

PRELIMINARY COST ESTIMATE

Treyburn Farms - Bluegrass Trail Extension

July 25, 2019



Extension of Bluegrass Trail from current termini to the south intersection with Lexington Way/Goehl Road. Improvements to include the extension of the sanitary sewer, water main, storm sewer, curb, sidewalk and pavement as well as residential lighting and tree planting.

Estimated Sanitary Sewer Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
950	LF	Sanitary Sewer Main, 8-Inch PVC	\$62.00	\$58,900.00
3	EA	Sanitary Sewer Manhole	\$2,500.00	\$7,500.00
700	LF	Sanitary Sewer Lateral, 6-Inch PVC	\$46.00	\$32,200.00
1	EA	Connect to Existing Sanitary Sewer Main	\$1,500.00	\$1,500.00
1,650	LF	Granular Backfill, Sanitary Sewer	\$10.00	\$16,500.00
Engineering and Contingencies				\$9,328.00
Total Sanitary Sewer Construction Cost				\$125,928.00

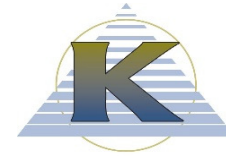
Estimated Water Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
1,100	LF	Water Main, 8-Inch DI	\$75.00	\$82,500.00
1	EA	Gate Valve and Box, 8-Inch	\$2,200.00	\$2,200.00
2	EA	Hydrant Assembly and Lead	\$6,000.00	\$12,000.00
700	LF	Water Service Pipe, 1-Inch Copper	\$55.00	\$38,500.00
2	EA	Connect to Existing Water Main	\$4,500.00	\$9,000.00
1,800	LF	Granular Backfill, Water Main	\$12.00	\$21,600.00
Engineering and Contingencies				\$13,264.00
Total Water Construction Cost				\$179,064.00

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Estimated Roadway Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
450	LF	Storm Sewer Main, 18-Inch RCP	\$68.00	\$30,600.00
50	LF	Storm Sewer Main and Leads, 12-Inch RCP	\$64.00	\$3,200.00
4	EA	Storm Sewer Catch Basin	\$2,000.00	\$8,000.00
500	LF	Granular Backfill, Storm Sewer	\$12.00	\$6,000.00
2,200	LF	Concrete Curb and Gutter, 30-Inch	\$13.00	\$28,600.00
13,500	SF	Concrete Sidewalk, 4-Inch Depth	\$5.50	\$74,250.00
2	EA	Detectable Warning Field	\$300.00	\$600.00
1	LS	Unclassified Excavation	\$65,000.00	\$65,000.00
800	CY	Undercutting and Base Course Material	\$32.00	\$25,600.00
2,400	TN	Aggregate Base Dense, 12-Inch Depth	\$14.00	\$33,600.00
1,500	SY	Geotextile Fabric	\$2.50	\$3,750.00
1,100	TN	Hot Mix Asphalt Pavement, 4-Inch Depth	\$75.00	\$82,500.00
20	EA	Street Tree	\$350.00	\$7,000.00
2,500	SY	Topsoil, Seed, Fertilizer and Mulch	\$8.00	\$20,000.00
1	LS	Erosion Control	\$10,000.00	\$10,000.00
1	LS	Traffic Control and Access	\$5,000.00	\$5,000.00
Engineering and Contingencies				\$32,296.00
Total Roadway Construction Cost				\$435,996.00

Summary of Cost

Estimated Construction Cost	\$686,100.00
Engineering and Contingencies	\$54,888.00
Total Estimated Project Cost	\$740,988.00