

City of Waterloo, Wisconsin
PRELIMINARY COST ESTIMATE
Mill Street Reconstruction
 July 12, 2017



Reconstruction of Mill Street from East Madison north to Termini. To include replacement of sanitary sewer mains, structures and lateral; water mains, structures and services; curb and gutter; sidewalk; driveway approaches; curb ramps; road base; asphalt pavement; restoration of disturbed areas. Sanitary sewer flow to be redirected to Cleveland Street.

Estimated Sanitary Sewer Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
1,200	LF	Sanitary Sewer Main, 8-Inch PVC	\$58.00	\$69,600.00
850	LF	Sanitary Sewer Lateral, 6-Inch PVC	\$46.00	\$39,100.00
5	EA	Sanitary Sewer Manhole	\$4,600.00	\$23,000.00
2,050	LF	Granular Backfill, Sanitary Sewer	\$15.00	\$30,750.00
0.33	LS	Erosion Control	\$5,000.00	\$1,650.00
0.33	LS	Traffic Control and Access	\$10,000.00	\$3,300.00
Engineering and Contingencies				\$20,088.00
Total Sanitary Sewer Construction Cost				\$187,488.00

Estimated Water Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
1,200	LF	Water Main, 8-Inch DI	\$68.00	\$81,600.00
1	EA	Gate Valve and Box, 8-Inch	\$1,800.00	\$1,800.00
2	EA	Hydrant Assembly and Lead	\$6,500.00	\$13,000.00
850	LF	Water Service Pipe, 1-Inch Copper	\$52.00	\$44,200.00
3	EA	Connect to Existing Water Main	\$1,200.00	\$3,600.00
2,050	LF	Granular Backfill, Water Main	\$12.00	\$24,600.00
0.33	LS	Erosion Control	\$5,000.00	\$1,650.00
0.33	LS	Traffic Control and Access	\$10,000.00	\$3,300.00
Engineering and Contingencies				\$20,850.00
Total Water Construction Cost				\$194,600.00

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Estimated Storm Sewer & Roadway Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
1,800	LF	Storm Sewer Main and Leads, 12-Inch RCP	\$68.00	\$122,400.00
4	EA	Storm Sewer Manhole	\$2,500.00	\$10,000.00
8	EA	Storm Sewer Catch Basin	\$1,750.00	\$14,000.00
1,800	LF	Granular Backfill, Storm Sewer	\$10.00	\$18,000.00
3,000	LF	Concrete Curb and Gutter, 30-Inch	\$12.50	\$37,500.00
6,500	SF	Concrete Driveway Approach 6-Inch	\$6.25	\$40,625.00
8,000	SF	Concrete Sidewalk, 4-Inch	\$5.50	\$44,000.00
6	EA	Detectable Warning Field	\$300.00	\$1,800.00
1	LS	Unclassified Excavation	\$42,000.00	\$42,000.00
700	CY	Undercutting and Base Course Material	\$28.50	\$19,950.00
1,800	TN	Aggregate Base Dense, 1-1/4-Inch	\$16.00	\$28,800.00
1,300	SY	Geotextile Fabric	\$1.50	\$1,950.00
		Hot Mix Asphalt Pavement, 3 LT 58-28 S and 4 LT 58-		
900	TN	28 S	\$65.00	\$58,500.00
2,400	SY	Topsoil, Seed, Fertilizer and Mulch	\$8.00	\$19,200.00
0.33	LS	Erosion Control	\$5,000.00	\$1,650.00
0.33	LS	Traffic Control and Access	\$10,000.00	\$3,300.00
		Engineering and Contingencies		\$55,641.00
Total Storm and Roadway Construction Cost				\$519,316.00

Summary of Cost

Estimated Construction Cost	\$804,825.00
Engineering and Contingencies	\$96,579.00
Total Estimated Project Cost	\$901,404.00