



WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Union Pacific Railroad	)	DOCKET NO. TR- <del>XXXX</del> TR-150640
_____	)	
Petitioner,	)	PETITION TO RECONSTRUCT A
	)	HIGHWAY-RAIL GRADE
	)	CROSSING
vs.	)	
City of Spokane Valley	)	USDOT NO.: 662510F
_____	)	UTC NO.: <del>XXXX</del>
Respondents	)	LOCATION: Spokane Valley, WA
	)	
.....	)	
_____	)	

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

*Section 1 – Petitioner’s Information*

Union Pacific Railroad
Petitioner
9451 Atkinson Street
Street Address
Roseville, CA. 95747
City, State and Zip Code
_____
Mailing Address, if different than the street address
Terrel A. Anderson
Contact Person Name
(916) 390-3693 taanders@up.com
Contact Phone Number and E-mail Address

*Section 2 – Respondent's Information*

City of Spokane Valley Respondent
11707 E. Sprague Ave., Suite 106 Street Address
Spokane Valley, WA. 99206 City, State and Zip Code
Mailing Address, if different than the street address
Eric Guth Public Works Contact Person Name
(509) 720-5000 cityhall@spokanevalley.org Contact Phone Number and E-mail Address

Respondent
Street Address
City, State and Zip Code
Mailing Address, if different than the street address
Contact Person Name
Contact Phone Number and E-mail Address

**Section 3 – Crossing Location**

1. Existing highway/roadway N. Park Road

2. Existing railroad Union Pacific Railroad

3. Location of the crossing planned for reconstruction:  
Located in the SW of the NE of Sec. Twp. Range 41E

4. GPS location, if known 47 40'34.79"N 117 18'14 46" W

5. Railroad mile post (nearest tenth) 5.63

6. City Spokane Valley County Spokane

**Section 4 – Crossing Information**

1. Railroad company Union Pacific Railroad

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 1

5. Average daily train traffic, freight 7  
Authorized freight train speed 49 Operated freight train speed 49

6. Average daily train traffic, passenger 0  
Authorized passenger train speed NA Operated passenger train speed NA

7. Will the reconstructed crossing eliminate the need for one or more existing crossings?  
Yes      No X

8. If so, state the distance and direction from the reconstructed crossing.  
N/A

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

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 N. Park Rd

2. Roadway classification Collector Arterial

3. Road authority City of Spokane Valley

4. Average annual daily traffic (AADT) 2,100 (2014)

5. Number of lanes 2

6. Roadway speed 25

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

8. If so, trucks are what percent of total daily traffic? 5.11% (2014)

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

10. If so, how many school buses travel over the crossing each day? 120

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

No changes proposed to current traffic conditions. Union Pacific as part of the mandated CTC project would like to remove the out dated non standard cantilevers. We would like to place flashing lights with gates at this location. Very little growth in daily traffic volume is anticipated in the next 10 years.

*Section 7 – Alternatives to the Proposal*

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

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

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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.

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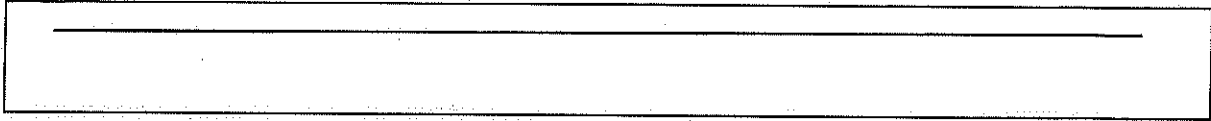
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5. Is it feasible to construct an over-crossing or under-crossing as an alternative to an at-grade crossing?

Yes       No

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

A grade separation at this location would be very cost prohibitive. The project seeks to  
enhance function and safety of the existing arrangement.



7. Does the railway line, at any point in the vicinity of the 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 crossing planned for reconstruction.
- ◆ The approximate cost of construction.
- ◆ Any reasons that exist to prevent locating the crossing at this site.

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9. Is there an existing public or private crossing in the vicinity of the crossing planned for reconstruction?

Yes  No

10. If a crossing exists, state:

- ◆ The distance and direction from the crossing planned for reconstruction.
- ◆ Whether it is feasible to divert traffic from the crossing planned for reconstruction to the crossing located in the vicinity.

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**Section 8 – Sight Distance**

1. What is the sight distance in each quadrant at the crossing planned for reconstruction?  
NW quadrant: 4000  
NE quadrant: 2400  
SW quadrant: 4000  
SE quadrant: 2400

2. Will the reconstructed crossing provide a level approach measuring 25 feet from the center of the railway on both approaches to the crossing?  
Yes  No

3. If not, state in feet the length of level grade from the center of the railway on both approaches to the crossing. \_\_\_\_\_

4. Will the new crossing provide an approach grade of not more than five percent prior to the level grade?  
Yes  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 crossing planned for reconstruction.
- ◆ 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 existing and proposed signage.



**Section 10 – Proposed Warning Signals or Devices**

1. Explain in detail the number and type of automatic signals or other warning devices planned at the reconstructed crossing, including a cost estimate for each.

As part of the Federally Mandated CTC project Union Pacific would like to remove the  
existing non standard cantilevers. Would like to replace with shoulder mounted LED flashing  
lights with gates. There will be no changes to the existing train detection as it is already  
constant warning

2. 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 11 – Additional Information**

Provide any additional information supporting the proposal, including information such as the public benefits that would be derived from reconstructing the crossing as proposed.

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**Section 12 – Waiver of Hearing by Respondent**

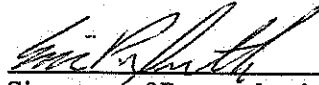
**Waiver of Hearing**

The undersigned represents the Respondent in the petition to reconstruct a highway-railroad grade crossing.

We have investigated the conditions at the crossing site. We are satisfied the conditions are the same as described by the Petitioner in this docket. We agree that the crossing be reconstructed and consent to a decision by the commission without a hearing.

Dated at 12:10 pm, Washington, on the 13<sup>th</sup> day of  
APRIL, 2015.

ERIC P. GUTH  
Printed name of Respondent

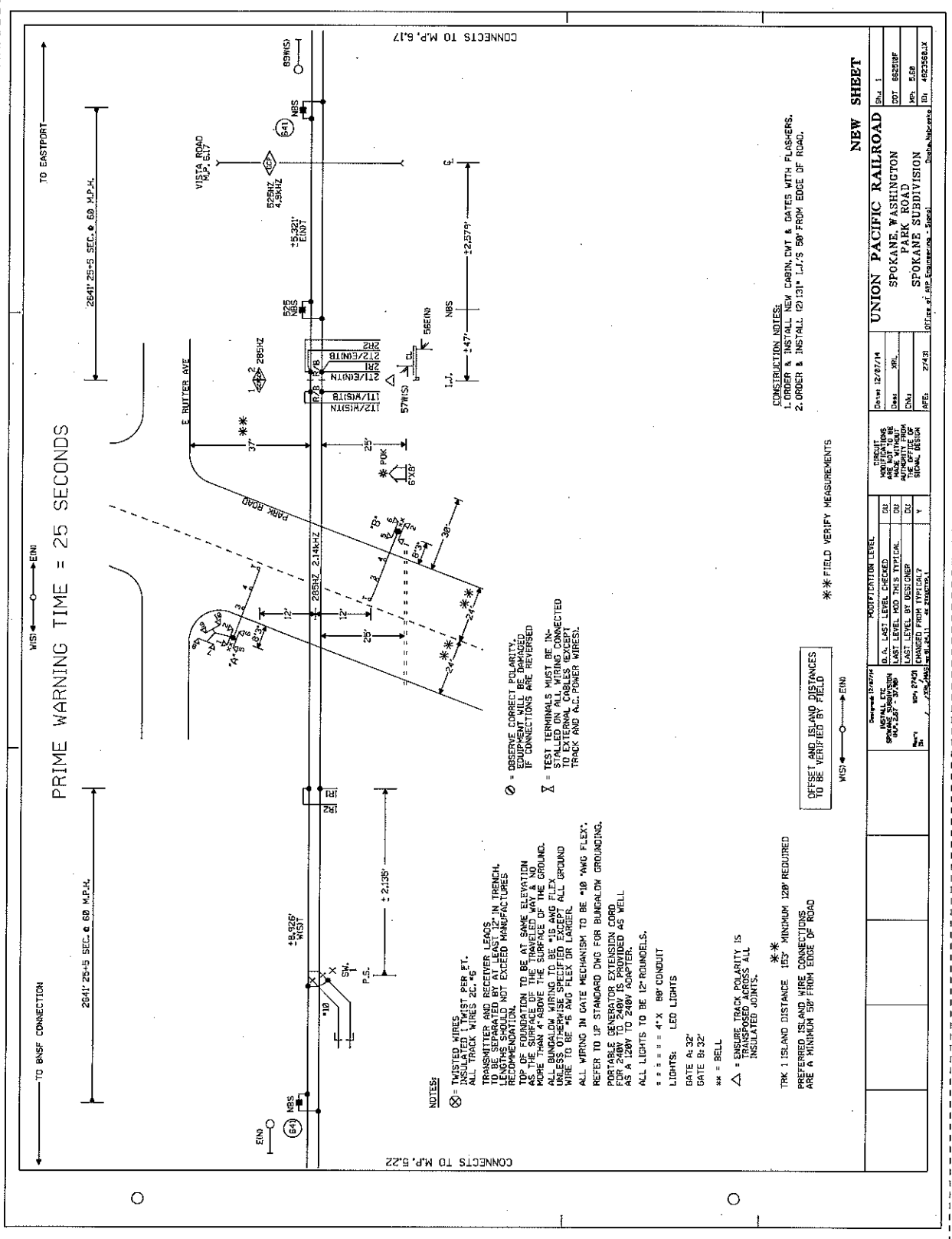
  
Signature of Respondent's Representative

PUBLIC WORKS DIRECTOR  
Title

509.720.5000 eguth@spokanevalley.org  
Phone number and e-mail address

11707 E. SPRAGUE AVENUE, SUITE 106

SPOKANE VALLEY, WA 99206  
Mailing address



TO BNSF CONNECTION

TO EASTPORT

PRIME WARNING TIME = 25 SECONDS

2641' 25" ± 5 SEC. @ 60 M.P.H.

2641' 25" ± 5 SEC. @ 60 M.P.H.

E BUTTER AVE

PARK ROAD

VISTA ROAD

CONNECTS TO M.P. 5.22

CONNECTS TO M.P. 5.17

NOTES:

- ⊗ TWISTED WIRES INSULATED 1" TWIST PER FT. ALL TRACK WIRES 2C-45
- ⊗ TRANSMITTER AND RECEIVER LENSES IN TRENCH. LENSES SHOULD NOT EXCEED MANUFACTURER'S RECOMMENDATION.
- ⊗ TOP OF FOUNDATION TO BE AT SAME ELEVATION AS TOP OF TRACK.
- ⊗ ALL BUNGALOW WIRING TO BE #16 AWG FLEX UNLESS OTHERWISE SPECIFIED EXCEPT ALL GROUND WIRE TO BE #6 AWG FLEX OR LARGER.
- ⊗ ALL WIRING IN GATE MECHANISM TO BE #10 AWG FLEX.
- ⊗ REFER TO UP STANDARD DWG FOR BUNGALOW GROUNDING. PORTABLE GENERATOR EXTENSION CORD AS SHOWN IS TO BE PROVIDED AS WELL AS A 120V TO 240V CONVERTER.
- ⊗ ALL LIGHTS TO BE 12" ROUND BLS.
- ⊗ \* \* \* \* \* = 4" X 8" CONDUIT
- ⊗ LIGHTS: LED LIGHTS
- ⊗ GATE A-32'
- ⊗ GATE B-32'
- ⊗ \* \* = BELL
- ⊗ Δ = ENSURE TRACK POLARITY IS TRANSPOSED ACROSS ALL INSULATED JOINTS.

- ⊗ = OBSERVE CORRECT POLARITY. IF POLARITY IS REVERSED IF CONNECTIONS ARE REVERSED
- ⊗ X = TEST TERMINALS MUST BE INSULATED FROM EACH OTHER AND TO EXTERNAL CABLES EXCEPT TRACK AND A.C. POWER WIRES.

CONSTRUCTION NOTES:  
 1. ORDER & INSTALL NEW CABIN, CMT & GATES WITH FLASHERS.  
 2. ORDER & INSTALL 12131' L.J.'S 50' FROM EDGE OF ROAD.

OFFSET AND ISLAND DISTANCES TO BE VERIFIED BY FIELD

\*\* FIELD VERIFY MEASUREMENTS

\* \* \* \* \*  
 TRK 1 ISLAND DISTANCE 153' MINIMUM 120' REQUIRED  
 PREFERRED ISLAND WIRE CONNECTIONS ARE A MINIMUM 50' FROM EDGE OF ROAD

TO BNSF CONNECTION

TO EASTPORT

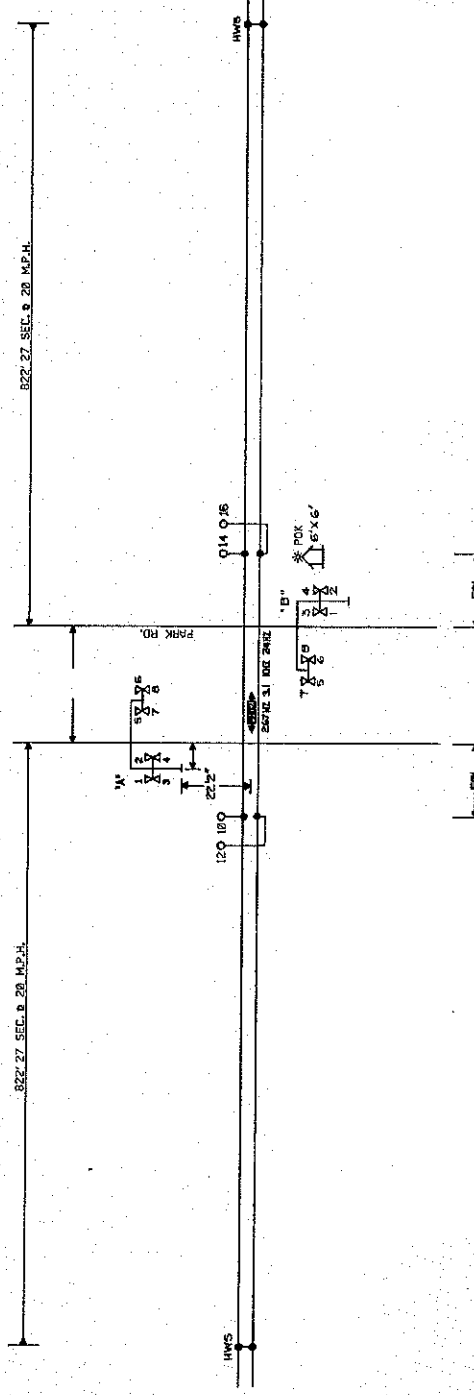
NEW SHEET

DATE	12/07/14	BY	SPK
DESIGN	SPK	CHECK	SPK
SCALE	AS SHOWN	DATE	12/07/14
PROJECT	UNION PACIFIC RAILROAD		
LOCATION	SPOKANE, WASHINGTON		
SECTION	PARK ROAD		
TRACK	SPOKANE SUBDIVISION		
NO.	508	REV.	4/22/86 LX
DATE	2/4/91	BY	SPK
PROJECT	UNION PACIFIC RAILROAD		
LOCATION	SPOKANE, WASHINGTON		
SECTION	PARK ROAD		
TRACK	SPOKANE SUBDIVISION		
NO.	508	REV.	4/22/86 LX

TO SPOKANE

822.27 SEC. 9. 20 M.P.H.

TO EASTPORT



NOTES:

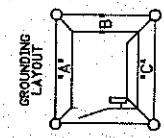
- △ CONNECT TO HEAVY DUTY CONTACTS & SHOW CONTACT NUMBERS.
- △ SHOW HEAVY DUTY CONTACTS & RELAY RES.
- △ WIRE #18 AWG-1 CONDUCTOR STRANDED S.O. COPPER IS STRANDED, INSULATED WITH 2/64 ETHYLENE PROPYLENE, 1/64 NEOPRENE JACKET, 14/64 CAL. RATED 500 V. 25A. CASE WIRE.
- △ WIRE #18 AWG-1 CONDUCTOR STRANDED S.O. COPPER IS STRANDED, INSULATED WITH 2/64 ETHYLENE PROPYLENE, 1/64 NEOPRENE JACKET, 14/64 CAL. RATED 500 V. 25A. CASE WIRE.
- △ SAME WIRE AS △ BUT TH. IN PAIRS.
- △ ALL WIRES CONNECTED TO BATT. TO BE TH. ANNEALED, INSULATED WITH 2/64 CROSS LINK POLYETHYLENE, THE RIB OR RHN USLE. RATED 500V. 42A. BATTERY WIRE. 50 DECC. DMT.
- △ WIRE #18 AWG-1 CONDUCTOR STRANDED S.O. COPPER IS STRANDED, INSULATED WITH 2/64 ETHYLENE PROPYLENE, 1/64 NEOPRENE JACKET, 14/64 CAL. RATED 500V. 25A. CASE WIRE.
- △ SAME WIRE AS △ BUT TH. IN PAIRS.

- ⊗ = TWISTED WIRES
- # = FOR NEG. LEAD FROM RECT. BATT. RUN PAR. LEAD FROM REEL OF CHANGES TEST SW. EQUIPMENT WILL BE DAMAGED IF CONNECTIONS ARE REVERSED
- ⊙ = ESSEKIE CORRECT REWIND OF TRACK SPECIES IS TH. UNLESS OTHERWISE SPECIFIED
- ① = WIRE TO BE 25' FROM NEAR END OF TRACK AND 30' FROM EDGE OF ROADWAY.

1. SET UP THERMAL ADJUSTMENT ON PHOT. TO PROVIDE TRANSFER TIME OF 5 MINUTES. TRANSFER INSTANTANEOUSLY.

\* = POWER OFF INDICATION  
 2/3" TO BE USED ON ALL TRACK CONNECTIONS. LENGTH SHOULD NOT EXCEED TOP OF FOUNDATION TO BE AT SAME ELEVATION AS THE SURFACE OF THE TRAVELED WAY & NO MORE THAN 4" ABOVE THE SURFACE OF THE GROUND, WITH CURB TO BE MAXIMUM OF 4" ABOVE CURB. ALL LIGHTS TO BE 12" ROUNDELS.

LIGHTS: A & B 1.4 30' 15"  
 5.67.8 20' 22"



**TO BE VOIDED**  
 W.O. 27431 12-27-14 XRL

SPOKANE SUBDIVISION  
 SPOKANE, WASHINGTON  
 M.P. 5.60  
 DOT. 662210F  
 S.I.R.R.

REV. 2-7-97 B1 & B2 BATTERIES UPDATED. REL. 14895 150/MT.	REV. 8-26-85 REV. 1-17-85 MODIFIED APPROACHES AND TRACK REMOVED TRACK REMOVED L.S. 12-25-84 L.S. 12-25-84	DES. REC. DES. REC. DES. REC. DES. REC.	UNION PACIFIC RAILROAD SPOKANE, WASHINGTON HIGHWAY CROSSING SIGNALS	DATE: 3-28-87 SHEET 1 DWG 5.60 B-4923
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