WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Cascade & Columbia River Railroad Petitioner, vs. Respondent City of Tonasket	DOCKET NO. TR- PETITION TO MODIFY HIGHWAY-RAIL GRADE CROSSING ACTIVE WARNING DEVICES AND REQUESTING DISBURSEMENT OF FUNDS FROM THE GRADE CROSSING PROTECTIVE FUND USDOT CROSSING NO.: 096355S

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

Section 1 – Petitioner's Information

Cascade & Columbia River Railroad
Petitioner

Asst Treasurer
Signature

3220 State St., Suite 200
Street Address

Salem, OR 97301
City, State and Zip Code

Mailing Address, if different than the street address

Christopher Nagle
Contact Person Name

503-480-7785 christopher.nagle@gwrr.com
Contact Phone Number and Email Address

Section 2 – Respondent's Information

City of Tanasket
Respondent

209 S. Whitcomb
Street Address

Tonasket, WA 98855
City, State and Zip Code

P.O. Box 487
Mailing Address, if different than the street address

Alice Attwood
Contact Person Name

509-486-2132 tonasket@nvinet.com
Contact Phone Number and Email Address

Section 3 – Crossing Location

1. Existing highway/roadway 4th Street

2. Existing railroad Cascade & Columbia River Railroad

3. USDOT Crossing No. 096355S

4. GPS location 48.705370, -119441948

5. Railroad mile post (nearest tenth) 120.02

6. City Tonasket County Okanogan

Section 4 – Current Highway Traffic Information

1. Name of highway 4th Street

2. Road authority City of Tonasket

3. Average annual daily traffic (AADT) 3042

4. Number of lanes Two

5. Roadway speed 25 MPH

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

7. If so, trucks are what percent of total daily traffic? 3%

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

9. If so, how many school buses travel over the crossing each day? 8

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

No changes expected.

Section 5 – Current Crossing Information

1. Railroad company Cascade & Columbia River Railroad

2. Type of railroad at crossing x Common Carrier □ Logging □ Industrial

□ Passenger □ Excursion

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

4. Number of tracks at crossing One

5. Average daily train traffic, freight One

Authorized freight train speed 25 MPH Operated freight train speed 5 – 25 MPH

6. Average daily train traffic, passenger None

Authorized passenger train speed 0 Operated passenger train speed 0

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

No changes expected.

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

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

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.

Crossing is equipped with a set of 2-Way flashing lights and gate arm for both directions of Traffic. Each flashing light mast has a Crossbuck sign. The flashing light mast in the northwest Quadrant has a bell. The train detection system is a redundant Motion Sensor installed in 1993. Replacement parts are no longer available.

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.

The scope of this grant request is to upgrade the existing train detection system from 1989 technology to current digital computer technology. We will change from a system that detects train motion to a system that provides a constant amount of warning at the crossing regardless of train speed. In addition we will include new batteries, battery chargers, and change to new gate arms and LED lighting. An engineering consultant company will provide CADD drawings and operating software. A new meter service will also be installed. With these changes, this crossing warning system will provide safe and reliable operaton for the next 20 years.

Section 8 – Illustration of Proposed Warning Devices

Attach a detailed diagram, drawing, map or other illustration showing the proposed modification.

Section 9 – Project Cost Information

1. Breakdown of estimated total cost.

   See attached spread sheet.

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

   Railroad will contribute all labor and technical expertize to install the requested Equipment.

3. Provide the amount the applicant is requesting from the GCPF grant program.
   $44,000.00

Section 10 – Project Completion Date

Project completion date: May 1, 2019

Section 11 – Waiver of Hearing by Respondent

Waiver of Hearing

The undersigned represents the Respondent in the petition to modify highway-rail grade crossing warning signals at the following crossing.

USDOT Crossing No. 096355S

We have investigated the conditions at the crossing. We are satisfied the conditions are the same as described by the Petitioner in this docket. We agree the warning signals should be modified and consent to a decision by the commission without a hearing.

Dated at Tonasket, Washington, on the 26th day of September, 20 17.

Patrick Plumb
Printed name of Respondent

Signature of Respondent's Representative

Mayor
Title

509-486-2132
Phone number and email address

pplumb@patrickplumb.com

P.O. Box 487, Tonasket, WA. 98855-
Mailing address

WASHINTON UTC GRANT REQUEST FOR CROSSING UPGRADES

4TH STREET, TONASKET, WA, MILE-POST 120.02, DOT NO. 096355S

MATERIAL

MANUFACTURER	MATERIAL	PART NUMBER	UNIT COST	20% DISCOUNTED COST	QUANTITY	TOTAL
GE TRANSPORTATION	One track redundant with VPM-3, VIO-44R, and 20 amp crossing control -	16-2243-00	$ 21,937.00	$ 17,549.60	1	$ 17,549.60
	MDSA-1XS Motion Detector Surge Arrester Model 1	250204-100	$ 464.00	$ 371.20	1	$ 371.20
	Cable, XIP-20 #1, 12 ft.	075046-002	$ 102.00	$ 81.60	1	$ 81.60
	Cable, XIP-20 #2, 12 ft.	075047-002	$ 102.00	$ 81.60	1	$ 81.60
	XIP-20B Crossing Interface Panel, 20 amp.	227561-100	$ 387.00	$ 309.60	1	$ 309.60
	AGA-1 Air Gap Arrester (Heavy Duty)	202216-001	$ 24.00	$ 19.20	20	$ 384.00
	AGE-1 Air Gap Equalizer (18V)	202217-000	$ 25.00	$ 20.00	2	$ 40.00
	AAR Terminal	250084-112	$ 16.00	$ 12.80	7	$ 89.60
SAFT America	SPL 380 Amp/Hr Battery	SPL 380	$ 350.00		10	$ 3,500.00
	SLP 250 Amp / Hr. Battery	SPL 250	$ 225.00		9	$ 2,025.00
Railway Equipment Co.	40 AMP ATC-12V	520640	$ 529.00		1	$ 529.00
	20 AMP ATC-12V	520620	$ 386.00		1	$ 386.00
Newark Electronics	DC Non-Vital Relay	KRPA-11DN-12	$ 17.41		1	$ 17.41
	AC Non-Vital Relay	KRPA-11AN-120	$ 17.83		2	$ 17.83
	Relay Socket	27E122	$ 5.80		3	$ 11.60
Graybar	Wire Tag	M-375-1-342	$ 89.49		1	$ 89.49
Northwest Connector	Blue 16 ga. Wire	16C	$ 0.0951		200	$ 19.02
XORail	Signal Design and Software		$ 12,000.00		1	$ 12,000.00
Leotek Electronics	12 in. LED light unit	TSL-12RCS-1LW-E1	$ 70.00		8	$ 560.00
National Electric Gate Co.	LED Low Profile Gate Lights Set	2018-LED-ARRY	$ 162.85		2	$ 325.70
	Alumilte 16 ft. Gate Base Section	NEG 1WC3130HV	$ 183.00		2	$ 366.00
	Alumilte 16 ft. Gate Mid Section	NEG 1WCA502CHV	$ 152.00		2	$ 304.00
Vassar Electric Co.	New Meter Service, 200 Amp Main Panel		$ 850.00		1	$ 850.00
				Subtotal:		$ 39,908.25
				7.7% sales tax		$ 3,072.94
				3% Shipping & Handling		$ 1,197.25
				Material Total		**$ 44,178.43**