



WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

	)	DOCKET NO. TR-
	)	
Skagit County	)	PETITION FOR INSTALLATION OF
_____	)	MEDIAN BARRIERS AT A
Petitioner,	)	HIGHWAY-RAIL GRADE
	)	CROSSING
vs.	)	
Burlington Northern Santa Fe Railway	)	
_____	)	
Respondent	)	USDOT CROSSING NO.: 084789V
	)	
.....	)	

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*

Skagit County _____ Petitioner
_____ Signature
1800 Continental Place _____ Street Address
Mount Vernon, WA 98273 _____ City, State and Zip Code
Same _____ Mailing Address, if different than the street address
Forrest Jones _____ Contact Person Name
360-416-1422 <a href="mailto:forresti@co.skagit.wa.us">forresti@co.skagit.wa.us</a> _____ Contact Phone Number and Email Address

*Section 2 – Respondent's Information*

Burlington Northern Santa Fe Railway

Respondent

2454 Occidental Avenue South, Suite 2D

Street Address

Seattle, WA 98134

City, State and Zip Code

\_\_\_\_\_  
Mailing Address, if different than the street address

Stephen Semenick, Manager of Public Projects

Contact Person Name

206-625-6152, [Stephen.Semenick@BNSF.com](mailto:Stephen.Semenick@BNSF.com)

Contact Phone Number and Email Address

*Section 3 – Crossing Location*

1. Name of highway/roadway (South) Legg Road

2. Name of railroad Burlington Northern Santa Fe Railway

3. USDOT Crossing No. 084789V

4. Located in the SW 1/4 of the SW 1/4 of Sec. 27 Twp. 36 Range 3E W.M.

5. GPS location, if known Lat. 48.5906606 / Long. -122.4164870

6. Railroad mile post (nearest tenth) 81.41

7. City Burlington County Skagit

Section 4 – Current Crossing Traffic

1. Type of public road at the crossing       State       County       City  
 Port       State Park       Other \_\_\_\_\_
2. Average daily vehicle traffic over the tracks 190      Vehicle speed limit 25-MPH
3. Number of lanes 2
4. Trucks (commercial vehicles) are what percent of average daily traffic 0.4
5. Number of school buses over the crossing each day 2
6. Name of railroad(s) operating at crossing \_\_\_\_\_  
Burlington Northern Santa Fe Railway  
AmTrac
7. Type of railroad at crossing       Common Carrier       Logging       Industrial  
 Passenger       Excursion
8. Type of tracks at crossing       Main Line       Siding or Spur
9. Number of tracks at crossing 1
10. Average daily train traffic, freight 20  
Authorized freight train speed 59      Operated freight train speed 50
11. Average daily train traffic, passenger 2  
Authorized passenger train speed 79      Operated passenger train speed 79

*Section 5 – Justification*

1. Provide the following information:

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

Skagit County has issued a Notice of Intent to establish a quiet zone at the (South) Legg Road grade crossing. With the lack of train horns the risk index increases substantially, in order to reduce the risk index at this crossing without train horns it is necessary to install Supplemental Safety Measures (SSM's), non-traversable median barriers. The installation of the non-traversable median barriers with delineators will reduce the risk index with horns from 11,920.94 to 3,976.83 without horns, a 67% reduction, in addition to bringing it below the National Significant Risk Index of 14,347.00. The non-traversable median barriers will provide a physical deterrent in the absence of the train horn and restrict motorist from driving around the gates. The crossing will maintain the existing warning devices of two gates, advanced warning signs, bells and flashing lights. This crossing is part of a four crossing quiet zone in which non-traversable median barriers will be installed at three of the four crossings, reducing the overall risk index for the quiet zone from 11,497.06 with train horns to 6,077.37 without train horns.

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

The non-traversable median barriers will be constructed on-site using concrete. The median will be 12 inches in width and 6 inches in height. The length of the median barriers will begin at the gates and extend 100 feet in length. Reflective breakaway traffic channelization devices are 36 inches tall by 8 to 12 inches wide with 192 to 288 square inches of type III reflective sheeting. These will be installed on top of the median barriers and spaced at approximately 120 inch intervals the length of the median barriers.

**c. Describe who will maintain the barriers.**

The non-traversable median barriers will be maintained by Skagit County Public Works Operations Division. The barriers, channelization devices, and signing will be maintained in accordance with standard maintenance practices, repairing or replacing any compromising functionality of the barrier, channelization devices, and signing. As with all of our traffic control devices, the County performs annual inspections that included retro-reflectivity surveys and repainting of striping and curbing/medians. As this will be Skagit County's first quiet zone, we intend to monitor the site closely and address any issues, maintenance or operational that may occur.

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

See attached plan of the proposed non-traversable median barriers



*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.

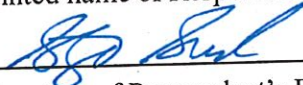
USDOT Crossing No. 084789V

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 Seattle, Washington, on the 11<sup>th</sup> day of  
October, 20 17.

Stephen Semenick

Printed name of Respondent



Signature of Respondent's Representative

Manager Public Projects

Title

BNSF Railway Company

Company Name

206-625-6152; Stephen.Semenick@bnsf.com

Phone number and email address

2454 Occidental Ave S, Suite 2D

Seattle, WA 98134

Mailing address

**RESOLUTION NO.**

**RESOLUTION INITIATING COUNTY ROAD PROJECTS**

**BEFORE THE BOARD OF COUNTY COMMISSIONERS OF SKAGIT COUNTY, WA**

In the matter of initiating County Road Projects and assigning CRP numbers.

**IT IS HEREBY RESOLVED THAT** the Blanchard Quiet Zone, Tye Road Culvert, and Guemes Ferry Parking Lot Improvements Projects listed below be improved as shown at or between the points indicated. These projects are hereby declared to be a public necessity and the county road engineer is hereby ordered and authorized to report and proceed thereon as by law provided. (RCW 36.75.050, 36.80.030, and 36.80.070).

**IT IS FURTHER RESOLVED** that if and when Washington State Department of Transportation (WSDOT) services are used during a project as mandated in RCW 47.04.060, authorization is hereby given that WSDOT will be reimbursed for services rendered.

**IT IS FURTHER RESOLVED** that appropriations from the officially adopted Road Fund budget and based on the County Engineer's estimates are hereby made in the amounts and for the purposes shown:

1	2	3		4	5	6	7				8	9
							ROAD NAME AND/OR BRIDGE NUMBER	RD. LOG NO.	M.P. TO M.P.	TYPE OF WORK SEE CODES BELOW		
							PE, ROW	CN	GRANT	LOCAL		
BLANCHARD QUIET ZONE (Legg Rd / Colony Rd)	20830 24000	Vary	Vary	A,F,G	X	X	18	45	0	63	21	ES20830-3 / -3A
TYEE ROAD	83000	0.50	0.80	A,H	X	X	37	214	0	251	20	ES83000-2
GUEMES FERRY PARKING LOT IMPROVEMENTS	N/A	N/A	N/A	A,J	X	X	47	203	216	34	22	FEMP-6

Appropriate

(4) Type of Work Code:

- |                                 |                       |
|---------------------------------|-----------------------|
| A. Preliminary Engineering      | F. Curbs & Gutters    |
| B. Right-of-Way                 | G. Traffic Facilities |
| C. Grading, Draining, Surfacing | H. Bridges, Culverts  |
| D. BST                          | I. Paths and Trails   |
| E. AC or PCC Pavement           | J. Ferry              |

**IT IS FURTHER RESOLVED** that:

- The construction is to be accomplished by contract in accordance with RCW 36.77.020 et.seq.
- The construction is to be accomplished by county forces in accordance with RCW 36.77.065 and WAC 136-18.
- The construction is to be accomplished by contract with County Force participation.

ADOPTED this 19 day of June, 2017.

BOARD OF COUNTY COMMISSIONERS  
SKAGIT COUNTY, WASHINGTON

Ron Wesen

Ron Wesen, Chair

ABSENT

Kenneth A. Dahlistedt, Commissioner

Lisa Janicki  
Lisa Janicki, Commissioner



Attest:

Linda Hamme  
Clerk of the Board

Approved as to Form:

[Signature]  
Skagit County Prosecuting Attorney

Hand 6/12/17

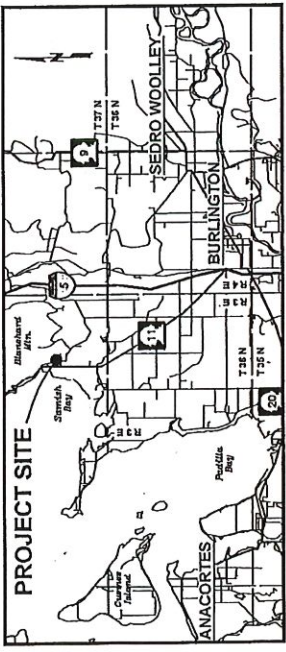
Approved as to content:

[Signature]  
Department Head

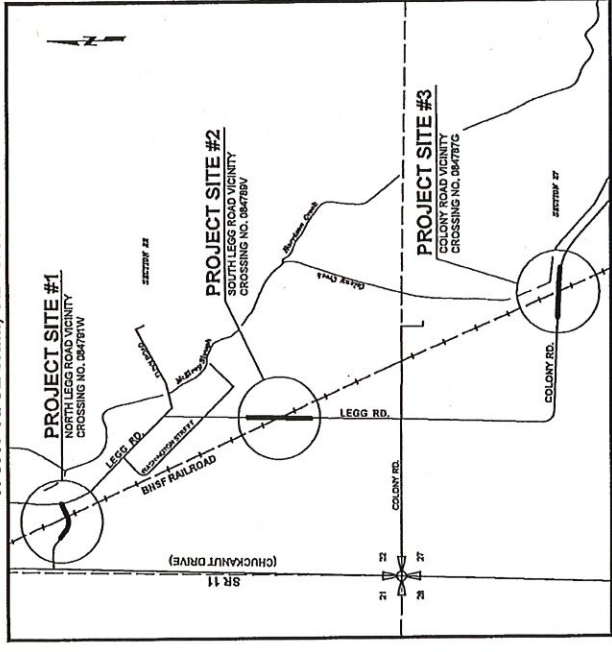
[Signature]

# BLANCHARD QUIET ZONE (LEGG RD & COLONY RD CROSSINGS) ES20830-3 \ ES20830-3A

FEDERAL AID NO.: N/A



T. 37N R. 3E W.M., SECTIONS 22 & 27.



VICINITY MAP NTS

**PLAN SHEET INDEX**

SHEET	TITLE
1	COVER, LEGEND
2	ROAD SECTIONS
3	PAVING PLANS
4	CURB DETAILS



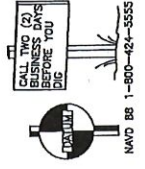
**SKAGIT COUNTY OFFICIALS**  
 BOARD OF COMMISSIONERS  
 •RON WESSEN, CHAIR  
 •KENNETH A. DAHLSTEDT, COMMISSIONER  
 •JAN WINKEL, COMMISSIONER  
 •DAN BREIBY, DIRECTOR

PAUL A. RANDALL-GRUTTER, P.E., COUNTY ENGINEER DATE \_\_\_\_\_

**SUMMARY OF QUANTITIES**

Item #	Qty.	Unit	Item Description
1	1	LS	MOBILIZATION
2	30	CY	BALLAST
3	500	LF	EXTRUDED DUAL-PAVED TRAFFIC CURB
4	36	EA	VERTICAL PANEL
5	360	LF	PAVING CURB
6	280	LF	PAINT REMOVAL
7	16	EA	POSTHOLE ZIPPERS
8	1	LS	REMOVE CURB FOR THIRD PARTY DAMAGE
9	2	DAY	RAILROAD SIGNAGE
10	1	LS	SPACE

- LEGEND**
- EXISTING EDGE OF PAVEMENT
  - EXISTING EDGE OF SHOULDER
  - EXISTING CONCRETE PAD
  - EXISTING RAILROAD TRACKS
  - EXISTING RAILROAD GATE
  - EXISTING GUARDRAIL
  - EXISTING SIGN
  - NEW SIGN
  - PROPOSED CURB
  - GRADING / FILL LIMITS
  - EXISTING PAVEMENT MARKINGS
  - EXISTING POWER POLE



<p><b>SKAGIT COUNTY PUBLIC WORKS</b>                  COUNTY CENTRAL PLAZA                  MOUNTAIN VIEW, WA 98272-5025                  (509) 418-1400 FAX (509) 418-1405</p>	<p>PROJECT NO.: ES20830-3 \ ES20830-3A                  TOWN/SHIP 35 R4D/E 3 EAST SECTIONS 22 &amp; 27                  BOM, WA</p>	<p><b>BLANCHARD QUIET ZONE</b>                  LEGG RD &amp; COLONY RD                  CROSSINGS</p>
<p>DESIGNED BY: EA                  DRAWN BY: EA                  CHECKED BY: PJ                  APPROVED BY: _____</p>		<p>INDEX/VICINITY / SDO/LEGEND</p>
<p>NO. _____                  REVISIONS _____                  DATE _____</p>		<p>SCALE: AS SHOWN                  NORTH ARROW</p>
<p>DATE _____</p>		<p>1 OF 6                  SHEET</p>

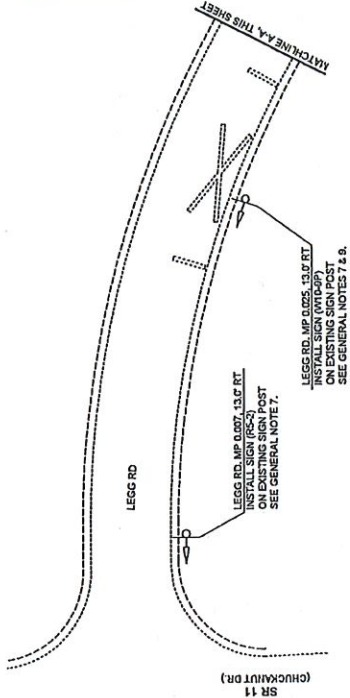




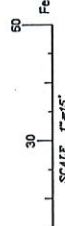
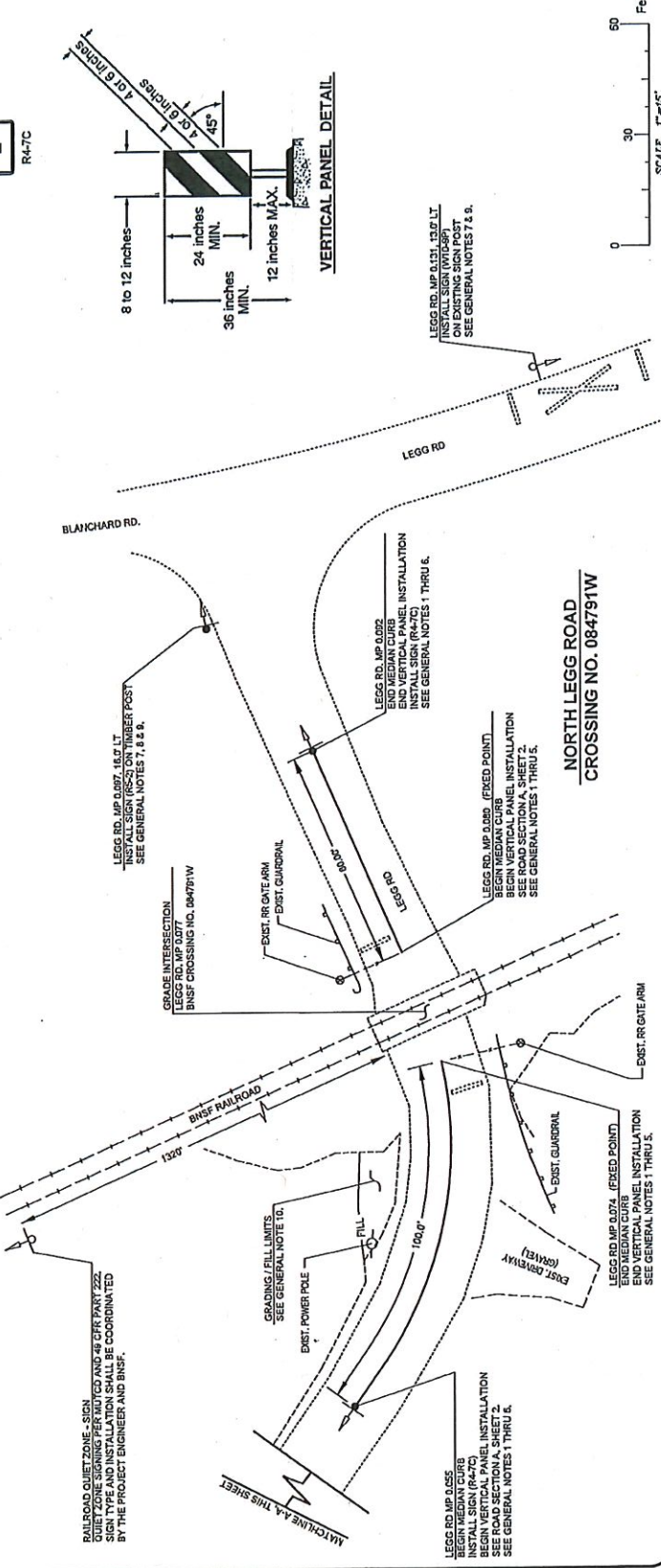
# BLANCHARD QUIET ZONE (LEGG RD & COLONY RD CROSSINGS) ES20830-3 | ES20830-3A

FEDERAL AID NO.: N/A

<b>SKAIFT COUNTY PUBLIC WORKS</b> 100 COMMERCIAL PLACE MOULTON BIRMINGHAM, AL 35225 (205) 416-1400 FAX (205) 416-1403		PROJECT NO.: ES20830-3   ES20830-3A PROJECT LOCATION: BNSF EAST TRACKS 22 & 27 BOW, WA	
PROJECT: BLANCHARD QUIET ZONE LEGG RD & COLONY RD CROSSINGS NORTH LEGG ROAD BNSF CROSSING NO. 084791W		PROJECT LOCATION: BNSF EAST TRACKS 22 & 27 BOW, WA CHECKED BY: PJ DESIGNED BY: SA DRAWN BY: EA APPROVED BY:	
NO	REVISIONS	DATE	



- GENERAL NOTES**
- SEE DUAL-FACED CEMENT CONC. TRAFFIC CURB DETAIL ON SHEET 6
  - THE MEDIAN CURB OVERALL LENGTH SHALL BE DETERMINED BY THE FIXED POINT AS IDENTIFIED IN THE PLANS BELOW. THIS FIXED POINT IS WHERE THE RAILROAD CROSSING GATE INTERSECTS THE ROADWAY CENTERLINE AND IT SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT ENGINEER. THE PLANS DO NOT SHOW CONCRETE MEDIAN CURB. THIS ESTABLISHED POINT SHALL BE USED TO LOCATE THE MEDIAN CURB. THE MEDIAN CURB SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO USE.
  - VERTICAL PANEL TYPE, SHEETINGS & HARDWARE SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO USE.
  - VERTICAL PANELS SHALL BE ANCHORED TO THE CURB AND PLACED EVERY 10.0 O.C.
  - FOR TYPICAL VERTICAL PANEL DIMENSIONS, SEE VERTICAL PANEL DETAIL ON THIS SHEET. ALTERNATE PANEL TYPES MAY BE USED BUT SHALL REQUIRE PROJECT ENGINEER APPROVAL PRIOR TO INSTALLATION.
  - SIGN R-4-7C SHALL BE ANCHORED TO THE MEDIAN CURB WITH AN APPROPRIATE ANCHOR BASE TO BE APPROVED BY THE PROJECT ENGINEER PRIOR TO USE.
  - FOR SIGN INSTALLATION LOCATION REQUIREMENTS SEE WSDOT STANDARD PLAN G-201.04-00
  - FOR SIGN INSTALLATION SUPPORT INSTALLATION, SEE WSDOT STANDARD PLAN G-22.10-01, SINGLE POST INSTALLATION.
  - ALL SIGN SUPPORTS SHALL BE COVERED UPON COMPLETION OF INSTALLATION. SIGN SHALL BE UNCOVERED 48 HOURS AFTER THE QUIET ZONE HAS BEEN OFFICIALLY ESTABLISHED.
  - FILL MATERIAL SHALL BE CRUSHED SURFACING BASE COURSE. APPROXIMATELY 10 CY SHALL BE PLACED IN THE LOCATION OUTLINED ABOVE TO EXTEND THE EXISTING SHOULDER OUT IN LINE WITH THE EXISTING UTILITY POLE SHOWN IN THE PLANS. THE FILL LIMITS SHALL BE MARKED BY THE PROJECT ENGINEER PRIOR TO FILL BEING PLACED. PLACED FILL SHALL BE COMPACTED TO 95% COMPACTION, AS DETERMINED BY THE PROJECT ENGINEER. NO SENSITIVE AREAS SHALL BE IMPACTED.



CONTRACT NUMBER: ES20830-3 | ES20830-3A | ES20830-3A | ES20830-3A | ES20830-3A



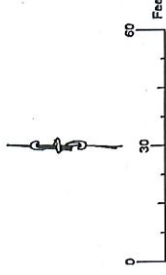


# BLANCHARD QUIET ZONE (LEGG RD & COLONY RD CROSSINGS) ES20830-3 | ES20830-3A

## GENERAL NOTES

- 1) SEE DUAL-FACED CEMENT CONIC TRAFFIC CURBS DETAIL ON SHEET 5
- 2) THE MEDIAN CURB OVERALL LENGTH SHALL BE DETERMINED BY THE FIXED POINT AS IDENTIFIED IN THE PLANS BELOW. THIS FIXED POINT IS WHERE THE RAILROAD CROSSING INTERSECTS THE ROADWAY CENTERLINE AND IT SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT ENGINEER PRIOR TO BEGINNING CONSTRUCTION OF THE CURB. THE OVERALL LENGTH CALLED OUT IN THE PLANS BELOW SHALL BE DEFINED FROM THIS ESTABLISHED POINT.
- 3) VERTICAL PANEL TYPE, SHEETING & HARDWARE SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO USE.
- 4) VERTICAL PANELS SHALL BE ANCHORED TO THE CURB AND PLACED EVERY 10.0' O.C.
- 5) FOR TYPICAL VERTICAL PANEL DIMENSIONS, SEE VERTICAL PANEL DETAIL ON THIS SHEET. ALTERNATE PANEL TYPES MAY BE USED BUT SHALL REQUIRE PROJECT ENGINEER APPROVAL PRIOR TO INSTALLATION.
- 6) SIGN R4-7C SHALL BE USED TO IDENTIFY THE LOCATION OF THE QUIET ZONE BEGINNING POINT.
- 7) FOR SIGN INSTALLATION LOCATION REQUIREMENTS SEE WSDOT STANDARD PLAN G-20.10-00.
- 8) FOR TIMBER SIGN SUPPORT INSTALLATION, SEE WSDOT STANDARD PLAN G-22.10-01, SINGLE POST INSTALLATION.
- 9) SIGN SHALL BE COVERED UPON COMPLETION OF INSTALLATION. SIGN SHALL BE UNCOVERED 48 HOURS AFTER THE QUIET ZONE HAS BEEN OFFICIALLY ESTABLISHED.
- 10) FILL MATERIAL SHALL BE CRUSHED SURFACING BASE COURSE. APPROXIMATELY 10 CY SHALL BE PLACED IN THE LOCATION OUTLINED ABOVE TO EXTEND THE EXISTING SHOULDER OUT IN LINE WITH THE EXISTING UTILITY POLE SHOWN IN THE PLANS. THE FILL LIMITS SHALL BE MARKED BY THE PROJECT ENGINEER PRIOR TO FILL BEING PLACED. PLACED FILL SHALL BE COMPACTED TO 95% COMPACTION, AS DETERMINED BY THE PROJECT ENGINEER. NO SENSITIVE AREAS SHALL BE IMPACTED.

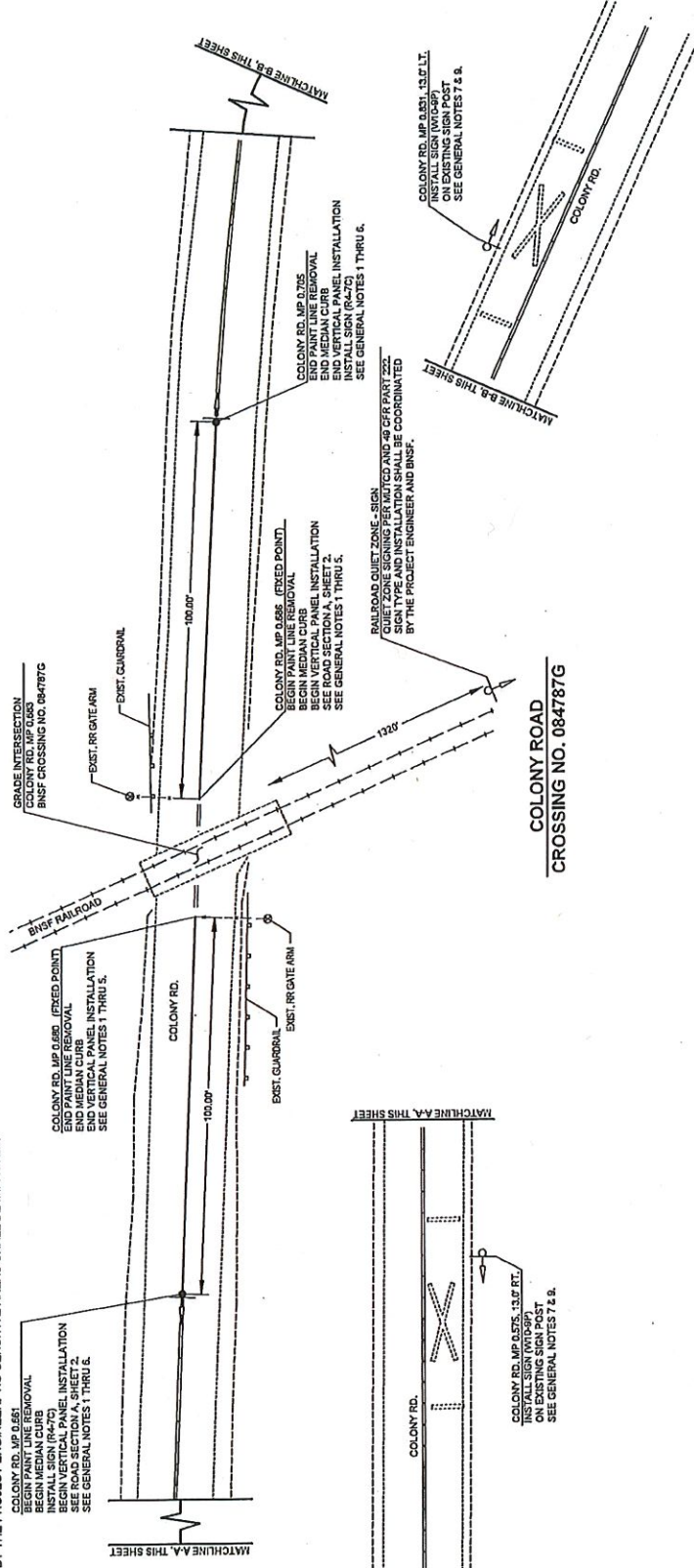
FEDERAL AID NO.: N/A



R4-7C



W10-3P



COLONY ROAD  
CROSSING NO. 084787G

PROJECT NO.: ES20830-3   ES20830-3A PROJECT LOCATED HEAR: BOW, WA TOWNSHIP 14 RANGE 3 EAST SECTION 22 & 27		COLONY ROAD BNSF CROSSING NO. 084787G	
DESIGNED BY: EA CHECKED BY: RJ APPROVED BY:	RD A/D: VA COLONY RD & COLONY RD CROSSINGS	BLANCHARD QUIET ZONE CROSSINGS	
DATE: _____ REVISIONS: _____ NO: _____		SHEET NO. 5 OF 9 TOTAL SHEETS 9 DRAWN TO SCALE UNLESS OTHERWISE NOTED	



