

**PBCMP- Phase III- 60% Plans - Overall Engineers Opinion of Costs**

See included supplemental sheets for cost breakdowns

Adjacent Parking Areas	\$595,032.50
Lighting	\$248,650.00
Underpass Drainage	\$892,580.00
Retaining Walls and Culverts	\$1,647,767.13
Landscape, Irrigation and Hardscape(Plaza)	\$636,165.00
Roadway(complete)	\$3,230,994.24
MOT(15% Roadway)	\$484,649.14
Contingencies(10%)	\$773,583.80
<b>Total Construction</b>	<b>\$8,509,421.81</b>
Construction Engineering Inspections(CEI)(8%)	\$680,753.75
<b>Gulf Power Utility Relocates*</b>	<b>\$3,500,000.00</b>
ECUA Waterline Relocates	\$55,346.58
ECUA Sewer Relocates**	\$94,267.07
<b>Total w/ Utility Relocates</b>	<b>\$12,745,522.14</b>

\*Gulf Power representatives provided a Non-Binding High Level Budgetary Estimate to relocate/upgrade their facilities within the right-of-way to accommodate the proposed project via email on 4-2-18. Gulf Power has stated that if the county does not pay for the relocation they will relocate power and replace with above ground facilities.

\*\* ECUA responsible for costs per agreement with Escambia County. Not included in overall costs.

<b>Total</b>	
<b>Sidelines</b>	<b>\$74,062.00</b>
<b>Flounders</b>	<b>\$29,999.50</b>
<b>Boardwalk</b>	<b>\$40,523.75</b>
<b>Sandshaker</b>	<b>\$208,324.25</b>
<b>Casino Beach- A</b>	<b>\$44,902.25</b>
<b>Casino Beach- B</b>	<b>\$197,220.75</b>
	<b>\$595,032.50</b>

**ENGINEERS PRELIMINARY ESTIMATE, PBCMP - Phase III- 60% Plans- Sidelines**

Item	DESCRIPTION	UNIT	BID QUANTITY	UNIT COST	TOTAL
1	Remove and Replace Unsuitable Materials	CY	198	\$22.50	\$4,455.00
2	Final Grading and Seal Rolling prior to paving	SY	612	\$2.00	\$1,224.00
3	Remove Trees	EA	2	\$300.00	\$600.00
4	Remove Shrubs	EA	8	\$50.00	\$400.00
5	Remove Ex. Restaurant Sign	EA	1	\$1,000.00	\$1,000.00
6	Remove and Reinstall Ex. Bumper Blocks	EA	20	\$40.00	\$800.00
7	Saw Cut Asphalt	LF	158	\$2.75	\$434.50
8	Saw Cut Existing Concrete	LF	10	\$2.75	\$27.50
9	Remove Ex. Asphalt	SY	592	\$4.50	\$2,664.00
10	Remove Ex. Concrete	SY	62	\$5.00	\$310.00
11	2" Type SP 12.5 Asphalt	SY	510	\$9.50	\$4,845.00
12	1" Type SP 12.5 Asphalt	SY	1338	\$6.75	\$9,031.50
13	6" Bahamian Base	SY	510	\$14.00	\$7,140.00
14	12" Stabilized Subgrade	SY	510	\$3.00	\$1,530.00
15	Mill Existing Asphalt 0-1.5"	SY	1338	\$3.25	\$4,348.50
16	FDOT Type F Curb And Gutter	LF	411	\$22.00	\$9,042.00
17	5' Wide Concrete Sidewalk	LF	32	\$25.00	\$800.00
18	Thermoplastic 6" Solid Stripe, White or Yellow	LF	710	\$1.50	\$1,065.00
19	Thermoplastic Directional Arrow, Single Head (Straight Ahead) 12sf	EA	8	\$125.00	\$1,000.00
20	Thermoplastic Directional Arrow, Single Head (Turn Left/ Right) 16sf	EA	3	\$175.00	\$525.00
21	Stop Sign. R1-1	EA	1	\$250.00	\$250.00
22	Do Not Enter Sign, R5-1	EA	4	\$250.00	\$1,000.00
23	One Way Sign, R6-1L	EA	1	\$250.00	\$250.00
24	Concrete Bumper Blocks	EA	22	\$60.00	\$1,320.00
25	New Restaurant Sign - Budget	EA	1	\$20,000.00	\$20,000.00

**Total        \$74,062.00**

**ENGINEERS PRELIMINARY ESTIMATE, PBCMP - Phase III- 60% Plans- Flounders**

Item	DESCRIPTION	UNIT	BID QUANTITY	UNIT COST	TOTAL
1	Remove and Replace Unsuitable Materials	CY	147	\$22.50	\$3,307.50
2	Final Grading and Seal Rolling prior to paving	SY	300	\$2.00	\$600.00
3	Saw Cut Asphalt	LF	250	\$2.75	\$687.50
4	Saw Cut Existing Concrete	LF	2	\$2.75	\$5.50
5	Remove Ex. Asphalt	SY	440	\$4.50	\$1,980.00
6	Remove Ex. Concrete	SY	117	\$5.00	\$585.00
7	Remove Ex. Curb and Gutter	LF	170	\$12.00	\$2,040.00
8	2" Type SP 12.5 Asphalt	SY	300	\$9.50	\$2,850.00
9	1" Type SP 12.5 Asphalt	SY	256	\$6.75	\$1,728.00
10	6" Bahamian Base	SY	300	\$14.00	\$4,200.00
11	12" Stabilized Subgrade	SY	300	\$3.00	\$900.00
12	Mill Existing Asphalt 0-1.5"	SY	256	\$3.25	\$832.00
13	FDOT Type F Curb And Gutter	LF	282	\$22.00	\$6,204.00
14	Thermoplastic 6" Solid Stripe, White or Yellow	LF	420	\$1.50	\$630.00
15	Thermoplastic High Intensity Crosswalk	LF	100	\$28.50	\$2,850.00
16	Concrete Bumper Blocks	EA	10	\$60.00	\$600.00

**Total            \$29,999.50**

**ENGINEERS PRELIMINARY ESTIMATE, PBCMP - Phase III- 60% Plans- Boardwalk**

Item	DESCRIPTION	UNIT	BID QUANTITY	UNIT COST	TOTAL
1	Remove and Replace Unsuitable Materials	CY	130	\$22.50	\$2,925.00
2	Final Grading and Seal Rolling prior to paving	SY	225	\$2.00	\$450.00
3	Saw Cut Asphalt	LF	460	\$2.75	\$1,265.00
4	Saw Cut Existing Concrete	LF	5	\$2.75	\$13.75
5	Remove Ex. Asphalt	SY	392	\$4.50	\$1,764.00
6	Remove Ex. Concrete	SY	17	\$5.00	\$85.00
7	Remove Ex. Curb and Gutter	LF	553	\$12.00	\$6,636.00
8	2" Type SP 12.5 Asphalt	SY	225	\$9.50	\$2,137.50
9	1" Type SP 12.5 Asphalt	SY	725	\$6.75	\$4,893.75
10	6" Bahamian Base	SY	225	\$14.00	\$3,150.00
11	12" Stabilized Subgrade	SY	225	\$3.00	\$675.00
12	Mill Existing Asphalt 0-1.5"	SY	725	\$3.25	\$2,356.25
13	FDOT Type F Curb And Gutter	LF	545	\$22.00	\$11,990.00
14	Thermoplastic 6" Solid Stripe, White or Yellow	LF	455	\$1.50	\$682.50
15	Concrete Bumper Blocks	EA	25	\$60.00	\$1,500.00

**Total            \$40,523.75**

**ENGINEERS PRELIMINARY ESTIMATE, PBCMP - Phase III- 60% Plans- Sandshaker**

Item	DESCRIPTION	UNIT	BID QUANTITY	UNIT COST	TOTAL
1	Remove and Replace Unsuitable Materials	CY	896	\$22.50	\$20,160.00
2	Earthwork Borrow	CY	900	\$18.50	\$16,650.00
3	Earthwork Establishing Grade	SY	2700	\$2.25	\$6,075.00
4	Final Grading and Seal Rolling prior to paving	SY	2700	\$2.00	\$5,400.00
5	Saw Cut Asphalt	LF	557	\$2.75	\$1,531.75
6	Saw Cut Existing Concrete	LF	10	\$2.75	\$27.50
7	Remove Ex. Asphalt	SY	2822	\$4.50	\$12,699.00
8	Remove Ex. Concrete	SY	42	\$5.00	\$210.00
9	Remove Ex. Curb and Gutter	LF	665	\$12.00	\$7,980.00
10	1-1/2" Type SP 12.5 Asphalt	SY	2822	\$9.00	\$25,398.00
11	6" Bahamian Base	SY	2822	\$14.00	\$39,508.00
12	12" Stabilized Subgrade	SY	2822	\$3.00	\$8,466.00
13	FDOT Type F Curb And Gutter	LF	815	\$22.00	\$17,930.00
14	5' Wide Concrete Sidewalk	LF	115	\$25.00	\$2,875.00
15	Construct Curb Ramp, includes Mat	EA	2	\$1,050.00	\$2,100.00
16	Thermoplastic 6" Solid Stripe, White or Yellow	LF	2286	\$1.50	\$3,429.00
17	Thermoplastic Directional Arrow, Single Head (Straight Ahead) 12sf	EA	4	\$125.00	\$500.00
18	Thermoplastic High Intensity Crosswalk	LF	30	\$28.50	\$855.00
19	Concrete Bumper Blocks	EA	38	\$60.00	\$2,280.00
20	FDOT Type F Inlet	EA	1	\$3,750.00	\$3,750.00
21	Stormwater Junction Box	EA	2	\$3,250.00	\$6,500.00
22	24" RCP	LF	64	\$55.00	\$3,520.00
23	29" x 45" Elp. Concrete Pipe	LF	128	\$160.00	\$20,480.00

**Total            \$208,324.25**

**ENGINEERS PRELIMINARY ESTIMATE, PBCMP - Phase III- 60% Plans- Casino Beach- Near Sandshaker**

Item	DESCRIPTION	UNIT	BID QUANTITY	UNIT COST	TOTAL
1	Remove and Replace Unsuitable Materials	CY	112	\$22.50	\$2,520.00
2	Saw Cut Asphalt	LF	450	\$2.75	\$1,237.50
3	Saw Cut Existing Concrete	LF	3	\$2.75	\$8.25
4	Remove Ex. Asphalt	SY	336	\$4.50	\$1,512.00
5	Remove Ex. Curb and Gutter	LF	178	\$12.00	\$2,136.00
6	1" Type SP 12.5 Asphalt	SY	1495	\$6.75	\$10,091.25
7	Mill Existing Asphalt 0-1.5"	SY	1495	\$3.25	\$4,858.75
8	FDOT Type F Curb And Gutter	LF	200	\$22.00	\$4,400.00
9	12-15' Wide Concrete Sidewalk	LF	115	\$65.00	\$7,475.00
10	Construct Curb Ramp, includes Mat	EA	5	\$1,500.00	\$7,500.00
11	Thermoplastic 6" Solid Stripe, White or Yellow	LF	475	\$1.50	\$712.50
12	Thermoplastic High Intensity Crosswalk	LF	86	\$28.50	\$2,451.00

**Total            \$44,902.25**

**ENGINEERS PRELIMINARY ESTIMATE, PBCMP - Phase III- 60% Plans- Casino Beach- Near Flounders**

Item	DESCRIPTION	UNIT	BID QUANTITY	UNIT COST	TOTAL
1	Remove and Replace Unsuitable Materials	CY	347	\$22.50	\$7,807.50
2	Final Grading and Seal Rolling prior to paving	SY	207	\$2.00	\$414.00
3	Saw Cut Asphalt	LF	3150	\$2.75	\$8,662.50
4	Saw Cut Existing Concrete	LF	5	\$2.75	\$13.75
5	Remove Ex. Asphalt	SY	1154	\$4.50	\$5,193.00
6	Remove Ex. Concrete	SY	467	\$5.00	\$2,335.00
7	Remove Ex. Curb and Gutter	LF	540	\$12.00	\$6,480.00
8	Remove Ex. Curb Inlet	EA	1	\$1,000.00	\$1,000.00
9	Remove Ex. 18" RCP	LF	110	\$22.00	\$2,420.00
10	2" Type SP 12.5 Asphalt	SY	320	\$9.50	\$3,040.00
11	1" Type SP 12.5 Asphalt	SY	4815	\$6.75	\$32,501.25
12	6" Bahamian Base	SY	320	\$14.00	\$4,480.00
13	12" Stabilized Subgrade	SY	320	\$3.00	\$960.00
14	Mill Existing Asphalt 0-1.5"	SY	4815	\$3.25	\$15,648.75
15	FDOT Type F Curb And Gutter	LF	1450	\$22.00	\$31,900.00
16	12-15' Wide Concrete Sidewalk	LF	385	\$65.00	\$25,025.00
17	Construct Curb Ramp, includes Mat	EA	5	\$1,500.00	\$7,500.00
18	Concrete Bumper Blocks	EA	107	\$60.00	\$6,420.00
19	Spill Way w/ Grate under sidewalk	EA	5	\$1,650.00	\$8,250.00
20	Convert Existing Inlet Top to DBI or Junction Box	EA	2	\$3,000.00	\$6,000.00
21	FDOT Type F Inlet	EA	2	\$3,750.00	\$7,500.00
22	Tie to Existing Inlet	EA	1	\$1,350.00	\$1,350.00
23	18" RCP	LF	101	\$45.00	\$4,545.00
24	Thermoplastic 6" Solid Stripe, White or Yellow	LF	1900	\$1.50	\$2,850.00
25	Thermoplastic High Intensity Crosswalk	LF	50	\$28.50	\$1,425.00
26	Relocate Ex. Lightpole to Adjacent Island	EA	1	\$3,500.00	\$3,500.00

**Total      \$197,220.75**



**Pensacola Congestion Management Plan - Lighting**

<b>Roadway and Roundabout Lighting</b>				
<b>Item Description</b>	<b>Cost</b>	<b>Unit</b>	<b>Qty</b>	<b>Total</b>
Lighting Control Center	\$ 12,000.00	EA	1	\$ 12,000.00
Pole and LED Luminaire/Arms (Turtle Friendly Amber LED)	\$ 1,800.00	EA	43	\$ 77,400.00
Foundations	\$ 1,500.00	EA	43	\$ 64,500.00
Frangible Bases	\$ 1,200.00	EA	5	\$ 6,000.00
1" PVC Conduit; Trenching; Backfill	\$ 8.00	LF	3800	\$ 30,400.00
#6 AWG Copper Conductor	\$ 2.00	LF	11,400	\$ 22,800.00
Sub-total				\$ 213,100.00
10% Contingency				\$ 21,310.00
<b>Total</b>				<b>\$ 234,410.00</b>

<b>Pedestrian Underpass Lighting - 3 locations</b>				
<b>Item Description</b>	<b>Cost</b>	<b>Unit</b>	<b>Qty</b>	<b>Total</b>
LED Luminaire	\$ 1,500.00	EA	18	\$ 27,000.00
1" PVC Conduit	\$ 7.80	LF	1000	\$ 7,800.00
#10 AWG Copper Conductor	\$ 0.75	LF	1000	\$ 750.00
Sub-total				\$ 35,550.00
10% Contingency				\$ 3,555.00
<b>Total</b>				<b>\$ 39,105.00</b>

**Total for Roadway and Underpass Lighting**

**\$ 273,515.00**

# Engineer's Estimate of Probable Cost

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
<b>Trench Drains and Gravity Conveyance</b>					
C-01	12-inch Trench Drain with Pedestrian Rated Grate	404	LF	\$45.00	\$18,180.00
C-02	8-inch PVC Pipe & Fittings	1,560	LF	\$30.00	\$46,800.00
C-03	18-inch RCP Pipe	1,140	LF	\$60.00	\$68,400.00
C-04	30-inch RCP Pipe	10	LF	\$100.00	\$1,000.00
C-05	48-inch Precast Manhole	70	VF	\$800.00	\$56,000.00
C-06	72-inch Precast Manhole	13	VF	\$1,200.00	\$15,600.00
C-07	Manhole Frame and Cover	12	EA	\$400.00	\$4,800.00
<b>Lift Station and Force Main</b>					
LS-01	Triplex Lift Station, FRP Wet Well, FRP Valve Vault, & Appurtenances	1	LS	\$500,000.00	\$500,000.00
LS-02	Dewatering - Well Point and Pumping	1	LS	\$100,000.00	\$100,000.00
LS-03	Electrical, Instrumentation, & Power Service	1	LS	\$75,000.00	\$75,000.00
LS-04	Concrete Pad	10	CY	\$500.00	\$5,000.00
LS-05	18-inch PVC Force Main	30	LF	\$60.00	\$1,800.00

SubTotal: \$892,580.00  
 15% Contingency: \$133,887.00  
**TOTAL: \$1,026,467.00**

**Summary of Quantities (Structures)**

Location	Pay Item No.	Description	Unit	Quantity	Unit Cost	Total Cost
Walls	0400-4-11	Concrete Class IV, Retaining Wall	CY	1,029.4	\$770.00	\$792,651.69
	0415-1-3	Reinforcing Steel - Retaining Wall	LB	143,265	\$1.00	\$143,265.44
Culverts	407-1	Precast Three-Sided Culvert	LF	196	\$3,500.00	\$686,350.00
Temp. Walls	548-13	Retaining Wall System, Temporary	SF	1700	\$15.00	\$25,500.00



Pensacola Beach Congestion Management Plan Quantities (Roadway Construction)

635502

estimated by AVH, 180418

Checked by

Costs are based from FDOT Area 1 historical averages 02/01/2017 to 01/31/2018, unless otherwise noted

Cost are based on 60% plans prior to final QC being completed

**Total Costs**

**Roadway**

<b>Storm Structures and Pipes</b>	\$489,815.19
<b>Sidewalks</b>	\$372,198.72
<b>Curb and Gutter</b>	\$147,678.28
<b>Pavement</b>	\$491,169.37
<b>Clearing and Grubbing</b>	\$235,063.70
<b>Gravity Wall and Barrier Trans</b>	\$1,266,785.44
<b>Earthwork</b>	\$140,501.00
<b>Signs and Pavement Markings</b>	\$87,782.55

**Total Roadway Cost** **\$3,230,994.24**

**Utility Relocates**

<b>Potable Water</b>	\$55,346.58
<b>Sanitary Structures and Pipes</b>	\$94,267.07

**\$149,613.65**

Pensacola Beach Congestion Management Plan Quantities (Roadway Construction)  
635502

estimated by AVH, 180418

Checked by

Costs are based from FDOT Area 1 historical averages 02/01/2017 to 01/31/2018, unless otherwise noted in notes within estimate  
Cost are based on 60% plans prior to final QC being completed

Pensacola Beach Congestion Management Plan Quantities  
Storm Structures and Pipes

**Structures**

Pay Item	Description	\$/ Each	Quantity	Notes
0425 2 41	Manholes, P-7 <10'	\$6,143.77	1	\$6,143.77
0425 2 43	Manholes, P-7 Partial	\$3,600.37		\$0.00
0425 2 71	Manholes, J-7 <10'	\$8,691.93	3	\$26,075.79
0425 2 73	Manholes, J-7 Partial	\$8,691.93	1	\$8,691.93
0425 2 91	Manholes, J-8 <10'	\$7,302.09		
425 2 61	Manholes, P-8 <10'	\$4,579.28	5	\$22,896.40
0425 1331	Inlets, Curb Type P-3 < 10	\$5,572.75	4	\$22,291.00
0425 1351	Inlets, Curb Type P-5 <10	\$7,236.71	9	\$65,130.39
0425 1361	Inlets, Curb Type P-6 <10	\$6,981.49	12	\$83,777.88
0425 1461	Inlets, Curb , Type J-6 <10	\$11,844.19	1	\$11,844.19
0425 1589	Inlets, DT Bot, Type H, Modify	\$10,165.00	1	\$10,165.00
<b>Subtotal Structures</b>				<b>\$257,016.35</b>

used greater than 10 due to additional size to accommodate pipe behind inlet  
used modify box as attaching to existing pipes

**Pipes**

Pay Item	Description	LF	\$/FT	Notes
430175118	Pip Culv, Opt Matl, Round 18" S/CD	474	\$67.95	\$32,208.30
430175124	Pip Culv, Opt Matl, Round 24" S/CD	1294	\$77.87	\$100,763.78
430175136	Pip Culv, Opt Matl, Round 36" S/CD	584	\$116.20	\$67,860.80
430175236	Pip Culv, Opt Matl, Other, 36" S/CD	156	\$204.91	\$31,965.96
<b>Subtotal Pipe</b>				<b>\$232,798.84</b>
<b>Total</b>				<b>\$489,815.19</b>



Pensacola Beach Congestion Management Plan Quantities  
6" Thick Concrete Multi-use Path

Item	Description	\$/Sq Yd	Sq Yd	Subtotal
0522-2	Concrete Sidewalk 6"	\$64.53	5767.84	\$372,198.72

**total Sidewalk** **\$372,198.72**

Pensacola Beach Congestion Management Plan Quantities  
Curb and Gutter

Item	Description	\$/LF	Lf	Notes
0520 1 17	Curb and Gutter, Type E	\$20.63	3432.9	\$70,820.73
0520 1 10	Curb and Gutter, Type F	20.48	3155.86	\$64,632.01
<b>0520 2 8</b>	Curb and Gutter, Type RA	14	474.51	\$6,643.14
N/A	Ribbon Curb	15	372.16	\$5,582.40

Cost from Statewide Average as area average did not have a cost

Received from Amy from Escambia County Construction Cost Averages

**Total Curb and Gutter**

**\$147,678.28**

Pensacola Beach Congestion Management Plan Quantities  
Milling, Resurfacing and New Pavement Construction

Milling and Resurfacing

Pay Item Description  
0327 70 5 Milling Exist. Asph Pavt 1" avg depth

Sq Yd \$/Sq Yd Subtotal Notes  
4069.818 \$2.06 8,383.82

Pay Item Description

338 7 83 Asph Conc Friction Course FC 12.5, PG 76.23

Ton \$/Ton Subtotal Notes  
74.61333 \$104.00 \$7,759.79 Used for SP Friction Course 1" Thick=Calculated using 110#/sq yd

Construction

0160 4 Type B Stabilization  
285706 Optional Base Group 6

Sq Yd \$/Sq yd Subtotal Notes  
16227.18 \$5.63 \$91,359.02  
13953.21 \$19.87 \$277,250.26

Construction

0337 7 83 Asph Conc Friction Course FC 12.5, PG 76.22  
338 7 83 Asph Conc Friction Course FC 12.5, PG 76.23

Ton \$/Ton Subtotal Notes  
767.4265 \$104.00 \$79,812.35 Used for Base Course 3" thick - Calculated using 330#/sq yd  
255.8088 \$104.00 \$26,604.12 Used for Base Course 1" thick - Calculated using 110#/sq yd

**Total Pavement**

**\$491,169.37**

Pensacola Beach Congestion Management Plan Quantities  
Potable Water

Pipes		LF	\$/FT	Notes
<b>Pay Item</b>	<b>Description</b>			
1050 42208	Utility Pipe HDPE, F&I, Water Sewer 8"	116	\$35.00	\$4,060.00 Cost pulled from Sate wide cost estimate as area did not have cost identified
1050 42210	Utility Pipe HDPE, F&I, Water Sewer 10"	220	\$83.00	\$18,260.00 Cost pulled from Sate wide cost estimate as area did not have cost identified
<b>Subtotal Pipe</b>				<b>\$22,320.00</b>
Fittings		EA	\$/EA	Notes
<b>Pay Item</b>	<b>Description</b>			
1055 31108	Utility Fittings or PVC Pipe, Elbow 8"	5	\$739.00	\$3,695.00 Cost pulled from Sate wide cost estimate as area did not have cost identified (includes 90 degree and 45 degree bends)
1055 31110	Utility Fittings or PVC Pipe, Elbow 10"	7	\$1,012.00	\$7,084.00 Cost pulled from Sate wide cost estimate as area did not have cost identified (includes 90 degree and 45 degree bends)
1080 24108	Utility Fixture, Valve Assembly, F&I 8"	2	\$1,995.79	\$3,991.58 Cost pulled from Sate wide cost estimate as area did not have cost identified
1080 24110	Utility Fixture, Valve Assembly, F&I 10"	2	\$2,637.00	\$5,274.00 Cost pulled from Sate wide cost estimate as area did not have cost identified
1080 29108	Utility Fixture, Mech Jt Restr, F&I 8"	14	\$341.00	\$4,774.00 Cost pulled from Sate wide cost estimate as area did not have cost identified (includes 2 restraints at each fitting)
1080 29110	Utility Fixture, Mech Jt Restr, F&I 10"	18	\$456.00	\$8,208.00 Cost pulled from Sate wide cost estimate as area did not have cost identified (includes 2 restraints at each fitting)
<b>Subtotal Fittings</b>				<b>\$33,026.58</b>
<b>Total Potable Water</b>				<b>\$55,346.58</b>

Pensacola Beach Congestion Management Plan Quantities  
Sanitary Structures and Pipe

Pay Item	Description	\$/ Each	Quantity	Notes
425 2 61	Manholes, P-8 <10'	\$4,579.28	4	\$18,317.12
0425 2 62	Manholes, P-8 >10'	\$3,376.98	1	\$3,376.98
0425 2 63	Manholes, P-8, Partial	\$1,869.07	1	\$1,869.07
<b>Subtotal Structures</b>				<b>\$23,563.17</b>

Cost pulled from State wide cost estimate as area did not have cost identified for >10 depth

Pay Item	Description	LF	\$/FT	Notes
1050 31210	Utility Pipe - PVC, F&I 8"	216	\$67.95	\$14,677.20
1050 31208	Utility Pipe - PVC, F&I 10"	710	\$77.87	\$55,287.70
<b>Subtotal Pipe</b>				<b>\$69,964.90</b>

Cost pulled from State wide cost estimate as area did not have cost identified for >10 depth

Pay Item	Description	LF	\$/EA	Notes
1055 31108	Utility Fittings or PVC Pipe, Elbow 8"	1	739	739 Bend for cleanout
<b>Subtotal Pipe</b>				<b>\$739.00</b>
<b>Total Sanitary Cost</b>				<b>\$94,267.07</b>

Cost pulled from State wide cost estimate as area did not have cost identified for >10 depth

Pensacola Beach Congestion Management Plan Quantities  
 Clearing and Grubbing

Pay Item	Description	\$/AC	Quantity	Subtotal	Notes
111 1 1	Clearing and Grubbing	\$28,102.00	7.06	\$198,400.12	

**Total Clearing and Grubbing** **\$198,400.12**

Pay Item	Description	\$/Sq Yd	Quantity	Subtotal	Notes
0110 4 10	Removal of Existing Concrete	\$23.45	1388.477	\$32,559.78	

**Total Pipe Removal** **\$32,559.78**

Pay Item	Description	\$/LF	Quantity	Subtotal	Notes
1050 1600	Utility Pipe, Remove and Dispose, 5-7.9"	\$14.20	105	\$1,491.00	
1050 1600	Utility Pipe, Remove and Dispose, 8"-19.9"	\$14.20	184	\$2,612.80	

**Total Pipe Removal** **\$4,103.80**

**Total Removal** **\$235,063.70**

Pensacola Beach Congestion Management Plan Quantities  
Gravity Wall, Barrier Transition and Pedestrian Rail

Item #	Description	\$/Cu Yd	Cu Yd	Subtotal	Notes
0400 0 11	Concrete Class NS, Gravity Wall	\$756.65	1140.834	863,211.73	See Gravity Wall Quantity Calculations worksheet
<b>Total Gravity Wall</b>					<b>863,211.73</b>
Item #	Description	\$/LF	Cu Yd	Subtotal	Notes
0515 2311	Ped/Bicycle Rail, 42" Type 1	\$74.82	1473.2	\$110,224.82	Used on top of each wall
0515 1 2	Pipe Handrail - Guiderail, Alumimun	\$107.62	92.4	\$9,944.09	Used pipehandrail at stairs
<b>Total Railing</b>					<b>120,168.91</b>
Item #	Description	\$/LF	LF	Subtotal	Notes
0521 72 5	Shoulder Conc Barrier Wall, Rigid C&C	\$124.00	300	\$37,200.00	Statewide Estimate used for Curb and Gutter Barrier Transition (25' each)
<b>Barrier Wall and Juntion Slab</b>					
Item #	Description	\$/LF	LF	Subtotal	Notes
0521 8 2	Shldr Conc Barrier, Jct Slab, 42" F Shape	\$160.00	1538.78	\$246,204.80	Statewide Estimate used for Curb and Gutter Barrier Transition (used 42" f shape as not 42" single slope data)
<b>Total Gravity Wall, Transition and Railing</b>					<b>\$1,266,785.44</b>

Pensacola Beach Congestion Management Plan Quantities  
Earthwork

Full Reconstruction					
Item #	Description	\$/LF	LF	Subtotal	Notes
		\$/Cu Yd	Cu Yd	Subtotal	
0120 1	Regular Excavation	\$6.74	444.87	\$2,998.40	
Item #	Description	\$/LF	LF	Subtotal	Notes
		\$/Cu Yd	Cu yd	Subtotal	Notes
0120 6	Embankment	\$10.09	13,627.61	\$137,502.60	

**Total Earthwork** **\$140,501.00**



Pensacola Beach Congestion Management Plan Quantities  
Signing and Pavement Markings

Item #	Description	\$/AS	AS	Subtotal
0700 1 50	Single Post Sign, Relocate	\$122.40	2	244.8

Item #	Description	\$/AS	AS	Subtotal
0700 1 11	Single Post Sign, F&I GM, <12 SF	\$327.89	67	\$21,968.63
0700 1 12	Single Post Sign, F&I GM, 12-30 SF	\$1,061.12	4	\$4,244.48
0700 12 13	Multi-Post Sign, F&I GM, 21-30 SF	\$3,897.73	1	\$3,897.73
0700 2 14	Multi-Post Sign, F&I GM, 31-50 SF	\$4,690.91	4	\$18,763.64
0700 2 15	Multi-Post Sign, F&I GM, 51-100 SF	\$6,600.00	1	\$6,600.00
0700 2 16	Multi-Post Sign, F&I GM, 100-200 SF	\$8,776.34	1	\$8,776.34

**Subtotal Signs** **\$64,495.62**

Item #	Description	\$/GM	GM	Subtotal
0711 15101	Thermoplastic, Std-Op, White, Solid 6"	\$4,337.91	1.296402	\$5,623.67
0711 15102	Thermoplastic, Std-Op, White, Solid 8"	\$4,727.40	0.136364	\$644.65
0711 15201	Thermoplastic, Std-Op, Yellow, Solid 8"	\$4,311.12	0.806629	\$3,477.47
0711 11141	Thermoplastic, Std, White, Dot Guide 6"	\$2,240.51	0.045455	\$101.84
0711 11143	Thermoplastic, Std, White, Dot Guide 12"	\$2,786.00	0.052083	\$145.10
0711 15131	Thermoplastic, Std-Op, White, Skip 6"	\$1,915.43	0.630682	\$1,208.03
0711 16231	Thermoplastic, Std-Oth, Yellow, Skip 6"	\$2,196.18	0.130682	\$287.00

Used 12 month statewide average

Item #	Description	\$/LF	LF	Subtotal
0711 11123	Thermoplastic, Std, White, Solid 12"	\$2.77	820	\$2,271.40
0711 11124	Thermoplastic, Std, White, Solid 18"	\$2.78	240	\$667.20
0711 11125	Thermoplastic, Std, White, Solid 24"	\$4.32	189	\$816.48

Item #	Description	\$/Ea	EA	Subtotal
0711 14160	Thermoplastic, Preformed, White, Message	\$196.95	14	\$2,757.30
0711 14170	Thermoplastic, Preformed, White, Arrow	\$114.93	46	\$5,286.78

**Subtotal Pavement Markings** **\$23,286.93**

**Total SAPM** **\$87,782.55**

## Mike Warnke

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**From:** Post, Gabriel <GPOST@SOUTHERNCO.COM>  
**Sent:** Monday, April 02, 2018 9:47 AM  
**To:** Mike Warnke; 'Hooks, Arthur'  
**Cc:** Swails, Chad E.; Davidson, Patrick; Rouillier, Jeff Charles  
**Subject:** RE: 635502; PBCMP electric service question

Mike and Arthur,

We put together a **Non-Binding High Level Budgetary Estimate** to relocate Gulf Power facilities to accommodate the three pedestrian underpasses near the intersection of Pensacola Beach Blvd, Fort Pickens Rd and Via De Luna Drive. The cost we came up with is **\$3.5 Million**. Please make note that if this was to go to construction you would need to request a binding estimate and the cost could change at that time. These numbers are purely for budgetary and planning purposes only. If you have any question please let me know.

Thank you,

### Gabe Post

Engineer Sr.  
Gulf Power Company  
Office: 850.444.6459  
MyGulfPower.com  
*Stay connected with Gulf Power*



**From:** Mike Warnke [mailto:mike.warnke@volkert.com]  
**Sent:** Friday, March 30, 2018 9:55 AM  
**To:** Post, Gabriel <GPOST@SOUTHERNCO.COM>  
**Cc:** Swails, Chad E. <CESWAILS@southernco.com>; 'Hooks, Arthur' <arthur.hooks@volkert.com>; Davidson, Patrick <PDAVIDSO@southernco.com>; Rouillier, Jeff Charles <JCROUILL@southernco.com>  
**Subject:** RE: 635502; PBCMP electric service question

Gabe-

April 13<sup>th</sup>, if possible.

Thanks

Mike Warnke, P.E., ENV SP  
Project Manager  
**Volkert, Inc.**  
(850) 512-8935  
[mike.warnke@volkert.com](mailto:mike.warnke@volkert.com)

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