

**WHATCOM COUNTY  
PUBLIC WORKS DEPARTMENT**



**Joseph P. Rutan, P. E.**  
County Engineer/Assistant Director  
322 N. Commercial Street, Ste. 301  
Bellingham, WA 98225-4042  
Phone: (360) 778-6210  
Fax: (360) 778-6211

**Jon Hutchings**  
Director

August 4, 2017

FRA Associate Administrator  
1200 New Jersey Avenue, SE  
Washington, D.C. 20590

**RECEIVED**  
AUG - 7 2017  
WASH. UT. & TP. COMM

**Notice of Quiet Zone Establishment  
Whatcom County, Washington-  
Proposed Quiet Zone at Public Highway/Rail Grade Crossing  
Yacht Club Rd., DOT #084796F M.P. 89.37**

This Notice of Quiet Zone Establishment includes all pertinent information required by 49 Code of Federal Regulations (CFR) 222.43(d) for the public highway/rail grade crossing at Yacht Club Road (DOT #084796F), within Whatcom County, Washington.

The regulatory provision used as the basis for establishing this quiet zone is 49 CFR 222.39(b). The additional safety measures implemented at Yacht Club Road included both supplemental and alternative safety measures. A Public Authority Application to the Federal Railroad Administration (FRA) was submitted June 1, 2016. The FRA approved the proposed safety improvements December 19, 2016 and the FRA notification of approval letter is attached as part of this document. It should be noted that the approved alternative safety measures were upgraded from Mountable medians with Reflective Traffic Channelization Devices to Non-Traversable Curb Medians with Reflective Channelization Devices. This upgrade was required by the Washington State Utilities and Transportation Commission (UTC) (the State agency responsible for grade crossing, highway and road safety) for adequate protection from "gate jumping."

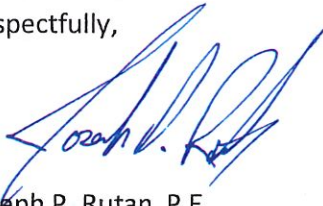
Once the quiet zone is established a 24 hour restriction on the sounding of the locomotive horn shall be imposed.

As part of the establishment of a quiet zone process a Notice of Intent was provided to all impacted parties operating at or over the public highway/rail grade crossing on March 3, 2016 in accordance with 49 CFR 222.43.

The monitoring of compliance with all federal requirements set forth in 49 CFR 222 will be the responsibility of Joseph P. Rutan, P.E., Whatcom County Engineer and Whatcom County staff. All comments concerning this crossing can be directed to Mr. Rutan at (360)778-6210 or by e-mail at jrutan@co.whatcom.wa.us.

With signature of this document I, Joseph P. Rutan, certify that all information contained within is accurate and complete to the best of my knowledge and belief.

Respectfully,



Joseph P. Rutan, P.E.  
County Engineer/Assistant Director

Encl: (1) FRA's Notification of Approval  
(2) U.S. DOT Crossing Inventory Form (prior to safety supplements)  
(3) U.S. DOT Crossing Inventory Form (with safety supplements)

Cc: Stephen Semenick  
Manger Public Projects for WA, ID & BC  
BNSF Railway  
2454 Occidental Avenue So Suite 2D  
Seattle, WA 98134

Elizabeth F Klute (LIS), CEM  
Northwest Regional Emergency Manager (OR/WA/ID/MT/ND)  
Emergency Management & Corporate Security Department  
National Railroad Passenger Corporation - Amtrak  
187 S Holgate St.  
Seattle, WA 98134

Kathy Hunter  
Deputy Assistant Director, Transportation Safety  
Washington Utilities and Transportation Commission  
1300 S. Evergreen Park Dr. SW  
PO Box 47250  
Olympia, WA 98504-7250

Christine Adams  
Region 8 Grade Crossing Manager  
U.S. Department of Transportation  
Federal Railroad Administration  
500 Broadway, Suite 240  
Vancouver, WA 98660

Cc Via Email:

Roland Middleton, Whatcom County  
Kathy Bovenkamp, Chuckanut Bay Community



U.S. Department  
of Transportation

**Federal Railroad  
Administration**

1200 New Jersey Avenue, SE  
Washington, DC 20590

DEC 19 2016

Mr. Joseph P. Rutan  
County Engineer/Assistant Director  
Whatcom County Public Works Department  
322 North Commercial Street, Suite 301  
Bellingham, WA 98225-4042

**Re: THR-00000440001 (U.S. DOT National Highway-Rail Crossing Inventory Number  
084796F)**

Dear Mr. Rutan:

The Federal Railroad Administration (FRA) reviewed the public authority application you submitted on behalf of Whatcom County (County), Washington, under Title 49 Code of Federal Regulations (CFR) Section 222.39(b).

The County is seeking FRA's approval of the proposed effectiveness rate for the alternative safety measure (ASM) at the Yacht Club Road crossing. The proposed ASM at the Yacht Club Road crossing will consist of 100 feet of channelization on the east side of the crossing.<sup>1</sup> The west side of the crossing will be equipped with 35 feet of channelization due to an intersecting street within 60 feet of the gate arm. The County suggested a 15 percent reduction in risk. However, FRA has determined that an effectiveness rate of 0.59 is more appropriate due to the lengths of the channelization.

After recalculating the risk index using the revised effectiveness rate, FRA approves the County's application. FRA has determined that implementation of the proposed ASM, as described in the application, will result in a Quiet Zone Risk Index of 7,269. This index is below the Risk Index With Horns (the risk that would be present if the horns were still sounding) of 17,730.

The County may submit its Notice of Quiet Zone Establishment consistent with 49 CFR 222.43, *What notices and other information are required to create or continue a quiet zone?*, after implementation of the proposed ASM described in the application and compliance with all applicable quiet zone requirements in 49 CFR 222.25, *How does this rule affect private highway-rail grade crossings?*, 222.27, *How does this rule affect pedestrian grade crossings?*, and 222.35, *What are the minimum requirements for quiet zones?* In addition, 49 CFR 222.39(b)(1)(vi) requires the County to provide a commitment to implement the safety

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<sup>1</sup> The County stated that approximately 20 feet from the gate arm there will be a 1-foot or less gap in the channelization to allow for drainage.

improvements it proposed in the public authority application. Thus, FRA's approval is conditioned upon implementation of the safety improvements described in the County's application.

If you have any questions or need additional information, please contact Mr. Ron Ries, Staff Director, Highway-Rail Crossing and Trespasser Programs Division, at (202) 493-6285 or [Ronald.Ries@dot.gov](mailto:Ronald.Ries@dot.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Karl Alexy', written in a cursive style.

Karl Alexy  
Director, Office of Safety Analysis

cc: Ms. Kathy Hunter, Washington Utilities and Transportation Commission  
Ms. Elizabeth F. Klute, National Railroad Passenger Corporation  
Mr. Richard W. Wagner, BNSF Railway

## U. S. DOT CROSSING INVENTORY FORM

**DEPARTMENT OF TRANSPORTATION**  
 FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk \* denotes an optional field.

<b>A. Revision Date</b> (MM/DD/YYYY) 06 / 14 / 2016	<b>B. Reporting Agency</b> <input type="checkbox"/> Railroad <input type="checkbox"/> Transit <input checked="" type="checkbox"/> State <input type="checkbox"/> Other	<b>C. Reason for Update (Select only one)</b> <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	<b>D. DOT Crossing Inventory Number</b> 084796F
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### Part I: Location and Classification Information

<b>1. Primary Operating Railroad</b> BNSF Railway Company (BNSF)		<b>2. State</b> WASHINGTON		<b>3. County</b> WHATCOM	
<b>4. City / Municipality</b> <input type="checkbox"/> In <input checked="" type="checkbox"/> Near BELLINGHAM		<b>5. Street/Road Name &amp; Block Number</b> YACHT CLUB RD (Street/Road Name)   * (Block Number)		<b>6. Highway Type &amp; No.</b> CO40670	
<b>7. Do Other Railroads Operate a Separate Track at Crossing?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			<b>8. Do Other Railroads Operate Over Your Track at Crossing?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
<b>9. Railroad Division or Region</b> <input type="checkbox"/> None NORTHWEST		<b>10. Railroad Subdivision or District</b> <input type="checkbox"/> None BELLINGHAM		<b>11. Branch or Line Name</b> <input type="checkbox"/> None PA J-US CAN BDR	
<b>12. RR Milepost</b> 0089.389 (prefix)   (nnnn.nnn)   (suffix)		<b>13. Line Segment</b> * 0050			
<b>14. Nearest RR Timetable Station</b> * BELLINGHAM		<b>15. Parent RR (if applicable)</b> <input checked="" type="checkbox"/> N/A		<b>16. Crossing Owner (if applicable)</b> <input type="checkbox"/> N/A BNSF	
<b>17. Crossing Type</b> <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	<b>18. Crossing Purpose</b> <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.	<b>19. Crossing Position</b> <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over	<b>20. Public Access (if Private Crossing)</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>21. Type of Train</b> <input type="checkbox"/> Freight <input checked="" type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter <input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other	<b>22. Average Passenger Train Count Per Day</b> <input checked="" type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day
<b>23. Type of Land Use</b> <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
<b>24. Is there an Adjacent Crossing with a Separate Number?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Crossing Number			<b>25. Quiet Zone (FRA provided)</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
<b>26. HSR Corridor ID</b> <input checked="" type="checkbox"/> N/A		<b>27. Latitude in decimal degrees</b> (WGS84 std: nn.nnnnnnn) 48.6755733		<b>28. Longitude in decimal degrees</b> (WGS84 std: -nnn.nnnnnnn) -122.4892095	
<b>29. Lat/Long Source</b> <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated					
<b>30.A. Railroad Use *</b>			<b>31.A. State Use *</b>		
<b>30.B. Railroad Use *</b>			<b>31.B. State Use *</b>		
<b>30.C. Railroad Use *</b>			<b>31.C. State Use *</b>		
<b>30.D. Railroad Use *</b>			<b>31.D. State Use *</b>		
<b>32.A. Narrative (Railroad Use) *</b>			<b>32.B. Narrative (State Use) *</b>		
<b>33. Emergency Notification Telephone No. (posted)</b> 800-832-5452		<b>34. Railroad Contact (Telephone No.)</b> 817-352-1549		<b>35. State Contact (Telephone No.)</b> 360-664-1262	

### Part II: Railroad Information

<b>1. Estimated Number of Daily Train Movements</b>				
<b>1.A. Total Day Thru Trains (6 AM to 6 PM)</b> 10	<b>1.B. Total Night Thru Trains (6 PM to 6 AM)</b> 10	<b>1.C. Total Switching Trains</b> 0	<b>1.D. Total Transit Trains</b> 0	<b>1.E. Check if Less Than One Movement Per Day</b> <input type="checkbox"/> How many trains per week?
<b>2. Year of Train Count Data (YYYY)</b> 2013		<b>3. Speed of Train at Crossing</b> 3.A. Maximum Timetable Speed (mph) 50 3.B. Typical Speed Range Over Crossing (mph) From 1 to 50		
<b>4. Type and Count of Tracks</b> Main 1 Siding 0 Yard 0 Transit 0 Industry 0				
<b>5. Train Detection (Main Track only)</b> <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
<b>6. Is Track Signaled?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>7.A. Event Recorder</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>7.B. Remote Health Monitoring</b> <input type="checkbox"/> Yes <input type="checkbox"/> No

# U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 06/14/2016	PAGE 2	D. Crossing Inventory Number (7 char.) 084796F
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## Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Types of Passive Traffic Control Devices associated with the Crossing				
	2.A. Crossbuck Assemblies (count) 2	2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None	
				<input checked="" type="checkbox"/> W10-1 _____	<input checked="" type="checkbox"/> W10-3 2
				<input type="checkbox"/> W10-2 _____	<input type="checkbox"/> W10-4 _____
				<input type="checkbox"/> W10-11 _____	<input type="checkbox"/> W10-12 _____
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No	2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs Specify Type _____ Count _____ Specify Type _____ Count _____ Specify Type _____ Count _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian _____	3.B. Gate Configuration <input checked="" type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates <input type="checkbox"/> 4 Quad	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 6
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) _____/_____/_____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/_____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) 1
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____	
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None	

## Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input checked="" type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/_____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input checked="" type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____			
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) 75		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°	
8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

## Part V: Public Highway Information

1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid	2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local	3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit _____ MPH <input type="checkbox"/> Posted <input type="checkbox"/> Statutory
7. Annual Average Daily Traffic (AADT) Year 2013 AADT 222		8. Estimated Percent Trucks 01 %	
9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day _____		10. Emergency Services Route <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

### Submission Information - This information is used for administrative purposes and is not available on the public website.

Submitted by \_\_\_\_\_ Organization \_\_\_\_\_ Phone \_\_\_\_\_ Date \_\_\_\_\_

Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.

# U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk \* denotes an optional field.

<b>A. Revision Date</b> (MM/DD/YYYY) 08 / 01 / 2017	<b>B. Reporting Agency</b> <input type="checkbox"/> Railroad <input type="checkbox"/> Transit <input checked="" type="checkbox"/> State <input type="checkbox"/> Other	<b>C. Reason for Update (Select only one)</b> <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> Re-Open <input type="checkbox"/> New Crossing <input type="checkbox"/> Date Change Only <input type="checkbox"/> Closed <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	<b>D. DOT Crossing Inventory Number</b> 084796F
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## Part I: Location and Classification Information

<b>1. Primary Operating Railroad</b> BNSF Railway Company [BNSF]		<b>2. State</b> WASHINGTON		<b>3. County</b> WHATCOM		
<b>4. City / Municipality</b> <input type="checkbox"/> In <input checked="" type="checkbox"/> Near BELLINGHAM		<b>5. Street/Road Name &amp; Block Number</b> YACHT CLUB RD (Street/Road Name)   * (Block Number)		<b>6. Highway Type &amp; No.</b> CO40670		
<b>7. Do Other Railroads Operate a Separate Track at Crossing?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			<b>8. Do Other Railroads Operate Over Your Track at Crossing?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK			
<b>9. Railroad Division or Region</b> <input type="checkbox"/> None NORTHWEST		<b>10. Railroad Subdivision or District</b> <input type="checkbox"/> None BELLINGHAM		<b>11. Branch or Line Name</b> <input type="checkbox"/> None PA J-US CAN BDR		
<b>12. RR Milepost</b> 0089.389 (prefix)   (nnnn.nnn)   (suffix)		<b>13. Line Segment</b> * 0050				
<b>14. Nearest RR Timetable Station</b> * BELLINGHAM		<b>15. Parent RR (if applicable)</b> <input checked="" type="checkbox"/> N/A		<b>16. Crossing Owner (if applicable)</b> <input type="checkbox"/> N/A BNSF		
<b>17. Crossing Type</b> <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	<b>18. Crossing Purpose</b> <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.	<b>19. Crossing Position</b> <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over	<b>20. Public Access (if Private Crossing)</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>21. Type of Train</b> <input type="checkbox"/> Freight <input checked="" type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter <input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other	<b>22. Average Passenger Train Count Per Day</b> <input checked="" type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day	
<b>23. Type of Land Use</b> <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard						
<b>24. Is there an Adjacent Crossing with a Separate Number?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Crossing Number			<b>25. Quiet Zone (FRA provided)</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established			
<b>26. HSR Corridor ID</b> <input checked="" type="checkbox"/> N/A		<b>27. Latitude in decimal degrees</b> (WGS84 std: nn.nnnnnn) 48.6755733		<b>28. Longitude in decimal degrees</b> (WGS84 std: -nnn.nnnnnn) -122.4892095		
<b>29. Lat/Long Source</b> <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimated		<b>30.A. Railroad Use *</b>				
<b>30.B. Railroad Use *</b>		<b>31.A. State Use *</b>				
<b>30.C. Railroad Use *</b>		<b>31.B. State Use *</b>				
<b>30.D. Railroad Use *</b>		<b>31.C. State Use *</b>				
<b>30.E. Railroad Use *</b>		<b>31.D. State Use *</b>				
<b>32.A. Narrative (Railroad Use) *</b>			<b>32.B. Narrative (State Use) *</b>			
<b>33. Emergency Notification Telephone No. (posted)</b> 800-832-5452		<b>34. Railroad Contact (Telephone No.)</b> 817-352-1549		<b>35. State Contact (Telephone No.)</b> 360-664-1262		

## Part II: Railroad Information

<b>1. Estimated Number of Daily Train Movements</b>					
<b>1.A. Total Day Thru Trains (6 AM to 6 PM)</b> 10	<b>1.B. Total Night Thru Trains (6 PM to 6 AM)</b> 10	<b>1.C. Total Switching Trains</b> 0	<b>1.D. Total Transit Trains</b> 0	<b>1.E. Check if Less Than One Movement Per Day</b> <input type="checkbox"/> How many trains per week? _____	
<b>2. Year of Train Count Data (YYYY)</b> 2013		<b>3. Speed of Train at Crossing</b> 3.A. Maximum Timetable Speed (mph) 50 3.B. Typical Speed Range Over Crossing (mph) From 1 to 50			
<b>4. Type and Count of Tracks</b> Main 1 Siding 0 Yard 0 Transit 0 Industry 0					
<b>5. Train Detection (Main Track only)</b> <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None					
<b>6. Is Track Signaled?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<b>7.A. Event Recorder</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>7.B. Remote Health Monitoring</b> <input type="checkbox"/> Yes <input type="checkbox"/> No

# U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (MM/DD/YYYY) 08/01/2017	PAGE 2	D. Crossing Inventory Number (7 char.) 084796F
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## Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing				
2.A. Crossbuck Assemblies (count) 2		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None		
				<input type="checkbox"/> W10-1 <input type="checkbox"/> W10-2	<input checked="" type="checkbox"/> W10-3 2 <input type="checkbox"/> W10-4 <input type="checkbox"/> W10-11 <input type="checkbox"/> W10-12	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <input type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input checked="" type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input type="checkbox"/> None	2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.J. Other MUTCD Signs Specify Type <u>W10-9</u> Count <u>3</u> Specify Type _____ Count _____ Specify Type _____ Count _____			2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No	2.L. LED Enhanced Signs (List types)		
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)						
3.A. Gate Arms (count) Roadway <u>2</u> Pedestrian _____	3.B. Gate Configuration <input checked="" type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) <input type="checkbox"/> 3 Quad Resistance <input type="checkbox"/> 4 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>0</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) <u>2</u> <input type="checkbox"/> Incandescent <input type="checkbox"/> LED <input type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs <u>6</u>	
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) ____/____/____ <input type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/____ <input type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.I. Bells (count) <u>1</u>	
3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input type="checkbox"/> None				3.K. Other Flashing Lights or Warning Devices Count <u>0</u> Specify type _____		
4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No	4.B. Hwy Traffic Signal Interconnection <input type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs	4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance	5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input type="checkbox"/> No Storage Distance * _____ Stop Line Distance * _____	6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input type="checkbox"/> None		

## Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad Number of Lanes <u>2</u>	<input type="checkbox"/> One-way Traffic <input checked="" type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic	2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input type="checkbox"/> No
5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/____ Width * _____ Length * _____				
<input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input type="checkbox"/> 3 Asphalt and Timber <input checked="" type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____				
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) <u>75</u>		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

## Part V: Public Highway Information

1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal Aid	2. Functional Classification of Road at Crossing <input checked="" type="checkbox"/> (0) Rural <input type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit _____ MPH <input type="checkbox"/> Posted <input type="checkbox"/> Statutory
7. Annual Average Daily Traffic (AADT) Year <u>2013</u> AADT <u>222</u>	8. Estimated Percent Trucks <u>01</u> %	9. Regularly Used by School Buses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Average Number per Day _____		10. Emergency Services Route <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Submission Information** - This information is used for administrative purposes and is not available on the public website.

Submitted by \_\_\_\_\_ Organization \_\_\_\_\_ Phone \_\_\_\_\_ Date \_\_\_\_\_

Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.



## Appendix A: Crossing Inventory Record – Full Data Description

This supplement document provides a full text description for some fields where the values may not be fully displayed from within the actual U. S. DOT CROSSING INVENTORY FORM. This is not the official OMB approved form.

### Part I: Location and Classification Information

1. Primary Operating Railroad: BNSF Railway Company [BNSF]
2. State: WASHINGTON
3. County: WHATCOM
4. City/Municipality: BELLINGHAM
5. Street/Road Name & Block #: YACHT CLUB RD
6. Highway Type & No.: CO40670
9. Railroad Division or Region: NORTHWEST
10. Railroad Subdivision or District: BELLINGHAM
11. Branch or Line Name: PA J-US CAN BDR
13. Line Segment: 0050
14. Nearest RR Timetable Station: BELLINGHAM
15. Parent RR:
16. Crossing Owner: BNSF
30. A. Railroad Use:

30. B. Railroad Use:

30. C. Railroad Use:

30. D. Railroad Use:

31. A. State Use:

31. B. State Use:

31. C. State Use:

31. D. State Use:

32. A. Narrative (*Railroad Use*):

32. B. Narrative (*State Use*):

**Part III: Highway or Pathway Traffic Control Device Information**

2.J. Other MUTCD Signs (Type): W10-9

Count: 3

2.J. Other MUTCD Signs (Type):

Count:

2.J. Other MUTCD Signs (Type):

Count:

2.L. LED Enhanced Signs:

3.K. Other Flashing Lights or Warning Devices: Count: 0 Type:

**Part IV: Physical Characteristics**

5. Crossing Surface: Other (specify):

**Part V: Public Highway Information**

5. Linear Referencing System (LRS Route ID):

6. LRS Milepost:

