




WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Whatcom County)	DOCKET NO. TR- 180466
_____)	
Petitioner,)	PETITION FOR INSTALLATION OF
)	MEDIAN BARRIERS AT A
vs.)	HIGHWAY-RAIL GRADE
Burlington Northern Santa Fe Railway)	CROSSING
_____)	
Respondent)	USDOT CROSSING NO.: #084821L
.....)	

The Petitioner asks the Washington Utilities and Transportation Commission to approve installation of median barriers at a highway-rail grade crossing.

Section 1 – Petitioner’s Information

Whatcom County

Petitioner
 5-25-18

Signature
322 North Commercial Street, Suite 301

Street Address
Bellingham, WA 98225

City, State and Zip Code

Mailing Address, if different than the street address
James P. Karcher, P.E. – Engineering Manager

Contact Person Name
(360)778-6271 jkarcher@co.whatcom.wa.us

Contact Phone Number and Email Address

Section 4 – Current Crossing Traffic

1. Type of public road at the crossing	<input type="checkbox"/> State	<input checked="" type="checkbox"/> County	<input type="checkbox"/> City
	<input type="checkbox"/> Port	<input type="checkbox"/> State Park	<input type="checkbox"/> Other _____
2. Average daily vehicle traffic over the tracks	<u>300</u>	Vehicle speed limit	<u>25</u>
3. Number of lanes	<u>2</u>		
4. Trucks (commercial vehicles) are what percent of average daily traffic	<u>1%</u>		
5. Number of school buses over the crossing each day	<u>0</u>		
6. Name of railroad(s) operating at crossing	<u>BNSF, AmTrak</u>		

7. Type of railroad at crossing	<input checked="" type="checkbox"/> Common Carrier	<input type="checkbox"/> Logging	<input type="checkbox"/> Industrial
	<input checked="" type="checkbox"/> Passenger	<input type="checkbox"/> Excursion	
8. Type of tracks at crossing	<input checked="" type="checkbox"/> Main Line	<input type="checkbox"/> Siding or Spur	
9. Number of tracks at crossing	<u>1</u>		
10. Average daily train traffic, freight	<u>17</u>		
	Authorized freight train speed <u>50</u>	Operated freight train speed	<u>45</u>
11. Average daily train traffic, passenger	<u>2</u>		
	Authorized passenger train speed <u>79</u>	Operated passenger train speed	<u>45</u>

Section 5 – Justification

1. Provide the following information:

a. Describe in detail the why this crossing should have median barriers installed.

The Cliffside Drive is a no outlet local access road to a small community of approximately 44 residences that live on the westerly side of the crossing. These residences are the predominant users of this crossing. The current Average Daily Traffic (ADT) is 300 vehicles. There are no school or city buses that use this crossing. The medians will provide a physical deterrent in the absence of the train horn which only provides a warning to motorists. The crossing will maintain the existing warning devices consisting of: two (2) entrance gates, advanced warning signs, bells, and 8 flashing lights that will be upgraded to LED through the proposed project. A eighteen foot long precast curb will be installed at the northeast quadrant of the crossing to protect the crossing gate assembly (see attached plan). The Federal Railroad Administration (FRA) has calculated the current risk index at this crossing to be below the Nationwide Significant Risk Threshold inferring that the current configuration meets the minimum requirements to become a quiet zone. However, Whatcom County still proposes to install Supplemental Safety Measures that will further reduce the risk index by 60%.

b. Provide a description of the type of median barriers proposed.

The mountable median will extend 100 feet both east and west of the crossing qualifying these improvements to considered Supplemental Safety Measures. The mountable median is constructed of a high strength composite material. It is 10-5/8 inches wide and has a dome shape that is 4 inches tall. The 44 inch sections fasten together and are anchored to the pavement using a nylon expansion molly and 5/8 inch by 6 inch lag screws. The reflective traffic channelization devices are attached to the curb using a rubber boot that slides into a machined groove in the curb at 80 inch intervals. These reflective traffic channelization devices are 40 inches by 8-3/4 inches with 232 square inches of type III reflective sheeting on both sides. The break away reflective traffic channelization devices provide an effective deterrent for the typical motorists while allowing for emergency apparatus to openly access and use the full width of the roadway.

c. Describe who will maintain the barriers.

The proposed barriers will be maintained by Whatcom County Public Works' Maintenance and Operations Division. The barriers will be maintained at the original installed condition and all damage compromising the functionality of the barrier will be corrected immediately. A thorough annual inspection will be conducted to ensure that there is no degradation of the material and the inspection will be documented and provided to the UTC, FRA, or BNSF upon request. After installation of the proposed barrier Whatcom County intends to monitor the site and maintain a clear line of communication to identify and address any violations that may occur during this time. If violations become an issue, Whatcom County recognizes that adjustments may need to be made.

d. Attach a proposed diagram or design of the crossing and median barriers.

Please see the attached plan of the proposed improvements.

Section 6 – Waiver of Hearing by Respondent

Waiver of Hearing

The undersigned represents the Respondent in the petition to install median barriers at the following crossing.

USDOT Crossing No. _____

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 installation of median barriers should be made and consent to a decision by the commission without a hearing.

Dated at _____, Washington, on the _____ day of _____, 20__.

Printed name of Respondent

Signature of Respondent's Representative

Title

Company Name

Phone number and email address

Mailing address

CLIFFSIDE DRIVE RAILROAD GRADE CROSSING IMPROVEMENTS

CRP No. 918014

SECTION 15, TOWNSHIP 38 NORTH, RANGE 2 EAST, W.M., WHATCOM COUNTY, WASHINGTON



JOSEPH P. RUTAN, P.E.
WHATCOM COUNTY ENGINEER

PRELIMINARY (100% REVIEW SET)

PROJECT: CLIFFSIDE DRIVE RAILROAD GRADE CROSSING IMPROVEMENTS
TITLE: MOUNTABLE CURB MEDIAN WITH REFLECTIVE CHANNELIZATION DEVICES PLAN

WHATCOM COUNTY
DEPARTMENT OF PUBLIC WORKS
722 S. COMMERCIAL ST., SUITE 202
LEWISBURG, PA 17033

CONTRACT PART: JED
DESIGNER: JON MATHIAS
PA #A #01 FILE: JED01A.GIS.DWG

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PA #A #01 FILE: JED01A.GIS.DWG

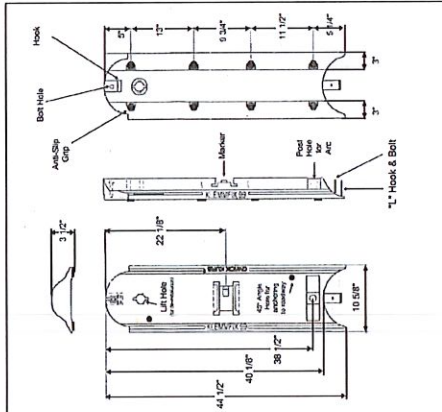
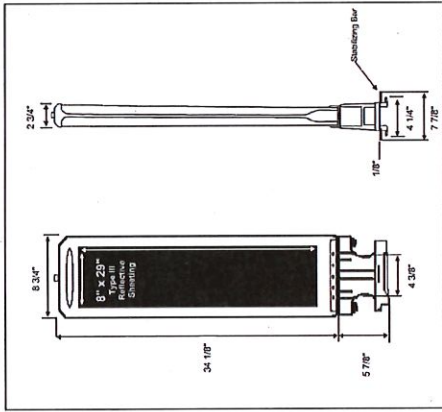
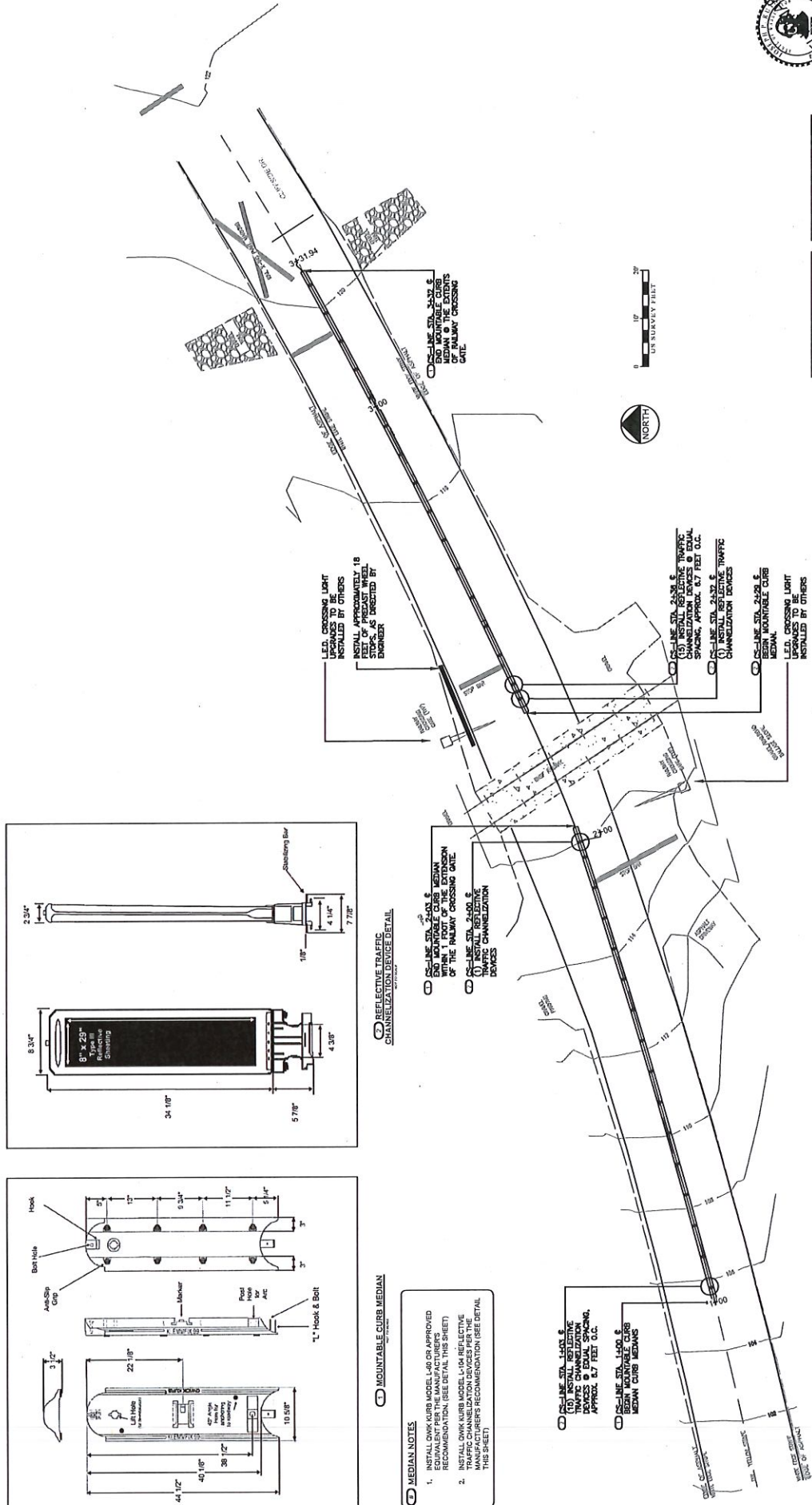
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1. MOUNTABLE CURB MEDIAN
1. INSTALL OWK KURB MODEL L-48 OR APPROVED EQUIVALENT PER THE MANUFACTURER'S RECOMMENDATION (SEE DETAIL THIS SHEET).
2. TRAFFIC CHANNELIZATION DEVICES PER THE MANUFACTURER'S RECOMMENDATION (SEE DETAIL THIS SHEET).

2. REFLECTIVE TRAFFIC CHANNELIZATION DEVICE
(1) INSTALL REFLECTIVE TRAFFIC CHANNELIZATION DEVICES APPROX. 8.7 FEET O.C.
(2) INSTALL REFLECTIVE TRAFFIC CHANNELIZATION DEVICES APPROX. 8.7 FEET O.C.

3. REFLECTIVE CURB MEDIAN
(1) INSTALL REFLECTIVE TRAFFIC CHANNELIZATION DEVICES APPROX. 8.7 FEET O.C.
(2) INSTALL REFLECTIVE TRAFFIC CHANNELIZATION DEVICES APPROX. 8.7 FEET O.C.

