

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

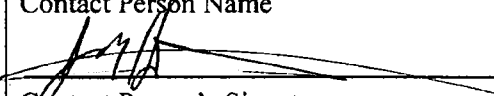
Clark County)	DOCKET NO. TR- 111584
_____)	Amended
Petitioner,)	PETITION TO MODIFY HIGHWAY-
)	RAIL GRADE CROSSING ACTIVE
vs.)	WARNING DEVICES AND
Portland-Vancouver Junction Railroad (PVJR))	DISBURSEMENT OF FUNDS
and)	FROM THE GRADE CROSSING
Chelatchie Prairie Railroad (BYCX))	PROTECTIVE FUND
_____)	
Respondent)	USDOT CROSSING #
)	Varies – see attached.

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 COMMISSION

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The Petitioner asks the Washington Utilities and Transportation Commission to approve the modification of highway-rail grade crossing warning signals and disburse funds from the Grade Crossing Protective Fund.

Section 1 – Petitioner’s Information

Clark County
Petitioner
1300 Franklin Street, Suite 650
Street Address
Vancouver, WA 98666
City, State and Zip Code
PO Box 5000 Vancouver, WA 98666-5000
Mailing Address, if different than the street address
Jon Holladay
Contact Person Name

Contact Person’s Signature
360-600-5720 jon.holladay@clark.wa.gov
Contact Phone Number and Email Address

Section 2 – Respondent's Information

Portland-Vancouver Junction Railroad

Respondent

14205 SE 36th Street, Suite 100

Street Address

Bellevue, WA 98006

City, State and Zip Code

Mailing Address, if different than the street address

Eric Temple, President

Contact Person Name

425-671-0959 etemple@pvjr.com

Contact Phone Number and Email Address

Additional Respondent's Information

Chelatchie Prairie Railroad

Respondent

No street address – Yacolt train depot corner of NE Railroad Ave and Yacolt Road

Street Address

Yacolt, WA 98675

City, State and Zip Code

PO Box 1271, Battle Ground, WA 98604

Mailing Address, if different than the street address

Larry Landgraver, President

Contact Person Name

360-931-9216 larrylandgraveriii@hotmail.com

Contact Phone Number and Email Address

Section 3 – Crossing Location

1. Existing highway/roadway <u>See attached.</u>
2. Existing railroad <u>See attached.</u>
3. USDOT Crossing No. <u>See attached.</u>
4. Located in the ___ 1/4 of the ___ 1/4 of Sec. ___, Twp. ___, Range _____ W.M.
5. GPS location, if known <u>Unknown</u>
6. Railroad mile post (nearest tenth) <u>See attached.</u>
7. City <u>See attached.</u> County <u>Clark County</u>

Section 4 – Current Highway Traffic Information

1. Name of highway See attached. _____

2. Road authority See attached. _____

3. Average annual daily traffic (AADT) See attached. _____

4. Number of lanes See attached. _____

5. Roadway speed See attached. _____

6. Is the crossing part of an established truck route? See Attached Yes _____ No _____

7. If so, trucks are what percent of total daily traffic? See attached.

8. Is the crossing part of an established school bus route? See attached Yes _____ No _____

9. If so, how many school buses travel over the crossing each day? See attached.

10. Describe any changes to the information in 1 through 7, above, expected within ten years:

None anticipated.

Section 5 – Current Crossing Information

1. Railroad company See Attached

2. Type of railroad at crossing Common Carrier Logging Industrial
 Passenger Excursion

3. Type of tracks at crossing Main Line Siding or Spur

4. Number of tracks at crossing See attached.

5. Average daily train traffic, freight See attached

Authorized freight train speed 10 mph Operated freight train speed 10 mph

6. Average daily train traffic, passenger See attached

Authorized passenger train speed 10 mph* Operated passenger train speed 10 mph

*Only in BYCX excursion territory. No passenger service elsewhere.

7. Describe any changes to the information in 1 through 4, above, expected within ten years:

None anticipated in PVJR territory. In BYCX territory, BYCX intends to extend the length of its passenger excursion service to NE 279th by mid-2012 (there is no train traffic there now).

8. What is the available sight distance from the stop bar (or 25 feet from the tracks if no stop bar) on both approaches to the crossing?

N/A

N/A

9. If the sight distance is less than 400 feet, describe the structures, roadway or track curvature, visual obstacles or other characteristics that limit sight distance.

N/A

N/A

Section 6 – Current Warning Devices

1. Provide a complete description of the warning devices currently located at the crossing, including signs, gates, lights, train detection circuitry and any other warning devices.

See Attached.

Section 7 – Description of Proposed Changes

1. Describe in detail the number and type of proposed automatic signals, gates or other warning devices, including proposed circuitry. Include the funding source for the proposed modification.

Grant Contract TR-111584 is presently funding a project to enhance visibility at 10 at-grade crossings by replacing older red flashing incandescent lights with 120 LED units. The new LED units are on order with a supplier as of April 5th.

Advantageous pricing has substantially lowered the cost per unit plus shipping from \$152.31 to \$112.15. At this unit cost, the original grant award would be sufficient to cover LED light upgrades at the final 2 crossings still using older incandescent bulbs (requiring 34 more LED's). Even with this increase in the number of LED's, the grant budget would still have additional funds left unspent. Therefore, to maximize the value of the grant, Clark County also requests to purchase 8 more LED's to have on hand for maintenance purposes. This would bring the total additional units purchased under the grant to 42.

Clark County requests that WUTC authorize an amendment to the contract to allow the purchase of a total of 162 units (120 on order plus 42 new), to be reimbursed through the grant up to the original award amount of \$19,684.54.

Section 8 – Illustration of Proposed Warning Devices

Attach a detailed diagram, drawing, map or other illustration showing the proposed modification. Attached is the manufacturer's specification sheet for the LED units on order.

Section 9 – Use of Surplus Equipment

If surplus or used equipment is being installed as part of the project, please review the following statement and sign, accepting the terms and conditions.

“The recipient of surplus equipment voluntarily accepts the equipment as is. Proper installation and testing is required per Code of Federal Regulations 49, prior to activating the signal equipment. The recipient assumes full responsibility for functionality of the equipment.”

Name (print): N/A
Title: _____
Company: _____
Signature: _____
Date: _____

Section 10 – Project Cost Information

1. Breakdown of estimated total cost.

Note: Cost per unit and units ordered may vary due to cost of materials at time of order.

Cost per LED assembly + shipping = \$112.15

Total cost for 162 units = \$18,168.30

Sales Tax @ 7.7% = \$1,398.96

Total Project Cost = \$19,567.26

2. Names of the parties contributing to the project and the amount each is contributing.

WUTC GCPF grant award to pay full cost of materials. Clark County will supply all labor and equipment required to install LED units.

3. Provide the amount the applicant is requesting from the GCPF grant program.

\$19,684.54 previously awarded through agreement TR-111584. Revised proposal will result in an expenditure of \$19,567.26, leaving \$117.28 of the grant award unspent.

Section 11 – Project Completion Date

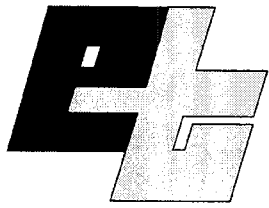
Project completion date: County requests a 3-month extension to November 1, 2012 to complete the project.

Clark County LED Signal Lamp Replacement GCPF Application - Crossing Specific Data

Updated 4/26/2012 by Jon Holladay

Roadway Name	USDOT X-Ing No.	Section 3: Crossing Location			Section 4: Roadway Information							Section 5: Track Information						Section 6: Warning Devices					Section 10: X-Ing Improvements				
		Township/Range/Section	RR Milepost	City	County	Road Authority	AADT	No. of Lanes	Road Speed	Established Truck Router?	% Trucks of AADT	School Bus Route?	Daily No. of Sch. Buses	Type of Railroad	Railroad	Track Type	No. of Tracks	Train Traffic	Train Speed (mph)	X-Bucks	Lights	Gates		Bell	Canilevers	Detection Hardware	No. of LED Replacements
NE 78th Street	852-429-T	NE 1/4 SW 1/4 S6 T2N R1E	4.1	Unincorp.	Clark	County	33180	5	45	Yes	4.1%	Yes	No Data	Com. Carrier	PVJR	Main/Spur	2	8/wk	10	Yes	Yes	Yes	Yes	Yes	Yes	AC/DC	26
NE 87th Avenue	852-435-W	NE 1/4 SE 1/4 S32 T3N R2E	6.8	Unincorp.	Clark	County	unk.	2	35	No	1.8%	Yes	16	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	No	No	AC/DC	10	
NE 148th Street	852-341-V	SE 1/4 NE 1/4 S28 T3N R2E	9.3	Unincorp.	Clark	County	1330	2	40	No	Unk.	Yes	11	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	No	No	AC/DC	8	
State Route 503	917-071-H	SE 1/4 NW 1/4 S22 T3N R2E	9.8	Unincorp.	Clark	State	26900	5	50	Yes	3.2%	Yes	9	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	Yes	Yes	AC/DC	24	
Caples Road	852-342-C	SW 1/4 NE 1/4 S22 T3N R2E	9.9	Unincorp.	Clark	County	5270	2	35	No	2.5%	Yes	8	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	No	Yes	Yes	AC/DC	20	
NE 137th Avenue	852-344-R	NW 1/4 NW 1/4 S22 T3N R2E	10.6	Unincorp.	Clark	County	140*	2	45	No	Unk.	Yes	2	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	No	No	AC/DC	8	
NE 159th Street	852-345-X	NW 1/4 NW 1/4 S22 T3N R2E	10.7	Unincorp.	Clark	County	1080*	2	45	No	Unk.	Yes	4	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	No	No	AC/DC	8	
NE 142nd Avenue	852-346-E	SW 1/4 SE 1/4 S22 T3N R2E	11.0	Unincorp.	Clark	County	480*	2	50	No	Unk.	Yes	9	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	No	No	AC/DC	8	
NE 198th Street (Easton)	852-348-T	NW 1/4 NE 1/4 S11 T3N R2E	13.1	Battle Ground	Clark	City	1290*	2	40	Yes	Unk.	Yes	7	Com. Carrier	PVJR	Main	1	2/wk	10	Yes	Yes	Yes	No	No	AC/DC	10	
NE 182nd Avenue	852-356-K	NE 1/4 NW 1/4 S30 T4N R3E	17.3	Unincorp.	Clark	County	510*	2	45	No	Unk.	Yes	4	Com. Carrier	PVJR	Main	1	0	10	Yes	Yes	No	Yes	Yes	AC/DC	16	
NE 279th Street	852-358-Y	NW 1/4 NW 1/4 S19 T4N R3E	18.7	Unincorp.	Clark	County	510*	2	45	Yes	Unk.	Yes	7	Excursion	BYCX	Main	1	0	10	Yes	Yes	Yes	Yes	No	Safarian 625855 Dual- Motion	8	
NE Lucia Falls Road	852-362-N	NW 1/4 NW 1/4 S14 T4N R3E	23.1	Unincorp.	Clark	County	1120*	2	50	Yes	Unk.	Yes	19	Excursion	BYCX	Main	1	4/wk	10	Yes	Yes	Yes	Yes	No	AC/DC	8	
													Total LED's to be installed					154									
													LED's for maintenance inventory					8									
													Total LED's requested					162									

* No recent traffic counts available. Data taken from FRA X-Ing database.



ELECTRO  **TECH'S**

1875 Sampson Ave., Corona, CA 92879
(951) 734-1812 Fax: (951) 734-5424

K14X10WP
12" Red LED Railroad Crossing Signal With White Side Ports

Specifications

LEDs	High efficiency
Operating temperature	-40° C to +75° C
Dominant wavelength (nm)	630 nm
Power consumption (W)	8 W
Operating voltage	10 VAC / VDC (other voltages available)
Dimensions	12"
Interconnect	1/4" ring terminal
Housing	Water tight, vented polycarbonate

Three Element LED Signal

1. Red LED matrix with attached white LED matrices
2. Water tight housing with transparent sideports
3. Red Tinted Polycarbonate Lense (Prismatic and clear available)

Available Now:

- A. **RETROFIT KIT:** Designed to fit into existing systems with handtools. Installation time and effort is minimal.

100,000 Hour * LED Life Expectancy						
YEARS	22	45	54	68	91	136
OPERATING HOURS PER DAY	6	5	4	3	2	1

*50,000 hours for all white LEDs

Hunter, Kathy (UTC)

From: Holladay, Jon <Jon.Holladay@clark.wa.gov>
Sent: Wednesday, May 02, 2012 2:18 PM
To: Hunter, Kathy (UTC)
Subject: FW: state grant for crossing signal lights

Support email from BYCX excursion train service.

Jon Holladay, PE
Chelatchie Prairie Railroad
(360) 397-2323x4113 ofc. (360) 600-5720 mobile
PO Box 5000
1300 Franklin Street Suite 650
Vancouver, WA 98660

From: Larry Landgraver III [mailto:larrylandgraveriii@hotmail.com]
Sent: Monday, April 30, 2012 1:13 AM
To: Holladay, Jon; Douglas Auburg
Subject: Re: state grant for crossing signal lights

To Whom It May Concern:

The Chelatchie Prairie Railroad (BYCX) is in full support and agreement for upgrading the additional crossings. With these upgrades, the BYCX and Clark County will benefit from a safer excursion environment for our passengers and crew.

Please consider these upgrades not as a optional improvement, but a necessity for public safety in our County.

Thank you for your time,

Larry Landgraver III
BYCX President
360-931-9216

This e-mail and related attachments and any response may be subject to public disclosure under state law.

Hunter, Kathy (UTC)

From: Holladay, Jon <Jon.Holladay@clark.wa.gov>
Sent: Wednesday, May 02, 2012 2:17 PM
To: Hunter, Kathy (UTC)
Subject: FW: LED light upgrades at crossing signals

Supporting email from Portland-Vancouver Junction RR.

Jon Holladay, PE
Chelatchie Prairie Railroad
(360) 397-2323x4113 ofc. (360) 600-5720 mobile
PO Box 5000
1300 Franklin Street Suite 650
Vancouver, WA 98660

From: Eric Temple [mailto:etemple@pvjr.com]
Sent: Wednesday, May 02, 2012 11:08 AM
To: Holladay, Jon
Subject: RE: LED light upgrades at crossing signals

Jon,

The PVJR fully supports the LED re-fit and upgrade of the crossings at 149th and 78th.

Thanks,
Eric Temple
President , Portland Vancouver Junction Railroad
14205 SE 36th St.
Suite 100
Bellevue, WA 98006

O - 425-649-1104
F - 425-649-1199
C - 206-660-4731

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