



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.: 066100N

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

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>Main St</u>		
2. Existing railroad	<u>Central Washington Branch</u>		
3. USDOT Crossing No.	<u>066100N</u>		
4. GPS location	<u>47° 41' 23.1" N 119° 06' 29.8" W</u>		
5. Railroad mile post (nearest tenth)	<u>96.8</u>		
6. City	<u>Hartline</u>	County	<u>Grant</u>

*Section 4 – Current Highway Traffic Information*

1. Name of highway	<u>Main St</u>
2. Road authority	<u>Grant County</u>
3. Average annual daily traffic (AADT)	<u>200</u>
4. Number of lanes	<u>Two</u>
5. Roadway speed	<u>25 mph</u>
6. Is the crossing part of an established truck route?	Yes _____ No <u>X</u>
7. If so, trucks are what percent of total daily traffic?	<u>15%</u>
8. Is the crossing part of an established school bus route?	Yes <u>X</u> No _____
9. If so, how many school buses travel over the crossing each day?	<u>Two</u>
10. Describe any changes to the information in 1 through 7, above, expected within ten years:	<u>None</u>
	_____
	_____
	_____

*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 Three

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  
\_\_\_\_\_  
\_\_\_\_\_

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?  
West – 75 Feet / East – 50 Feet  
\_\_\_\_\_

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.  
Grain Elevators  
\_\_\_\_\_

***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 <sup>mt</sup> and gates.

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

## *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.

### *MP 96.80 & Main Street - DOT# 066100N - Hartline, 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 #6 AWG (5C/#6) underground shielded railroad signal cable new cables from signal case to flasher 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, R1, STKB, and STKR.
  - Install Alstom PMD-4 redundant single track-unit and all components required to provide a complete operating PMD-4 system in the existing signal case.
  - Lightning and surge protection shall be provided to each conductor and track-wire installed at the case; surge protection shall conform to AREMA standards.
  - Replace rail-head bonds and rail joint-web bonds as directed (100 railhead bonds shall be provided at a minimum).
  - Procure and install insulated 9030 90 pound #1 and #2 switch rods and gauge plates at turnouts numbered 9695 and 9698.
- **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 Alstom PMD-4 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.
  - Shall 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 - \$74,636**
  
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. 066100N

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**

Main Street - USDOT # 066100N  
= CW Branch MP 96.8

Hartline WA

Stinson St

Google Earth



## **Appendix B**

### **Cost**

Crossing Location: CW Branch MP 96.80—Main Street

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)	250	FT 22	5,500
2	Install and terminate (2) 5 conductor #6 AWG (5C/#6) underground shielded railroad signal cables from signal case to flasher warning devices 1 and 2	250	FT 29	7,250
3	Install and terminate (4) 2 conductor twisted #6 AWG track-wire and bootleg kits to each track circuit transmit, receive, and island connections T1, R1, STKB, and STKR	500	FT 21	10,500
4	Alstom PMD-4 redundant single track-unit, with all modules, harnesses and panels for complete system	1	EA	32,500
5	Required sundries to complete tasks: AAR nuts, washers, gold-nuts, bridge-clips, insulated clips, surge arrestors, wire-tags, etc.	1	EA	2,000
6	Rail-head bonds and rail joint-web bonds, not to exceed 100 bonds each	1	EA	1,000
7	Procure and Install insulated AAR 90 pound 9030 #1 and #2 switch rods at turnouts	2	EA 35	14,000
8	Testing, documentation, and as-built tasks to complete MP 96.80 Main Street scope of work	1	EA	3,000
SUBTOTAL				60,150
TAX		Grant County	7.9%	4,751
LS TOTAL				LS 64,901

MOB

CONTINGENCES

10%  
5%

6,490  
3,245

Print Name and Title:	TOTAL	\$ 74,636
Phone Number:		
Signature:		Date: