

TR-140455



City of Vancouver • P.O. Box 1995 • Vancouver, WA 98668-1995
www.cityofvancouver.us

Associate Administrator for Railroad Safety
Federal Railroad Administration
Office of Railroad Safety,
1200 New Jersey Avenue, SE
Mail Stop 25
Washington, DC 20590

October 27, 2014

RECEIVED
PORTLAND MANAGEMENT
2014 OCT 31 PM 3:28
STATE OF WASH.
UTIL. AND TRANSP.
COMMISSION

Subject: Notice of Establishment of a Railroad Quiet Zone under 49 CFR 222.39(b)(1) and 49 CFR 223.43(d)
Quiet Zone: Chelsea Drive – Vancouver, WA.

In order to activate the quiet zone described herein pursuant to the requirements of 49 CFR 222 et.seq., and 49 CFR 223 et.seq., the City of Vancouver submits this Notice of Quiet Zone Establishment inclusive of Attachments "A-C".

All public highway-rail grade crossings to be included within the quiet zone are:

<u>Crossing ID</u>	<u>Street Name</u>
090074M	Chelsea Drive

Effective Date of Quiet Zone

Date 21 days after mailing this notice is to be the date upon which routine locomotive horn use at the above crossings shall cease (November 17, 2014).

Regulatory basis for designation of Quiet Zone

This Quiet Zone will be established under the regulatory provisions of 49 CFR 222.39(b)(1), which require implementation of Alternative Safety Measures, Supplemental Safety Measures or a combination of the two at every public crossing in the Quiet Zone.

Prior to the effective date, the following equipment will be in operation.

In fact, all of these improvements are in place as of the date of this letter.

SE Chelsea Drive: Install a non-traversable median a mountable median with channelization devices on each side of the existing crossing gates. On the north side, 25' of median have been installed, up to the nearest intersection. On the south side, 29 feet of median have been installed and connected to the 23 feet of existing non-traversable

median island on the south side of the crossing gates. "No Train Horn" signs have been installed for vehicle and pedestrian traffic at both approaches to the crossing.

FRA notification of approval

The FRA notified the City of Vancouver of its approval of the submitted Notice of Intent on October 14, 2014. See attachment A.

Time period within which restrictions of the horn will be imposed

The time period within which restrictions on the horn will be imposed is 24 hours per day.

Grade Crossing Inventory Form (Prior to Quiet Zone Establishment)

See Attachment B.

<u>Crossing ID</u>	<u>Street Name</u>
090074M	Chelsea Drive

Grade Crossing Inventory Form (After Quiet Zone Establishment)

See Attachment C.

<u>Crossing ID</u>	<u>Street Name</u>
090074M	Chelsea Drive

Notice of Intent filed

A Notice of Intent to Establish a Quiet Zone at the above listed locations was mailed to all railroads operating over the public grade crossings within the proposed quiet zone, the State agency responsible for grade crossing safety, and the State agency responsible for highway and road safety for those crossings on March 17, 2014. This is in accordance with 49 CFR 222.43(a)(1). Comments received from the Notice of Intent were addressed in the Public Authority Application. The Public Authority Application was mailed to the same parties on June 16, 2014. No comments on the Public Authority Application were received.

The Notice of Intent was mailed more than 60 days before the mailing of this Notice of Quiet Zone Establishment.

Compliance Monitoring Point of Contact

Daniel S. Swensen
Engineering and Construction Services Manager
City of Vancouver
P.O. Box 1995
Vancouver, WA 98668
Phone: (360) 487-7750
Fax: (360) 885-4781
Email: dan.swensen@cityofvancouver.wa

See the attached list of each party receiving this notification.

Respectfully submitted,



Brian K. Carlson, P.E.
Director of Public Works
City of Vancouver, WA.

CC: All Written Notice Recipients listed herein below
Eric Holmes – City of Vancouver.
Dan Swensen – City of Vancouver

Notice of Establishment of a Railroad Quiet Zone - Written Notice Recipients

1. Railroads operating over the grade crossings:

John Shurson
Assistant Director of Public Projects
BNSF Railway
740 E. Carnegie Dr.
San Bernardino, CA. 92408

Rick Wagner
Manager of Public Projects
BNSF Railway
2454 Occidental Ave South, Suite 1A
Seattle, WA 98134-1451

Kurt Laird
Senior Safety Coordinator
Amtrak
1875 South Holgate St.
Seattle, WA 98134

2. State agency responsible for highway and road safety, and State agency responsible for grade crossing safety:

Ahmer Nizam
Railroad Specialist
Washington DOT
P.O. Box 47329
Olympia, WA 98504-7329

Katherine Hunter
Transportation Compliance Manager
Washington Utilities Commission
1300 S. Evergreen Park Dr. SW
Olympia, WA 98504-7250

3. Federal Railroad Administration

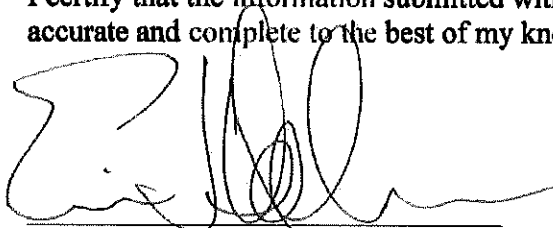
Associate Administrator for Safety
Federal Railroad Administration
Office of Safety, RRS-23
1120 Vermont Avenue, NW
Washington, DC 20590

Christine Adams
Regional Manager for Grade Crossing Safety
Federal Railroad Administration
4106 NE 47th Avenue
Vancouver, WA 98661

CHIEF EXECUTIVE OFFICER STATEMENT
(Title 49 CFR 222.43(d)(2)(xi))

Quiet Zone Name: Chelsea Drive, Vancouver WA.

I certify that the information submitted within this Notice of Quiet Zone Establishment is accurate and complete to the best of my knowledge and belief.

A handwritten signature in black ink, appearing to read 'Eric Holmes', written over a horizontal line.

Eric Holmes, City Manager
Vancouver Washington

October 27, 2014
Date

Attachment "A"

FRA Notice of Approval

(Title 49 CFR 222.43(d)(2)(ii)(b))



U.S. Department
of Transportation
Federal Railroad
Administration

1200 New Jersey Avenue, SE
Washington, DC 20590

RECEIVED

OCT 17 2014

Engineering Division

OCT 14 2014

Mr. Brian K. Carlson
Director of Public Works
City of Vancouver
P.O. Box 1995
Vancouver, WA 98668

**Re: THR-001081 (U.S. DOT National Highway-Rail Grade Crossing Inventory
Number 090074M)**

Dear Mr. Carlson:

The Federal Railroad Administration (FRA) reviewed the quiet zone application submitted on behalf of the City of Vancouver (City), Washington, pursuant to Title 49 Code of Federal Regulations (CFR) Section 222.39--*Public authority application to FRA*. The required comment period has elapsed without any comments being submitted to FRA.

The City proposed effectiveness rates for two different alternative safety measure (ASM) scenarios at the SE Chelsea Road crossing.

In the first scenario, the proposed ASM at the SE Chelsea Road crossing would consist of 25 feet of channelization north of the crossing and 29 feet of channelization added to the existing 23 feet of non-traversable curb south of the crossing. The City suggested an effectiveness rate of 0.48; however, FRA determined that an effectiveness rate of 0.49 is more appropriate given the lengths of the medians and the combination of materials used to construct the median south of the crossing.

In the second scenario, the proposed ASM at the SE Chelsea Road crossing would consist of a 25-foot, non-traversable curb north of the crossing and a 52-foot, non-traversable curb south of the crossing. The City suggested an effectiveness rate of 0.51, which is consistent with the information provided.

FRA approves the application submitted by the City. FRA finds that implementation of the ASM scenarios described above will result in a Quiet Zone Risk Index of 7,021 (for scenario one) and 6,745 (for scenario two), which are below the Risk Index with Horns (the risk that would be present if the horns were still sounding) of 8,253 and the Nationwide Significant Risk Threshold of 14,347.

CHELSEA DRIVE N.W.E. ATTACHMENT A 1/2

The City may submit its Notice of Quiet Zone Establishment in accordance with the requirements of 49 CFR Section 222.43—*What notices and other information are required to create or continue a quiet zone?* after successful implementation of one of the ASM scenarios described above 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?* FRA notes that the Notice of Quiet Zone Establishment must contain a description of the ASM scenario that has been implemented, as required by 49 CFR § 222.43(d)(2)(vi).

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.

Sincerely,



Robert C. Lauby
Associate Administrator for Railroad Safety
Chief Safety Officer

cc: Ms. Katherine Hunter, Washington Utilities and Transportation Commission
Mr. Kurt Laird, Amtrak
Mr. Ahmer Nizam, Washington Department of Transportation
Mr. John Shurson, BNSF Railway
Mr. Richard Wagner, BNSF Railway

Attachment "B"

(Title 49 CFR 222.43(d)(2)(v))

Grade Crossing Inventory Forms prior to implementation of ASMs or SSMs

**U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 10/23/2014**

Crossing No.: **090074M** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **03/03/14**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **State** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	NORTHWEST	State:	WA
Subdivision:	FALLBRIDGE	County:	CLARK
Branch or Line Name:	PORTLAND-WISHRAM	City:	In VANCOUVER
Railroad Milepost:	0014.41	Street or Road Name:	SE CHELSEA ROAD
RailRoad I.D. No.:	0047	Highway Type & No.:	
Nearest RR Timetable Stn:	FISHER	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	6-1B
Crossing Owner:	BNSF Rwy Co. [BNSF]	Latitude:	45.6108098
ENS Sign Installed:		Longitude:	-122.6014238
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category: Public Access: **Unknown**
 Specify Signs: Specify Signals:

	ST/RR A	ST/RR B	ST/RR C	ST/RR D
Railroad Use:				
State Use:				
Narrative:				

Emergency Contact: **(800)832-5452** Railroad Contact: **(817)352-1549** State Contact: **(360)664-1262**

Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	No
Total Trains:	41	Total Switching:	0
Typical Speed Range Over Crossing: From	0	Day Thru:	21
Type and Number of Tracks: Main:	2	Maximum Time Table Speed:	70
Other:	0	Specify:	
Does Another RR Operate a Separate Track at Crossing?			No
Does Another RR Operate Over Your Track at Crossing?			Yes: ATK

CHELSEA DRIVE N.O.E. ATTACHMENT B 1/2

U.S. DOT - CROSSING INVENTORY INFORMATION

Crossing **090074M**

Continued

Effective Begin-Date of Record: **03/03/14**

End-Date of Record:

Part III: Traffic Control Device Information

Signs:

Crossbucks:	2	Highway Stop Signs:	0
Advanced Warning:	Yes	Hump Crossing Sign:	
Pavement Markings:	RR Xing Symbols	Other Signs:	2 Specify: R15-2
			0

Train Activated Devices:

Gates:	2	4 Quad or Full Barrier:	No
Mast Mounted FL:	2	Total Number FL Pairs:	4
Cantilevered FL (Over):	0	Cantilevered FL (Not over):	0
Other Flashing Lights:	0	Specify Other Flashing Lights:	
Highway Traffic Signals:	0	Wigwags:	0 Bells: 0
Other Train Activated Warning Devices:		Special Warning Devices Not Train Activated:	
Channelization:	None	Type of Train Detection:	Other
Track Equipped with Train Signals?	No	Traffic Light Interconnection/Preemption:	N/A

Part IV: Physical Characteristics

Type of Development:	Residential	Smallest Crossing Angle:	60 to 90 Degrees
Number of Traffic Lanes Crossing Railroad:	2	Are Truck Pullout Lanes Present?	No
Is Highway Paved?	Yes	If Other:	
Crossing Surface:	Rubber	Is it Signalized?	
Nearby Intersecting Highway?	N/A	Is Crossing Illuminated?	No
Does Track Run Down a Street?	No		
Is Commercial Power Available?	Yes		

Part V: Highway Information

Highway System:	Non-Federal-aid	Functional Classification of Road at Crossing:	Urban Local
Is Crossing on State Highway System:	No	AADT Year:	2014
Annual Average Daily Traffic (AADT):	000106	Avg. No of School Buses per Day:	0
Estimated Percent Trucks:	5		
Posted Highway Speed:	25		

CHELSEA DRIVE N.O.E. ATTACHMENT B 2/2

Attachment "C"

(Title 49 CFR 222.43(d)(2)(vi))

Updated Grade Crossing Inventory Forms after implementation of ASMs and/or SSMs

U.S. DOT - CROSSING INVENTORY INFORMATION
AS OF 10/23/2014

10/27/14

Crossing No.: **090074M** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **02/03/14**
 Railroad: **BNSF BNSF Rwy Co. [BNSF]** End-Date of Record:
 Initiating Agency **State** Type and Position: **Public At Grade**

Part I Location and Classification of Crossing

Division:	NORTHWEST	State:	WA
Subdivision:	FALLBRIDGE	County:	CLARK
Branch or Line Name:	PORTLAND-WISHRAM	City:	In VANCOUVER
Railroad Milepost:	0014.41	Street or Road Name:	SE CHELSEA ROAD
RailRoad I.D. No.:	0047	Highway Type & No.:	
Nearest RR Timetable Stn:	FISHER	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	6-1B
Crossing Owner:	BNSF Rwy Co. [BNSF]	Latitude:	45.6108088
ENS Sign Installed:		Longitude:	-122.8014238
Passenger Service:	AMTRAK	Lat/Long Source:	Actual
Avg Passenger Train Count:	2	Quiet Zone:	No
Adjacent Crossing with Separate Number:			

Private Crossing Information:

Category:		Public Access:	Unknown
	Specify Signs:		Specify Signals:

	ST/RR A	ST/RR B	ST/RR C	ST/RR D
Railroad Use:				
State Use:				
Narrative:				

Emergency Contact: **(800)832-5452** Railroad Contact: **(817)352-1549** State Contact: **(360)664-1262**

Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	No
Total Trains: 41	Total Switching: 0	Day Thru:	21
Typical Speed Range Over Crossing: From 0 to 70 mph	Maximum Time Table Speed:		70
Type and Number of Tracks: Main: 2 Other: 0	Specify:		
Does Another RR Operate a Separate Track at Crossing?		No	
Does Another RR Operate Over Your Track at Crossing?		Yes: ATK	

CHELSEA DRIVE N.I.O.E. ATTACHMENT C 1/2

U.S. DOT - CROSSING INVENTORY INFORMATION
Continued

Crossing **090074M**

Effective Begin-Date of Record: **10/27/04**
End-Date of Record: **02/03/12**

Part III: Traffic Control Device Information

Signs:

Crossbucks:	2	Highway Stop Signs:	0
Advanced Warning:	Yes	Hump Crossing Sign:	
Pavement Markings:	RR Xing Symbols	Other Signs:	2 Specify: R15-2
			0

Train Activated Devices:

Gates:	2	4 Quad or Full Barrier:	No
Mast Mounted FL:	2	Total Number FL Pairs:	4
Cantilevered FL (Over):	0	Cantilevered FL (Not over):	0
Other Flashing Lights:	0	Specify Other Flashing Lights:	
Highway Traffic Signals:	0	Wigwags:	0 Bells: 0
Other Train Activated Warning Devices:	AUDIBLE ELECTRONIC GONG	Special Warning Devices Not Train Activated:	
Channelization:	None	Type of Train Detection:	Other
Track Equipped with Train Signals?	No	Traffic Light	N/A
		Interconnection/Praemption:	

Part IV: Physical Characteristics

Type of Development:	Residential	Smallest Crossing Angle:	60 to 90 Degrees
Number of Traffic Lanes Crossing Railroad:	2	Are Truck Pullout Lanes Present?	No
Is Highway Paved?	Yes		
Crossing Surface:	Rubber	If Other: ASM MEDIAN INSTALLED 25' NORTH OF CROSSING, 29' SOUTH OF CROSSING	
Nearby Intersecting Highway?	N/A	Is it Signalized?	
Does Track Run Down a Street?	No	Is Crossing Illuminated?	No
Is Commercial Power Available? Yes			

Part V: Highway Information

Highway System:	Non-Federal-aid	Functional Classification of Road at Crossing:	Urban Local
Is Crossing on State Highway System:	No		
Annual Average Daily Traffic (AADT):	000106	AADT Year:	2014
Estimated Percent Trucks:	5	Avg. No of School Buses per Day:	0
Posted Highway Speed:	25		

CHelsea DRIVE N.O.B. ATTACHMENT C ²/₂