



CONSTRUCTION INDEPENDENT COST ESTIMATE
HALL-020 THREE ISLAND BOULEVARD TISND

Three Island Guardhouses & Traffic Calming Project = 3,095,604.00

Three Island Reuse Pipeline = 884,611.22

Total Cost= 3,980,215.55

Three Islands Guardhouses & Traffic Calming Project
Roadway Improvements Opinion of Project Cost
City of Hallandale Beach
Date 4/21/2021



Digitally
signed by
Alexander
D. Scheffer
Date:
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CTA Project No. 18-0038



CRMIN-THC/MPSON & ASSOCIATES INC.

Item Description	Quantity	Unit	Unit Price	Total
A. DEMOLITION				
1 Sewcut Existing Concrete / Asphalt	8,574	LF	\$ 3.00	\$ 25,722.00
2 Remove and Dispose of Existing Concrete Sidewalk	384	SY	\$ 9.50	\$ 3,648.00
3 Remove and Dispose of Existing Concrete Curb	573	LF	\$ 12.00	\$ 6,900.00
4 Asphalt, Limerock and Subgrade Removal for Excavation of Bioswale (Assumed Depth 4-6 ft)	1,013	SY	\$ 14.00	\$ 14,210.00
5 Remove Asphalt Speed Table	2	EA	\$ 3,500.00	\$ 7,000.00
6 Vacuum / Clean Existing Catch Basins	33	EA	\$ 350.00	\$ 19,250.00
			Subtotal A	\$ 76,730.00
B. ROADWAY				
1 Mill 1" of Existing Asphalt	43,130	SY	\$ 7.50	\$ 323,625.00
2 Resurface 1" min. of Type S-III Asphalt (Includes Tack Coat and Base Adjustment to Match Proposed and Existing Elevations)	43,130	SY	\$ 11.50	\$ 496,225.00
3 Furnish and Install Concrete Sidewalk (6" Thick)	385	SY	\$ 65.00	\$ 25,025.00
4 ADA Sidewalk Ramps (6" Thick Concrete with Detectable Warning Strip)	24	EA	\$ 4,000.00	\$ 96,000.00
5 Furnish and Install Type 'F' Curb & Gutter	5,950	LF	\$ 30.00	\$ 178,500.00
6 Stamped Asphalt Crosswalk	433	SY	\$ 55.00	\$ 23,815.00
7 Furnish and Install Brick Pavers (Including Base and Subgrade)	65	SY	\$ 135.00	\$ 8,775.00
8 Furnish and Install Raised Asphalt Speed Table Crosswalk	3	EA	\$ 12,500.00	\$ 37,500.00
9 6" White Thermoplastic Pavement Markings	45,700	LF	\$ 1.25	\$ 57,125.00
10 12" White Thermoplastic Pavement Markings	2,713	LF	\$ 2.75	\$ 7,466.25
11 18" White Thermoplastic Pavement Markings	3,850	LF	\$ 3.75	\$ 14,437.50
12 24" White Thermoplastic Pavement Markings	600	LF	\$ 4.75	\$ 2,850.00
13 Shared Bike Lane Pavement Markings	22	EA	\$ 250.00	\$ 5,500.00
14 Furnish and Install Roadway Regulatory Signage	19	EA	\$ 750.00	\$ 14,250.00
15 In-ground Roadway Lighting & Rectangular Rapid Flashing Beacon for Pedestrian Crossing Signage (Including Electrical Services & Conduits)	1	LS	\$ 47,500.00	\$ 47,500.00
16 Bioswale with Ballast Rock, Sand / Topsoil / Mulch Mix and Filter Fabric per Bioswale Details (Excludes Excavation Efforts covered under Demolition Item 4)	9,100	SF	\$ 15.00	\$ 136,500.00
			Subtotal B	\$ 1,475,093.75
C. LANDSCAPING				
1 Gumbo Limbo	21	EA	\$ 956.25	\$ 20,081.25
2 Southern Live Oak	12	EA	\$ 1,068.75	\$ 12,825.00
3 Bald Cypress	26	EA	\$ 1,113.75	\$ 28,957.50
4 Sabal Palm	42	EA	\$ 337.50	\$ 14,175.00
6 Montgomery Palm	32	EA	\$ 506.25	\$ 16,200.00
7 Montgomery Palm - Triple	1	EA	\$ 607.50	\$ 607.50
8 Shrubs (Including Sod / Turf Installation)	1	LS	\$ 58,000.00	\$ 58,000.00
			Subtotal C	\$ 150,846.25
D. IRRIGATION, LIGHTING & SIGNAGE				
1 Irrigation Modification (2 new pump stations / wells, new controllers, new mainline, new zones / heads & sleeving)	1	LS	\$ 147,000.00	\$ 147,000.00
2 Lighting Upgrades at Guardhouse & Landscape Area	1	LS	\$ 120,000.00	\$ 120,000.00
3 Upgrade Cobra Heads to LED (Existing Electrical Service and Pole to Remain)	60	EA	\$ 5,500.00	\$ 330,000.00
4 Install Raised Mast Arms (Existing Electrical Service and Pole to Remain)	60	EA	\$ 2,500.00	\$ 150,000.00
5 Monument Signage (Including LED Sign and Electrical Services)	2	EA	\$ 25,000.00	\$ 50,000.00
6 Guardhouse Gate Removal & Replacement	1	LS	\$ 30,000.00	\$ 30,000.00
7 Electronic Speed Feedback Signage (ESFS)	4	EA	\$ 12,500.00	\$ 50,000.00
			Subtotal D	\$ 877,000.00
Construction Subtotal				\$ 2,579,670.00
E. MISCELLANEOUS CONSTRUCTION COSTS				
1 Mobilization, Insurance, Bonding, Testing, Permits, Construction Layout			15% Construction Sub Total	\$ 386,950.50
2 Maintenance of Traffic			5% Construction Sub Total	\$ 128,983.50
Total Estimated Construction Cost				\$ 3,095,604.00

Alexander Scheffer, State of Florida, Professional Engineer, License No. 73802 This item has been electronically signed and sealed by Alexander Scheffer on the date indicated here using an SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.



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ENGINEER'S OPINION
OF PROBABLE COST
WORKSHEET

DATE
4/16/2021

PROJECT TITLE				CG&A PROJECT NO.		
Three Island Reuse Pipeline				19-3026		
Design and 60% Construction Opinion of Probable Costs						
LOCATION						
Hallandale, FL						
OWNER						
City of Hallandale						
ESTIMATED BY		KK	CHECKED BY	JDM	APPROVED BY	JRM
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT	
Bid Item Number	CONTRACT ITEMS					
1.01	General Conditions	1	LS	\$66,181.22	\$66,181.22	
1.02	Mobilization and Demobilization	1	LS	\$33,090.61	\$33,090.61	
1.03	Testing and Survey	1	LS	\$13,236.24	\$13,236.24	
1.04	Maintenance of Traffic	1	LS	\$19,854.36	\$19,854.36	
1.05	Stormwater Pollution Prevention	1	LS	\$6,618.12	\$6,618.12	
1.06	Permit Fees (Allowance)	1	AL	\$28,457.92	\$28,457.92	
1.07	Record Drawings	1	LS	\$6,618.12	\$6,618.12	
1.08	Trench Safety, Shoring, and Security Fencing	1	LS	\$6,618.12	\$6,618.12	
				SUBTOTAL	\$180,674.72	
REUSE WATER MAIN						
2.01	8" PVC Reuse Water Main (including trench restoration)	3,309	LF	\$56.25	\$186,120.00	
2.02	8" HDPE DR11 Reuse Water Main (Horizontal Directional Drill)	795	LF	\$131.25	\$104,383.13	
2.03	8" DIP	167	LF	\$68.75	\$11,495.00	
2.04	8" DIP 90° Bend	1	EA	\$575.58	\$575.58	
2.05	8" DIP 45° Bend	42	EA	\$526.93	\$22,025.67	
2.06	8" DIP 22.5° Bend	4	EA	\$515.00	\$2,060.00	
2.07	8" DIP Plug	2	EA	\$375.00	\$750.00	
2.08	8"x8" DIP Tee	2	EA	\$844.00	\$1,688.00	
2.09	8" DIP to PVC Adapter	2	EA	\$500.00	\$1,000.00	
2.10	2" Manual Blowoff Assembly	2	EA	\$1,500.00	\$3,000.00	
2.11	8"x2" Tapping Saddle and Corp Stop	7	EA	\$1,600.00	\$11,200.00	
2.12	8" Gate Valve and Box	10	EA	\$2,000.00	\$20,000.00	
2.13	Removal and Disposal of Unsuitable Soils, and Replacement	140	CY	\$35.00	\$4,887.75	
2.14	Type F Curb Replacement	107	LF	\$65.00	\$6,935.50	
2.15	2" PVC Reuse Service	177	LF	\$45.00	\$7,969.50	
2.16	2" Service Connection to Ex. Irrigation Meter	7	EA	\$500.00	\$3,500.00	
2.17	6" Concrete Sidewalk Replacement	8	SY	\$90.00	\$720.00	
2.18	Scavo Pump Station Rehabilitation	1	LS	\$5,000.00	\$5,000.00	
2.19	Scavo Pump Station Electrical Upgrades	1	LS	\$30,500.00	\$30,500.00	
2.20	Scavo Pump Station Instrumentation and Controls	1	LS	\$112,500.00	\$112,500.00	
2.21	Scavo Pump Station I&C Equipment Allowance	1	AL	\$10,000.00	\$10,000.00	
				SUBTOTAL	\$546,310.13	
POTABLE WATER MAIN						
3.01	2" Potable Water Service with backflow and meter	2	EA	\$1,850.00	\$3,700.00	
3.02	2" Gate Valve and Box	2	EA	\$750.00	\$1,500.00	
				SUBTOTAL	\$5,200.00	
TRADES SUBTOTAL =					\$551,510.13	
CONTINGENCY				20%	\$110,302.03	
SUBTOTAL FOR THE WORK INCLUDING FINAL CONTINGENCY					\$661,812.15	
TOTAL COST INCLUDING CONTRACT ITEMS					\$842,486.87	
Contractor Fee @ 5% =					\$42,124.34	
TOTAL Construction PRICE =					\$884,611.22	
Design and Construction Engineering Services PRICE =					\$117,615.00	
TOTAL PROJECT OPINION OF PROBABLE COSTS =					\$1,002,226.22	

