

**Wastewater Capital Improvements Project**  
Pipeline Reconstruction along 11th Ave and  
Prospect Ave to 10th Ave

**Project Identifier:** 1a

**Objectives:** Replace undersized, problematic line running through alley and under structures.

**Potential Issues:**

- Maintaining services during construction.

**Project Location:**  
Corner of 11th Avenue and Propsect Avenue



Items	Unit	Unit Price	Estimated Quantity	Estimated Cost (2017)
8-inch Pipe - Excavation, Backfill	LF	\$ 62	530	\$ 32,860
Manholes - 48"	EA	\$ 3,000	5	\$ 15,000
Existing Utility Protection	LF	\$ 4	530	\$ 2,120
Half Lane Pavement Repair	LF	\$ 25	530	\$ 13,250
Reconnect Services	EA	\$ 3,500	12	\$ 42,000
Pipe Boring	LF	\$ 650	0	\$ -
Traffic Control - With Flagging	LS	\$ 2,500	0	\$ -
Traffic Control - Without Flagging	LF	\$ 4	530	\$ 2,120
<b>Subtotal</b>				<b>\$ 107,350</b>
Mobilization - Percent of Item Cost Sum	%	10%		\$ 10,735
Contingency - % of construction costs	%	35%		\$ 37,573
<b>Total Construction Costs</b>				<b>\$ 155,658</b>
Geotechnical Investigation		\$ 4,000		\$ 4,000
Engineering and CMS - % of construction costs	%	25%		\$ 38,914
<b>Total Estimated Cost (rounded)</b>	<b>\$199,000</b>			

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.