and data seeptance. The pattern at the parties of the pattern at the patter | crete Railing Texturing. The Contractor shall texture the ack faces of the concrete railing using a form liner. Form sheets shall be submitted to the Engineer for review and ne pattern shall reasonably match the existing CRM wall roject work site, and shall be of Fitzgerald Formliner Pattern alent manufacture. | | | | |
| 34 35 36 37 | shall produce a | constructing the permanent concrete railing, the Contractor 3 feet by 3 feet test specimen for approval by the Engineer n contract price and contract time. | | | | |
| 38 39 40 41 42 43 44 45 | railing surfaces produces perma water based for a reaction within the concrete to | shall be stained with a penetrating liquid stain that anent color in the concrete surfaces. The stain shall be a mulation of hydrochloric acid and metallic salts that creates in the concrete substrate. The reaction should slightly etch provide deep and permanent color penetration. Stain data ted to the Engineer for approval. | | | | |

 The concrete surface must be uniformly cleaned, cured and dried as required by the stain manufacturer before applying the stain. The concrete shall be cured for a minimum of 28 days and any membrane curing compounds must be completely removed and surface shall be thoroughly rinsed. Pressure washing may be necessary to clean the concrete surfaces. Acid wash shall not be used to clean the concrete surfaces.

The 3 feet by 3 feet concrete test specimen shall be stained by the Contractor to experiment with the colors and application method. Two or more applications to the concrete surfaces may be required to produce the required color. Color of the concrete surface shall match the color of the existing CRM wall at the project site.

Adjacent areas and vegetation shall be protected during the preparation and application of the stain. Use of the product shall be as recommended by the manufacturer.

507.04 Method of Measurement. Textured concrete railing will be paid on a lump sum basis. Measurement for payment will not apply.

507.05 Basis of Payment. The Engineer will pay for the accepted railing on a contract lump sum basis complete in place.

The price includes full compensation for the concrete; for placing, curing and finishing; for furnishing materials including admixtures and cement; for furnishing and installing reinforcing steel; for furnishing and installing scuppers, forms, form lining and falsework or centering; staining, and for equipments, tools, labor, materials, and incidentals necessary to complete the work.

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

Pay Item Pay Unit

Textured Concrete Railing Lump Sum"

END OF SECTION 507

| 1 | Make this S | ection a part of the Standard Specifications: | | |
|----------------------|-------------|--|--|--|
| 2 | "SE | ECTION 509 - MODULAR CONCRETE BLOCK RETAINING WALL | | |
| 5 | 509.01 Des | cription. This section describes the following: | | |
| 6 7 8 9 | (A) | Furnishing and installing modular block units with fiberglass shear/alignment pins to the lines and grades shown on the construction drawings within reasonable field tolerance and as specified in this section. | | |
| 10 11 12 13 | (B) | Preparing foundation soil, furnishing and installing concrete leveling pad, unit fill and backfill to the lines and grades shown on the construction drawings. | | |
| 14 15 16 17 | (C) | Furnishing and installing geogrid reinforcement and backfill to the lines and grades designated on the construction drawings. | | |
| 17 18 19 20 | (D) | Furnishing and installing subdrain system and drainage holes as designated on the construction drawings. | | |
| 21 | 509.02 Mat | terials. | | |
| 22 23 | (A) | Modular Block Units: | | |
| 24 25 26 27 | | (1) Shall be Standard 21" TriPlane Keystone retaining wall units of approved equal. See Subsection 102.14 for substitution of block units. | | |
| 28 29 30 | | (2) Shall conform to the requirements of ASTM 1372. (3) Color shall be manufacturer's standard color pallette. (4) Face finish shall be sculptured rock face in angular triplanar configuration. | | |
| 32 33 34 | | (5) Bond configuration shall be running bond with ends of blocks located at midpoint of vertically adjacent units in both straight and curved alignments. | | |
| 35 36 | | (6) Exposed surface shall be free of chips, cracks and other imperfections. | | |
| 37 38 | | (7) Alignment and grid positioning shall be by fiberglass pins, two per block unit. | | |
| 39 40 41 | | (8) Compressive strength of block shall be 3000 psi. (9) Width shall be 18", depth shall be 21" and height shall be 8". (10) Unit weight per block shall be between 95 and 125 lbs. | | |
| 42 43 | (B) | Shear Connectors: | | |
| 44 45 | | (1) Shall be 1/2" diameter by 5 1/4" long thermostat isopthalic | | |

90

| 91 | | | U.S. Standard Sieve Size | Percent Passing By Weight |
|------------|------------|--------|--------------------------------------|---------------------------------------|
| 92 | | | | |
| 93 | | | 4 inch | 100 |
| 94 | | | 3 inch | 75 - 100 |
| 95 | | | No. 4 | 20 - 75 |
| 96 | | | No. 40 | 0 - 60 |
| 97 | | | No. 200 | 0 - 15 |
| 98 | | | | |
| 99 | | (2) | Onsite excavated soil is not acce | eptable for use as reinforced |
| 100 | | | backfill. | |
| 101 | | | | |
| 102 | | (3) | Material shall be non-plastic. Pla | asticity Index (PI) as |
| 103 - | | | determined by AASHTO T90 shall be 0. | |
| 104 | | | . * | |
| 105 | | (4) | The fraction finer than 15 micro | ons (0.015 mm) as determined by |
| 106 | | | AASHTO T-88 shall not exceed | 5 percent. |
| 107 | | | • | |
| 108 | | (5) | The material shall exhibit an a | ngle of internal friction of not less |
| 109 | | | than 34 degrees, as determined | l by the standard direct shear test - |
| 110 | | | |), utilizing a sample of the material |
| 111 | | | | STM D-1557, Methods C or D at |
| 112 | | | optimum moisture content. Thi | s sample shall consist of a parallel |
| 113 | | | gradation of material passing the | No. 4 sieve. |
| 114 | | | | |
| 115 | | (6) | The top 3 feet of backfill shall co | ontain sufficient fines (minus No. 10 |
| 116 | | | sieve) to fill the voids in a compa | acted stat e . |
| 117 | , | | | |
| 118 119 | 509.03 Con | struct | ion | |
| 120 | (A) | Conc | rete Leveling Pad: | • |
| 121 122 | | (1) | Place concrete had to the lines | , grades, and dimensions shown on |
| 123 | | (1) | the construction drawings. | , grades, and dimensions shown on |
| 123 | | (2) | Prepare leveling pad to ensure | full contact to the base surface |
| | | (2) | of the modular concrete blocks. | |
| 125 126 | | | of the modular concrete blocks. | |
| 127 | (B) | Modu | lar Concrete Blocks: | |
| 128 | (D) | Wiodu | nai Conorcio Biooks. | |
| 129 | | (1) | Place first course on leveling p | ad and check alignment and level. |
| 130 | | 1.7 | | nent control. Do not attempt to align |
| 131 | | | with the block face due to irregu | - |
| 132 | | (2) | - | full contact with leveling pad and |
| 133 | | (/ | | ps between blocks. Lay out corners |
| 134 | | | and curves in accordance | |
| 135 | | | recommendations. | |
| 120 | | | Jenninen wenter | |

| 136 | | (3) | Place and compact drainage fill within, between, and behind blocks. Place one cubic foot per block of drainage fill within the cores of the |
|------------|-----|-------|---|
| 137 138 | | | blocks and between and behind the blocks. |
| 139 | | (4) | Place and compact backfill material behind the drainage fill. |
| 140 | | | Follow block and drainage fill installation as soon as possible with |
| | | (5) | compacted fill material. Maximum vertical height for installation of |
| 141 | | | drainage and backfill material shall not exceed the height between |
| 142 | | | geogrid fabric or two courses of block, whichever is less. |
| 143 | | | geogra labile of two courses of block, whichever is less. |
| 144 | (C) | Good | erid Fabria |
| 145 | (C) | Geog | grid Fabric. |
| 146 | | (4) | Orient appared fabric with the highest strength axis persondicular |
| 147 | | (1) | Orient geogrid fabric with the highest strength axis perpendicular |
| 148 | | (6) | to the blocks. |
| 149 | | (2) | Place geogrid fabric at the courses as shown on the construction |
| 150 | | | drawings. The fabric shall be attached to the blocks at the shear |
| 151 | | | connectors and pre-tensioned with a minimum load of 1,000 plf prior |
| 152 | | | to placement of drainage and backfill material over the fabric. |
| 153 | | | |
| 154 | (D) | Drain | age and Backfill Material Placement. |
| 155 | | | |
| 156 | | (1) | Place, spread and compact the backfill material in such a manner |
| 157 | | | that minimizes the development of slack and damage to the geogrid |
| 158 | | | fabric. |
| 159 | | (2) | Place and compact drainage and backfill material in lifts not to |
| 160 | | | exceed 6 inches if hand compaction is used or 8 inches if heavy |
| 161 | | | compaction equipment is used. Decrease lift thickness where |
| 162 | | | necessary to achieve required compaction. |
| 163 | | (3) | Backfill material shall be compacted to 95 percent of maximum |
| 164 | | | density as determined by ASTM D 698. The moisture content of the |
| 165 | | | material prior to and during compaction shall be uniformly |
| 166 | | | distributed throughout each layer and shall be within +0 to 3 percent |
| 167 | | | of dry optimum. |
| 168 | | (4) | Only lightweight hand operated compaction equipment shall be used |
| 169 | | ` ' | 3 feet and less from the back end of the blocks. |
| 170 | | (5) | Do not operate tracked construction equipment directly on the |
| 171 | | ` ' | geogrid fabric. A minimum of 6 inches of backfill material is |
| 172 | | | required before tracked equipment is allowed over the geogrid |
| 173 | | | fabric. Turning of tracked equipment shall be kept to a minimum |
| 174 | | | to prevent tracks from displacing backfill material and damaging |
| 175 | | | the geogrid fabric. |
| 176 | | (6) | At the end of each day's operation, the last lift of the backfill materia |
| 177 | | (-, | shall be sloped away from the blocks to direct runoff away from the |
| 178 | | | bocks. Surface runoff from adjacent areas shall not be allowed to |
| 179 | | | enter the modular concrete block wall construction site. |
| 180 | | | and the meaning and the break man contribution of the |
| | | | |
| | | | |
| | | | |

| 181 | (E) | Exca | /ated Material. | |
|---------------------------------|-----------------------|-----------|----------------------------------|--|
| 182 183 184 185 186 | | (1) | backfill material. The unsuital | e project site is unsuitable for use as ole material shall become the property I of the unsuitable material shall be at or contract time. |
| 187 188 189 190 191 | subdrain sy | /stem | | wall, including furnishing and installing vill be paid on a lump sum basis. |
| 191 192 193 194 195 | contract pri | ce per | unit, as shown in the prop | accepted pay items listed below at the osal schedule. Payment will be full on and the contract documents. |
| 196 197 | The Enginee schedule: | er will p | pay for each of the following pa | y items when included in the proposal |
| 198 199 | Pay | ltem | | Pay Unit |
| 200 201 | Mod | ular Co | oncrete Block Retaining Wall | Lump Sum" |
| 202 203 | | | | |
| 204 | | | END OF SECTIO | N 509 |

MINUTES OF PRE-BID MEETING

PROJECT:

Kuhio Highway Retaining Walls at Lumahai & Wainiha

District of Hanalei, Island of Kauai

PROJECT NO.:

560A-03-96

LOCATION:

1720 Haleukana Street

Lihue, Kauai, Hawaii

DATE & TIME:

September 23, 2009 at 9:00 a.m.

IN ATTENDANCE: Stanford Iwamoto

HDOT – HWY-K HDOT – HWY-K

Fred Reyes Bernie Vargas

HDOT – HWY-K

Suzanne Kishimori

Hawaiian Dredging Construction

Jeff Griffin Nick Drury Goodfellow Brothers, Inc. Kiewit Pacific Company

Ralph Cushnie
James Hasenyager

Cushnie Construction Co., Inc. Cushnie Construction Co, Inc.

Dan Kittredge

Earthworks Pacific

George Nishimura

Nishimura, Katayama & Oki, Inc.

The meeting started at 9:00 a.m. HWY-K Project Manager, Stanford Iwamoto, began the meeting with a brief overview of the background and scope of work for the project.

The following questions were presented and responses were made at the meeting:

Question #1: What are the liquidated damages for the project?

Response: Liquidated damages are as shown in Subsection 108.08 of the Special Provisions. In addition, Subsection 108.09 sets a rental fee rate for traffic lane(s) closed to public use beyond the authorized time period.

Question #2: What is the estimated date for start of construction?

Response: Subsection 108.01 normally allows up to 90 calendar days from effective date of contract to NTP date. Due to ongoing negotiations for land acquisition, set-aside, rights-of-entry onto Bishop Estate and DLNR State lands, and a Conservation District Use Application (CDUA) in process, the 90-day period has been extended for up to 240 days. However, if the CDUA and rights-of-entry are obtained earlier, the State will coordinate with the selected Contractor for an NTP date in possibly late spring 2010.

Question #3: Is the 240 days for construction period working or calendar days?

Response: Calendar days.

Question #4: What is the deadline for submittal of Requests for Information (RFI)?

Response: By 4:00 pm September 30, 2009, RFI's should be addressed to Stanford

Iwamoto at Stanford.Iwamoto@hawaii.gov with cc to Fred Reyes at

<u>Fred.Reyes@hawaii.gov</u>. No assurance is given that RFI's submitted after September 29, 2009 will be covered in Addendum No. 1.

Question #5: What is the modular concrete block specified?

Response: The modular concrete block specified in the construction documents is based on the Standard 21" Triplane block by Keystone Retaining Wall Systems, as stated on Plan Sheet 12. This block is manufactured by Tileco, Inc. on Oahu. Tileco, Inc. can be contacted for additional information.

Question #6: What are the limitations for working at night?

Response: Limitations for working at night is specified in Note 17 of the General Notes on Plan Sheet 3.

Question #7: What type of material will be required for structure backfill material? **Response:** Specifications for backfill material is found in the attached Section 509 – Modular Concrete Block Retaining Wall which replaces the previous Section 509.

Question #8: What are the allowable weight limits for the three bridges located between Hanalei Town and the project site?

Response: The posted weight limits for all three bridges is 8 tons. If the contractor wishes to transport heavier loads across the bridges, he will need to complete an application(s) for overweight vehicle/load permit from HDOT-Kauai, and provide the required supporting documentation. The State reserves the right to prohibit crossing of these bridges by vehicles/loads it considers too heavy.

Other matters discussed:

1. Pre-qualification of Materials:

- a. If the bidder desires to use a modular concrete block other than the specified, he will have to submit the substitute block for DOT review and acceptance prior to bid opening date, as stated on Plan Sheet 12.
- b. The form liner requirements have been revised as stated in revised Section 507 of Addendum No. 1. Form liner needs to be accepted by HDOT.
- c. All substitution requests will have to be submitted to HDOT no later than the close of the business day of September 30, 2009. Submittal of substitution requests shall be made in the manner similar to RFIs.

2. Silt Fence:

a. The silt fence must be completed prior to the start of construction. Fall protection for the contractor's employees working on the slope shall be the contractor's responsibility.

3. BMP:

a. The contractor must submit his site-specific BMP plan for review and acceptance by HDOT before start of construction.

4. Agreements and Insurance:

a. The contractor should become familiar with the requirements as set forth in Section 107 of the Special Provisions.

5. Temporary Detour:

One traffic lane must be kept open to traffic for the duration of construction. Traffic-actuated signal lights shall be used to control traffic within the one-lane segment, as described in Section 657 of the Special Provisions.

KUHIO HIGHWAY RETAINING WALLS AT LUMAHAI AND WAINIHA PROJECT NO. 560A-03-96

PRE-BID MEETING - SEPTEMBER 23, 2009

| | | | | | | | • | George Nishimura | DAY KITTEDER | Dames Hasennager | Cabl Carlanie | tred Reyl | BERULE LARGAS | NICK DEMAN | Stanford Imamotic | JEFF PRIFFIN | SUZANINE KISHIMORI | Name |
|--|--|--|--|--|--|--|---|-----------------------|--------------------------|-----------------------|----------------------|--------------------------|--------------------------------|---------------------------|-------------------------------|---------------------------------------|-------------------------|--------------|
| | | | | | | | | NKOL | EMPHAGERS ARIFIC | Commise Gangt to Inc | Cushini Condico | ナシスト | MATUAYS | Kierait Pacific Co. | Highways | GOODFELLOW BROS INS | Howming basoure cousts. | Representing |
| | | | | | | | | 9472908 8th | 6556935 846 | P25E 6919-159 | 645-0955 332-9400 | 141-3017 241-301 | 8106-143 | 241-7574 241-7577 | 241 3015 24 30 N | 241-4601 241- | 483-4270 483-427 | Phone FAX |
| | | | | | | | • | 1 | 896 8808 DAW. A | ተ- | 70 | , | 1 | Ļ | ١. | 4605 JEFFG @ G | 1 | email |
| | | | | And the second s | | | | sten a housing of com | A STOCK WOOK Party . Com | ames & customech. war | also Cuchanie Cinton | tred reyes a hawaii ,494 | MEDIE . P. YAKORS () HAWAY GOS | nick. drung @ Kiewit. som | stantord .m. wampto@hawan.gov | 241. 4605 CEFFG @ MODIFICHON BROS.CO. | skishimor @ hdco.com | |

KUHIO HIGHWAY, RETAINING WALLS AT LUMAHAI AND WAINIHA, Proj. No. 560A-03-96

SUMMARY OF RESPONSES TO REQUESTS FOR INFORMATION (RFIs) RECEIVED BY THE HOOT BEFORE THE END OF BUSINESS DAY RFI SUBMITTAL DEADLINE DATE OF SEPTEMBER 30, 2009.

Question #1 – Plan sheet 14 has a conflict between Station call outs and Plan scale. The distance from Sta. 5+12.60 to Station 5+87.15 is 74 feet and 7 inches; however the plan dimension shows a total of 102 feet. Please clarify which dimension is correct.

Response – The station call outs are correct. The dimensions on Plan sheet 14 should have shown a total length of 74 feet and 7 inches instead of 102 feet between these 2 station call outs.

Question # 2 – Plan sheet 19, detail A, shows the scupper detail. Please clarify if this is the detail for the textured railing shown on the Plan sheet 12.

Response – Detail A for the scupper shown on Plan sheet 19 is the detail to be used for the scupper through the textured railing shown on Plan sheet 12.

Question #3 – Plan sheet 12, detail A, notes GRP under the scuppers. The detail shows the GRP under the 4" diameter drain for the modular block wall. Please clarify if the GRP is only under the scuppers, or is it also under the 4" drains for the modular wall. Response – The GRP is required only under the scuppers.

Question # 4 - Plan sheet 12 shows a 4" subdrain. Please advise if the subdrain is to conform to Standard Spec Section 605 - Underdrains. Also please advise if the subdrain is to run parallel to the wall in addition to perpendicular to the wall.

Response – Subdrains shall be installed in accordance with Section 605 – Underdrains. Excavated trench dimensions shall be 16" by 16" with the subdrain centered in the trench section. This trench was inadvertently omitted in the project plans. Trench material shall be Unit Drainage Fill (Select Granular Material as shown on Plan sheet 12) per Subsection 509.02(E). The subdrain shall run parallel to the wall for its entire length at the rear of the excavated area, and perpendicular through the wall to daylight at approximately 50 feet on center. All subdrain pipes shall be perforated plastic pipe in accordance with Subsections 605.02 and 706.12. Geotextile is not required.

Question # 5 – Regarding the structural excavation for the T-6 railing foundation, is this work incidental to Bid Item 205.0100 or 205.0200.

Response – The structural excavation for the T-6 railing foundation shall be incidental to Bid Item 205.0100.

Question # 6 – Regarding the Inertial Barrier System in Special Provision Section 609, please clarify if this system is the sand barrel type (as seemed to be referenced in 694.02(B) or the type that is attached to the concrete barrier (as seemed to be referenced in either 694.02(B)

Response – The Inertial Barrier System shall conform to the requirements in 694.03(B) or 694.03(B). Submit Inertial Barrier System manufacturer's data sheets to the Engineer for acceptance.