



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 16 STATE HOUSE STATION
 AUGUSTA, MAINE
 04333-0016

JOHN ELIAS BALDACCI
 GOVERNOR

DAVID A. COLE
 COMMISSIONER

August 18, 2010
 Subject: **Naples**
 Federal Project No: BH-A103(000)
 State Pin No: 011060.00
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the bid Documents:

In the Bid Book (pages 4 thru 17), **REMOVE** the “SCHEDULE OF ITEMS”, 14 pages dated 100727 and **REPLACE** with the attached new “SCHEDULE OF ITEMS”, 15 pages dated 100817.

In the Bid Book, after page 57, **ADD** the attached “SPECIAL PROVISION, SECTION 202, REMOVING STRUCTURES AND OBSTRUCTIONS”, 1 PAGE DATED August 18, 2010.

In the Bid Book, after page 103, **ADD** the attached “SPECIAL PROVISION, SECTION 506, POWDER COAT PAINT SYSTEM”, 2 pages dated August 10, 2010.

In the Bid Book (page 139), “SPECIAL PROVISION, SECTION 634, HIGHWAY LIGHTING, (Ornamental Lighting-Cyclone Lighting LED-Installation Only)”, **ADD** the following sentence after the first sentence in paragraph one, “**The contractor shall receive in good condition, store and install the light standards.**” Make this change in pen and ink

In the Plans, SHEET NUMBER 6 of 160, “ESTIMATED QUANTITIES”, Make the following **CHANGES** in pen and ink:

Under Section 0001, **ADD** the following:

	Qty.	Unit
Item 626.22 Non metallic Conduit	400	LF

Under Section 0001, **CHANGE** the following quantities:

	Qty.	Unit
Item 526.325 Concrete Wall with Architectural Finish	750	LF
Item 626.11 Precast Concrete Junction Box	28	EA
Item 626.221 Non metallic Conduit Concrete Encased	5950	LF

Under Section 0002, **DELETE** Item 890.01 – SPECIAL WORK #1 – 1 – LS and **ADD** the following:



PRINTED ON RECYCLED PAPER

603.041	4" PVC SLEEVE	60	EA
603.1311	8" PVC PIPE	471	LF
603.1312	8" 11.25 DEG BEND W/THRUST BLOCK	1	EA
603.1313	8" RESTRAINED END CAP	4	EA
603.1576	12 INCH RESTRAINED END CAP	2	EA
603.157	12 INCH PVC PIPE	2625	LF
603.1572	12" X 12" X 8" TEE	4	EA
603.1573	12"45 DEG BEND W/THRUST BLOCK	4	EA
603.1574	12" 22.5 DEG BEND W/THRUST BLOCK	3	EA
603.1575	12" 11.25 DEG BEND W/THRUST BLOCK	2	EA
822.36	12 INCH DUCTILE IRON PIPE	72	LF
823.31	12 INCH GATE VALVE	9	EA
823.325	8 INCH GATE VALVE	4	EA
823.342	FLUSHING VALVE ASSEMBLY	2	EA
824.30	FIRE HYDRANT	7	EA
890.01	SPECIAL WORK #1 DIRECTIONAL PIPE BORING	1	LS

In the Plans, SHEET NUMBER 71 of 160 (titled "Arch Profile"), under GENERAL CONSTRUCTION NOTES, note number one, **CHANGE** "EL. XX" to read "EL. 271". Make this change in pen and ink.

In the Plans, SHEET NUMBER 110 OF 160, in the Table "SET SCHEDULE", make the following **CHANGES** in pen and ink:

Bar designation: R504-04 change to **R503-04**
R505-05 change to **R503-05**
R506-05 change to **R503-06**

In the Plans, SHEET NUMBER 132 OF 160, **ADD** Note 2 "Concrete internal waler shall be placed on well compacted granular borrow backfill."

In the Plans, SHEET NUMBER 135 OF 160, Under Pre cast Facing Panel **DELETE** the following Note, "*Note: Facing will be bid as an option and may be removed by the Department"

In the Plans, SHEET NUMBER 142 OF 160, **ADD** Note 17. Install 5/8"x8 ft. ground rods at each light pole location with #4 wire Cad-welded to ground rod and connected to ground system. This work is incidental to related contract items.

In the Plans, SHEET NUMBER 142 OF 160, **ADD** the following detail on the plan in Pen and Ink: 1" conduit from Light pole A1 at Station 18+90 Lt back station to Route 35 under the sidewalk.

In the Plans, SHEET NUMBER 143 OF 160, **ADD** the following detail on the plan in Pen and Ink: 1" telephone conduit from service #1 to Station 30+60 Right into cross walk area. Also run 1" conduit from Town dock junction box to same location.

In the Plans, SHEET NUMBER 143 OF 160, **ADD** the following detail in Pen and Ink: From Service #1 run 1.5” conduit to Town dock junction box with a quantity of 5 #10 XHHW solid copper wire.”

The following questions have been received:

Question: Reference SP 105, Is the sheet pile subject to the restriction between 7/15 and 10/1? Parts I & II of the SP contradict each other with regard to the causeway.

Response: Part C. Pile driving and removal is allowed along the causeway anytime.

Question: Reference SP 107, what is the definition of “boat traffic”?

Response: Boat Traffic shall be defined as any vehicle that floats and can traverse across the water.

Question: Reference SP 504, is cold rolled sheet piling acceptable?

Response: Cold rolled sheets will not be accepted.

Question: Reference page 71 of 160 of the plans, General Note 1, what is elevation xx?

Response: See the above change to the plans as addressed in this amendment.

Question: Can water levels be drawn down during off peak time frames?

Response: The water may be drawn down during off peak times. For more information you should contact the Town of Naples.

Question: With regards to the permanent steel sheet pile wall currently specified as PZ 27, I want to confirm that PZC 18 will be an acceptable alternate section as it meets or exceeds all PZ 27 criteria, and is also a domestically produced hot rolled section.

Response: A PZC-18 will be an acceptable alternate section for the PZ-27 that is specified for the sheet pile wall. However, the Contractor will be responsible for all other costs associated with this change where this change affects other wall and project components (i.e. concrete cap, infill concrete, reinf. steel, etc.)

Question: Is the required grade of steel A690?

Response: A690 is the required grade of steel

Question: Is item 526.325 Concrete Wall with Architectural Finish meant to be the method of payment for the concrete wall on top of the bulkhead concrete cap? Is there a Special Provision for this item? Could the Department provide a scope of work associated with this item?

Response: Sections 502, 506 and 507 of the Standard Specifications shall apply to this pay item as well as associated Special Provisions to these sections.

Question: Does item 528.08 Structural Timber Docks include removal /replacement of all floats, guide piles, electrical, plumbing, etc. If so, can existing floats and guide piles be reused?

Response: Yes, the floats are the property of the owners and will be removed by the owners. All electrical and plumbing disconnect and reconnect will be paid for under item 528.08.

Question: Regarding the precast facing panels for the sheet pile wall, the Special Provisions and the drawings indicate a ¼” joint between panels. How are these joints to be sealed? Also, we can find no discussion as to how the infill placement is to be made. This will be an underwater placement. What mix is to be used? What bulkhead spacing is expected?

Response: The joints do not need to be sealed. However, a backer rod will need to be inserted to keep the infill concrete from coming through the gaps. The infill placement needs to be made prior to placing the cap on the sheet pile wall, unless the Contractor has another option. This will need to be trimmed in. It is class S concrete for the infill material. The bulkhead spacing is up to the Contractor.

Question: Item 526.325 Concrete Wall with Architectural Finish 303 LF. We cannot locate any such wall of that length, is this intended to be the retaining walls? Also, where does the concrete wall on top of the sheet pile cap supporting the two and three bar railing pay?

Response: There is 750 lf of wall. Amendment #1 will change this. Details for this are shown on Plan Sheets 139 & 140 and on the Landscaping Plan Sheets 64 thru 66. The concrete cap is under the sheet pile wall item (Bulkhead) 504.93.

Question: Reference Item 528.08, Structural Timber – 3 docks. These docks all have attached floating sections, some of these with timber pile restraints. Is the Contractor responsible for any required modifications to these floating sections and the connecting ramps to the fixed docks? The docks also currently have gazebos on them. Does the rebuild include these structures? What is the required loading/capacity of these docks?

Response: The attached floating sections do not need to be modified; however, all pile restraints shall be replaced due to the existing docks moving further into the lake. Also any

ramp/dock connections that exist now shall be maintained on the new dock/ramp interface. All structures which remain during the off season shall be replaced as part of item 528.08. Design in accordance with Special Provision 528.

Question: The plans indicate sheet pile wall in continuous through the town dock. The detail on sheet 138 indicates that the sheets butt up to the dock. Please advise.

Response: The sheet pile wall will butt into the existing Town Dock.

Question: Same question as above with the railings – the plans show them continuous. What is the detail of the railings at the docks?

Response: The rail will need a gap equal to the existing opening for access to the Town Dock.

Question: Please define the limits of removal of the existing bridge. Although not noted, it appears that the existing fender system is to be removed. Is this removal to be included in the bridge removal item?

Response: The limits of bridge removal shall be from station 18+60 +/- to 19+75 +/- to elevation 255 +/- . The 1950's plans show bottom of footing at elevation 80 (Abut 1) and 81.92 (Abut 2) which is equivalent to elevation 256 +/- .

Question: Please provide a conversion between the 1950's elevation datum and the current datum.

Response: Please see the above answer.

Question: The 1950's drawings of the existing swing bridge indicate that it was constructed over a partially removed preexisting bridge. Notes on the drawings indicate that there may be existing piling under abutment 1 and that abutment 2 was constructed over a partially demolished concrete or masonry structure. As there is no information as to the extent of or the character of the pre 1950's structure, how will the removal of unknown structures be paid?

Response: Any removal of unknown structures, if encountered, will need to be paid for with related contract items or extra work.

Question: Please provide the limits of the existing bridge removal.

Response: The limits of bridge removal shall be from station 18+60 +/- to 19+75 +/- to elevation 255 +/- . The 1950's plans show bottom of footing at elevation 80 (Abut 1) and 81.92 (Abut 2) which is equivalent to elevation 256 +/-.

Question: Item #507.0841, Steel Pipe Hand Railing, Three Bar & Two Bar, I cannot find any details or Specs on this item. Please provide location, pipe size and anchorage options. Are any expansion joints required? May railings be fabricated out of galvanized pipe and welded joints painted after fabrication or all galvanized after fabrication?

Response: Details are shown on Plan Sheets 64 – 66 and 139 – 141. Sections 507 of the Standard Specifications apply to fabrication (www.maine.gov/mdot/contractor-consultant-information). No joints are required. All shall be galvanized after fabrication.

Question: We cannot find item 502.56, Concrete Fill, 100 CY shown anywhere in the plans. Where is this item to be used?

Response: The concrete fill item shall be used to back up the granite curb. See note #51 on Plan Sheet 9.

Question: Project Special Provisions require the Structural Timber (528.10), catch basin & outlet pipe, and bulkhead Sta. 24+00 to 32+30 be completed by 5.15.11. This seems like it is in direct conflict with the Environmental Requirements, which state that “In-water work shall not be allowed between the dates of October 2 and July 14th. Can you elaborate on this?

Response: Part I of Section 105, Section C allows causeway pile driving anytime. Section 107 limits the work to be completed by 5/15/2011.

Question: There is an exception to the above that says “Pile driving & removal is allowed along the causeway at any time”. Does this mean that sheet pile could be installed?

Response: Yes , see above.

Question: Paragraph V in the same section says that all activities are prohibited, except work within the cofferdam. Can the bulkhead be considered as a cofferdam?

Response: Part I governs.

Question: The schedule of items has a section 2, which is for Special Work; fire suppression system. Should we include a lump sum amount for this work as a bid item? The Notice to Contractors says the basis of awards is section 1 only.

Response: Yes, a number is necessary for this section.

Consider this change and information prior to submitting your bid on August 25, 2010.

Sincerely,

A handwritten signature in blue ink, appearing to read "Scott Bickford". The signature is stylized and cursive.

Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 011060.00

PROJECT(S): BH-A106(000)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 MAIN ITEMS						
0010	201.23 REMOVING SINGLE TREE TOP ONLY	3.000 EA				
0020	201.24 REMOVING STUMP	3.000 EA				
0030	202.15 REMOVING MANHOLE OR CATCH BASIN	23.000 EA				
0040	202.19 REMOVING EXISTING BRIDGE	LUMP	LUMP			
0050	202.202 REMOVING PAVEMENT SURFACE	2350.000 SY				
0060	203.20 COMMON EXCAVATION	14300.000 CY				
0070	203.2312 HEALTH AND SAFETY PLAN	LUMP	LUMP			
0080	203.2333 DISPOSAL OF SPECIAL EXCAVATION	75.000 T				
0090	203.24 COMMON BORROW	3000.000 CY				
0100	203.25 GRANULAR BORROW	9250.000 CY				

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CONTRACT ID: 011060.00

PROJECT(S): BH-A106(000)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	50.000 CY				
0120	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	50.000 CY				
0130	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	2600.000 CY				
0140	304.09 AGGREGATE BASE COURSE - CRUSHED	6000.000 CY				
0150	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	9000.000 CY				
0160	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	1450.000 T				
0170	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	850.000 T				
0180	403.213 HOT MIX ASPHALT 12.5 MM BASE	3300.000 T				
0190	409.15 BITUMINOUS TACK COAT - APPLIED	850.000 G				
0200	411.12 CRUSHED STONE SURFACE	19.000 T				
0210	501.231 DYNAMIC LOADING TEST	4.000 EA				

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	501.50 STEEL H-BEAM PILES 89 LBS/FT, DELIVERED	3360.000 LF				
0230	501.501 STEEL H-BEAM PILES 89 LBS/FT, IN PLACE	3360.000 LF				
0240	501.90 PILE TIPS	64.000 EA				
0250	501.91 PILE SPLICES	32.000 EA				
0260	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP	LUMP			
0270	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP	LUMP			
0280	502.229 STRUCTURAL CONCRETE ABUTMENTS AND RETAINING WALL UNDER WATER	LUMP	LUMP			
0290	502.35 STRUCTURAL CONCRETE, STAMPED COLORED CONCRETE PAVEMENT	700.000 SY				
0300	502.38 STRUCTURAL CONCRETE ARCH TYPE	LUMP	LUMP			
0310	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP	LUMP			
0320	502.56 CONCRETE FILL	100.000 CY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	318100.000 LB				
0340	503.13 REINFORCING STEEL, PLACING	318100.000 LB				
0350	504.93 BULKHEAD	LUMP	LUMP			
0360	507.0834 WYOMING STEEL BRIDGE RAILING MODIFIED	LUMP	LUMP			
0370	507.0841 STEEL PIPE HAND RAILING THREE BAR	LUMP	LUMP			
0380	507.0841 STEEL PIPE HAND RAILING TWO BAR	LUMP	LUMP			
0390	508.13 MEMBRANE WATERPROOFING	LUMP	LUMP			
0400	511.07 COFFERDAM: ABUTMENT NO.1	LUMP	LUMP			
0410	511.07 COFFERDAM: ABUTMENT NO.2	LUMP	LUMP			
0420	512.081 FRENCH DRAINS	LUMP	LUMP			
0430	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	515.20 PROTECTIVE COATING FOR CONCRETE SURFACES	320.000 SY				
0450	526.325 CONCRETE WALL WITH ARCHITECTURAL FINISH	750.000 LF				
0460	526.34 PERMANENT CONCRETE TRANSITION BARRIER	4.000 EA				
0470	528.08 STRUCTURAL TIMBER 3 DOCKS	LUMP	LUMP			
0480	534.10 PRECAST CONCRETE FACING	LUMP	LUMP			
0490	603.157 12 INCH PVC PIPE	140.000 LF				
0500	603.159 12 INCH CULVERT PIPE OPTION III	88.000 LF				
0510	603.167 15 INCH POLYVINYLCHLORIDE (PVC) PIPE	46.000 LF				
0520	603.169 15 INCH CULVERT PIPE OPTION III	95.000 LF				
0530	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	592.000 LF				
0540	603.179 18 INCH CULVERT PIPE OPTION III	37.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0550	603.199 24 INCH CULVERT PIPE OPTION III	64.000 LF				
0560	604.072 CATCH BASIN TYPE A1-C	30.000 EA				
0570	604.092 CATCH BASIN TYPE B1-C	1.000 EA				
0580	604.14 30 INCH CATCH BASIN TYPE E	4.000 EA				
0590	604.2413 CONCRETE SIDEWALK CULVERT	2.000 EA				
0600	604.244 CATCH BASIN TYPE F4	10.000 EA				
0610	604.246 CATCH BASIN TYPE F5	1.000 EA				
0620	604.248 CATCH BASIN TYPE F6	1.000 EA				
0630	605.09 6 INCH UNDERDRAIN TYPE B	2334.000 LF				
0640	605.11 12 INCH UNDERDRAIN TYPE C	2655.000 LF				
0650	605.12 15 INCH UNDERDRAIN TYPE C	618.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0660	605.13 18 INCH UNDERDRAIN TYPE C	96.000 LF				
0670	605.15 24 INCH UNDERDRAIN TYPE C	199.000 LF				
0680	605.39 UNDERDRAIN DITCH SOIL FILTER	LUMP	LUMP			
0690	606.1721 BRIDGE TRANSITION - TYPE 1	1.000 EA				
0700	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	150.000 LF				
0710	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	2.000 EA				
0720	606.79 GUARDRAIL 350 FLARED TERMINAL	1.000 EA				
0730	608.08 REINFORCED CONCRETE SIDEWALK	1650.000 SY				
0740	608.08 REINFORCED CONCRETE SIDEWALK COLORED	50.000 SY				
0750	608.26 CURB RAMP DETECTABLE WARNING FIELD	96.000 SF				
0760	609.11 VERTICAL CURB TYPE 1	4735.000 LF				

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CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	57.000 LF				
0780	609.131 VERTICAL BRIDGE CURB TYPE A	63.000 LF				
0790	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	26.000 EA				
0800	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	73.000 EA				
0810	609.34 CURB TYPE 5	335.000 LF				
0820	609.35 CURB TYPE 5 - CIRCULAR	68.000 LF				
0830	610.08 PLAIN RIPRAP	350.000 CY				
0840	610.16 HEAVY RIPRAP	20.000 CY				
0850	610.18 STONE DITCH PROTECTION	60.000 CY				
0860	613.319 EROSION CONTROL BLANKET	300.000 SY				
0870	613.40 TURF REINFORCEMENT MAT - (TRM)	100.000 SY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0880	615.07 LOAM	1300.000 CY				
0890	616.08 SODDING	2500.000 SY				
0900	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	18.000 UN				
0910	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	30.000 UN				
0920	619.1201 MULCH - PLAN QUANTITY	48.000 UN				
0930	619.1401 EROSION CONTROL MIX	10.000 CY				
0940	620.54 STABILIZATION GEOTEXTILE	500.000 SY				
0950	621.053 EVERGREEN TREES (10 FOOT - 12 FOOT) GROUP B	1.000 EA				
0960	621.101 PLUG/ STARTER PLANT	2400.000 EA				
0970	621.121 SMALL DECIDUOUS TREES (5 FOOT - 6 FOOT) GROUP B	12.000 EA				
0980	621.273 LARGE DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	12.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0990	621.28 LARGE DECIDUOUS TREE (2.50 INCH - 3 INCH CALIPER) GROUP B	18.000 EA				
1000	621.281 LARGE DECIDUOUS TREE (2.50 INCH - 3 INCH CALIPER) GROUP C	12.000 EA				
1010	621.292 LARGE DECIDUOUS TREE (3.50 INCH - 4 INCH CALIPER) GROUP B	18.000 EA				
1020	621.54 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP A	32.000 EA				
1030	621.541 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP B	138.000 EA				
1040	621.542 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP C	96.000 EA				
1050	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	60.000 EA				
1060	621.553 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP B	9.000 EA				
1070	621.558 DECIDUOUS SHRUBS (4 FOOT - 5 FOOT) GROUP A	24.000 EA				
1080	621.559 DECIDUOUS SHRUBS (4 FOOT - 5 FOOT) GROUP B	9.000 EA				
1090	621.661 VINES (18 INCH - 24 INCH) GROUP B	3.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1100	621.71 HERBACEOUS PERENNIALS GROUP A 1 GAL CONT.	600.000 EA				
1110	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
1120	626.11 PRECAST CONCRETE JUNCTION BOX	28.000 EA				
1130	626.22 NON-METALLIC CONDUIT	400.000 LF				
1140	626.221 NON-METALLIC CONDUIT CONCRETE ENCASED	5950.000 LF				
1150	626.31 18 INCH FOUNDATION	21.000 EA				
1160	626.32 24 INCH FOUNDATION	22.000 EA				
1170	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	11000.000 LF				
1180	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	2200.000 SF				
1190	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP			
1200	629.05 HAND LABOR, STRAIGHT TIME	25.000 HR				

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			DOLLARS	CTS	DOLLARS	CTS
1210	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25.000 HR				
1220	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	25.000 HR				
1230	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR				
1240	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	10.000 HR				
1250	631.22 FRONT END LOADER (INCLUDING OPERATOR)	25.000 HR				
1260	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR				
1270	634.16 HIGHWAY LIGHTING	LUMP	LUMP			
1280	634.70 ORNAMENTAL LIGHTING CYCLONE LIGHTING LED INSTALL ONLY	43.000 EA				
1290	634.70 ORNAMENTAL LIGHTING LIGHTED BOLLARD INSTALL ONLY	4.000 EA				
1300	638.01 EMBEDDED WORK IN STRUCTURE	LUMP	LUMP			
1310	639.18 FIELD OFFICE TYPE A	1.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1320	652.311 TYPE II BARRICADE	5.000 EA				
1330	652.312 TYPE III BARRICADE	2.000 EA				
1340	652.33 DRUM	25.000 EA				
1350	652.34 CONE	75.000 EA				
1360	652.35 CONSTRUCTION SIGNS	600.000 SF				
1370	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP			
1380	652.38 FLAGGER	9000.000 HR				
1390	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
1400	658.20 ACRYLIC LATEX COLOR FINISH, GREEN	20.000 SY				
1410	659.10 MOBILIZATION	LUMP	LUMP			
1420	660.21 ON-THE-JOB TRAINING (BID)	2000.000 HR				
	SECTION 0001 TOTAL					.

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 011060.00

PROJECT(S): BH-A106(000)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0002 OPTION NO.1 - FIRE SUPPRESSION SYSTEM

1430	603.041 4" PVC SLEEVE	EA	60.000				
1440	603.1311 8 " PVC PIPE	LF	471.000				
1450	603.1312 8 INCH 11.25 DEGREE WITH THRUST BLOCK	EA	1.000				
1460	603.1313 8 INCH RESTRAINED END CAP	EA	4.000				
1470	603.157 12 INCH PVC PIPE	LF	2625.000				
1480	603.1572 12 INCH X 12 INCH X 8 INCH TEE	EA	4.000				
1490	603.1573 12 INCH 45 DEGREE WITH THRUST BLOCK	EA	4.000				
1500	603.1574 12 INCH 22.5 DEGREE WITH THRUST BLOCK	EA	3.000				
1510	603.1575 12 INCH 11.25 DEGREE WITH THRUST BLOCK	EA	2.000				
1520	603.1576 12 INCH RESTRAINED END CAP	EA	2.000				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 011060.00

PROJECT(S): BH-A106(000)

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1530	822.36 12 INCH DUCTILE IRON PIPE	72.000 LF				
1540	823.31 12 INCH GATE VALVE	9.000 EA				
1550	823.325 8 INCH GATE VALVE	4.000 EA				
1560	823.342 FLUSHING VALVE ASSEMBLY	2.000 EA				
1570	824.30 FIRE HYDRANT	7.000 EA				
1580	890.01 SPECIAL WORK #1 DIRECTIONAL PIPE BORING	LUMP	LUMP			
	SECTION 0002 TOTAL					
	TOTAL BID					

**Naples
Naples Bay
BH-A106(000)
PIN 011060.00
August 18, 2010**

**SPECIAL PROVISION
SECTION 202
REMOVING STRUCTURES AND OBSTRUCTIONS**

The removal of the existing operator house in its entirety shall be included under Pay Item 202.19. This work shall include but not be limited to all electrical lines and services, hydraulic lines and services, foundations, stop gate, safety gates, and all other incidentals associated with the building.

SPECIAL PROVISION 506
POWDER COAT PAINT SYSTEM

506.01 Description. The work shall consist of applying A two-step zinc primer and polyester finish coat powder coat paint system to the steel bridge rail and steel hand rails to be used on the project and as shown on the plans. The PCP shall be applied to all surface areas indicated on the plans or as directed by the resident.

506.41 Materials. The PCP powder coat paint system shall meet the following requirements:

Property	Two-Coat Test Property
Film thickness	2.4-2.6mu/60+/-5mu Primer/2.4-2.6mu/60+/-5mu Topcoat
Cure cycle	Full cure 10 min 392F/200C/Primer 2 mins 392F/200C
	Primer & Topcoat 10 min 392F/200C
Impact Test 1/10in ISO 6272	Up to 40 lbsin/lbs

The Contractor shall supply certified copies of all test results to the Engineer. The test results shall include the lot number tested, date, test method and testing agency. The tests shall have been performed within 12 months of the beginning of work.

The Contractor shall provide to the Engineer Certified Mill Test Reports for the material to be coated prior to beginning the coating process.

Prior to shipment, the applicator shall furnish written certification that the coated pieces meet the requirements of this Specification.

506.42 Notice. The Contractor shall notify the Engineer at least ten days prior to beginning coating. Steel coated without the Q.A.I. being present shall be subject to rejection.

506.43 Surface Preparation. All butt welds shall be ground flush prior to abrasive blast cleaning. The steel shall be abrasive blast cleaned to the requirements of SSPC SP10/NACE No.2, Near White Metal Blast with a 1.5 to 3 mil profile. SSPC VIS. 1 shall be used to determine acceptable cleanliness. The Q.C.I. and Q.A.I. shall evaluate the first piece using VIS 1 as a comparator. No further blast cleaning shall be done until the Q.C.I. and Q.A.I. agree upon the acceptable Job Standard for cleanliness. If more than one method of abrasive blast cleaning is used (e.g. centrifugal blast and compressed air), the acceptable Job Standard shall be established for each method.

506.44 Application(s). The PCP system shall be applied and cured in accordance with the applicable ASTM Standard and the manufacturer's published data sheet. Powdercoat paint system application shall be 3 mils zinc powder primer coat followed by RAL standard polyester powder top coat 2 to 3 mils color as approved by resident.

| 506.45 Inspection. The DFT shall be measured using a fixed-probe or magnetic pull-off gauge that is calibrated and operated in accordance with SSPC PA 2. The testing procedure and reporting shall be in accordance with ASTM G 12. The frequency of testing shall be each piece coated unless a lesser frequency of testing is directed by the Engineer.

Holiday detection shall be performed in accordance with the applicable ASTM Standard.

Holiday repairs shall be done in accordance with the applicable ASTM Standards and the manufacturer's published data sheet. If a conflict between the Standard and manufacturer's published data sheet, the Engineer shall determine which shall apply.

506.46 through 506.50 Vacant.

DRY POWDER (POLYESTER) COATING

506.51 Application Requirements. The requirements for polyester coating shall be the same as for FBE.

506.52 Through 506.59 vacant.

506.61 Basis of Payment All work for Protective Coating will be incidental to and paid for under the associated respective rail items items. Payment will be full compensation for all work and materials needed to complete the item; coating and cleaning materials, staging or accessing, testing, labor, surface preparation, cleaning, application, curing and repairs to coating.