

Wastewater Capital Improvements Project
 Pipeline Upgrades from 11th to 16th
 Avenue between 21st St and 23rd St

Project Identifier: 2b

Objective: Increase pipe capacity to accommodate future growth.

Potential Issues:

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

Project Location:
 From 11th Avenue to 16th Avenue between 21st Street
 and 23rd Street



Items	Unit	Unit Price	Estimated Quantity	Estimated Cost (2017)
10-inch Pipe - Excavation, Backfill	LF	\$ 75	630	\$ 47,250
12-inch Pipe - Excavation, Backfill	LF	\$ 95	1,630	\$ 154,850
Manholes - 48"	EA	\$ 3,000	20	\$ 60,000
Existing Utility Protection	LF	\$ 4	2,260	\$ 9,040
Traffic Control - Without Flagging	LF	\$ 4	880	\$ 3,520
Half Lane Pavement Repair	LF	\$ 25	880	\$ 22,000
Miscellaneous Surface Repair	LF	\$ 5	1,380	\$ 6,900
Reconnect Services	LF	\$ 14	2,260	\$ 31,640
Subtotal				\$ 335,200
Mobilization - Percent of Item Cost Sum	%	10%		\$ 33,520
Contingency - % of construction costs	%	35%		\$ 117,320
Total Construction Costs				\$ 486,040
Engineering and CMS - % of construction costs	%	20%		\$ 97,208
Total Estimated Cost (rounded)				\$584,000

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.