UTC
Washington Utilities and Transportation Commission

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.: 066099W

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 Range St

2. Existing railroad Central Washington Branch

3. USDOT Crossing No. 066099W

4. GPS location 47^ 41' 24.1" N 119^ 06' 20.0" W

5. Railroad mile post (nearest tenth) 96.7

6. City Hartline County Grant

Section 4 – Current Highway Traffic Information

1. Name of highway Range St

2. Road authority Grant County

3. Average annual daily traffic (AADT) 200

4. Number of lanes Two

5. Roadway speed 25 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? 2

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 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 Two

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' / East – 400' Plus

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 as active railroad crossing with lights ~~and gates~~. MT

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 96.70 in Range Street - DOT# 066099W - 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**
  - Install 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 9659, 9660, 9661, and 9662.
- **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.
  - 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 - $74,636.00

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. 066099W

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 23rd day of January, 2020.

Matt Astle
Printed name of Respondent

Matt Astle
Signature of Respondent's Representative

General Manager
Title

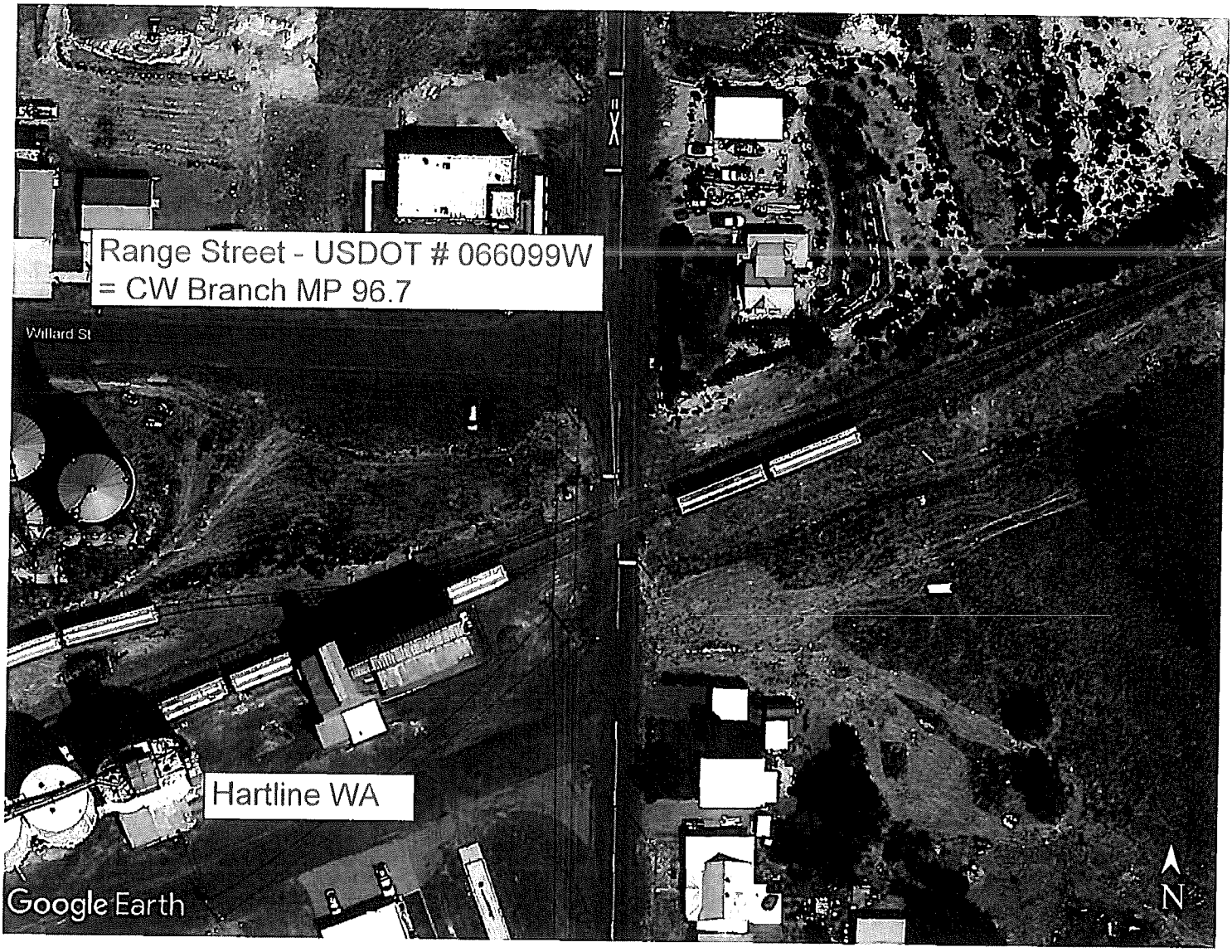
503-580-5209 matt@southwesternrr.net
Phone number and email address

Washington Eastern Railroad

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

Appendix A

Vicinity Map


Range Street - USDOT # 066099W
= CW Branch MP 96.7
Willard St
Hartline WA
Google Earth
N

Appendix B

Cost

Crossing Location: CW Branch MP 96.70—Range 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	7250
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	2000
6	Rail-head bonds and rail joint-web bonds, not to exceed 100 bonds each	1	EA 10	1000
7	Install Insulated AAR 90 pound 9030 #1 and #2 switch rods at turnouts	4	EA 350	1400
8	Testing, documentation, and as-built tasks to complete MP 96.70 Range Street scope of work	1	EA	3000
SUBTOTAL				60 150
TAX	**Grant County**	**7.9%**		4 751
LS TOTAL			**LS**	64 901
MOB		10%		6490
Contingencies		5%		3245
		TOTAL		74,636

Print Name and Title:

_____ _____

Phone Number: _____

Signature: _____ **Date:** _____