

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Priority 5: Kingwood Drive Grade Separation at Loop 494 and Railroad

Item Description	Measure	Unit Price	Quantity	Total Cost, \$
General Items				
Mobilization	LS	500,000	1	500,000
Traffic Control	LS	100,000	1	100,000
Trench Safety	LF	2	8,000	16,000
Overpass				
Dewatering	LS	1	100,000	100,000
Steel sheet piling (PZ-27)	SF	50	52,000	2,600,000
Remove steel sheet piling	SF	10	52,000	520,000
Excavation	CY	7	62,000	434,000
Retaining walls - Cast-in-Place	SF	50	33,000	1,650,000
Roadway				
Kingwood Drive Paving				
Demolition	SY	6	9,200	55,200
10" Conc. Pvg.	SY	60	8,300	498,000
Curb - 6"	LF	4	6,000	24,000
Lime stabilized Subgrade	SY	3	9,600	28,800
Lime stabilized Subgrade	Ton	170	280	47,600
Kingwood Drive Surface Connectors				
Demolition	SY	6		0
10" Conc. Pvg.	SY	60	8,900	534,000
Curb - 6"	LF	4	7,600	30,400
Lime stabilized Subgrade	SY	3	10,500	31,500
Lime stabilized Subgrade	Ton	170	310	52,700
RR crossing (pvmt insert)	EA	50,000	2	100,000
RR Signals	EA	100,000	2	200,000
Loop 494 Paving				
Demolition	SY	6	4,100	24,600
10" Conc. Pvg.	SY	60	10,400	624,000
Lime stabilized Subgrade	SY	3	11,000	33,000
Lime stabilized Subgrade	Ton	170	320	54,400
Temporary Paving				
Kingwood Drive Detour				
Temp Asp Pvg	SY	50	6,400	320,000
Lime stabilized Subgrade	SY	3	6,900	20,700
Lime	Ton	170	200	34,000
Remove temporary asphalt	SY	5	6,400	32,000
Loop 494 Detour				
Temp Asp Pvg	SY	50	7,300	365,000
Lime stabilized Subgrade	SY	3	7,800	23,400
Lime	Ton	170	220	37,400
Remove temporary asphalt	SY	5	7,300	36,500

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Item Description	Measure	Unit Price	Quantity	Total Cost, \$
Loop 494 Bridge				
Bridge	SF	110	10,000	1,100,000
RR Bridge				
Shoofly	LF	1,000	2,000	2,000,000
Remove Shoofly	LF	100	2,000	200,000
RR Bridge	LF	5,000	110	550,000
Remove track	LF	100	510	51,000
Track - new	LF	1,000	400	400,000
Traffic Signals				
Loop 494 / Kingwood Connectors - new	LS	200,000	1	200,000
Kingwood / Royal Forest - new	LS	100,000	1	100,000
Kingwood / Loop 494 detour - temporary - first	LS	50,000	1	50,000
Kingwood / Loop 494 detour - temporary - second	LS	50,000	1	50,000
Storm Sewers and Drainage				
Lift station	LS	400,000	1	400,000
24" Storm Sewer - in	LF	100	2,000	200,000
24" Storm Sewer - outside	LF	100	2,000	200,000
Utilities				
12" Water Line Relocations	LF	100	2,000	200,000
12" Sanitary Sewer Relocations	LF	100	2,000	200,000
Subtotal				15,028,200
Misc. Items - 30%				4,508,460
Subtotal				19,536,660
Contingency - 30%				5,860,998
Total				25,397,658