

**Wastewater Capital Improvements Project**  
**Pipelines Upgrades near Lewiston Country Club**

**Project Identifier:** 3a

Objective: Increase pipe capacity to accommodate future development

Potential Issues:

- Maintaining services during construction.
- Traffic control

**Project Location:**  
**Various Locations west of Lewiston Airport**



Items	Unit	Unit Price	Estimated Quantity	Estimated Cost (2017)
8-inch Pipe - Excavation, Backfill	LF	\$ 62	100	\$ 6,200
12-inch Pipe - Excavation, Backfill	LF	\$ 95	2160	\$ 205,200
Manholes - 48"	EA	\$ 3,000	17	\$ 51,000
Existing Utility Protection	LF	\$ 4	972	\$ 3,887
Rock Removal	LF	\$ 40	1130	\$ 45,200
Traffic Control - With Flagging	LF	\$ 8	972	\$ 7,774
Half Lane Pavement Repair	LF	\$ 25	972	\$ 24,293
Reconnect Services	LF	\$ 28	2260	\$ 63,280
Miscellaneous Surface Repair	LF	\$ 5	1288	\$ 6,441
<b>Subtotal</b>				<b>\$ 413,275</b>
Mobilization - Percent of Item Cost Sum	%	10%		\$ 41,328
Contingency - % of construction costs	%	35%		\$ 144,646
<b>Total Construction Costs</b>				<b>\$ 599,249</b>
Engineering and CMS - % of construction costs	LF	20%		\$ 119,850
<b>Total Estimated Cost (rounded)</b>				<b>\$720,000</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.