

City of Waterloo, Wisconsin
PRELIMINARY COST ESTIMATE
Cleveland Street Reconstruction

July 12, 2017



Reconstruction of Cleveland Street from Mill Street to Hendricks Street. To include replacement of sanitary sewer mains, structures and lateral; replacement of water mains, structures and services; replacement of storm sewer mains, structures and laterals; installation of curb and gutter, sidewalk on south side, driveway approaches, curb ramps; placement of road base and asphalt pavement; restoration of disturbed areas. Sanitary sewer flow to be directed to Hendricks Street.

Estimated Sanitary Sewer Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
950	LF	Sanitary Sewer Main, 8-Inch PVC	\$58.00	\$55,100.00
450	LF	Sanitary Sewer Lateral, 6-Inch PVC	\$46.00	\$20,700.00
4	EA	Sanitary Sewer Manhole	\$4,600.00	\$18,400.00
1,400	LF	Granular Backfill, Sanitary Sewer	\$15.00	\$21,000.00
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				\$14,418.00
Total Sanitary Sewer Construction Cost				\$134,568.00

Estimated Water Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
1,000	LF	Water Main, 8-Inch DI	\$68.00	\$68,000.00
2	EA	Gate Valve and Box, 8-Inch	\$1,800.00	\$3,600.00
1	EA	Hydrant Assembly and Lead	\$6,500.00	\$6,500.00
450	LF	Water Service Pipe, 1-Inch Copper	\$52.00	\$23,400.00
3	EA	Connect to Existing Water Main	\$1,200.00	\$3,600.00
1,450	LF	Granular Backfill, Water Main	\$12.00	\$17,400.00
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				\$15,294.00
Total Water Construction Cost				\$142,744.00

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Estimated Storm Sewer and Roadway Quantities

Quantity	Unit	Item	Unit Cost	Item Cost
38	LF	Concrete Box Culvert, 10-Foot Span by 6-Foot Rise	\$1,000.00	\$38,000.00
2	EA	Concrete Box Culvert End Wall	\$7,600.00	\$15,200.00
850	LF	Storm Sewer Main and Leads, 12-Inch RCP	\$68.00	\$57,800.00
3	EA	Storm Sewer Manhole	\$2,500.00	\$7,500.00
6	EA	Storm Sewer Catch Basin	\$1,750.00	\$10,500.00
888	LF	Granular Backfill, Storm Sewer	\$10.00	\$8,880.00
2,200	LF	Concrete Curb and Gutter, 30-Inch	\$12.50	\$27,500.00
3,300	SF	Concrete Driveway Approach 6-Inch	\$6.25	\$20,625.00
6,000	SF	Concrete Sidewalk, 4-Inch	\$5.50	\$33,000.00
4	EA	Detectable Warning Field	\$300.00	\$1,200.00
1	LS	Unclassified Excavation	\$32,000.00	\$32,000.00
550	CY	Undercutting and Base Course Material	\$28.50	\$15,675.00
1,400	TN	Aggregate Base Dense, 1-1/4-Inch	\$16.00	\$22,400.00
1,000	SY	Geotextile Fabric	\$1.50	\$1,500.00
750	TN	Hot Mix Asphalt Pavement, 3 LT 58-28 S and 4 LT 58-28 S	\$65.00	\$48,750.00
2,100	SY	Topsoil, Seed, Fertilizer and Mulch	\$8.00	\$16,800.00
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				\$43,473.60
Total Storm Sewer and Roadway Construction Cost				\$405,753.60

Summary of Cost

Estimated Construction Cost	\$609,880.00
Engineering and Contingencies	\$73,185.60
Total Estimated Project Cost	\$683,065.60