

Scope or Work

The Damage Validation and Repair of Embarcadero Lago Dos Bocas (#PW 8361) / 86681 Project includes Damage Incident #220569 and is categorized as a FEMA Public Assistance Category E – Buildings and Contents, permanent, long-term recovery work type project. Permanent Work Category E consists of the work required to restore a facility to its pre-disaster design size, capacity, and function in accordance with applicable codes and standards. Pre-disaster design means the size or capacity of a facility as originally constructed or subsequently modified. It does not mean the capacity at which the DTOP was using or had custody of the facility at the time of the incident if different from the most recent designed capacity. Pre-disaster function is the function for which the facility was originally designed or subsequently modified. FEMA provides funding to restore facilities based on pre-disaster design and function in conformity with current applicable codes, specifications, and standards. All Damage Incidents will start at the same time and run concurrently until each is individually completed.

The Project is described as the Validation of Damages and Reconstruction of the Dos Bocas Pier. The *Embarcadero Lago Dos Bocas* consists of three (3) concrete buildings, three (3) wooden viewpoints and a small floating dock for boats. During Hurricane Maria, this facility received damage due to strong hurricane-force winds, wind-driven rains, and flooding. Floodwaters rose to about 20 feet, flooding the entire first floor and rising up to 5 feet on the second floor, damaging the electrical system on both floors, among other damage.

Validation of the damages occurred in the installation and repair of all facilities is requested and alternative construction of mitigation works will also be considered, (refundable with funds from section #406), in order to resist the strong pressures of the wind and resist the damage caused by high wind speeds, the proposed mitigation includes strengthening the metal roof panels by increasing the size of the material and improving the fastening system. It was also proposed to install additional C-shaped "purlins" to minimize damage and losses due to strong winds, and a new anchoring system for the communication antenna. Refer to the scope of work of the project.

Scope of Work (SOW) - Embarcadero del Lago Dos Bocas, Utuado, PR

SPECIAL NOTE: DTOP includes the available design documents (Drawings Plans) used by the Agency for the construction of the project Embarcadero Lago Dos Bocas. These documents will be used as a reference only for the repair or replacement of the Embarcadero Lago Dos Bocas, located in Utuado, PR. The drawings plans pages are being mentioned as a reference in the Bid Form's Descriptions and/or Notes to address the damage caused to the structures as a result of Hurricane Maria, FEMA DR-4339-PR. Specifically, the descriptions of the materials or products to be replaced or repaired, and the installation notes included in the drawings plans included will be the reference to be used by the Proponent or Proposer of the project to submit the Unit Costs required by the DTOP. If not specified in the RFP Documents, the new materials and works required in each Item's Description must be equal or similar to the ones mentioned in the Notes of the Scope of Work. Prior to the execution of works, all materials, methods of repairs (MOR) and or installations will need to be submitted for approval by DTOP or its Authorized Representative.

PW 8361, Damage 220569; Embarcadero Lago Dos Bocas

ITEM #	DESCRIPTION	NOTES (Where applicable, the Pages and/or Details of the reference plans are being mentioned to facilitate the specifications for the required materials or products. Approved equal or similar materials and/or products can be used with the DTOP approval. The installation of the materials or product must be in accordance with the manufacturer's recommendations and in compliance with the State and Federal Codes.)
	<ul style="list-style-type: none">• Title as per FEMA Documents; (marked in bold text)• Title as per Reference Drawings; (marked in regular text)	
PW 8361, Damage 220569; Embarcadero Lago Dos Bocas (Part A)		
	Ballroom Building/Building 3	
1	Replace wood casement windows with jalousie	For details see page 127 of 181 (A3/12) Window Types Detail C and all other related details. See page 115 of 181 (A3/02) for location.
2	Remove and replace wood casement windows with jalousie	For details see page 127 of 181 (A3/12) Window Types Detail C and other related details. See page 115 of 181 (A3/02) for location.
3	Remove and replace pivot double wood doors	For details see page 127 of 181 (A3/12) Door Types Detail C and other related details. See page 114 of 181 (A3/01) for location.
4	Prepare and paint exterior surface	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.

5	Remove and replace wall framing and gypsum board	East side wall of room 301, information center (between information center and stairs). For details see reference documents. See page 117 of 181 (A3/04)
6	Remove and replace wood ceiling panels	45ft x 45ft on the 1st floor (3/8in. Pine Pressure-Treated Plywood)
7	Prepare and paint interior surface	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
8	Remove and replace pendant lights	1st floor: For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation H and other related details. See page 172 of 181 (E/08) for locations.
9	Remove and replace electrical panel door	2ft wide x 4ft high, 2nd floor. See page 175 of 181 (E/11) for Electrical Notes and Panel Schedule.
10	Replace electrical system wiring	Wire gauge equal to existing. See page 172 of 181 (E/08) for Electrical Floor Plan. The 200 LF are distributed in different sections (locations)
11	Remove and replace electrical duplex outlets	1st Floor, equal or similar to existing (duplex convenience receptacle, 20A/125V, Grounding Type)
12	Remove and replace ceiling fans	1st floor, for details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation V1 and other related details. See page 172 of 181 (E/08) for location.
13	Remove and replace exit sign	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation E and other related details. See page 172 of 181 (E/08) for location.
14	Remove and replace vertical platform lifts	Equal or similar to existing (Porch-Lift, 750 lbs. rated load) See page 114 of 181 (A/3) for location and page 1 of 3 (AD/01) note 12 for more details.
	Gazebo 1/Resting Area 1	
15	Remove and replace corrugated metal roof panels.	For details see page 49 of 181 (AS/13) STEEL DECK (ROOF) NOTES/EMBARCADERO LAGO DOS BOCAS and all other related details.
	Gazebo 2/Gazebo 3	

16	Remove and replace corrugated metal roof panels	45ft long x 25ft wide, for details see page 46 of 181 (AS/10) Steel Deck (roof) Notes and all other related details.
17	Remove and replace Roadway wall mounted light fixture	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation S and all other related details. See page 167 of 181 (E/03) for location.
18	Remove and replace spotlight mount wall sconce.	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation *T and all other related details. See page 174 of 181 (E/10) for location.
	Office Building/Building 2	
19	Replace wood casement windows with jalousie	For details see page 110 of 181 (A2/18) Window Types Detail B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
20	Replace wood jalousie window	For details see page 110 of 181 (A2/18) Window Types Detail B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
21	Remove and replace wood door with rails	For details see page 110 of 181 (A2/18) Door Types Detail C and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
22	Remove and replace entrance wood doors	For details see page 110 of 181 (A2/18) Door Types Detail A & B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
23	Remove and replace double wood doors	For details see page 110 of 181 (A2/18) Door Types Detail A & B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
24	Remove and replace corrugated metal siding	Galvanized Steel "S" Deck, 3ft wide x 8ft high at north entrance. See page 101 of 181 (A2/10) wall sections for more details.
25	Remove and replace door lintel plaster	6ft long x 1.5ft wide at 1st floor entrance beneath exterior stairs
26	Replace wood doors	For details see page 110 of 181 (A2/18) Door Types Detail A & B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.

27	Remove and replace wood ceiling panels	43ft long x 16ft wide. See page 29 of 181 (GI/01) for ceiling finishes.
28	Prepare and paint interior surface	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
29	Remove and replace pendant lights	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation M and all other related details. See page 173 of 181 (E/09) for locations.
30	Remove and replace single light cylinder wall mount light fixtures	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation K and all other related details. See page 173 of 181 (E/09) for locations.
31	Remove and replace electrical switches	Equal or similar to existing (Single pole switch, 15A/125V, for incandescent, 15A/277V for fluorescent). See page 173 of 181 (E/09) for locations.
32	Remove and replace electrical duplex outlets	Equal or similar to existing (duplex convenience receptacle, 20A/125V, Grounding Type). See page 173 of 181 (E/09) for locations.
33	Remove and replace wooden office reception at 1st floor (Replace Concession cabinets)	For details see page 105 of 181 (A2/14) Partial Blow - up Plan - Detail "A" Concession A2-05 and all other related details.
34	Replace electrical system wiring	Wire gauge equal to existing. See page 172 of 181 (E/08) for Electrical Floor Plan. The 320 LF are distributed in different sections (locations)
35	Remove and replace ceiling fans	1st floor, for details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation V and all other related details. See page 173 of 181 (E/09) for locations.
36	Remove and replace exit sign	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation E and all other related details. See page 173 of 181 (E/09) for locations.
37	Remove and replace vertical platform lifts	Equal or similar to existing (Porch-Lift, 750 lbs rated load). See page 93 of 181 (A2/02) for location.

38	Remove and replace window air conditioner	10,000 BTU, for northwest office at 2nd floor
39	Remove and replace window air conditioner	9,000 BTU, for East Side offices at 2nd floor
40	Remove and replace radio antenna	30ft high, equal, or similar to existing
	Pier Area/Dock	
41	Remove and replace wooden cladding slat	For details see page 60 of 181 (AS/22) Detail 2 and all other related details.
42	Remove and replace wood joint in floating pier	70ft x 1ft wide x 1.5in (4 - 3in x 12in & 2 - 2in x 12in)
	Restrooms and Kitchen/Building 1	
43	Prepare and paint exterior surface	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
44	Remove and replace wood jalousie windows	For details see page 90 of 181 (A1/12) Window Types Detail B and all other related details. See page 79 of 181 (A1/01) for location and page 29 of 181 (GI/01) for finishes.
45	Remove and replace wood door	Kitchen entrance door. For details see page 90 of 181 (A1/12) Door Types Detail C and all other related details.
46	Remove and replace wood door	Kitchen bathroom door. For details see page 90 of 181 (A1/12) Door Types Detail C and all other related details.
47	Remove and replace electrical duplex outlets	Equal or similar to existing (duplex convenience receptacle, 20A/125V, Grounding Type). See page 171 of 181 (E/07) for locations.
48	Remove and replace toilet tank repair kits	Kit to be equal or similar to existing include toilet seat equal or similar to existing solid plastic Black seat with open front and check hinge. For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM EQUIPMENT SCHEDULE and all other related details.

49	Remove and replace urinal flush valve	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM EQUIPMENT SCHEDULE No. P-3 for urinal details and all other related details.
50	Remove and replace wall mirror	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM ACCESORY SCHEDULE No. 6 and all other related details.
51	Remove and replace stainless-steel bathroom partition	handicap partition, for details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM ACCESORY SCHEDULE No. 7 and all other related details.
52	Remove and replace kitchen wood cabinet	For details see page 89 of 181 (A1/11) Employees' Area - Detail "Y" and all other related details.
53	Remove and replace kitchen wood wall cabinet	For details see page 89 of 181 (A1/11) Employees' Area - Detail "Y" and all other related details.
	Site	
54	Remove and replace 3-phase main disconnect switch	For details see page 166 of 181 (E/02) Electrical Single Line Diagram Description 15 and all other related details.
55	Remove and replace outdoor lighting fixture	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation Q and all other related details.
56	Remove and replace masonry wall	30ft wide x 4ft high at tank area. For details see see attachment in the reference documents.
57	Prepare and paint oil tank area surfaces	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
58	Repair metal gates	2.5ft wide x 4ft high, to access tank area. Gates are located at tank area.
59	Remove and replace outdoor pathway lights	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation S and all other related details.
60	Remove and replace concrete bench	4ft long x 2ft wide x 2ft high, near access stairs from workshop to small gazebo area

	Warehouse/Building 1	
60	Remove and replace wood folding door	For details see page 90 of 181 (A1/12) Door Types Detail A and all other related details. See page 79 of 181 (A1/01) for location.
61	Prepare and paint exterior surface	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
62	Prepare and paint interior surface	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
63	Rebuild wood framed wall and plywood panels	6ft long x 8ft high (use treated wood panel 5/8" thick and 2in x 4in wood timber.
64	Remove and replace electrical switches	Equal or similar to existing (Single pole switch, 15A/125V, for incandescent, 15A/277V for fluorescent) See page 171 of 181 (E/07) for locations..
65	Remove and replace electrical duplex outlets	Equal or similar to existing (duplex convenience receptacle, 20A/125V, Grounding Type). See page 171 of 181 (E/07) for locations.
66	Replace 1 each of electrical wiring	Wire gauge equal to existing. See page 172 of 181 (E/08) for Electrical Floor Plan. The 250 LF are distributed in different sections (locations)
67	Remove and replace fluorescent light fixture	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation D and all other related details. See page 171 of 181 (E/07) for locations.
68	Remove and replace electrical panel	For details see page 175 of 181 (E/11) Panel Schedule Designation Type "C" and all other related details.
69	Remove and replace main distribution panel	For details see page 175 of 181 (E/11) Panel Schedule Designation Type "MDP" and all other related details.
	Workshop	

70	Remove and replace barn wall mounted light fixtures	Equal or similar to existing. For details and location see picture provided in the reference documents.
71	Remove and replace galvanized steel roof flashing	Equal or similar to existing. For details and location see picture provided in the reference documents.
Embarcadero Lago Dos Bocas, Other Items (Part B)		
	DESCRIPTION	NOTES
	Ballroom Building/Building 3	
72	Remove and replace ceiling fans	2nd floor, for details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation V1 and all other related details. See page 172 of 181 (E/08) for location.
73	Remove and replace wood casement windows with jalouse	For details see page 127 of 181 (A3/12) Window Types Detail C and all other related details. See page 115 of 181 (A3/02) for location.
74	Remove and replace pendant lights	1st floor: For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation H and all other related details. See page 172 of 181 (E/08) for locations.
75	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations. This item doesn't consider quantities of item 11 to prevent duplicity of costs.
	Gazebo (between Tank area and Ballroom Building)/Resting Area 2	
76	Install lights on top of wood columns	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation *T and all other related details. See page 170 of 181 (E/06) for location.
	Warehouse/Building 1	

77	Remove and replace wood folding door	For details see page 90 of 181 (A1/12) Door Types Detail A and all other related details. See page 79 of 181 (A1/01) for location.
78	Remove and replace fluorescent light fixture	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation D and all other related details. See page 171 of 181 (E/07) for locations.
79	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations. This item doesn't consider quantities of item 75 to prevent duplicity of costs.
	Kitchen/Building 1	
80	Remove lighting rosette and install wall mount lamp	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation A and all other related details. See page 171 of 181 (E/07) for location.
81	Supply and install window operator for jalouse window	For details see page 90 of 181 (A1/12) Window Types Detail B and all other related details. See page 79 of 181 (A1/01) for location.
82	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations.
	Men's Bathroom/Restroom 2	
83	Supply and install wood entrance door	For details see page 90 of 181 (A1/12) Door Types Detail C and all other related details. See page 79 of 181 (A1/01) for location.
84	Remove and replace T8 light bulbs	
85	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations.
	Women's Bathroom/Restroom 1	

86	Remove and replace stainless-steel bathroom partitions	For layout see page 87 of 181 (A1/09) Bathroom #1 Plan - Woman and for details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM ACCESORY SCHEDULE and all other related details.
87	Remove and replace T8 light bulbs	
88	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations.
	Janitor Area/Building 1	
89	Remove and replace interior lamp	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation B and all other related details. See page 79 of 181 (A1/01) for location.
90	Supply and install exterior wall mount lamp	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation A and all other related details. See page 79 of 181 (A1/01) for location.
91	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations.
	Fountains Area (next to bathrooms)	
92	Supply and install drinking fountain	Equal or similar to existing Filtered Drinking Fountain with Bottle-Filling Station
	Office Building/Building 2	
93	Remove and replace wood door with rails	For details see page 110 of 181 (A2/18) Door Types Detail C and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.

94	Remove and replace wooden door	For details see page 110 of 181 (A2/18) Door Types Detail C and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
95	Replace wood casement windows with jalousie	For details see page 110 of 181 (A2/18) Window Types Detail B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
96	Replace wood jalousie window	For details see page 110 of 181 (A2/18) Window Types Detail B and all other related details. See pages 92 and 93 of 181 (A2/01 & A2/02) for locations.
97	Remove and replace wooden frame for corrugated metal siding	For details see page 101 of 181 (A2/10) Wall Sections Building #2 and all other related details. Cost must consider the removal and reinstallation of corrugated metal siding including all hardware and miscellaneous materials to comply with the finishes specified in the supplied reference drawings.
98	Remove and replace rolling door	For details see page 110 of 181 (A2/18) DB Door Schedule Type E and all other related details. See page 92 of 181 (A2/01) for locations.
99	Remove and replace double wood doors	2nd floor, for details see page 110 of 181 (A2/18) Door Types Detail B and all other related details. See page 93 of 181 (A2/02) for locations.
100	Remove and replace balcony's wooden floor over steel frame	For details see page 102 of 181 (A2/11) Balcony Floor - Detail "6" and all other related details. See page 93 of 181 (A2/02) for locations.
101	Prepare, prime and paint exterior surfaces	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.

102	Prepare prime and paint railings, stairs and crane frame.	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
103	Prepare and paint wooden floors	Sand and clean floor, apply two coats of sealer equal or similar to existing. Follow manufacturer instruction for surface preparation and application.
104	Prepare and paint wood windows	Sand and clean windows, apply one coat primer sealer equal or similar to existing and two coats of latex paint. Color to be approved by owner. Follow manufacturer instructions for surface preparation and application.
105	Remove and replace exit sign	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation E and all other related details. See page 173 of 181 (A/09) for location.
106	Remove and replace Gypsum board panel at entrance	south side of entrance between level 1 and level 2, include patching
107	Prepare pitch pockets for roof openings to prevent filtration	Equal or similar to E-CURB System by ChemLink
108	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations. This item doesn't consider quantities of item 38 to prevent duplicity of costs.
	Pier Area/Dock	
109	Remove and install pier cable tensors with turnbuckles	North side of bridge to pier (2 cables) Equal or similar to existing ones on south side
110	Attach metal pipe support to floating dock	North side, attach method to be equal to existing support at south end of the floating dock

111	Remove and replace floating dock perimeter wood fender	Equal or similar to existing (2ea of 3in x 12in treated lumber and 1ea of 2in x 12in treated wood lumber with holes to cover anchor heads). Anchor system to be reused.
112	Remove and replace floating dock bumper	North, east, and south side. Equal or similar to existing. For installation see details supplied on reference documents (Dock Edging).
113	Remove and replace floating landing dock perimeter wood fender	Equal or similar to existing (1ea of 2in x 12in treated wood lumber with holes to cover anchor heads). Anchor system to be reused.
114	Remove and replace boat cleats	12in x 3 1/2in S Cleat, reuse anchors.
115	Manufacture, install and repair west side perimeter railing	Northwest side is missing and is to be manufactured equal to existing south side railing. South side railing to be repaired.
116	Remove and replace wooden cladding slat	For details see page 60 of 181 (AS/22) Detail 2 and all other related details.
	Site	
117	Supply and install outdoor pathway lights	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation S and all other related details. See page 170 of 181 (E/06) for location.
118	Remove and replace outdoor lighting fixture	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation Q and all other related details.
119	Prepare prime and paint railings	Two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
120	Repair railing and gate between Office Building and Gazebo 1	Railing and gate are located at its location but needs to be fixed and anchored.
	Gazebo 1/Resting Area 1	
121	Remove and replace hanging lamps	Equal or similar to lamps specified on page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation D.

122	Remove and replace corrugated metal roof panels.	For details see page 49 of 181 (AS/13) STEEL DECK (ROOF) NOTES/EMBARCADERO LAGO DOS BOCAS and all other related details.
123	Rewire building	For details see pages 165 to 175 of 181 (E/01 & E/11) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations.
	Gazebo 2/Gazebo 3	
124	Remove and replace spot light mount wall sconce.	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation *T and all other related details. See page 174 of 181 (E/10) for location.
	Men's Bathroom at Gazebo 2/Restroom 5	
125	Apply cement plaster to ceiling	For finishing details see page 45 of 181 (AS/09) SCHEDULE OF FINISHES/GAZEBO No.3, Ceiling details.
126	Remove and replace bathroom mirror	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM ACCESORY SCHEDULE and all other related details.
127	Remove and replace countertop	6ft long x 2ft deep, equal or similar to existing
128	Remove and replace faucet	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM EQUIPMENT SCHEDULE and all other related details.
129	Remove and replace wood jalousie window	For details see page 53 of 181 (AS/16A) Window Types Detail A and all other related details. See page 45 of 181 (AS/09) for location.
130	Remove and replace wall lamp	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation A and all other related details. See page 174 of 181 (E/10) for location.

131	Remove and replace ceiling lamp	Equal or similar to lamps specified on page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation D.
132	Remove and replace urinal flush valve	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM EQUIPMENT SCHEDULE No. P-3 for urinal details and all other related details.
133	Prepare, prime and paint interior walls and ceiling	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
	Women's Bathroom at Gazebo 2/Restroom 6	
134	Apply cement plaster to ceiling	For finishing details see page 45 of 181 (AS/09) SCHEDULE OF FINISHES/GAZEBO No.3, Ceiling details.
135	Remove and replace bathroom mirror	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM ACCESORY SCHEDULE and all other related details.
136	Remove and replace countertop	6ft long x 2ft deep, equal, or similar to existing
137	Remove and replace faucet	For details see page 88 of 181 (A1/10) Embarcadero Lago Dos Bocas - BATHROOM EQUIPMENT SCHEDULE and all other related details.
138	Remove and replace wood jalousie window	For details see page 53 of 181 (AS/16A) Window Types Detail A and all other related details. See page 45 of 181 (AS/09) for location.
139	Remove and replace wall lamp	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation A and all other related details. See page 174 of 181 (E/10) for location.

140	Remove and replace ceiling lamp	Equal or similar to lamps specified on page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation D.
141	Prepare, prime and paint interior walls and ceiling	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
	Men's and Women's Bathrooms at Gazebo 2/Bathrooms 5 & 6	
142	Supply and install drinking fountain	Equal or similar to existing Filtered Drinking Fountain with Bottle-Filling Station
143	Remove and replace wood doors	Located at rear area of bathrooms, one for the electric room and other for a storage room. For details see page 53 of 181 (AS/16A) Door Types Detail A and all other related details. See page 79 of 181 (A1/01) for location.
144	Supply and apply waterproofing system to roof	Equal or similar to existing. Follow manufacturer instructions for surface preparation and product application
145	Prepare, prime and paint exterior surfaces	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
	Small Gazebos (total of 3)/Gazebo 1,2 & 4	
146	Remove and replace pathway lamps	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation S and all other related details. See page 167 of 181 (E/03) for location.
147	Remove and replace spotlight mount wall sconce.	4 on each small gazebo. For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation *T and all other related details. See page 167 of 181 (E/03) for location.
	Guard house (south entrance)/Guard Booth #2	

148	Remove and replace wood jalouse window	For details see page 53 of 181 (AS/16A) Window Types Detail A and all other related details. See page 42 of 181 (AS/06) for location.
149	Remove and replace exterior wall mount lamps	For details see page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation O and all other related details. See page 175 of 181 (E/11) for location.
150	Remove and replace wood doors	For details see page 53 of 181 (AS/16A) Door Types Detail A and all other related details. See page 42 of 181 (AS/06) for location.
151	Prepare, prime and paint interior walls	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
152	Prepare, prime and paint exterior walls	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
	Workshop	
153	Remove and replace work lamps	Equal or similar to existing (4ft long, watertight)
154	Remove and replace wood door	38in wide x 7ft high. Equal or similar to door specified on page 127 of 181 (A3/12) Door Types Detail B.
155	Supply and install aluminum louver	77in wide x 11ft 3in high, equal or similar to existing
156	Prepare, prime and paint exterior walls	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.
157	Prepare, prime and paint interior walls	One coat of primer paint, and two coats of paint, equal or similar to existing. Color to be approved by Owner. Follow manufacturer instruction for surface preparations.

158	Remove and replace lamps	Storage area, 2ft x 4ft Equal or similar to lamps specified on page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation D.
159	Remove and replace ceiling lamp	One for the office, one for the bathroom and one for the storage closet. Equal or similar to lamps specified at page 175 of 181 (E/11) Court Lighting Fixture Schedule Designation B.
160	Rewire building	For details see pages 172 and 173 of 181 (E/08 & E/09) and all other related details. All works related to this item (rewire), will use only existing conduits and current equipment locations.
Embarcadero Lago Dos Bocas, Other Items (Part C)		
	DESCRIPTION	NOTES
	Shoreline	
161	Rebuild Gabions Revetment	53ft long x 6ft wide x 6ft deep, between Gazebo 1 and Office Building at shoreline
162	Rebuild Gabions Revetment	107ft long x 6ft long x 9ft deep, from Ballroom Building to Tank Area at shoreline
	Site	
163	Clearing and grubbing of open channel 1, north side of main entrance guard house	For location details see page 9 of 181 (C/6), approximate 360 LF. Include area under bridge
164	Excavation and cleaning of open channel 1, north side of main entrance guard house	For location details see page 9 of 181 (C/6), approximately 360 LF, 29ft wide and 18in deep. Include area under bridge. Pay Unit will be Cubic Meter (Truck Measure)
165	Clearing and grubbing of open channel 2, west side of Gazebo 1 (resting area No. 1 as per reference drawings).	For location details see page 10 of 181 (C/7), approximate 190 LF

166	Excavation and cleaning of open channel 2, west side of Gazebo 1 (resting area No. 1 as per reference drawings).	For location details see page 10 of 181 (C/7), approximately 190 LF, 19ft wide and 20in deep. Pay Unit will be Cubic Meter (Truck Measure)
167	Cleaning and excavation of pipes at open channel 2.	For location details see page 10 of 181 (C/7), approximately 25 LF and 48in diameter. Various pipes
	Fuel Tank System	
168	Remove and dispose of 3,500 gallons fuel tank and all equipment for dispensing fuel	
169	Supply and install new fuel tank	Equal or similar to existing 4,000 gls tank, 96" diam. with dike
170	Supply and install submersible pump to dispense fuel	3/4 hp
171	Supply and install pump station to dispense fuel	Station to include hose reel, hose, dispenser, counter, and all necessary equipment to comply with local and federal fuel dispensing regulations.
	Construction Permits	
172	Construction Work Permit (<i>Permiso de Construcción</i>)	
	Inspection Facilities and Exempt Work Permit (Part D)	
	DESCRIPTION	NOTES
	Office	
173	Trailer	Container 8ft x 20ft. For details see section 1.16 of the Supplementary Conditions.
	Construction Permits	
174	Exempt Work Permit (<i>Permiso para Obras Exentas</i>) for parts A & B	For details see Exempt Permit Requirement Documents on the Reference Documents

	ALLOWANCE - Studies & Mitigation (Part E)	
	DESCRIPTION	Description
	Asbestos & Lead	
175	Asbestos and Lead (allowance)	Health hazard exposure prevention (Studies/Mitigation/Asbestos/Lead).
	* This Scope of Work (SOW) is based on the details given by FEMA in the Project Worksheet (PW).	
	* All quantities are estimates and need to be checked on site by contractor.	
	* Indirect Costs (such as overhead and additional insurances) and Profit are all incidental costs considered as part of each cost item.	
	* Part A begins in Line Item #1, and Part B begins in Line Item #72.	
	* Refer to Reference Documents/Details Section for a Top View of the Project Buildings and their corresponding names/titles assigned by FEMA.	