

Biscayne Blvd Force Main Improvements Project

100% Construction Documents

Engineer's Opinion of Probable Cost

DATE: 12-05-2013

Item	Description	Qty	Units	Unit Price	Total
1	Furnish 12" D.I. Pipe, Fittings, Valves, and restrainers.	6,550	L.F.	\$60.00	\$393,000.00
2	Install 12" D.I. Pipe, Fittings, Valves, and restrainers.	6,550	L.F.	\$55.00	\$360,250.00
3	Furnish 10" D.I. Pipe, Fittings, Valves, and restrainers.	40	L.F.	\$53.00	\$2,120.00
4	Install 10" D.I. Pipe, Fittings, Valves, and restrainers.	40	L.F.	\$48.00	\$1,920.00
5	Furnish 8" D.I. Pipe, Fittings, Valves, and restrainers.	5	L.F.	\$50.00	\$250.00
6	Install 8" D.I. Pipe, Fittings, Valves, and restrainers.	5	L.F.	\$45.00	\$225.00
7	Furnish 6" D.I. Pipe, Fittings, Valves, and restrainers.	53	L.F.	\$40.00	\$2,120.00
8	Install 6" D.I. Pipe, Fittings, Valves, and restrainers.	53	L.F.	\$35.00	\$1,855.00
9	Furnish 4" D.I. Pipe, Fittings, Valves, and restrainers.	138	L.F.	\$33.00	\$4,554.00
10	Install 4" D.I. Pipe, Fittings, Valves, and restrainers.	138	L.F.	\$28.00	\$3,864.00
11	Furnish and install 12"x12" Tapping Sleeve and 12" Tapping Valve, complete.	1	EA.	\$8,500.00	\$8,500.00
12	Making connection to an existing 10" Force Main	1	EA.	\$4,000.00	\$4,000.00
13	Making connection to an existing 8" Force Main	1	EA.	\$3,500.00	\$3,500.00
14	Making connection to an existing 6" Force Main	2	EA.	\$3,000.00	\$6,000.00
15	Making connection to an existing 4" Force Main	7	EA.	\$2,500.00	\$17,500.00
16	Furnish and Install Air Release Valve Assemblies Each (ARVs) for Force Main complete.	26	EA.	\$7,000.00	\$182,000.00
FDOT Pavement Restoration Items					
17	Compaction/ Stabilization of 12" Subgrade (LBR 40)	1,513	S.Y.	\$5.00	\$7,565.00
18	Furnish and Place 6" Type B-12.5 Over 5" Granular Subbase (LBR 100) (Optional Base Group 9)	1,513	S.Y.	\$16.00	\$24,208.00
19	Furnish and Place 2" Type SP Structural Course (Traffic C)	1,513	S.Y.	\$102.00	\$154,326.00
20	1.5" Friction Course FC-9.5 with PG 76-22, ARB	357	TN	\$114.00	\$40,698.00
21	Mill 1.5" Exist Friction Course	2,812	S.Y.	\$3.00	\$8,436.00
Pavement Restoration Items outside FDOT Right-of-Way					
22	Compaction/ Stabilization of 12" Subgrade (LBR 40)	1460	S.Y.	\$5.00	\$7,300.00
23	Furnish and Place 8" Limerock Base Material (LBR 100), Primed Entire Width	1460	S.Y.	\$15.00	\$21,900.00
24	Furnish and Place 1" Asphaltic Concrete Course	246	TN	\$95.00	\$23,370.00
25	Mill 1" Asphaltic Concrete Course	3457	S.Y.	\$2.00	\$6,914.00
26	Installation of Stamp Concrete	1340	S.F.	\$4.50	\$6,030.00
27	For restoring Sod areas	15	S.Y.	\$6.00	\$90.00
28	For restoring Concrete areas such as driveways, curbs and sidewalk	600	SF	\$16.00	\$9,600.00
29	Detectable warnings	10	EA.	\$50.00	\$500.00
30	Replace pavement markings	1	Aggr. Sum	\$15,000.00	\$15,000.00
			SUBTOTAL		\$1,317,595.00

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31	For performing preparatory work and operations in mobilizing for beginning the work of the Project, including preparation and acceptance of MOT, but excluding materials and permit costs, both of which are paid under other payment items, the aggregate sum price of (10%).	1	Aggr. Sum	-	\$131,759.50
32	For furnishing traffic control (10%).	1	Aggr. Sum	-	\$960.00
33	Performance Bond (5%)	1	Aggr. Sum	-	\$65,879.75
34	Permit Fees(0.5%).	1	Aggr. Sum	-	\$6,587.98
	Construction Costs		TOTAL		\$1,522,782.23

Engineer's Disclaimer

The Engineer's Opinion of Probable Construction Cost has been developed on the basis of experience and judgement as a qualified professional generally familiar with the industry. The Engineer does not have control over the cost of construction equipment, labor and materials or over a Contractor's means and methods of determining prices. The Engineer does not guarantee that bids or actual construction costs will not vary from the probable cost that has been prepared. If a greater assurance of probable cost is desired, then it is suggested the Owner obtain an estimate from a Contractor or independent cost estimator.