WASHINGTON UTC UTILITIES AND TRANSPORTATION COMMISSION

TR-151861-P

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

BNSF Rwy. Co. Petitioner, vs. City of Auburn, WA Respondent	)	DOCKET NO. TR- PETITION TO CONSTRUCT OR RECONSTRUCT A HIGHWAY-RAIL GRADE CROSSING USDOT CROSSING NO.: 085655A

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**

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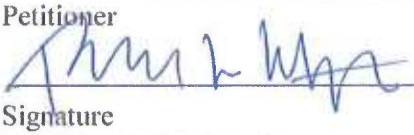
STATE OF WASH.
UTIL. AND TRANSP.
COMMISSION

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 W. Main St.

Street Address

Auburn, WA 98001

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 W Main St

2. Existing railroad BNSF Railway

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 47deg 18'27"N, 122deg 13'57"W

5. Railroad mile post (nearest tenth) 21.41X

6. City Auburn County King

Section 4 – Proposed or Existing Crossing Information

1. Railroad company BNSF Railway

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 W. Main St

2. Roadway classification City Street

3. Road authority City of Auburn

4. Average annual daily traffic (AADT) 5100

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? 3

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

10. If so, how many school buses travel over the crossing each day? 16

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	33
Right	200	36
Right	100	45
Right	50	110
Right	25	Unobstructed
Left	300	75
Left	200	85
Left	100	120
Left	50	1330
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	0
Right	200	33
Right	100	515
Right	50	1055
Right	25	155
Left	300	80
Left	200	90
Left	100	105
Left	50	145
Left	25	670

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. 10ft to the west, Unchanged to the East

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

Yes X No ____

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

_____

_____

_____

_____

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.

_____

Existing sidewalks will be replaced in kind.

_____

_____

_____

_____

_____

_____

_____

_____

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 protection will be relocated to the West to accommodate the new track. Will add a pedestrian crossing gate in the southwest quadrant of the intersection. Relocation of existing crossing protection and addition of pedestrian crossing will be done at BNSF expense.

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 able 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.: 085655A

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

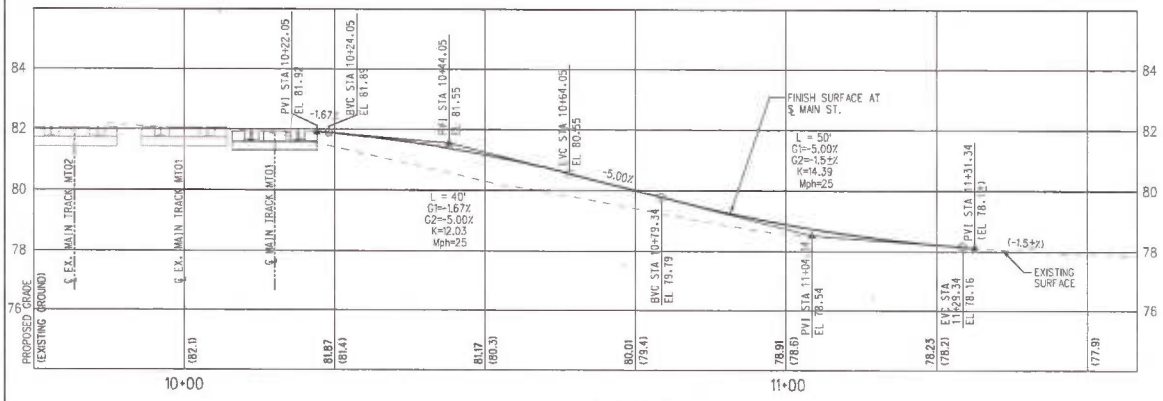
253-931-3041,nbackus@auburnwa.gov

Phone number and e-mail address

25 W. Main St.

Auburn, WA 98001

Mailing address



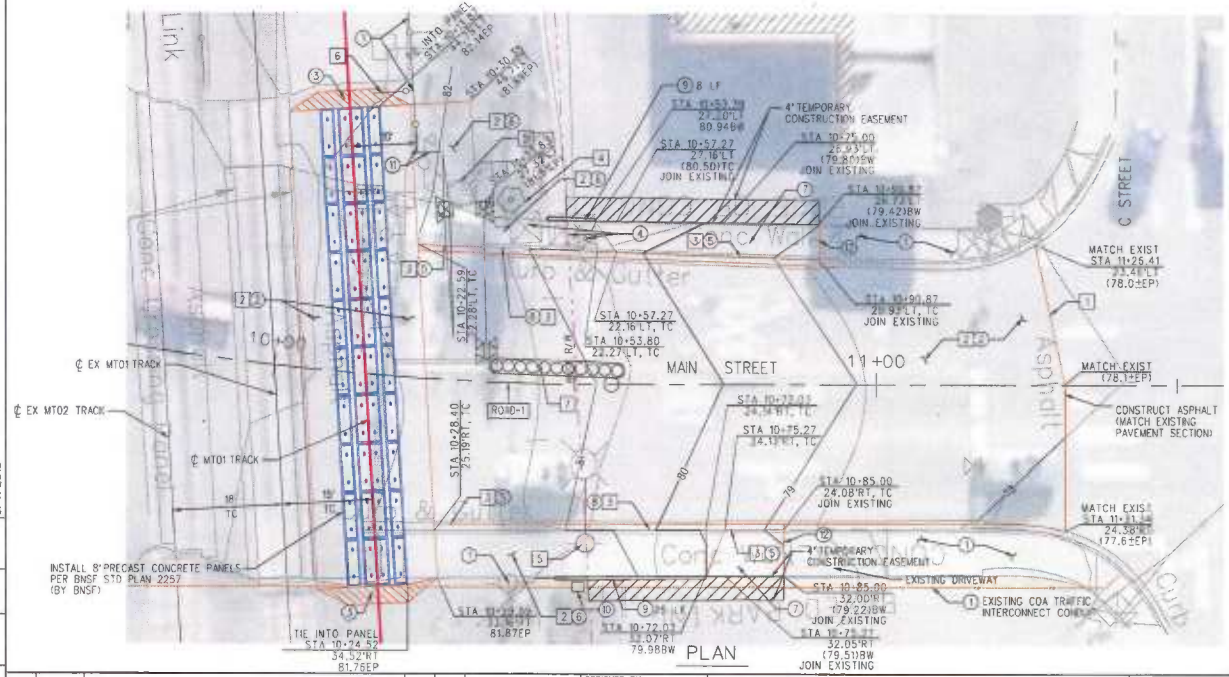
PROFILE

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. CONSTRUCT 2" HMA CLASS 1/2", 8" HMA CLASS 1" OVER 12" GRAVEL BASE PAVEMENT SECTION.
3. CONSTRUCT AC APRON AND JOIN EXISTING GROUND AT A MAXIMUM 8:1 SLOPE.
4. ADJUST UTILITY BOXES TO GRADE.
5. CONSTRUCT 0" TO 6" CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-02.
6. CONSTRUCT SIDEWALK PER CITY OF AUBURN COMMERCIAL/INDUSTRIAL SIDEWALK STANDARD (TRAFFIC-24).
7. REMOVE AND CONSTRUCT DRIVEWAY PER CITY OF AUBURN COMMERCIAL/ INDUSTRIAL DRIVEWAY STANDARD (TRAFFIC-09), DIMENSIONS AND GRADES PER PLAN.
8. CONSTRUCT 6" CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER WSDOT STANDARD PLAN F-10.12-02.
9. CONSTRUCT CONCRETE RETAINING CURB PER DETAIL HEREON.
10. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-02, AND ESTABLISH INTERCONNECT BETWEEN COA TRAFFIC SIGNAL AND BNSF RAILWAY SIGNAL.
11. INSTALL FENCE IN KIND.
12. LONGITUDIANL JOINTS TO EXISTING DRIVEWAY PER CITY OF AUBURN STANDARD DETAIL TRAFFIC-60.

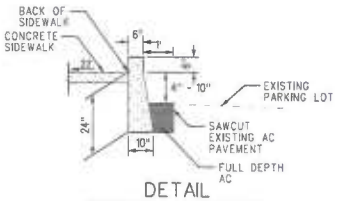
REMOVAL NOTES:

1. SAWCUT LINE.
2. REMOVE ASPHALT CONCRETE PAVEMENT.
3. REMOVE CURB AND GUTTER.
4. REMOVE TREE.
5. RELOCATE STREET LIGHT.
6. REMOVE EXISTING FENCE IN CONFLICT.
7. SALVAGE MEDIAN ISLAND KWIK CURB AND RETURN TO CITY OF AUBURN TO REUSE.



PLAN

MAIN ST GEOMETRY TABLE										
CURVE NO.	DESC	BEARING	DISTANCE	STATION	NORTHING	EASTING	RADIUS	Δ	L	T
	POB			9+03.81	115297.314	1293437.058				
	PC	N74° 30'17"W	51.86	9+55.68	115311.169	1293387.080				
ROAD-1	PI				115324.671	1293338.379	500.00	11° 32'36"	100.73	50.54
	PT	N86° 02'53"W	102.24	10+56.41	115328.154	1293287.961				
	POE			11+58.65	115335.200	1293185.967				



DETAIL
RETAINING CURB

NOTE: SEE SHEET CP-401A FOR TOP OF CURB PROFILES ALONG MAIN ST.
EXISTING COA INTERCONNECT IS SHOWN AT ITS APPROXIMATE LOCATION.
CONTRACTOR SHALL FIELD VERIFY ITS ACTUAL LOCATION.

GRAPHIC SCALE: 10' 5' 0 10' 20' HORZ: 1" = 10'

GRAPHIC SCALE: 2' 1' 0 2' 4' VERT: 1" = 2'

100% SUBMITTAL

NOT FOR BID OR CONSTRUCTION

Information confidential: all 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

REV	DATE	DESCRIPTION	BY

DESIGNED BY JT
DRAWN BY JT
CHECKED BY MD
APPROVED BY MAC
DATE JANUARY 18, 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
GRADE CROSSING PLAN & PROFILE EXHIBIT
WEST MAIN STREET.MP 21.41X
DOT#085655A

CONTRACT NO.
DRAWING NO. CP-401
REVISION
SHEET NO. 61
SCALE AS SHOWN

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

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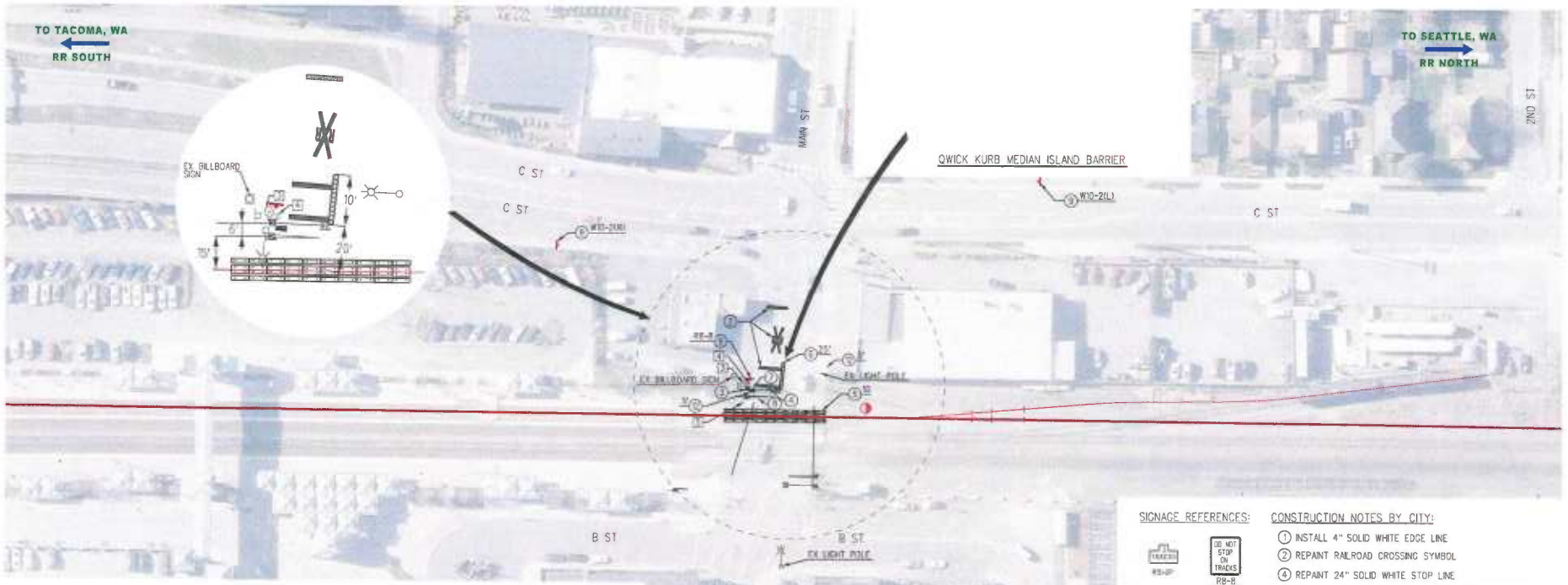

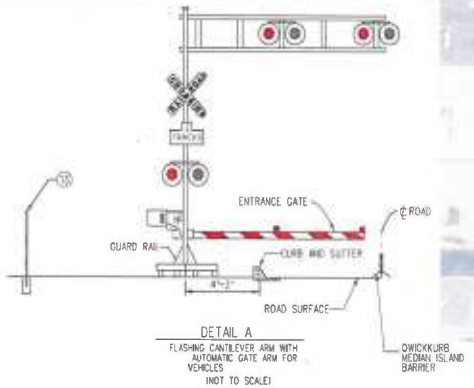

DETAIL A
FLASHING CANTILEVER ARM WITH AUTOMATIC GATE ARM FOR VEHICLES
(NOT TO SCALE)

MAIN STREET FACING WESTBOUND

SIGNAGE REFERENCES:

R15-2P

DO NOT STOP ON TRACKS
R8-8
24"X30"

W10-2R
36"X36"

W10-2L
36"X36"

CONSTRUCTION NOTES BY CITY:

(1) INSTALL 4" SOLID WHITE EDGE LINE
(2) REPAINT RAILROAD CROSSING SYMBOL
(4) REPAINT 24" SOLID WHITE STOP LINE
(6) INSTALL/MODIFY QWICK KURB MEDIAN ISLAND BARRIER PER PLAN
(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
(7) INSTALL NEW FLASHING CANTILEVER ARM
(8) INSTALL NEW FLASHING AUTOMATIC GATE ARM FOR VEHICLES
(12) INSTALL DETECTABLE WARNING DEVICE
(13) INSTALL FENCE IN KIND

REMOVAL NOTES:

[1] SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
[2] REMOVE EXISTING ROAD SIGN/OR POST
[3] REMOVE EXISTING TREE
[4] RELOCATE CONCRETE MONUMENT
[5] REMOVE & RELOCATE EXISTING STREET LIGHT

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

100% SUBMITTAL

NOT FOR BID OR CONSTRUCTION

REV	DATE	DESCRIPTION	BY

Information confidential: all 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	MB
APPROVED BY	MAC
DATE	JANUARY 15, 2015

BNSF RAILWAY

PATTERSON & ASSOCIATES, INC. — 72% 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
MAIN STREET MP 21.41X
DOT#085655A

CONTRACT NO.
DRAWING NO. CS-401
REVISION
SHEET NO. 65
SCALE AS SHOWN

PROJECT NUMBER | COST ELEMENT | LINE ITEM | CONTRACT DESIGNATION | MATERIAL DETAIL | WORK ELEMENT

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