

B-50405 SW 71 Ave from SW 4th St to SW 8th St Roadway Improvements Project

ITEM	PAY ITEM	DESCRIPTION	UNITS	AVERAGE UNIT COST	QUANTITY	TOTAL AMOUNT
ROADWAY PAY ITEMS						
1	327-70-1	MILLING EXISTING ASPHALT (1" AVG. DEPTH)	SY		5115	
2	331-2-3	TYPE S-III ASPHALTIC CONCRETE (110 LBS/SY)	TN		282	
3	425-1-523	INLET, DITCH BOTTOM TYPE D, J BOTTOM,<10'	EA		7	
4	425-1-524	INLET, DITCH BOTTOM TYPE D, J BOTTOM,>10'	EA		2	
5	425-1-901	INLET, SPECIAL, TYPE F<10'	EA		3	
6	425-1-903	INLET, SPECIAL, TYPE F, J BOTTOM,<10'	EA		4	
7	425-5-1	MANHOLE (ADJUST)	EA		4	
8	425-6	WATER VALVE (ADJUST)	EA		6	
9	430-94-1	DESILTING PIPE, 0 - 24"	LF		334	
10	430-175-110	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 10" SD	LF		3	
11	430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" SD	LF		392	
12	443-70-4	FRENCH DRAIN, 24"	LF		1018	
13	520-1-10	CONCRETE CURB & GUTTER TYPE F	LF		190	
14	522-1	CONCRETE SIDEWALK (4") (INCLUDES DETECTABLE WARNING)	SY		470	
15	522-2	CONCRETE SIDEWALK (6")	SY		112	
16	570-1-2	PERFORMANCE TURF (SOD) (INCLUDES WATER AND FERTILIZER)	SY		820	
17	35-86-45	SWALE TRENCH	SY		290	
18	710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD (WHITE) (SOLID) (12")	LF		262	
19	710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD (WHITE) (SOLID) (24")	LF		60	
20	710-11-160	PAINTED, STANDARD, WHITE, MESSAGE	EA		1	
21	710-11-211	PAINTED PAVEMENT MARKINGS, STANDARD (YELLOW) (SOLID) (6")	NM		0.074	
22	710-11-231	PAINTED, STD., YELLOW SKIP, 6" (10'-30')	GM		0.029	
SUBTOTAL ROADWAY ITEMS=						

ITEM	PAY ITEM	DESCRIPTION	UNITS	AVERAGE UNIT COST	QUANTITY	TOTAL AMOUNT
SIGNING & PAVEMENT MARKING PAY ITEMS						
23	706-3	REFLECTIVE PAVEMENT MARKER	EA		17	
24	711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF		186	
25	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF		60	
26	711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE	EA		1	
27	711-16-211	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	NM		0.074	
28	711-16-231	THERMOPLASTIC, STANDARD, YELLOW SKIP, 6" (10'-30')	GM		0.029	
SUBTOTAL SIGNING AND PAVEMENT MARKINGS ITEMS=						

SUBTOTAL ALL AREAS						
29	102-1	MAINTENANCE OF TRAFFIC (5%)	LS		1	
30	101-1	MOBILIZATION (5%)	LS		1	
		PERMIT (1%)	LS		1	
		CONTINGENCY (DO NOT BID)	LS		1	
SUBTOTAL ROADWAY IMPROVEMENTS						

City of Miami Project No. B-50405
100% DESIGN COMPLETION ENGINEER'S OPINION OF CONSTRUCTION COST ESTIMATE
Water Main Improvements under JPA Project No. B-50405

ITEM	ITEM NO.	DESCRIPTION	UNITS	AVERAGE UNIT COST	QUANTITY	TOTAL AMOUNT	
WATER MAIN PAY ITEMS							
1		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 of (Divided into 2 or 4 payments. See Sect. 8.00 Measurement and Payment for Conditions)	LS		1		
2		For selling and delivering to the Department 12-inch ductile iron pipe and fittings for water main, the price per linear foot of	LF		1163		
3		For installing 12-inch ductile iron pipe and fittings for water main, the price per linear foot of	LF		1163		
4		For selling and delivering to the Department 8-inch ductile iron pipe, fittings and valves for water main, the price per linear foot of	LF		64		
5		For installing 8-inch ductile iron pipe, fittings and valves for water main, the price per linear foot of	LF		64		
6		For selling and delivering to the Department 6-inch ductile iron pipe, fittings and valves for water main, the price per linear foot of	LF		114		
7		For installing 6-inch ductile iron pipe, fittings and valves for water main, the price per linear foot of	LF		114		
8		For selling and delivering to the Department 12-inch mechanical joint resilient seated gate valves for water main, complete, the price each of	EA		2		
9		For installing 12-inch mechanical joint resilient seated gate valves for water main, complete, the price each of	EA		2		
10		For removing existing plug and connecting to existing water main at SW 71 Ave. and North of SW 8 St. (STA 11+62±) including furnishing and installing all fittings necessary for connection, and cutting and capping existing main, as shown on the Plans, complete, the price each of	EA		1		
11		For removing existing plug and connecting to existing water main at SW 71 Ave. and South of SW 4 St. (STA 23+20±) including furnishing and installing all fittings necessary for connection, and cutting and capping existing main, as shown on the Plans, complete, the price each of	EA		1		
12		For selling and delivering to the Department fire hydrant assemblies with guard posts, complete, the price each of	EA		5		
13		For installing fire hydrant assemblies with guard posts, complete, the price each of	EA		5		
14		For removing and salvaging existing fire hydrant assemblies with elbow/shoe and guard posts, complete, the price each of	EA		2		
15		For furnishing and installing 1-inch single service short, including reconnection of customer's service pipe and meter transfer, complete, the price each of	EA		8		
16		For furnishing and installing 1-inch dual service short, including reconnection of customer's service pipe and meter transfer, complete, the price each of (Contingent Item)	EA		2		
17		For constructing Flushing Valve Outlet Assemblies (FVOs) at the locations shown on the plans, complete, the price each of	EA		1		
18		For constructing Air Release Valve Assemblies (ARVs) for water mains at the locations shown on the Plans, complete, the price each of (Contingent Item)	EA		4		
19		For furnishing and installing polyethylene encasement for any size ductile iron pipe, fitting, or valve, if ordered by the Engineer, the price per linear foot of (Contingent Item)	LF		1341		
20		For trench overcut in 1-foot depth increments, for any size pipe, the price per linear foot of (Contingent Item)	LF		100		
21		For sheeting and shoring ordered left in place by the Engineer, the price per square foot of (Contingent Item)	SF		100		
22		For removal, transport and legal disposal of unsuitable backfill materials, including tipping fees, as ordered by the Engineer, the price per cubic yard of (Contingent Item)	CY		100		
23		For furnishing and installing additional suitable backfill material, as directed by the Engineer, the price per cubic yard of (Contingent Item)	CY		110		
24		For constructing limerock base for Type "M" permanent pavement repairs, the price per square yard of	SY		5		
25		For constructing Type "M" asphaltic concrete surface course permanent pavement repairs, the price per square yard of	SY		6		
26		For cold milling roadway surface course for permanent pavement repairs (nominal 1 inch thick) (area as shown on Plans), the price per square yard of (Contingent Item)	SY		23		
27		For constructing Type "V" permanent pavement repairs for roadway (nominal 1 inch thick machine-laid asphaltic concrete friction surface overlay), (area as shown on Plans), the price per square yard of (Contingent Item)	SY		23		
28		For constructing concrete sidewalk restoration to match existing, the price per square foot of (Contingent Item)	SF		500		
29		For constructing concrete curb and gutter restoration to match existing, the price per linear foot of (Contingent Item)	LF		100		
30		For furnishing traffic control, the aggregate sum of	LS		1		
31		SUBTOTAL WATER MAIN WORK					
32		For cost of required permits, fees, inspections, impact fees, if authorized by the Engineer. The sum of 3% of the Subtotal Item No. 31, (.03) x (Subtotal Water Main Work, Item No. 31) (Dedicated Allowance)	LS		1		
33		For cost of required permits, fees, inspections, impact fees, if authorized by the Engineer. The sum of 3% of the Subtotal Item No. 31, (.03) x (Subtotal Water Main Work, Item No. 31) (Dedicated Allowance)	LS		1		
		SUBTOTAL ALLOWANCES					
		SUBTOTAL WATER MAIN IMPROVEMENTS					
Note: For a detailed description of each Water Main Proposal Item, refer to Section 8.0 of the Water Main Specifications entitled "Measurement and Payment".							
		TOTAL CONSTRUCTION COST ESTIMATE					