

**Wastewater Improvements Along Congress Avenue & Forest Hill Boulevard
Opinion of Probable Construction Cost - December 8, 2016**



Item	Description	Quantity	Unit	Unit Cost	Item Cost		
Segment 1: Congress Ave. from Forest Hill Blvd. North to Off-Lease Only (Sheets C-1 to C-7)						Subtotal for Segment 1:	\$787,366
General Conditions							
1	Mobilization, Demobilization, Bonds & Insurance	1	LS	\$42,590.00	\$42,590.00	Contingency (15%)	\$118,100
2	Maintenance of Traffic	1	LS	\$17,750.00	\$17,750.00		
3	As-built Record Drawings	3,455	LF	\$3.50	\$12,092.50	Total Construction Cost	\$905,466
4	Audio Video Documentation	3,455	LF	\$1.50	\$5,182.50		
Force Main							
5	Furnish and Install 3" DIP Force Main	20	LF	\$30.00	\$600.00		
6	Furnish and Install 6" C-900 PVC Force Main	2,845	LF	\$50.00	\$142,250.00		
7	Furnish and Install 6" DIP Force Main	490	LF	\$60.00	\$29,400.00		
8	Furnish and Install 6" HDPE Force Main in existing 12" Casing under Congress Ave. after Removal of Existing 3" Force Main, including Bypass Pumping	100	LF	\$150.00	\$15,000.00		
9	Furnish and Install DI Fittings	2,452	LBS	\$7.00	\$17,160.50		
10	Furnish and Install 6" Gate Valves	8	EA	\$1,200.00	\$9,600.00		
11	Furnish and Install 4" Flushing Port and Valve	19	EA	\$4,000.00	\$76,000.00		
12	Furnish and Install Aerial Crossing, including Coated DIP, Fan Guard, & ARV	1	LS	\$60,000.00	\$60,000.00		
Restoration							
13	Asphalt Roadway Restoration	2,971	SY	\$75.00	\$222,825.00		
14	Curb and Gutter Restoration	1,139	LF	\$45.00	\$51,255.00		
15	Sidewalk Replacement	849	SY	\$50.00	\$42,460.00		
16	Sodding	540	SY	\$5.00	\$2,700.00		
17	Miscellaneous Restoration; landscape, signage, etc.	1	LS	\$40,500.00	\$40,500.00		
Segment 2: Congress Ave. from Marbill Road North to Summit and Crossing of Summit (Sheets C-8 to C-9)						Subtotal for Segment 2:	\$194,161
General Conditions							
1	Mobilization, Demobilization, Bonds & Insurance	1	LS	\$10,490.00	\$10,490.00	Contingency (15%)	\$29,100
2	Maintenance of Traffic	1	LS	\$4,370.00	\$4,370.00		
3	As-built Record Drawings	905	LF	\$3.50	\$3,167.50	Total Construction Cost	\$223,261
4	Audio Video Documentation	905	LF	\$1.50	\$1,357.50		
Force Main							
5	Furnish and Install 6" C-900 PVC Force Main	605	LF	\$50.00	\$30,250.00		
6	Furnish and Install 6" DIP Force Main	40	LF	\$60.00	\$2,400.00		
7	Furnish and Install 6" HDPE via HDD	260	LF	\$85.00	\$22,100.00		
8	Furnish and Install DI Fittings	637	LBS	\$7.00	\$4,459.00		
9	Furnish and Install 6" Gate Valves	3	EA	\$1,200.00	\$3,600.00		
10	Furnish and Install 4" Flushing Port and Valve	5	EA	\$4,000.00	\$20,000.00		
Restoration							
11	Asphalt Roadway Restoration	930	SY	\$75.00	\$69,750.00		
12	Curb and Gutter Restoration	145	LF	\$45.00	\$6,525.00		
13	Sidewalk Replacement	102	SY	\$50.00	\$5,122.00		
14	Sodding	14	SY	\$5.00	\$70.00		
15	Miscellaneous Restoration; landscape, signage, etc.	1	LS	\$10,500.00	\$10,500.00		
Segment 3: Forest Hill Boulevard (Sheets C-10 through C-14)						Subtotal for Segment 3:	\$456,829
General Conditions							
1	Mobilization, Demobilization, Bonds & Insurance	1	LS	\$24,700.00	\$24,700.00	Contingency (15%)	\$68,500
2	Maintenance of Traffic	1	LS	\$10,290.00	\$10,290.00		
3	As-built Record Drawings	2,050	LF	\$3.50	\$7,175.00	Total Construction Cost	\$525,329
4	Audio Video Documentation	2,050	LF	\$1.50	\$3,075.00		
Force Main							
6	Furnish and Install 6" C-900 PVC Force Main	1,930	LF	\$50.00	\$96,500.00		
7	Furnish and Install 6" DIP Force Main	120	LF	\$60.00	\$7,200.00		
10	Abandon Existing Force Main	1065	LF	\$5.00	\$5,325.00		
11	Furnish and Install DI Fittings	1,912	LBS	\$7.00	\$13,380.50		
12	Furnish and Install 6" Gate Valves	2	EA	\$1,200.00	\$2,400.00		

13	Furnish and Install 4" Flushing Port and Valve	9	EA	\$4,000.00	\$36,000.00
15	Core Existing Manhole	1	EA	\$5,000.00	\$5,000.00
16	Rehab Existing Manhole	2	EA	\$6,000.00	\$12,000.00
Restoration					
17	Asphalt Roadway Restoration	2,599	SY	\$75.00	\$194,925.00
18	Curb and Gutter Restoration	116	LF	\$45.00	\$5,220.00
19	Sidewalk Replacement	148	SY	\$50.00	\$7,418.00
20	Sodding	444	SY	\$5.00	\$2,220.00
21	Miscellaneous Restoration; landscape, signage, etc.	1	LS	\$24,000.00	\$24,000.00



Subtotal	\$1,438,355
Contingency (15%)	\$215,800
Total Construction Cost	\$1,654,155