



Engineer's Opinion of Cost
Southfield Rd Water Main Abandonment

August 25, 2026

City of Lathrup Village
Oakland County, Michigan

Location: Southfield Road (Rainbow Dr. to Margate Ave.)

<u>ITEM</u>	<u>UNIT</u>	<u>PLANNED</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
MOBILIZATION, MAX. \$5,300.00	LSUM	1	\$ 5,300.00	\$ 5,300.00
PRESSURE GROUTING	Cyd	7	\$ 185.00	\$ 1,345.00
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, FURN	Ea	2	\$ 79.00	\$ 158.00
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, OPER	Ea	2	\$ 1.00	\$ 2.00
PEDESTRIAN TYPE II BARRICADE, TEMP	Ea	10	\$ 65.00	\$ 650.00
LIGHTED ARROW, TYPE C, FURN	Ea	1	\$ 499.00	\$ 499.00
LIGHTED ARROW, TYPE C, OPER	Ea	1	\$ 1.00	\$ 1.00
PLASTIC DRUM, FLUORESCENT, FURN	Ea	25	\$ 24.00	\$ 600.00
PLASTIC DRUM, FLUORESCENT, OPER	Ea	25	\$ 1.00	\$ 25.00
SIGN, TYPE B, TEMP, PRISMATIC, FURN	Sft	60	\$ 9.00	\$ 540.00
SIGN, TYPE B, TEMP, PRISMATIC, OPER	Sft	60	\$ 1.00	\$ 60.00
TURF ESTABLISHMENT, PERFORMANCE, MODIFIED	Syd	700	\$ 13.00	\$ 9,100.00
WATER MAIN, 12 INCH, CUT AND PLUG	Ea	2	\$ 2,000.00	\$ 4,000.00
WATER MAIN, DI, 12 INCH, TR DET G	Ft	160	\$ 200.00	\$ 32,000.00
WATER MAIN, REM	Ft	10	\$ 35.00	\$ 350.00
IRRIGATION SYSTEM REPR, HEAD, MODIFIED	Ea	10	\$ 125.00	\$ 1,250.00
IRRIGATION SYSTEM REPR, PIPE, MODIFIED	Ft	25	\$ 12.00	\$ 300.00
REIMBURSED PERMIT FEES	Dlr	2,000	\$ 1.00	\$ 2,000.00
Total Estimated Construction				\$ 58,180.00
Estimated Engineering Cost (25%):				\$ 14,545.00
Estimated Project Cost				\$ 72,725.00