

PRELIMINARY COST ESTIMATE

Rood Avenue Reconstruction

July 25, 2019



Reconstruction of Rood Avenue from STH 19/East Madison Street to Pierce Street. To include replacement of sanitary sewer mains, structures and laterals; replacement of water mains, structures and services; replacement of storm sewer mains, structures, laterals and drain tie behind the curb and gutter; replacement of curb and gutter, sidewalk, driveway approaches, curb ramps; placement of road base and asphalt pavement; restoration of disturbed areas.

Estimated Sanitary Sewer Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
500	LF	Sanitary Sewer Main, 8-Inch PVC	\$65.00	\$32,500.00
400	LF	Sanitary Sewer Lateral, 6-Inch PVC	\$50.00	\$20,000.00
3	EA	Sanitary Sewer Manhole	\$2,500.00	\$7,500.00
900	LF	Granular Backfill, Sanitary Sewer	\$10.00	\$9,000.00
0.5	LS	Erosion Control	\$5,000.00	\$2,500.00
0.5	LS	Traffic Control and Access	\$5,000.00	\$2,500.00
Engineering and Contingencies				\$7,400.00
Total Sanitary Sewer Construction Cost				\$81,400.00

Estimated Storm Sewer and Roadway Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
500	LF	Storm Sewer Main and Leads, 24-Inch RCP	\$75.00	\$37,500.00
100	LF	Storm Sewer Main and Leads, 12-Inch RCP	\$64.00	\$6,400.00
5	EA	Storm Sewer Manhole	\$3,200.00	\$16,000.00
6	EA	Storm Sewer Catch Basin	\$2,000.00	\$12,000.00
1,000	LF	Storm Sewer Drain Tile, 4-Inch HDPE	\$6.00	\$6,000.00
600	LF	Granular Backfill, Storm Sewer	\$12.00	\$7,200.00
1,100	LF	Concrete Curb and Gutter, 30-Inch	\$14.00	\$15,400.00
1,500	SF	Concrete Driveway Approach 6-Inch	\$7.00	\$10,500.00
4,200	SF	Concrete Sidewalk, 4-Inch	\$6.00	\$25,200.00
6	EA	Detectable Warning Field	\$300.00	\$1,800.00
1	LS	Unclassified Excavation	\$40,000.00	\$40,000.00
250	CY	Undercutting and Base Course Material	\$32.00	\$8,000.00
800	TN	Aggregate Subbase Dense, 3-Inch	\$15.00	\$12,000.00
800	TN	Aggregate Base Dense, 1-1/4-Inch	\$15.00	\$12,000.00
700	SY	Geotextile Fabric	\$3.00	\$2,100.00
750	TN	Hot Mix Asphalt Pavement	\$75.00	\$56,250.00
1,000	SY	Topsoil, Seed, Fertilizer and Mulch	\$8.00	\$8,000.00
0.5	LS	Erosion Control	\$5,000.00	\$2,500.00
0.5	LS	Traffic Control and Access	\$5,000.00	\$2,500.00
Engineering and Contingencies				\$28,135.00
Total Storm Sewer and Roadway Construction Cost				\$309,485.00

Summary of Cost

Estimated Construction Cost	\$355,350.00
Engineering and Contingencies	\$35,535.00
Total Estimated Project Cost	\$390,885.00