

PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST

Priority 4: Woodland Hills Four Lane Extension						
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
GENERAL CONSTRUCTION ITEMS						
1	01502	Mobilization	LS	1	\$740,670.58	\$740,670.58
2	01555	Traffic Control and Regulation	LS	1	\$400,000.00	\$400,000.00
3	01555	Flagmen	LS	1	\$150,000.00	\$150,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	1,500	\$53.00	\$79,500.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	1,500	\$5.25	\$7,875.00
6	01555	(Remove) Low Profile Concrete Barriers	LF	1,500	\$8.25	\$12,375.00
7	01570	Implementation and Maintenance of Stormwater Pollution Prevention Plan	LS	1	\$80,000.00	\$80,000.00
8	01570	Inlet Protection Barrier	EA	29	\$5.00	\$145.00
9	01575	Stabilized Construction Entrance/Exit	EA	4	\$2,500.00	\$10,000.00
10	01578	Ground Water Control for Open Cut Construction	LF	5,233	\$20.00	\$104,660.00
11	02221	Remove and Relocate traffic signs, roadway signs	EA	40	\$130.00	\$5,200.00
12	02260	Trench Safety System for trench excavations	LF	24,249	\$0.50	\$12,124.50
13	02893	Project Identification Signs	EA	4	\$750.00	\$3,000.00
14	02767	Rail Road Cross marking include stop lines	EA	2	\$370.00	\$740.00
Sub-Total GENERAL CONSTRUCTION ITEMS						\$1,606,290.98
PAVING ITEMS						
15	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	53,778	\$4.00	\$215,111.11
16	02752S	Saw Cutting	LF	44,292	\$6.00	\$265,752.00
17	02315	Roadway Excavation with or without subgrade	CY	17,926	\$5.00	\$89,629.63
18	02336	Lime Stabilized Subgrade 8-inch thick	SY	132,000	\$3.00	\$396,000.00
19	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	2,627	\$120.00	\$315,200.16
20	02751	Reinforced Concrete Pavement 10-inch thick	SY	117,333	\$80.00	\$9,386,666.67
21	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	6,230	\$110.00	\$685,336.67
22	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	18,150	\$6.00	\$108,900.00
23	02752	Horizontal 24" Dowels	EA	1,151	\$3.50	\$4,026.75
24	02771	Concrete Rail Road Header	LF	220	\$20.00	\$4,400.00
25	02931	Traffic Signals (per intersection)	EA	1	\$200,000.00	\$200,000.00
26	02771	6-Inch Concrete Curb	LF	88,000	\$5.00	\$440,000.00
Sub-Total PAVING ITEMS						\$12,111,022.98
STORM SEWER ITEMS						
27	02222	Remove/Dispose Storm Pipe 24-inch dia	LF	1,283	\$9.00	\$11,547.00
28	02222	Remove/Dispose Storm Pipe 30-inch dia	LF	298	\$9.00	\$2,682.00
29	02222	Remove/Dispose Storm Pipe 36-inch dia	LF	1,041	\$9.00	\$9,369.00
30	02222	Remove/Dispose Storm Pipe 42-inch dia	LF	545	\$15.00	\$8,175.00
31	02222	Remove/Dispose Storm Pipe 48-inch dia	LF	1,627	\$15.00	\$24,405.00
32	02222	Remove/Dispose Storm Pipe 60-inch dia	LF	309	\$20.00	\$6,180.00
33	02222	Remove/Dispose Storm Pipe 66-inch dia	LF	130	\$20.00	\$2,600.00
34	02222	Remove/Dispose Manholes all sizes/depth	EA	26	\$400.00	\$10,400.00
35	02222	Remove/Dispose Inlets all sizes/depth	EA	29	\$300.00	\$8,700.00
36	02631	24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	1,283	\$118.00	\$151,394.00
37	02631	30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	298	\$145.00	\$43,210.00
38	02631	36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	1,041	\$155.00	\$161,355.00
39	02631	42-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	545	\$251.00	\$136,795.00
40	02631	48-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	1,627	\$380.00	\$618,260.00
41	02631	60-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	309	\$510.00	\$157,590.00
42	02631	66-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF	130	\$525.00	\$68,250.00
43	1/02082/0	Type C manhole for 42-inch diameter and smaller sewers	EA	14	\$3,400.00	\$47,600.00
44	1/02082/0	Type C manhole for 48-inch to 72-inch diameter sewers	EA	12	\$6,000.00	\$72,000.00
45	02632 / 02633	Type BB Inlet	EA	25	\$2,700.00	\$67,500.00
46	02632 / 02633	Type B Inlet	EA	1	\$2,700.00	\$2,700.00

RIGHT-OF-WAY COSTS ARE NOT INCLUDED

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47	02632 / 02633	Type E Inlet	EA	3	\$2,700.00	\$8,100.00
Sub-Total STORM SEWER ITEMS						\$1,618,812.00
WATER ITEMS						
48	02221	Remove and Dispose 6-inch Diameter Water Line	LF	681	\$8.00	\$5,448.00
49	02221	Remove and Dispose 8-inch Diameter Water Line	LF	6,417	\$9.00	\$6,129.00
50	02221	Remove and Dispose 12-inch Diameter Water Line	LF	2,812	\$9.00	\$25,308.00
51	02221	Remove and Dispose 16-inch Diameter Water Line	LF	3,407	\$10.00	\$34,070.00
52	02511	6-inch water line w/ Restrained joints by Open-Cut	LF	681	\$125.00	\$85,125.00
53	02511	8-inch water line w/ Restrained joints by Open-Cut	LF	6,417	\$140.00	\$898,380.00
54	02511	12-inch water line w/ Restrained joints by Open-Cut	LF	2,812	\$210.00	\$590,520.00
55	02511	16-inch water line w/ Restrained joints by Open-Cut	LF	3,407	\$220.00	\$749,540.00
56	02520	Remove and salvage existing fire hydrant	EA	14	\$700.00	\$9,800.00
57	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	14	\$5,000.00	\$70,000.00
Sub-Total WATER ITEMS						\$2,474,320.00
SANITARY SEWER ITEMS						
58	02221	Remove Existing Sanitary Sewer Pipe (All Types)	LF	5,699	\$40.00	\$227,960.00
59	02531	6-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	198	\$90.00	\$17,820.00
60	02532	8-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	3,093	\$110.00	\$340,230.00
61	02531	12-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	1,326	\$130.00	\$172,380.00
61	02532	15-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	870	\$140.00	\$121,800.00
62	02532	21-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	212	\$150.00	\$31,800.00
Sub-Total SANITARY SEWER ITEMS						\$911,990.00
STREETSCAPE ITEMS						
63	02035	Tree Protection Fencing	LS	1	\$100,000.00	\$100,000.00
64	02110	Tree removal	LS	1	\$50,000.00	\$50,000.00
65	02110	Tree Mitigation	LS	1	\$375,000.00	\$375,000.00
66	02810	Irrigation Repairs	LS	1	\$10,000.00	\$10,000.00
Sub-Total STREETSCAPE ITEMS						\$535,000.00
Total BASE UNIT PRICE						\$19,257,435.06
EXTRA WORK ITEMS						
67	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
68	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
69	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
70	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
71	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
72	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00
73	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
74	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
Sub-Total EXTRA WORK ITEMS						\$11,000.00
CASH ALLOWANCE ITEMS						
75	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
76	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
77	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
78	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
79	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
80	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
81	01110	Railroad Right of Entry Permit	CA	1	\$800.00	\$800.00

RIGHT OF WAY COSTS ARE NOT INCLUDED

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82	01110	Railroad Boring Permits	CA	1	\$20,000.00	\$20,000.00
83	01110	Rail Road Flagman	CA	1	\$90,000.00	\$90,000.00
84	01110	Rail Road Cross Arm Expansion	CA	1	\$500,000.00	\$500,000.00
85	-	Right of Way Permit	CA	1	-	-
Sub-Total CASH ALLOWANCE ITEMS						\$646,805.00
Total ITEMS						\$19,915,240.06
CONTINGENCIES					25%	\$4,978,810.02
TOTAL PROJECT CONSTRUCTION COST						\$24,894,050.08

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