

GREENWAY CORRIDOR FEASIBILITY AND ASSESSMENT PROJECT

Knoxville, TN

CORRIDOR A - JEAN TEAGUE GREENWAY EXTENSION

ROSS/FOWLER, P.C.

PIN: 118342.00

FHWA: STP-M-9109(162)

TDOT: 47LPLM-F0-090

COST SUMMARY	
GREENWAY CORRIDOR	A
CORRIDOR LENGTH	1.40 mi.
RELATED PROJECTS*	0.87 mi.
TOTAL CORRIDOR LENGTH	2.27 mi.
SURVEY	\$65,250
GEOTECHNICAL	\$5,000
PERMITS- TDEC/USACE/TVA	\$70,000
EASEMENT/ACQUISITION DOCUMENT PREP.	\$21,000
RAILROAD CROSSING PERMIT REVIEW	\$0
DESIGN SERVICES	\$185,725
CONSTRUCTION	\$1,857,246
PROJECT TOTAL	\$2,204,221
TDOT NEPA CEI	\$25,000
	\$222,870
PROJECT TOTAL (FEDERAL/STATE \$\$)	\$2,452,091
* SEE NOTE 2	
EASEMENT/ACQUISITION **	
RESIDENTIAL (SF)	247,750
COMMERCIAL (SF)	137,800
INDUSTRIAL (SF)	7,500
RAILROAD (SF)	0
AGRICULTURAL (SF)	0
** (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	\$112,000	\$112,000
	MOBILIZATION SUBTOTAL				\$112,000
DEMOLITION	ASPHALT DRIVEWAY REMOVAL	SY	733	\$5.00	\$3,665
	CONCRETE SIDEWALK 4" W/REINF. REMOVAL	SY	1,287	\$5.00	\$6,435
	CONCRETE DRIVEWAY REMOVAL	SY	333	\$12.00	\$3,996
	DEMOLISHED MATERIALS LOAD, HAUL & DUMP	CY	260	\$5.00	\$1,300
	TREE PRUNING	LS	1	\$15,000.00	\$15,000
	FIRE HYDRANT REMOVAL & STORAGE	EA	4	\$1,150.00	\$4,600
	SILT FENCE	LF	7,160	\$2.00	\$14,320
	SEDIMENT TRAPS	EA	10	\$400.00	\$4,000
	DEMOLITION SUBTOTAL				\$53,316
GRADING	STRIPPING TOPSOIL	LF	7,160	\$2.00	\$14,320
	STRUCTURAL EXCAVATION	LF	5,284	\$6.00	\$31,704
	STRUCTURAL BACKFILL	LF	1,876	\$6.00	\$11,256
	GRADING SUBTOTAL				\$57,280
STORM DRAINAGE	18" RCP INSTALLED	LF	2,726	\$54.00	\$147,204
	ADJUST EXISTING COVERS AND CASTINGS	EA	10	\$400.00	\$4,000
	JUNCTION BOX/CATCH BASIN	EA	10	\$2,500.00	\$25,000
	29"x45" RCP INSTALLED	LF	10	\$300.00	\$3,000
	STORM DRAINAGE SUBTOTAL				\$179,204
UTILITIES	RE-SET 3/4" WATER METER	EA	31	\$500.00	\$15,500
	FIRE HYDRANT	EA	4	\$3,715.00	\$14,860
	UTILITY RELOCATION ALLOWANCE	LS	1	\$42,960.00	\$42,960
	UTILITES SUBTOTAL				\$73,320
PAVING	CONCRETE CURB & GUTTER	LF	2,726	\$12.00	\$32,712
	CONCRETE DRIVEWAY REPLACEMENT	SF	3,000	\$6.00	\$18,000
	2' ASPHALT REPAIR STRIP @ CURB & GUTTER	LF	2,446	\$10.00	\$24,460
	ASPHALT DRIVEWAY REPLACEMENT	SY	733	\$13.00	\$9,529
	1" C-S BITUMINOUS SURFACE COURSE	TON	450	\$129.00	\$58,005
	2" B-MODIFIED BITUMINOUS BASE COURSE	TON	916	\$93.00	\$85,233
	6" COMPACTED AGGREGATE, CLASS A, GRADE D	TON	2,506	\$35.00	\$87,710
	PAVING SUBTOTAL				\$315,648
WALLS	3' HIGH - CONC. RETAINING- FORMLINER	LF	200	\$82.00	\$16,400
	4' HIGH - CONC. RET.- BRICK VENEER/P.C. CAP	LF	374	\$215.00	\$80,410
	WALLS SUBTOTAL				\$96,810
SITE FURNISHINGS	CHAIN LINK FENCE, VINYL-COATED, 4'HT.	LF	100	\$86.00	\$8,600
	TRASH RECEPTACLES	EA	2	\$700.00	\$1,400
	BENCHES	EA	1	\$1,000.00	\$1,000
	BOLLARD	EA	15	\$1,000.00	\$15,000
	PEDESTRIAN GUARDRAIL, PAINTED STEEL	LF	30	\$80.00	\$2,400
	SITE FURNISHINGS SUBTOTAL				\$28,400
SIGNAGE	TRAFFIC SIGNAGE ALLOWANCE	LS	1	\$5,000.00	\$5,000
	WAYFINDING SIGNAGE ALLOWANCE	LS	1	\$10,000.00	\$10,000
	MID-BLOCK PED SIGNALS (2 POLES + FLASHERS)	EA	1	\$35,000.00	\$35,000
	PEDESTRIAN SIGNALS (2 POLES + HEADS)	EA	1	\$30,000.00	\$30,000
	SIGNAGE SUBTOTAL				\$80,000
PLANTING	SEEDING ALLOWANCE	LS	1	\$46,500.00	\$46,500
	PLANTING ALLOWANCE	LS	1	\$20,700.00	\$20,700
	PLANTING SUBTOTAL				\$67,200
NEIGHBORHOOD PARK	NEIGHBORHOOD PARK ALLOWANCE	LS	1	\$425,000.00	\$425,000
	NEIGHBORHOOD PARK SUBTOTAL				\$425,000
	GRAND SUB-TOTAL				\$1,488,178
	PROFIT (4%)				\$59,527
	SUBTOTAL				\$1,547,705
	ESTIMATING CONTINGENCY (20%)				\$309,541
	GRAND TOTAL				\$1,857,246