

Engineer's Opinion of Probable Construction Cost

Belt Line Road (I.H. 635 to Southwestern/Denton Tap)

City of Coppell

Prepared on April 6, 2017



P. 1008-17-0176

Richardson Office

Item	Description	Unit	Quantity	Unit Price	Amount
Paving Improvements					
1	Traffic Control	LS	1	\$100,000.00	\$100,000.00
2	Temporary Pavement				
	2" HMA (SUPERPAVE MIXTURES SP-C PG70-22)	TON	2,600	\$80.00	\$208,000.00
	8" Flexible Base [FL BS (CMP IN PLACE)(TY A GR 1-2)(8")]	SY	22,400	\$18.00	\$403,200.00
	AllianceGeo BX 2525 or equivalent geogrid	SY	22,400	\$2.00	\$44,800.00
3	Remove and Dispose of Existing Concrete Pavement	SY	63,000	\$5.00	\$315,000.00
4	Furnish and Install Low Profile Barrier (Types 1 and 2)	LF	8,400	\$45.00	\$378,000.00
5	Move Low Profile Barrier (Types 1 and 2)	LF	8,400	\$10.00	\$84,000.00
6	Prepare Right-of-Way	LS	1	\$50,000.00	\$50,000.00
7	10" CRCP Street Paving	SY	89,200	\$70.00	\$6,244,000.00
8	4" HMA (SUPERPAVE MIXTURES SP-B PG64-22)	TON	20,100	\$76.00	\$1,527,600.00
9	6" Flexible Base [FL BS (CMP IN PLC)(TYA GR1-2) (6")]	SY	91,300	\$13.00	\$1,186,900.00
10	Reinforced Concrete Sidewalk Pavement	SF	83,000	\$6.00	\$498,000.00
11	Barrier Free Ramp	EA	80	\$1,500.00	\$120,000.00
12	Pavement Markings and Signage	LS	1	\$20,000.00	\$20,000.00
SUBTOTAL					\$11,180,000.00
Drainage Improvements					
1	Drainage Improvements (Limited to Inlet and minimal lateral reconstruction)	LS	1	\$410,000.00	\$410,000.00
SUBTOTAL					\$410,000.00
Water Improvements					
1	12-inch PVC Water	LF	6,300	\$80.00	\$504,000.00
2	16-inch PVC Water	LF	700	\$110.00	\$77,000.00
3	30% Allowance for Fittings, Reconnections, Hydrants, Casings, etc.	LS	1	\$174,000.00	\$174,000.00
SUBTOTAL					\$755,000.00
Sanitary Sewer Improvements					
1	12-inch PVC Wastewater	LF	5,000	\$85.00	\$425,000.00
2	15-inch PVC Wastewater	LF	3,200	\$100.00	\$320,000.00
3	18-inch PVC Wastewater	LF	400	\$120.00	\$48,000.00
4	24-inch PVC Wastewater	LF	1,400	\$150.00	\$210,000.00
5	30% Allowance for Manholes, Reconnections, Casings, etc.	LS	1	\$301,000.00	\$301,000.00
SUBTOTAL					\$1,304,000.00
Miscellaneous Improvements					
1	Median Landscape and Irrigation	Sta	84	\$2,750.00	\$231,000.00
2	Median Tree Removal and Replacement	EA	65	\$5,000.00	\$325,000.00
3	Parkway Sodding including Top Soil	LS	1	\$90,000.00	\$90,000.00
4	Median Monument sign	LS	1	\$20,000.00	\$20,000.00
4	Street lights & foundations	EA	50	\$5,500.00	\$275,000.00
5	Street lights conduit and conductors	LF	10,080	\$12.00	\$120,960.00
6	Temporary Span Wire Traffic Signal	EA	7	\$60,000.00	\$420,000.00
7	Permanent Mast Arm Traffic Signal	EA	2	\$125,000.00	\$250,000.00
SUBTOTAL					\$1,731,960.00
Mobilization					
1	Mobilization (5% of Construction Improvements)	LS	1	\$769,000.00	\$769,000.00
SUBTOTAL					\$769,000.00
SUMMARY					
Paving Improvements					\$11,180,000.00
Drainage Improvements					\$410,000.00
Water Improvements					\$755,000.00
Sanitary Sewer Improvements					\$1,304,000.00
Miscellaneous Improvements					\$1,731,960.00
Mobilization					\$769,000.00
SUBTOTAL					\$16,149,960.00
SUBTOTAL (Rounded -3)					\$16,150,000.00
CONTINGENCIES (20%)					\$3,230,000.00
CONSTRUCTION TOTAL					\$19,380,000.00

This statement was prepared utilizing standard cost estimation practices, and is not based on actual costs or bids for this project. It is understood and agreed that this is an estimate only, and that Half Associates, Inc. shall not be liable to the Owner or to a third party for any failure to accurately estimate the cost of the project, or any part thereof.