



WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

City of Puyallup

Petitioner,

vs.

BNSF Railway Co.

Respondent 1

Central Puget Sound Transportation Authority

Respondent 2

DOCKET NO. TR-

PETITION TO MODIFY WARNING DEVICES AT A HIGHWAY-RAILROAD GRADE CROSSING

USDOT: 085700S

The Petitioner asks the Washington Utilities and Transportation Commission to approve modifications to warning devices at a highway-rail grade crossing.

Section 1 – Petitioner’s Information

City of Puyallup

Petitioner

[Handwritten Signature]

Signature

333 S MERIDIAN

Street Address

Puyallup, WA, 98371

City, State and Zip Code

Mailing Address, if different than the street address

Hans Hunger, City Engineer

Contact Person Name

253-435-3640 HHunger@PuyallupWA.gov

Contact Phone Number and Email

***Section 2 – Respondent’s Information***

BNSF Railway Co.
Respondent 1
1310 W. 11th St.
Street Address
Vancouver, WA. 98660
City, State and Zip Code
Mailing Address, if different than the street address
Kyle Leatham
Contact Person Name
206-625-6152 kyle.leatham@bnsf.com
Contact Phone Number and Email

Central Puget Sound Transportation Authority (Sound Transit)
Respondent 2
401 S. Jackson St.
Street Address
Seattle, WA 98104
City, State, Zip Code
Mailing Address, if different than the street address
Rick Sarkany
Contact Person Name
rick.sarkany@soundtransit.org
Contact Phone Number and Email

*Section 3 – Crossing Location*

1. Existing highway/roadway:	7th St. NW		
2. Existing railroad:	BNSF Railway Co.		
3. USDOT Crossing No.:	085700S		
4. GPS location:	47°11'37.9"N 122°18'07.6"W		
5. Railroad mile post (nearest tenth):	32.19		
6. City:	Puyallup	County:	Pierce

**Section 4 – Highway Information**

1. Name of highway:

2. Road authority:

3. Average annual daily traffic (AADT):

4. Number of lanes:

5. Roadway speed:

6. Is the crossing part of an established truck route?  Yes  No

7. If so, trucks are what percent of total daily traffic?  %

8. Is the crossing part of an established school bus route?  Yes  No

9. If so, how many school buses travel over the crossing each day?

10. Describe any changes to the information in 1 through 9, above, expected within ten years:

11. 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?

12. 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.

**Section 5 – Railroad Information**

1. Railroad company: BNSF Railway Co.

2. Type of railroad at crossing:  Common Carrier  Logging  Industrial  
 Passenger  Excursion

3. Type of tracks at crossing:  Main Line  Siding or Spur

4. Number of tracks at crossing: 2

5. Average daily train traffic, freight: 26

Authorized freight train speed: 79

Operated freight train speed: 50

6. Average daily train traffic, passenger: 15

Authorized passenger train speed: 79

Operated passenger train speed: 79

7. Describe any changes to the information in 1 through 6 above, expected within ten years:

None, that I'm aware of.

### Section 6 – Current Warning Devices

Provide a complete description of the warning devices currently located at the crossing (vehicle and pedestrian), including signs, gates, lights, train detection circuitry, and any other warning devices.

Existing Intersection of 7th St NW and BNSF RR  
 Currently this intersection has no traffic signals.

Present warning devices in the NW Quadrant crossing:  
 Stop Sign for South bound traffic  
 Pedestrian East/West cross walk  
 (see dwg, F1592-CXP301)  
 Cantilever with 4 flashers for South bound traffic  
 RR gate arm for South bound traffic  
 (see dwgs, F1592-CXP301, F1592-CPD137)  
 Existing Signs  
 W10-2(RT) (CROSSROADS RAILROAD SIGN)  
 (see dwgs, F1592-CNP301, F1592-CP302, F1592-CNS301)

Present warning devices in the NE Quadrant crossing:  
 Pedestrian North/South Cross Walk  
 Stop sign for North bound cross traffic  
 Flasher  
 (see dwg, F1592-CXP301)  
 Existing Signs  
 W10-3 (CROSSROADS RAILROAD SIGN)  
 (see dwgs, F1592-CNP301, F1592-CP302, F1592-CNS301)

Present devices in the SE Quadrant of crossing:  
 RR Gate Arm for North bound traffic  
 Cantilever with 3 flashers for North bound traffic  
 (see dwgs, F1592-CPD137, F1592-CXP301)  
 BNSF Bungalow  
 (see dwgs, F1592-CXP302)  
 Existing Signs  
 R8-8 (DO NOT STOP ON TRACKS)  
 W10-1 (RAILROAD ADVANCE SIGN)

### Section 7 – Description of Proposed Changes

Describe in detail the number and type of proposed automatic signals (vehicle and pedestrian), gates, other warning devices, and/or changes to train detection circuitry. (RCW 81.53.271) Please describe any other proposed changes at the crossing, including changes to the crossing surface, signage, pavement markings, etc. If sidewalks are being installed, please provide information on who will maintain them. Attach additional information sheets, if needed.

Proposed Changes to 7th St NW and BNSF RR Intersection

Proposed changes to the NW Quadrant of the intersection:  
 Added Signs  
 W10-1 (RAILROAD CROSSING)  
 R8-3a (NO PEDESTRIAN CROSSING)  
 R8-3B L (USE CROSSWALK)  
 ST R3 (CAUTION LOOK BOTH WAYS)  
 Sign and Post to be relocated  
 W10-2(RT) (CROSSROADS RAILROAD SIGN)  
 (see dwgs, F1592-CNP301, F1592-CP302, F1592-CNS301)  
 Pole No. 2 (Type III) Traffic Signals West bound  
 Pole No. 3 (PPB Post)  
 Pole No. 1 (Type III) Traffic Signals South bound 7th St NW  
 Pole No. 8 (PPB Post)  
 (see dwgs, F1592-TSS11, F1592-TSS102)  
 Steel Handrail with Grip Rail Along ADA Ramp  
 RR Gate Arm with Supplemental Pedestrian Side Flashers Oriented to the West  
 Track crossing Panels are being extended  
 Detectable Warning surface applied over existing sidewalk  
 New Pedestrian curbs and sidewalk  
 (see dwg, F1592-CPD137, F1592-CPD031, F1592-CPD032)

Proposed changes to the NE Quadrant of the intersection:  
 Added Signs  
 W10-2 L (CROSSROADS RAILROAD SIGN)  
 R8-3a (NO PED CROSSING)  
 R10-11B (NO TURN ON RED)  
 R7-102 R (NO PARKING ANYTIME)  
 R8-3B R (USE CROSSWALK)  
 ST R3 (CAUTION LOOK BOTH WAYS)  
 Removed Signs  
 W10-3 (CROSSROADS RAILROAD SIGN)  
 (see dwgs, F1592-CNP301, F1592-CP302, F1592-CNS301)  
 New Traffic and Pedestrian signals  
 Pole No. 4 (Type III) Traffic Signals for West Bound W  
 Pole No. 9 (PPB Post)

***Section 8 – Illustration of Crossing***

Attach a detailed diagram, design drawing, map, or other illustration showing the current and proposed layout of the road, crossing surface, and railway in the vicinity of the crossing, including shoulders, sidewalks, lanes of travel, bike lanes, warning devices, pavement markings and any other applicable crossing conditions.

***Section 9 – Traffic Signal Preemption***

Are the railroad signals currently interconnected with a traffic signal(s)?

Yes       No

Will this project interconnect railroad signals with a traffic signal(s) or modify the existing traffic signal preemption timing?

Yes       No

If yes, attach documentation supporting the proposed traffic signal preemption timing calculations (e.g., TXDOT Guide for Determining Time Requirements for Traffic Signal Preemption at Highway Rail Grade Crossings or similar preemption worksheet/plan), which must be certified by a professional engineer.

***Section 10 – Description of Public Safety Need***

Describe and support the public safety need for the proposed changes. (RCW 81.53.261)

The need for a new interconnected signal at 7th St NW & W. Stewart was because of the new Sound Transit Parking garage constructed on the south side of the BNSF tracks between 5th & 7th St. NW.

***Section 11 – Approximate Cost of Installation and Related Work***

Provide the approximate cost of installation and related work for the proposed changes to signals and/or warning devices. (RCW 81.53.271)

\$1,100,000

**Section 12 – Approximate Cost of Annual Maintenance**

Provide the approximate cost of annual maintenance for the signals and/or warning devices.  
(RCW 81.53.271)

\$10,000 this includes expected costs of signal control components.

**Section 13 – Cost Apportionment**

If the commission directs the installation of or changes to the warning devices requested in this petition, it will apportion installation and maintenance costs in accordance with the applicable statutes. (RCW 81.53.261-295)

Interested parties may instead enter into an agreement providing for the installation of signals or other warning devices or for the apportionment of the cost of installation and maintenance. (RCW 81.53.261) **If the parties to this petition have reached an agreement related to apportionment of costs, please sign here to confirm:**

Petitioner's Signature: DocuSigned by: *Hans Hunger*  
1D7EB0CED63645D... Respondent 1 Signature: Signed by: *Kyle Leatham*  
95363D8FEFE418...  
Respondent 2 Signature: Signed by: *Rick Sarkany*  
03DB39F42B67427...



**Section 14 – Waiver of Hearing by Respondent**

**Waiver of Hearing**

The undersigned represents the Respondent in the petition to modify highway-rail grade crossing warning devices 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 have reviewed and have no objection to the proposed traffic signal preemption timing calculations as submitted with this petition. We agree the warning devices should be modified and consent to a decision by the commission without a hearing.

Dated at , Washington, on the  day of  .

Printed Name of Respondent 1

Signed by:  
  
95363D8FEFEA418...

Signature of Respondent's Representative

Title

Phone Number

Email

Mailing Address

Central Puget Sound Transportation Authority (Sound Trans

Printed Name of Respondent 2

Signed by:  
Rick Sarkany  
03DB39F42B67427...

Signature of Respondent's Representative

Construction Manager

Title

(206) 398-5111

Phone Number

rick.sarkany@soundtransit.org

Email

401 S. Jackson St.  
Seattle, WA 98104

Mailing Address

**Checklist prior to submitting petition:**

- ✓ Ensure all petition fields are completed.
- ✓ Ensure parties sign Section 13 regarding any Cost Apportionment agreement, if applicable.
- ✓ Obtain signature on Waiver of Hearing (Section 14). *If respondent fails to sign Waiver, advise UTC staff upon submission.*
- ✓ Attach copies of:
  - Illustration of crossing (described in Section 8).
  - Proposed traffic signal preemption timing calculations, if applicable (described in Section 9), and identification or documentation that the calculations are certified by a professional engineer.
  - Any other relevant documents to support the petition, including but not limited to support of public need, project information, etc.

**Submitting the petition:** To officially file the petition, send the petition form and supporting documents via E filing.

**Questions:** For questions, please contact:

<p><b>Mike Turcott</b> Transportation Planning Specialist mike.turcott@utc.wa.gov (360) 764-0572</p>	<p><b>Tyler Whitcomb</b> Transportation Planning Specialist tyler.whitcomb@utc.wa.gov (564) 669-0943</p>
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