



Attention: Greg Nicoll
Agency: Gray & Osborne, Inc.
Address: 701 Dexter Ave N. Suite 200 Seattle, WA
Date: Thursday, May 27, 2010

Re: Schedule C Alternate Proposal

Mr. Nicoll,

Landis and Landis Construction is submitting a no cost bid modification for your review. This request is submitted with the intention of maintaining the original Schedule C cost while providing a reduced impact to the public.

One of the key components of this project is the 12" HDPE SDR 17 Pressure line to be installed under the Schedule C scope of work. This pipeline will be installed along 6,900 linear feet of highway 101 in South Bend Washington. Along with this pipe installation other associated work identified in the Schedule C scope is required.

The intention of this proposal is to introduce a different methodology that will install the HDPE pipe by means of horizontal directional drilling. Landis and Landis Construction believes that the majority of the 6,900 linear feet of pipe can be installed utilizing this method. A trenchless approach for this scope of work will greatly reduce the project's inconvenience to local residences, business owners and tourists.

Installation by directional boring involves the use of a rod-pushing boring machine and a support vehicle. A push rod is inserted from the front of the boring machine into the ground at an angle. The pipe direction is controlled through the use of a steering head at the front of the rod. Once the rod has reached its final destination at the exit pit, it is retracted with the pipe attached. The footprint of this vehicle is very minimal at approximately 10'x25'. This area is only impacted at the beginning and end of each run. Pipe segments are fused together in the pits adjacent to the boring machine. Please see the attached photographs showing representative installations.

Open-cut installation method will still be utilized at highway crossings due to regulatory requirements, short runs and other suitable locations. The attached plan sheets will indentify the locations and profiles of both boring and open-cut methods.

We propose to convert the associated bid items into one lump sum item. The result will be a no cost change order in which the amount of risk for the owner is more accurately controlled. The following page identifies the associated bid items that are affected by this proposed change.

P.O. Box 50
Marylhurst, OR 97036
Office: 503.466.9043
Fax: 213.5964
www.llconstruction.com



Original Bid Amounts

Item #	Description	Unit	Quantity	Unit Price	Total
2	Trench Excavation Safety Systems	LS	1	\$20,000.00	\$20,000.00
3	Potholing & Locating Exst. Utilities	EA	25	\$100.00	\$2,500.00
4	Traffic Control	LS	1	\$40,000.00	\$40,000.00
7	Controlled Density Fill	CY	300	\$110.00	\$33,000.00
8	Concrete Pavement Restoration	SY	350	\$55.00	\$19,250.00
9	Crushed Surfacing Top Course	TN	950	\$10.00	\$9,500.00
10	Asphalt Treated Base	TN	350	\$181.00	\$63,350.00
11	Hot Mix Asphalt Pavement Class 1/2" PG58-22	TN	450	\$176.00	\$79,200.00
12	Removal and Disposal of Contaminated Soil	TN	400	\$100.00	\$40,000.00
13	Unsuitable Excavation & Backfill	CY	100	\$35.00	\$3,500.00
14	Gravel Base	TN	8,800	\$8.00	\$70,400.00
15	12" HDPE SDR 17 Pressure Line & Fittings	LF	6,900	\$38.70	\$267,030.00
20	Segmental Concrete Retaining Wall System	LS	1	\$58,000.00	\$58,000.00
22	Chain Link Fence	LF	400	\$30.00	\$12,000.00
24	Site Restoration & Rehabilitation	LS	1	\$15,000.00	\$15,000.00
25	Pavement Markings	LS	1	\$5,000.00	\$5,000.00
Subtotal					\$737,730.00

It is our understanding that this proposal will not impair any of the essential functions of this project and will actually benefit the general public and the Owner. Thank you for your consideration of this proposal.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Landis".

Project Manager
Landis and Landis Construction

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Best Regards,

Jim Downing
Owner

Advanced Boring Specialist, Inc.
PMB 210, 13023 NE Hwy 99, #7
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Jimmy Downing

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