

TR-042181



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WASH. UT. & TP. COMM

December 2, 2004

Mr. Ed Harper  
Grade Crossing Signal Inspector  
Utilities and Transportation Commission  
1300 S. Evergreen Park Drive SW  
Olympia, WA 98504

Subject: SR 231, Reardon, WA (066 358 F)

Dear Mr. Harper,

CDL Electric is pleased to offer goods and services to improve the existing grade crossing signal system at SR 231 in Reardon, Washington (066 358 F) for **\$18,651.50**. Included in this price will be miscellaneous wiring material to make modifications to the control shelter, as well as various arresters, equalizers, resistors and other incidental items to incorporate an AC/DC island only circuit. We will also provide twelve insulated rail joints to define three track circuits on the siding track. Our price also includes new circuit plans and other related engineering services. Accompanying this letter is a detailed breakdown of the goods and services we intend to provide at the stated price.

It is understood, by CDL Electric, that the state of Washington is to provide the wired bungalow with battery and foundations, from their stock, as well as the components required to wire the AC/DC Island only circuit, other than those items stated above. All items provided by the state are to be in proper working condition and delivered to the job site. CDL Electric is willing to provide a TD-1A device for the Island circuit if the state of Washington does not have one available. Existing signals, underground cable, and the AC meter service, are to be reused in their present condition and in their present location, as it has been determined that these items are in good condition and no modifications are required for these items. The replacement control shelter will be placed in the location of the existing control case.

202 S Minnesota Ave, Columbus, KS 66725  
620-429-8697/ 620-429-8696 Fax

*Log & file  
Per Harper  
RHW*



Once complete this signal system will incorporate a Safetran GCP 3000 predictor on the main track with an AC/DC island only circuit in series across the three side/switch tracks. Activation of the signals for rail traffic on the side/switch tracks will require the train crew to stop and proceed. The train must stop within the defined limits of the island only circuit, verify the signals have activated, and then proceed across the crossing. Please note, operating rules of the railroad will supercede any procedures stated in this proposal.

Should you have any questions or comments regarding the contents of this proposal, feel free to contact me at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "L Seward Jr.", is positioned above the typed name.

Larry Seward Jr., President

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**Project No.**  
RRP-039

**Location**  
S.R. 231

**City/Co.**  
Reardon

**State**  
WA

**Scope Of Work:**

Furnish and Install a WA D.O.T. provided 6' X 6' bungalow that is currently set-up with a ST brand GCP-3000 and solid state controls for a single track gate location. Will also require the field wiring services to wire - in WA D.O.T. equipment (HI brand ACG & TD-1A components for an AC/DC Island only circuit to be seriesed across 3 side tracks, creating three Island Only circuits). No new underground wiring is anticipated, as existing is functionally sound and has enough slack to install the bungalow in the same location as the existing case. 12 insulated rail joints to define the three Island Only circuits are required. Existing signals are fine and need no work or relocation. A Boom Truck will be required to Lift and Set The Bungalow. Foundations on bungalow are drop down type - but must be hand dug due to cables.

Note: CDL to provide a used TD-1A if not available from WA D.O.T.

**Material & Labor Required:**

Item	Qty.	U/M	Total Price
Resistor Adj.(Various Ohm)	2	EA	included
Equalizer	1	EA	included
Arrester, Lightning	2	EA	included
Base, For Arrester	2	EA	included
Insulated Rail Joints (85 lb 4-hole)	12	EA	included
Misc. Material (wire, sealant, tags, track connection items, term. Eyes and hardware)	1	LT	included
Total Material (As Listed Above)			\$ 4,551.50
Engineering Services & Circuit Plans			\$ 2,600.00
Labor / Services and Related Expenses - Estimate Including Equipment Rental			\$ 11,500.00

**Total Material & Services Cost**

**\$ 18,651.50**