

**From:** [Jon Rolufs](#)  
**To:** [Young, Betty \(UTC\)](#)  
**Subject:** Petition to upgrade crossing warning systems Aberdeen, WA  
**Date:** Monday, January 29, 2018 8:38:08 AM  
**Attachments:** [Upgrade cost estimate Tyler Rd.xlsx](#)  
[Upgrade cost estimate Chehalis St.xlsx](#)  
[Upgrade cost estimate Newell St.xlsx](#)  
[Upgrade cost estimate E. Heron St.xlsx](#)

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Betty,

Please use the cost estimate values attached rather than the rounded cost numbers used in the Aberdeen Grant Requests.

Tyler Rd: \$24,602.51

Chehalis St: \$25,333.57

Newell St: \$24,174.77

E. Heron St: \$25,333.57

Thanks,

Jon Rolufs

Director of Signals, Western Region North

Genesee & Wyoming, Inc.

3220 State Street, Suite 200

Salem, OR 97301

Off: 503-363-6074

Cell: 503-816-8020

WASHINGTON UTC GRANT REQUEST FOR CROSSING UPGRADES

Tyler Rd, Aberdeen, Mile-Post 40E-68.00, DOT No. 096029N

**MATERIAL**

MANUFACTURER	MATERIAL	PART NUMBER	UNIT COST	20% DISCOUNTED COST	QUANTITY	TOTAL
ALSTOM	SYS ElectroLogIXS PMD-4R Limited Predictor - One track redundant. Includes one PMD-4R unit, one mounting plate with mounting hardware, one site Specific memory (SSM) external memory device with standard programs.	300911-031	\$ 12,100.00	\$ 9,680.00	1	\$ 9,680.00
	MDSA-1 Motion Detector Surge Arrester Model 1	250204-001C	\$ 327.00	\$ 261.60	1	\$ 261.60
	PMD-4R External Cable P16, 4 Ft.	075141-000	\$ 98.00	\$ 78.40	1	\$ 78.40
	PMD-4R External Cable P17, 4 Ft.	075143-000	\$ 98.00	\$ 78.40	1	\$ 78.40
	PMD-4R External Cable P18, 4 Ft.	075145-000	\$ 98.00	\$ 78.40	1	\$ 78.40
	PMD-4R External Power Cable, 4 Ft.	075148-000	\$ 98.00	\$ 78.40	1	\$ 78.40
	Lightning Equalizer	202217-000	\$ 25.00	\$ 20.00	1	\$ 20.00
	Lightning Arrestor	202216-001	\$ 24.00	\$ 19.20	2	\$ 38.40
	Wide Band Termination Shunt	250121-001	\$ 364.00	\$ 291.20	1	\$ 291.20
	Narrow Band Termination Shunt (267 Hz)	250250-J03B	\$ 407.00	\$ 325.60	1	\$ 325.60
	1TC-B DC Track Driver	800-081012-002	\$ 526.00	\$ 420.80	1	\$ 420.80
Graybar	Wire Tag	M-375-1-342	\$ 89.49		1	\$ 89.49
Leotek Electronics	Power Off Indicator	TSL-POK-WCF-AB1-WG	\$ 119.80		1	\$ 119.80
Eoff Electric	Okonite TC Blue #14	152-11-3024	\$ 0.4100		100	\$ 41.00
	Okonite TC Blue #10	152-11-3038	\$ 2.0800		100	\$ 208.00
SAFT AMERICA	SLP 250 Amp / Hr. Battery	SPL 250	\$ 225.00		9	\$ 2,025.00
Railway Equipment Co.	10 AMP ETC-12V	520710	\$ 390.00		1	\$ 390.00
XORail	Signal Design and Software		\$ 8,000.00		1	\$ 8,000.00
						\$ 22,224.49
						7.7% sales tax \$ 1,711.29
						3% Shipping & Handling \$ 666.73
						\$ 24,602.51
<b>Material Total</b>						<b>\$ 24,602.51</b>