WASHINGTON UTC UTILITIES AND TRANSPORTATION COMMISSION

TR-151859-P

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

BNSF Railway Co. Petitioner, vs. City of Auburn, WA Respondent	)	DOCKET NO. TR- PETITION TO CONSTRUCT OR RECONSTRUCT A HIGHWAY-RAIL GRADE CROSSING USDOT CROSSING NO.: 085650R

Prior to submitting a Petition to **Construct** a highway-rail grade crossing and install an inter-tie between a Highway Signal and a Railroad Crossing Signal System to the Washington Utilities and Transportation Commission (UTC), State Environmental Protection Act (SEPA) requirements must be met. Washington Administrative Code (WAC) 197-11-865 (2) requires:

> **All actions of the utilities and transportation commission under statutes administered as of December 12, 1975, are exempted, except the following:**
>
> **(2) Authorization of the openings or closing of any highway/railroad grade crossing, or the direction of physical connection of the line of one railroad with that of another;**

Please attach sufficient documentation to demonstrate that the SEPA requirement has been fulfilled. For additional information on SEPA requirements contact the Department of Ecology.

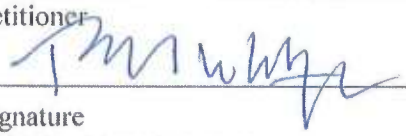
The Petitioner asks the Washington Utilities and Transportation Commission to approve construction or reconstruction of a highway-rail grade crossing.

☐ **Construction** X **Reconstruction**

Section 1 – Petitioner's Information

BNSF Rwy. Co.

Petitioner



Signature

2454 Occidental Ave. S.

Street Address

Seattle, WA. 98134

City, State and Zip Code

Mailing Address, if different than the street address

Richard Wagner

Contact Person Name

206-625-6152,Richard.Wagner@bnsf.com

Contact Phone Number and E-mail Address

Section 2 – Respondent's Information

City of Auburn, WA

Respondent

25 West Main Street

Street Address

Auburn, WA 98001-4998

City, State and Zip Code

Mailing Address, if different than the street address

Pablo Para

Contact Person Name

253-876-1958,ppara@auburnwa.gov

Contact Phone Number and E-mail Address

Section 3 – Proposed or Existing Crossing Location

1. Existing highway/roadway 29th St NW
   BNSF Railway Co.
2. Existing railroad _____

3. Location of proposed crossing:
   Located in the____ 1/4 of the ____1/4 of Sec. __13__, Twp. 21N, Range __4E____W.M.

4. GPS location, if known 47deg19'59"N, 122deg13'57"W

5. Railroad mile post (nearest tenth) _____19.66X_____

6. City _____Auburn_____ County _____King_____

Section 4 – Proposed or Existing Crossing Information

1. Railroad company _____BNSF Railway Co_____

2. Type of railroad at crossing x Common Carrier □ Logging □ Industrial

   □ Passenger □ Excursion

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

4. Number of tracks at crossing ____2_____

5. Average daily train traffic, freight ____24____

   Authorized freight train speed ____60_____ Operated freight train speed ____60_____

6. Average daily train traffic, passenger ____23____

   Authorized passenger train speed ____79____ Operated passenger train speed ____79____

7. Will the proposed crossing eliminate the need for one or more existing crossings?
   Yes ____ No __X__

8. If so, state the distance and direction from the proposed crossing.

   _____

   _____

9. Does the petitioner propose to close any existing crossings?
Yes ____ No X

Section 5 – Temporary Crossing

1. Is the crossing proposed to be temporary? Yes ____ No X

2. If so, describe the purpose of the crossing and the estimated time it will be needed

_____

_____

_____

3. Will the petitioner remove the crossing at completion of the activity requiring the temporary crossing? Yes ____ No ____

Approximate date of removal _____

Section 6 – Current Highway Traffic Information

1. Name of roadway/highway 29th St NW

2. Roadway classification City Street

3. Road authority City of Auburn, WA

4. Average annual daily traffic (AADT) 20

5. Number of lanes 2

6. Roadway speed 25

7. Is the crossing part of an established truck route? Yes ____ No X

8. If so, trucks are what percent of total daily traffic? _____

9. Is the crossing part of an established school bus route? Yes ____ No X

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

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

_____

Section 7 – Alternatives to the Proposal

1. Does a safer location for a crossing exist within a reasonable distance of the proposed location?
   Yes ____ No ____

2. If a safer location exists, explain why the crossing should not be located at that site.

_____

_____

_____

_____

3. Are there any hillsides, embankments, buildings, trees, railroad loading platforms or other barriers in the vicinity which may obstruct a motorist's view of the crossing?
   Yes ____ No ____

4. If a barrier exists, describe:
   - ♦ Whether petitioner can relocate the crossing to avoid the obstruction and if not, why not.
   - ♦ How the barrier can be removed.
   - ♦ How the petitioner or another party can mitigate the hazard caused by the barrier.

_____

_____

_____

_____

5. Is it feasible to construct an over-crossing or under-crossing at the proposed location as an alternative to an at-grade crossing?
   Yes ____ No ____

6. If an over-crossing or under-crossing is not feasible, explain why.

_____

_____

_____

_____

7. Does the railway line, at any point in the vicinity of the proposed crossing, pass over a fill area or trestle or through a cut where it is feasible to construct an over-crossing or an under-crossing, even though it may be necessary to relocate a portion of the roadway to reach that point?

Yes ____ No ____

8. If such a location exists, state:
   - ♦ The distance and direction from the proposed crossing.
   - ♦ The approximate cost of construction.
   - ♦ Any reasons that exist to prevent locating the crossing at this site.

_____

_____

_____

_____

_____

_____

_____

_____

9. Is there an existing public or private crossing in the vicinity of the proposed crossing?

Yes ____ No ____

10. If a crossing exists, state:
   - ♦ The distance and direction from the proposed crossing.
   - ♦ Whether it is feasible to divert traffic from the proposed to the existing crossing.

_____

_____

_____

_____

_____

Section 8 – Sight Distance

1. Complete the following table, describing the sight distance for motorists when approaching the tracks from either direction.

a. Approaching the crossing from West, the current approach provides an unobstructed view as follows: (North, South, East, West)

Direction of sight (left or right)	Number of feet from proposed crossing	Provides an unobstructed view for how many feet
Right	300	65
Right	200	65
Right	100	75
Right	50	145
Right	25	Unobstructed
Left	300	0
Left	200	0
Left	100	23
Left	50	168
Left	25	Unobstructed

b. Approaching the crossing from East, the current approach provides an unobstructed view as follows: (Opposite direction-North, South, East, West)

Direction of sight (left or right)	Number of feet from proposed crossing	Provides an unobstructed view for how many feet
Right	300	3475
Right	200	3573
Right	100	3745
Right	50	730
Right	25	Unobstructed
Left	300	2285
Left	200	2520
Left	100	2610
Left	50	2615
Left	25	Unobstructed

2. Will the new crossing provide a level approach measuring 25 feet from the center of the railway on both approaches to the crossing?

Yes ____ No X

3. If not, state in feet the length of level grade from the center of the railway on both approaches to the crossing. 35ft East and 5ft West

4. Will the new crossing provide an approach grade of not more than five percent prior to the level grade?

Yes ____ No X

5. If not, state the percentage of grade prior to the level grade and explain why the grade exceeds five percent.

7.47%. Percent of grade is being dictated by the short distance from the railroad tracks to existing roadway restrictions, adjacent property owner's parking and driveways.

Section 9 – Illustration of Proposed Crossing Configuration

Attach a detailed diagram, drawing, map or other illustration showing the following:

- ♦ The vicinity of the proposed crossing.
- ♦ Layout of the railway and highway 500 feet adjacent to the crossing in all directions.
- ♦ Percent of grade.
- ♦ Obstructions of view as described in Section 7 or identified in Section 8.
- ♦ Traffic control layout showing the location of the existing and proposed signage.

Section 10 – Sidewalks

1. Provide the following information:
   a. Provide a description of the type of sidewalks proposed.
   b. Describe who will maintain the sidewalks.
   c. Attach a proposed diagram or design of the crossing including the sidewalks.

Will not be placing sidewalks. No sidewalks exist.

Section 11 – Proposed Warning Signals or Devices

1. Explain in detail the number and type of automatic signals or other warning devices planned at the proposed crossing, including a cost estimate for each. If requesting pre-emption include the type of train detection circuitry, sequencing and advanced preemption time, justification for the changes and its effects on current warning devices and warning times for drivers.

Existing crossing warning devices on the west side of the tracks will be relocated to accommodate new 3rd main line. BNSF will pay for relocation.

2. Provide an estimate for maintaining the signals for 12 months. _____

3. Is the petitioner prepared to pay to the respondent railroad company its share of installing the warning devices as provided by law?

Yes ____ No ____

Section 12 – Additional Information

Provide any additional information supporting the proposal, including information such as the public benefits that would be derived from constructing a new crossing as proposed or modifying an existing crossing. Provide project specific information.

BNSF is constructing the third main line in this area to expedite train movement through the City of Auburn. The addition of the third main line will allow commuter trains to access the passenger platforms, just south of W. Main St, while other trains will be to continue to move down the third track.

Section 13 – Waiver of Hearing by Respondent

Waiver of Hearing

The undersigned represents the Respondent in the petition to construct or reconstruct a highway-railroad grade crossing and inter-tie the highway signal with the railroad crossing signal system.

USDOT Crossing No.: 085650R

We have investigated the conditions at the proposed or existing crossing site. We are satisfied the conditions are the same as described by the Petitioner in this docket. We agree that a crossing be installed or reconstructed and the highway signals inter-tied with the railroad crossing signal system and consent to a decision by the commission without a hearing.

Dated at _____ , Washington, on the _____ day of

_____, 20 ____.

Nancy Backus

Printed name of Respondent

Signature of Respondent's Representative

Mayor

Title

City of Auburn

Name of Company

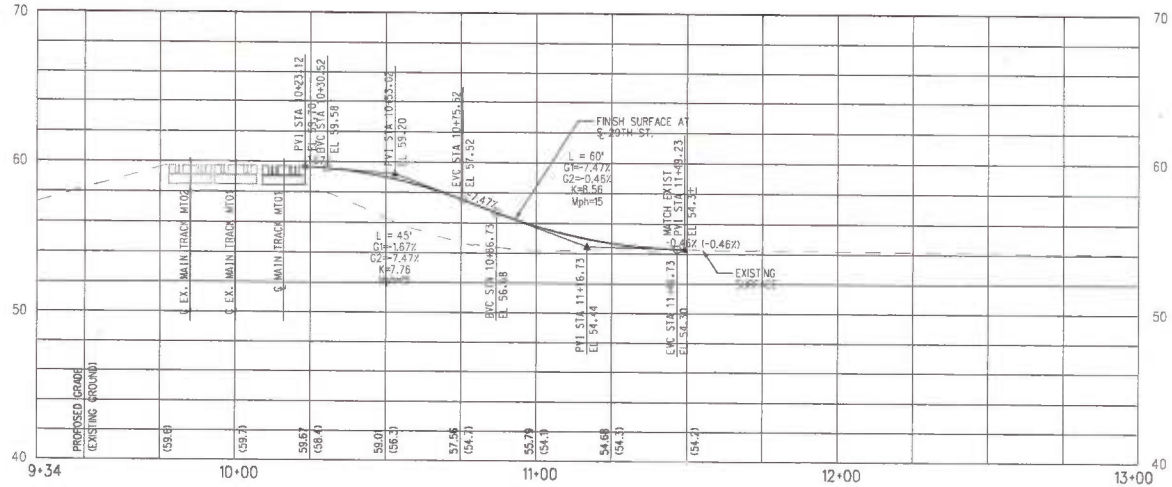
253-931-3041, nbackus@auburnwa.gov

Phone number and e-mail address

25 W. Main St

Auburn, WA 98001

Mailing address



PROFILE

REMOVAL NOTES:

1. SAWCUT LINE.
2. REMOVE ASPHALT CONCRETE PAVEMENT.

CONSTRUCTION NOTES:

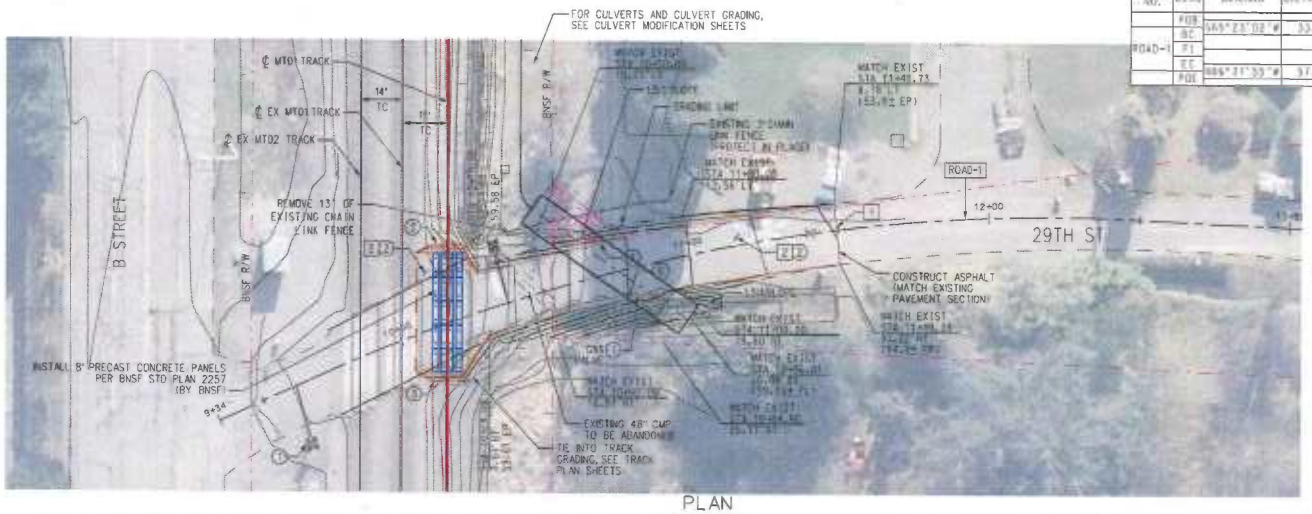
1. PROTECT IN PLACE.
2. CONSTRUCT 2" HMA CLASS 1/2", 5" HMA CLASS 1" OVER 12" GRAVEL BASE PAVEMENT SECTION.
3. CONSTRUCT AC APRON AND JOIN EXISTING GROUND AT A MAXIMUM 8:1 SLOPE.

CURVE DATA

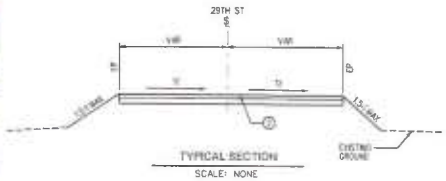
CURVE	R	Δ	L	T
(A)	756.29'	09°09'29"	120.88'	60.57'
(B)	736.29'	09°14'33"	118.17'	59.52'

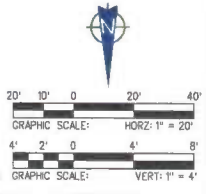
29TH ST GEOMETRY TABLE

CURVE NO.	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS	Δ	L	T
	POB			9+53.86	124627.31	1293517.86				
	BC	S45°23'02"W	33.38	9+67.22	124613.41	1293487.54				
ROAD-1	PI				124553.52	1293536.83	511.00	21°49'04"	281.62	145.78
	EC	N66°31'33"W	37.33	12+48.68	124561.97	1293213.30				
	POE			11+86.01	124565.34	1293156.01				



PLAN





100% SUBMITTAL

NOT FOR BID OR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	SUB	APP

Information contained on plans, drawings, specifications, and/or information furnished herewith shall remain the property of the BNSF Railway and shall be held confidential and shall not be used for any purpose not provided for in agreements with the Burlington Northern Santa Fe Railway.

DESIGNED BY	JT
DRAWN BY	JT
CHECKED BY	NO
APPROVED BY	MAC
DATE	JANUARY 16, 2015

BNSF RAILWAY

PATTERSON & JOHNSTON, INC. 725 TOWN & COUNTRY RD SUITE 300 ORANGE, CA 92868

BNSF RAILWAY CO.
ST2 TRACK IMPROVEMENT PROJECT - EASEMENT 4
SEATTLE SUBDIVISION - MP 18.26X TO MP 23.85X
GRADE CROSSING PLAN & PROFILE EXHIBIT
29TH STREET NW.MP 19.66X
DOT#085650R

CONTRACT NO.	
DRAWING NO.	CP-403
REVISION	SHEET NO. 63
SCALE	AS SHOWN

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | WORK ELEMENT

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TO TACOMA, WA
RR SOUTH

TO SEATTLE, WA
RR NORTH

SIGNAGE REFERENCES:

CONSTRUCTION NOTES BY CITY:

1. INSTALL 4" SOLID WHITE EDGE LINE
2. REPAINT RAILROAD CROSSING SYMBOL
4. REPAINT 24" SOLID WHITE STOP LINE
9. INSTALL SIGN AND POST

CONSTRUCTION NOTES BY BNSF:

3. REMOVE EXISTING R15-2P SIGN AND INSTALL NEW R15-2P SIGN
5. INSTALL CONCRETE PANELS
10. INSTALL NEW FLASHING LIGHT SIGNAL ASSEMBLY WITH AUTOMATIC GATE ARM

REMOVAL NOTES:

SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS

DETAIL A
FLASHING LIGHT SIGNAL ASSEMBLY WITH AUTOMATIC GATE ARM
(NOT TO SCALE)

29TH STREET FACING EASTBOUND

GRAPHIC SCALE: 40' 20' 0 40' 80' — 1" = 40'

100% SUBMITTAL

NOT FOR BID OR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	SUB	APP

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DESIGNED BY	JT
DRAWN BY	JT
CHECKED BY	AY
APPROVED BY	MAC
DATE	JANUARY 16, 2015

BNSF RAILWAY

PATTERSON & ASSOCIATES, INC. — 725 TOWN & COUNTRY RD SUITE 300 ORANGE, CA 92868

BNSF RAILWAY CO.
ST2 TRACK IMPROVEMENT PROJECT - EASEMENT 4
SEATTLE SUBDIVISION - MP 18.26X TO MP 23.85X
SIGNING & STRIPING
29TH STREET NW, MP 19.66X
DOT#085650R

CONTRACT NO.	
DRAWING NO.	CS-403
REVISION	SHEET NO. 67
SCALE	AS SHOWN

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | PHYSICAL ENTITY | WORK ELEMENT

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