

Wastewater Capital Improvements Project
 24th Street North Pipeline Upgrade, 3rd
 Ave N to 1st Ave N

Project Identifier: 2a

Objective: Increase pipeline capacity to accommodate future growth.

Potential Issues:

- Maintaining services during construction.
- Consider evaluating pipe bursting during pre-design

Project Location:
 Along 24th Street from 1st Avenue to 3rd Avenue



Items	Unit	Unit Price	Estimated Quantity	Estimated Cost (2017)
12-inch Pipe - Excavation, Backfill	LF	\$ 95	780	\$ 74,100
Manholes - 48"	EA	\$ 3,000	4	\$ 12,000
Existing Utility Protection	LF	\$ 4	780	\$ 3,120
Traffic Control - Without Flagging	LF	\$ 4	780	\$ 3,120
Half Lane Pavement Repair	LF	\$ 25	780	\$ 19,500
Reconnect Services	LF	\$ 14	780	\$ 10,920
Subtotal				\$ 122,760
Mobilization - Percent of Item Cost Sum	%	10%		\$ 12,276
Contingency - % of construction costs	%	35%		\$ 42,966
Total Construction Costs				\$ 178,002
Engineering and CMS - % of construction costs	%	25%		\$ 44,501
Total Estimated Cost (rounded)				\$223,000

The cost estimate herein is based on our perception of current conditions at the project location. This estimate reflects our opinion of probable costs at this time and is subject to change as the project design matures. Keller Associates has no control over variances in the cost of labor, materials, equipment, services provided by others, contractor's methods of determining prices, competitive bidding or market conditions, practices or bidding strategies. Keller Associates cannot and does not warrant or guarantee that proposals, bids, or actual construction costs will not vary from the cost presented herein.