



WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Ron Pate ( WSDOT)

Petitioner,

vs.

Washington Eastern Railroad

Respondent

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.: 066020V

The Petitioner asks the Washington Utilities and Transportation Commission (UTC) 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*

Ron Pate (WSDOT)

Petitioner

*Ron Pate*

Signature

310 Maple Park Ave SE

Street Address

Olympia, WA 98504-7407

City, State and Zip Code

Mailing Address, if different than the street address

Bob Westby (WSDOT)

Contact Person Name

Westbyb@wsdot.wa.gov

Contact Phone Number and Email Address

*Section 2 – Respondent's Information*

Washington Eastern Railroad Respondent
111 South Lefevre St Street Address
Medical Lake, WA 99022 City, State and Zip Code
PO Box 207 Medical Lake, WA 99022-027 Mailing Address, if different than the street address
Matt Astle Contact Person Name
503-580-5209 Matt@southwesternrr.com Contact Phone Number and Email Address

*Section 3 – Crossing Location*

1. Existing highway/roadway <u>Sunset Highway</u>
2. Existing railroad <u>Central Washington Branch</u>
3. USDOT Crossing No. <u>066020V</u>
4. GPS location <u>47° 40' 20.6" N 118° 05' 17.4" W</u>
5. Railroad mile post (nearest tenth) <u>38.0</u>
6. City <u>Davenport, WA</u> County <u>Lincoln</u>

*Section 4 – Current Highway Traffic Information*

1. Name of highway Sunset Highway

2. Road authority Lincoln County

3. Average annual daily traffic (AADT) 280

4. Number of lanes Two

5. Roadway speed 50 <sup>km</sup>  
45 mph

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

7. If so, trucks are what percent of total daily traffic? 15%

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? Two

10. Describe any changes to the information in 1 through 7, above, expected within ten years:  
None  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Section 5 – Current Crossing Information

1. Railroad company Washington Eastern Railroad

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 One

5. Average daily train traffic, freight Two to Four Trains per week

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

6. Average daily train traffic, passenger N/A

Authorized passenger train speed N/A        Operated passenger train speed N/A

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

None

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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?

Both directions - 400 Feet Plus

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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.

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*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.

The existing crossing is an active railroad crossing with lights and gates.

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## *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.

### Sunset Highway & MP 38.0 - DOT# 066020V - East of Davenport, Washington

The Vendor shall provide the following materials, labor, and equipment to bring the highway grade crossing system to meet current FRA regulations and requirements.

- **Installation work**
  - Provide under-track and under-roadway directional bores, with a minimum of 4" SCH 40 PVC conduits.
  - Install and terminate (2) 5 conductor #9 AWG (5C/#9) and (2) 7 conductor #6 AWG (7C/#6) underground shielded railroad signal cable new cables from signal case to gate warning devices 1 and 2.
  - All new cables and wires installed and terminated shall be tagged and labeled on each end of the wire and circuit with a sleeve type wire tag, handwritten tags will not be accepted.
  - Install and terminate twisted track-wire and bootleg kits to each track circuit transmit, receive, and island connections T1 and R1.
  - Procure new PMD-3R Modules and populate existing PMD-3R chassis at Sunset Highway as required (currently, an RYD module is needed, WSDOT requires procurement of all PMD-3 modules installed in the existing chassis at Sunset Highway.
  - Replumb steel gate foundation at Signal "1".
- **Validation and Testing**
  - Test and verify all existing relays can be placed in-service conforms to 49 C.F.R. Part 234.263.
  - Test and verify each cable and track-wire installed conforms to 49 C.F.R. Part 234.267.
  - Test and verify existing Alstom PMD-3 per manufactures recommended procedures and conforms to 49 C.F.R. Part 234.257, provide WSDOT and WER with all configuration settings and documentation.
  - Provide all test documentation to WSDOT and WER upon in-service test completion.
  - Notify and allow WSDOT and WER signal personal to witness in-service testing for acceptance.
  - All adjustments and tests performed by the Vendor shall conform the 49 C.F.R. Parts 234, 236, WSDOT, WER, and AREMA regulations and requirements.
- **Documentation and As-built plans**
  - Submit test plans and documentation of tests for each task and installed components.
  - Provide as-built documentation for each task and installed components.
  - Test documents shall conform to 49 C.F.R. Part 234.273 and WER requirements.

***Section 8 – Illustration of Proposed Warning Devices***

Attach a detailed diagram, drawing, map or other illustration showing the proposed modification.  
**See appendix A and Section 7**

***Section 9 – Project Cost Information***

1. Breakdown of estimated total cost.

**See Appendix B**

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

**WSDOT - \$73,526.40**

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

**\$20,000**

**Section 10 – Project Completion Date**

Project completion date: December 2020

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. 066020V

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 UTC without a hearing.

Dated at Medical Lake, Washington, on the 23<sup>rd</sup> day of  
January, 20 20.

Matt Astle  
Printed name of Respondent

Matt Astle  
Signature of Respondent's Representative

General Manager  
Title

503-580-5209 matt@southwesternrr.net  
Phone number and email address

Washington Eastern Railroad

111 S. LeFevre St. Medical Lake, WA 99022  
Mailing address



**Appendix A**  
**Vicinity Map**

Sunset Highway - USDOT # 066020V  
= CW Branch MP 38.0

Davenport WA - 2.8 Miles

CW Branch

Google Earth



## **Appendix B**

### **Cost**

**Appendix B  
Request for Quotation Form (Cost Proposal Sheet)**

Crossing Location: CW Branch MP 38.0—Sunset Highway

Line Item	Task	Quantity	Unit	Total Price (LS)
1	Under-track and under-roadway directional bores, w/4" SCH. 40 PVC conduits, (Vendor to verify lengths of bores needed)	500 <i>220</i>	FT <i>22</i>	<i>11 000</i>
2	Install, and terminate (2) 5 conductor #9 AWG (5C/#9) and (2) 7 conductor #6 AWG (7C/#6) underground shielded railroad signal cables from signal case to gate warning devices 1 and 2	700	FT <i>29</i>	<i>20 300</i>
3	Install, and terminate (2) 2 conductor twisted #6 AWG track-wire and bootleg kits to each track circuit transmit, receive, and island connections T1 and R1	500	FT <i>21</i>	<i>10 500</i>
4	Install Alstom PMD-4 Modules (2 each): TLM, TRM, RSI, RYD, CPU, (Chassis if available from Alstom)	1	Pair	<i>12 400</i>
5	Required sundries to complete tasks: AAR nuts, washers, gold-nuts, bridge-clips, insulated clips, surge arrestors, wire-tags, etc.	1	EA	<i>2 000</i>
6	Testing, documentation, and as-built tasks to complete MP 38.0—Sunset Highway scope of work	1	EA	<i>3 000</i>
<b>SUBTOTAL</b>				<i>59 200</i>
<b>TAX</b>	Lincoln County	8.0%		<i>4 736</i>
<b>LS TOTAL</b>			LS	<i>63 936</i>

*MOTB* 10% *6 394*  
*CONTINGENCE* 5% *3 197*

Print Name and Title:	<b>TOTAL</b>	<b>\$ 73,526.40</b>
Phone Number:	_____	
Signature:	_____	Date: _____