

GREENWAY CORRIDOR FEASIBILITY AND ASSESSMENT PROJECT

Knoxville, Tennessee
CORRIDOR C - FOURTH CREEK GREENWAY

ROSS/FOWLER, P.C.
PIN: 118342.00
FHWA: STP-M-9109(162)
TDOT: 47LPLM-F0-090

COST SUMMARY	
GREENWAY CORRIDOR	C
CORRIDOR LENGTH	2.08
SURVEY	\$50,100
GEOTECHNICAL	\$62,000
PERMITS - TDEC/USACE/TVA	\$5,000
EASEMENT/ACQUISITION DOCUMENT PREP.	\$18,500
RAILROAD CROSSING PERMIT REVIEW	\$10,000
DESIGN SERVICES	\$374,586
CONSTRUCTION	\$3,745,863
PROJECT TOTAL	\$4,266,049
TDOT NEPA	\$25,000
CEI	\$449,504
PROJECT TOTAL (FEDERAL/STATE \$\$)	\$4,740,553
EASEMENT/ACQUISITION**	
RESIDENTIAL (SF)	39,300
COMMERCIAL (SF)	34,800
INDUSTRIAL (SF)	
RAILROAD (SF)	
AGRICULTURAL (SF)	
** (FIGURES ARE PRELIMINARY. PROJECT TIMING AND FUNDING SOURCE WILL DETERMINE RIGHT-OF-WAY PROCEDURES AND COST.)	
GENERAL NOTES	
1. THESE COSTS ARE EXCLUDED FROM THIS ESTIMATE A. RIGHT-OF-WAY/EASEMENT ACQUISITION B. MAJOR UTILITY LINE RELOCATIONS C. NEW TRAFFIC SIGNALIZATION D. NEW STREET LIGHTING E. NEW PEDESTRIAN LIGHTING	
2. IN CORRIDOR A TENNOVA HOSPITAL IS PROPOSING TO BUILD 0.87 MILES OF GREENWAY TRAIL ON THEIR PROPERTY. THE COST OF THIS GREENWAY TRAIL CONSTRUCTION IS NOT INCLUDED IN THIS ESTIMATE.	

CONSTRUCTION COST					
		UNIT	QUANTITY	UNIT COST	TOTAL
MOBILIZATION	MOBILIZATION	LS	1	\$222,332.80	\$222,333
	MOBILIZATION SUBTOTAL				\$222,333
DEMOLITION	CLEARING (LIGHT)	AC	3	\$2,900.00	\$8,700
	ASPHALT REMOVAL	SY	2,950	\$3.00	\$8,850
	ASPHALT DRIVEWAY REMOVAL	SY	400	\$5.00	\$2,000
	CONCRETE SIDEWALK REMOVAL- 4"	SY	925	\$5.00	\$4,625
	CONCRETE DRIVEWAY REMOVAL	SY	220	\$12.00	\$2,640
	CONCRETE CURB REMOVAL	LF	430	\$2.00	\$860
	DEMOLISHED MATERIALS LOAD, HAUL & DUMP	CY	350	\$5.00	\$1,750
	TREE PRUNING	LS	1	\$15,000.00	\$15,000
	FIRE HYDRANT REMOVAL & STORAGE	EA	4	\$1,150.00	\$4,600
	SILT FENCE	LF	50,900	\$2.00	\$101,800
	SEDIMENT TRAPS	EA	20	\$400.00	\$8,000
	DEMOLITION SUBTOTAL				\$158,825
GRADING	STRIPPING TOPSOIL	CY	3,120	\$2.00	\$6,240
	STRUCTURAL EXCAVATION	CY	22,000	\$6.00	\$132,000
	ROCK EXCAVATION	CY	22,000	\$6.00	\$132,000
	STRUCTURAL BACKFILL	CY	1,150	\$6.00	\$6,900
	FINAL GRADING	SF	255,450	\$0.25	\$63,863
	GRADING SUBTOTAL				\$341,003
STORM DRAINAGE	18" RCP INSTALLED	LF	5,235	\$54.00	\$282,690
	ADJUST EXISTING COVERS AND CASTINGS	EA	20	\$400.00	\$8,000
	JUNCTION BOX/CATCH BASIN	EA	20	\$2,500.00	\$50,000
	STORM DRAINAGE SUBTOTAL				\$340,690
UTILITIES	RE-SET 3/4" WATER METER	EA	30	\$500.00	\$15,000
	FIRE HYDRANT	EA	6	\$3,715.00	\$22,290
	UTILITY RELOCATION ALLOWANCE	LS	1	\$64,056.00	\$64,056
	UTILITES SUBTOTAL				\$101,346
PAVING	CONCRETE CURB & GUTTER	LF	5,235	\$12.00	\$62,820
	PLAIN CONCRETE WALK (PEDESTRIAN)	LF	90	\$50.00	\$4,500
	12' ASPHALT ROADWAY	LF	1,345	\$80.00	\$107,600
	CONCRETE DRIVEWAY REPLACEMENT	SF	1,000	\$6.00	\$6,000
	2' ASPHALT REPAIR STRIP @ CURB & GUTTER	LF	4,379	\$10.00	\$43,790
	ASPHALT DRIVEWAY REPLACEMENT	SY	610	\$13.00	\$7,930
	1" C-S BITUMINOUS SURFACE COURSE	TON	670	\$129.00	\$86,488
	2" B-MODIFIED BITUMINOUS BASE COURSE	TON	1,367	\$93.00	\$127,087
	6" COMPACTED AGGREGATE, CLASS A, GRADE D	TON	3,737	\$35.00	\$130,781
	PEDESTRIAN RAILROAD CROSSING	EA	1	\$15,000.00	\$15,000
	PAVING SUBTOTAL				\$591,997
WALLS	4' HIGH - CONC. RET.- FORMLINER	LF	450	\$180.00	\$81,000
	6' HIGH - CONC. RET.- FORMLINER	LF	200	\$203.00	\$40,600
	10' HIGH - CONC. RET.- FORMLINER	LF	1,100	\$295.00	\$324,500
	WALLS SUBTOTAL				\$446,100
SITE FURNISHINGS	TRASH RECEPTACLES	EA	6	\$700.00	\$4,200
	BENCHES	EA	2	\$1,000.00	\$2,000
	BOLLARD	EA	23	\$1,000.00	\$23,000
	PEDESTRIAN GUARDRAIL, PAINTED STEEL	LF	1,750	\$80.00	\$140,000
	SITE FURNISHINGS SUBTOTAL				\$169,200
SIGNAGE	TRAFFIC SIGNAGE ALLOWANCE	LS	1	\$5,000.00	\$5,000
	WAYFINDING SIGNAGE ALLOWANCE	LS	1	\$20,000.00	\$20,000
	PEDESTRIAN SIGNALS (2 POLES + HEADS)	EA	2	\$30,000.00	\$60,000
	MID-BLOCK PED SIGNALS (2 POLES + FLASHERS)	EA	1	\$35,000.00	\$35,000
	SIGNAGE SUBTOTAL				\$120,000
PLANTING	SEEDING ALLOWANCE	LS	1	\$75,000.00	\$75,000
	PLANTING ALLOWANCE	LS	1	\$60,000.00	\$60,000
	PLANTING SUBTOTAL				\$135,000
USE AREAS	USE AREA ALLOWANCE	LS	1	\$225,000.00	\$225,000
	OVERLOOK ALLOWANCE	LS	1	\$150,000.00	\$150,000
	USE AREA ALLOWANCE SUBTOTAL				\$375,000
	GRAND SUB-TOTAL				\$3,001,493
	PROFIT (4%)				\$120,060
	SUBTOTAL				\$3,121,553
	ESTIMATING CONTINGENCY (20%)				\$624,311
	GRAND TOTAL				\$3,745,863