COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

P.0. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1401642**
Date Issued: 07/18/2014
Exp. Date: 08/04/2014
Project No: PWP110005
Quad: SE

UE/CR/PM NO:PWP790081

ENCROACHMENT PERMIT

To: WILSON & COMPANY/JOHN RANGEL
625 E. CARNEGIE DR.
SAN BERNARDINO, CA 92408

Encroachment Type:

ROAD IMPROVEMENT			

Location:
BOTH SIDES OF ARTHUR RD., LONG TREE RD., AVENA RD. AT BNSF RR TRACK CROSSINGS

In compliance with your request of **06/10/2014**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD
Traffic Control Signs shall be removed or sacked when roadway is reopened on 8/1/2014. Road closure starts on 7/28/2014 at 6:00am and reopens 8/1/2014 at 5:00pm

FORMS:	SS/WW, R-29		

Est. Permit Fee: $15,730.00

for THOMAS M. GAU, Director
Department of Public Works

By: _____
Permit Section

WHITE	-Permittee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:
   STREETS AND HIGHWAYS CODE
   1. Division 1, Chapter 3
   2. Division 2, Chapter 2, Section 942
   3. Division 2, Chapter 4, Section 1126
   4. Division 2, Chapter 5.5 and Chapter 6

   SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.

3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.

4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.

5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.

6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.

7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.

8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.

9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.

10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.

11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.

12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.

13. The Permittee is responsible for the preservation of survey monuments within the work herein permitted. If any are disturbed, the Permittee is required to tie out each location and re-establish them after completion of work, using a licensed land surveyor. A corner record must be filed in accordance with state law for any re-set monuments.

14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 7-24-2014

To: San Joaquin County
Department of Public Works

Wilson & Company
(Applicant Name)

625 E. Carnegie Dr., Ste 100
(Mailing Address)

San Bernardino Ca. 92408
(City, State, Zip Code)

(909) 806-8008
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	PWP-790081	REF #	
APN		CR #	
EXP. DATE	8-4-2014		
VALID	7-28-2014 TO 8-4-2014	DRIVEWAYS:	
STREET	Phase I	*	
AREA	Escalon QUAD SE	*	
TYPE	RR Track grade improvements		
FORMS	SS/Wio, R29, Special Cond		
NOTES			

Sketch (Detailed plans may be submitted)

Plans attached

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the Both side of Phase I approximately _____ feet/mile _____ of BNSF Railroad Crossing, _____, by performing the following work (description of work):
Excavation, Embankment, Street improvement.

Phase I, Arthur Road, Lone Tree Road, and Avena Road

Work will commence on or about 7-28-2014 ~~for approximately~~ FILL 8-1-2014 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Signature of Applicant - Title

7/24/2014
Date

SPECIAL CONDITIONS FOR BNSF RR TRACKS GRADE IMPROVEMENT ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads in accordance with the attached Traffic Control Plan. Traffic control delays shall not exceed 15 minutes. Except in approved road closure areas, the road closures shall be maintained during non-working hours. All barricades and traffic control signs shall remain in place and be maintained during approved closure times.

2. Access to all properties within the work areas shall be maintained at all times.

3. Residents and businesses shall be notified in writing, as approved by the County, 48-hours in advance of any impacts to their access.

4. Any areas where parking is to be restricted shall have signs noting the time period. Signs shall be placed at least 48 hours in advance of the restriction.

5. Existing fences shall not be removed without written consent signed by the property owner and submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials.

6. Final paving for road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31 unless authorized by the County.

7. All pavement conforms shall be ground to provide a flush surface. Shoulder areas shall be brought up to the finish grade as directed by the County.

8. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.

9. Traffic Control Signs shall be removed or sacked when roadway is reopened on 8/1/2014 and completely removed from the right-of-way by 8/4/2014.

10. The permittee is responsible for any survey monuments disturbed by this project and shall file a corner record to reestablish them using a licensed Land Surveyor.

11. Shoulder backing shall be backed with Class II Aggregate Base from edge of pavement a minimum of 4-inches thick by 4-foot wide.

12. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.

13. The contractor shall not conduct construction operations in rain or heavy fog conditions.

EARTHWORK (IMPORTED BORROW).--Imported Borrow shall conform to the requirements in Section 19, "Earthwork," of the Standard Specifications and these special provisions.

Imported Borrow shall have a dry weight of not less than 100 pounds/cubic foot when compacted at 100 percent relative compaction. The material shall be equal to or better than the native material upon which it shall be placed as determined by the Resistance (R-Value) and Sand Equivalent, unless otherwise shown on the plans.

Measurement shall be by the cubic yard "measured in the vehicle," at the point of loading, as provided for in Section 9-1.01, "Measurement of Quantities," of the Standard Specifications, with payment being made on the water level capacity of the vehicles doing the hauling. The Contractor shall be required to furnish individual load slips and certified daily load summary sheets.

BSNF RR CROSSINGS CONSTRUCTION SCHEDULE - 07/10/14

Phase 1 - Arthur/Lone Tree/Avena

Activity	Duration	Start Date	End Date
DETOUR INSTALLATION	2 SH	7/17/2014	7/18/2014
ROAD CLOSURE - 6 am		7/28/2014	N/A
ASPHALT GRINDING/PREP	1 SH	7/28/2014	7/28/2014
ASPHALT PAVING	2 SH	7/29/2014	7/30/2014
SHOULDER BACK/AC DIKE	1 SH	7/31/2014	7/31/2014
BNSF SIGNAL RELOCATE	1 SH	7/31/2014	8/1/2014
STRIPING SUB	1 SH	8/1/2014	8/1/2014
ROAD OPENING - 5 pm		8/1/2014	
DETOUR REMOVAL	1 SH	8/4/2014	8/4/2014

Phase 2 - Brennan/Sexton/Van Allen

Activity	Duration	Start Date	End Date
DETOUR INSTALLATION	2 SH	7/24/2014	7/25/2014
ROAD CLOSURE - 6 am		8/4/2014	N/A
ASPHALT GRINDING/PREP	1 SH	8/4/2014	8/4/2014
ASPHALT PAVING	2 SH	8/5/2014	8/6/2014
SHOULDER BACK/AC DIKE	1 SH	8/7/2014	8/7/2014
BNSF SIGNAL RELOCATE	1 SH	8/7/2014	8/8/2014
STRIPING SUB	1 SH	8/8/2014	8/8/2014
ROAD OPENING - 5 pm		8/8/2014	
DETOUR REMOVAL	1 SH	8/11/2014	8/11/2014

THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

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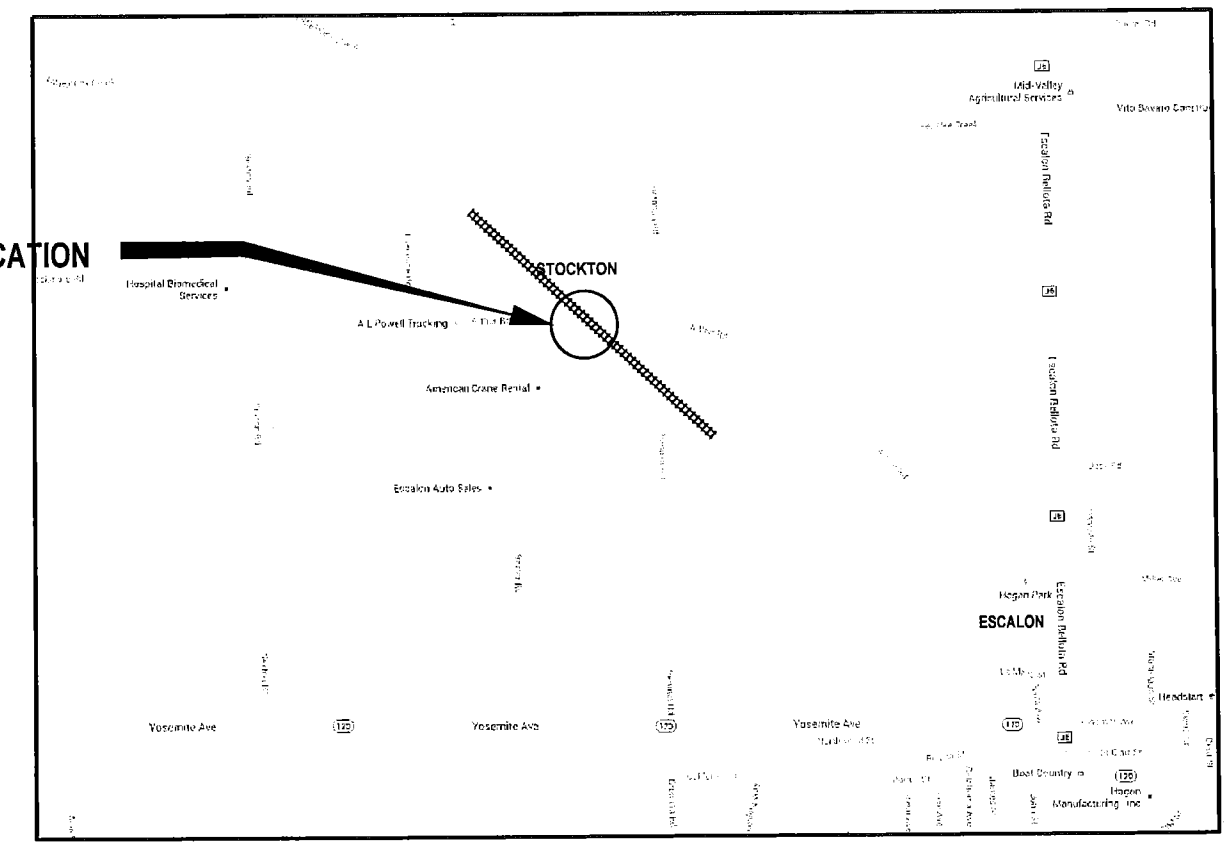
BNSF RAILWAY

ARTHUR ROAD CROSSING

Div. Northern California **Sub. Div. Stockton** **Line Seg. 7200**

PROJECT LOCATION



CALIFORNIA

PROJECT LOCATION

VICINITY MAP

SAN JOAQUIN COUNTY CALIFORNIA

WILSON & COMPANY

File: M:\BR\09-403-0 JA\CADD\Sht_1\Crossings\Cover_Arthur.dwg 5/13/2014 Time: 3:32:37 PM By: jarangel

NOTES:

THIS CROSSING IS SCHEDULED FOR FEDERAL SECTION 130 CROSSING IMPROVEMENTS DURING THE ~~2000-2001~~ 2014-2015 FISCAL YEAR CONSISTING OF UPGRADING THE AUTOMATIC WARNING DEVICES AND CONSTANT TIME TRACK CIRCUITRY.

HORIZONTAL ALIGNMENT OF PROPOSED ROAD MODIFICATIONS SHALL MATCH ALIGNMENTS OF EXISTING ROAD.

PROPOSED PAVEMENT CROSS SECTION WIDTH TO MATCH EXISTING PAVEMENT WIDTH UNLESS NOTED OTHERWISE IN THE PLANS

ASPHALT AND ASPHALT MIX SHALL BE APPROVED BY ENGINEER.

FILL IN BETWEEN CROSSING PLANKS WITH ASPHALT AS NECESSARY.

ASPHALT CURBS SHALL MATCH EXISTING SIZE AND DIMENSIONS.

ASPHALT CURBS SHALL BE INCIDENTAL TO ROAD CROSSING CONSTRUCTION.

ASPHALT CURBS SHALL NOT BLOCK EXISTING OR PROPOSED DRIVEWAYS OR ACCESS ROADS.

AGGREGATE BASE COURSE IS THE EQUIVALENT OF SUBBALLAST AS SPECIFIED IN THE PROJECT MANUAL.

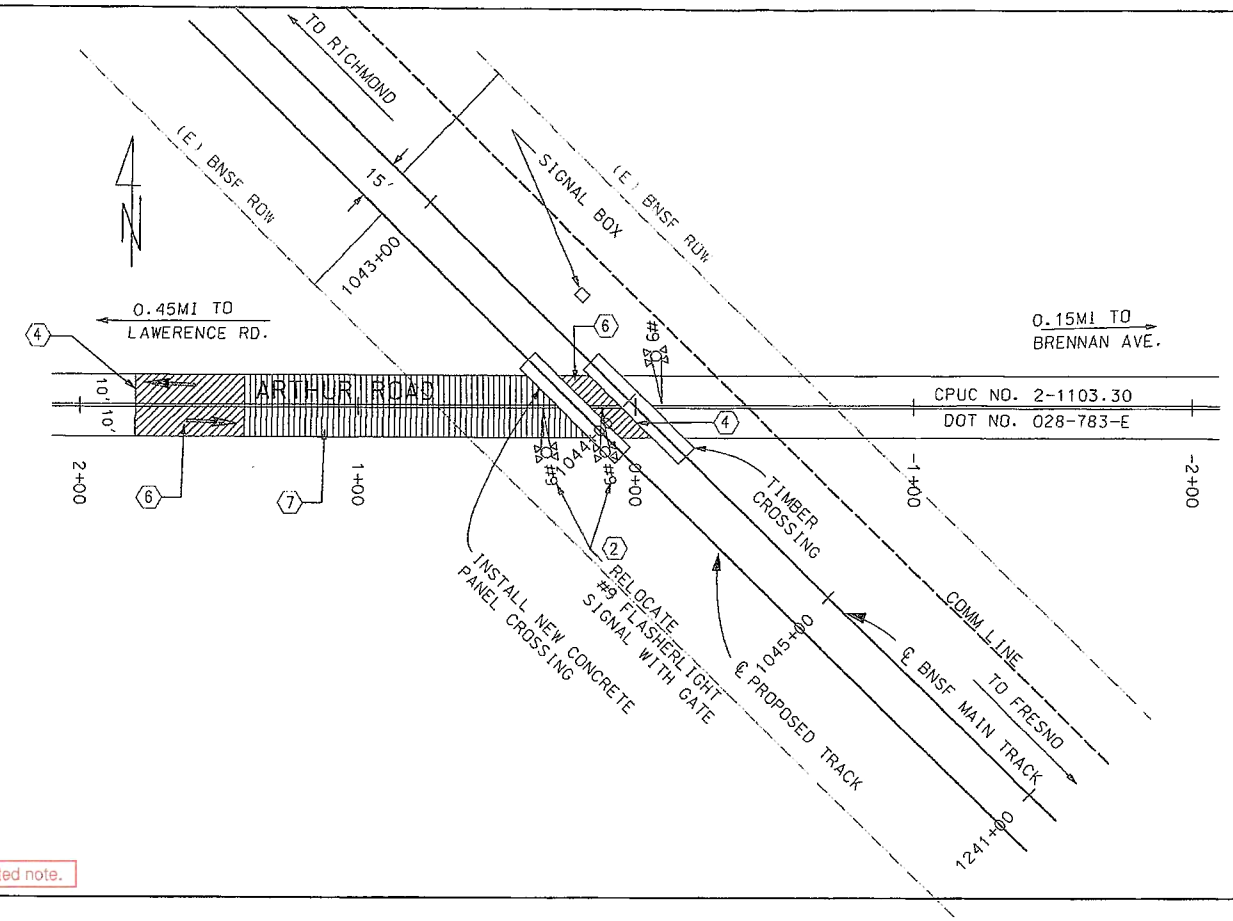
INSTALLED DEPTH OF ALL ASPHALT PAVEMENT SECTIONS SHALL BE 2" OR ~~GREATER.~~ LESS.

CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND OBTAINING APPROVAL FOR ALL DETOUR AND CLOSING PLANS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE OR FEDERAL AUTHORITIES.

PLACE AMBER REFLECTORIZED PAVEMENT MARKERS 100' ON EACH TRACK APPROACH AT ~~20'~~ 24' INTERVALS ALONG CENTER LINE OF ROAD; NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.

PLACE DOUBLE YELLOW LANE LINE AT CENTER LINE OF ROAD 200' ON EACH ROADWAY APPROACH.

Repeated note.



CONSTRUCTION NOTES

1. 32' MIN. CONCRETE GRADE CROSSING WITH ASPHALT FILLERS.
2. RELOCATE CROSSING GATE AND SIGNAL (BY OTHERS).
3. NO WORK IS TO BE DONE HERE.
4. LIMITS OF NEW ROAD SURFACE.
5. EXTEND CULVERT. SEE SHEET C1.
6. MILL AND OVERLAY 2" AC SURFACE
7. CONSTRUCT 2" AC SURFACE OVER LEVELING BINDER VARIABLE THICKNESS

CONSTRUCTION QUANTITIES

BITUMINOUS SURFACE	572 CF
BITUMINOUS BASE	-
BITUMINOUS LEVELING BINDER	1367 CF
AGGREGATE BASE	-
AGGREGATE SHOULDER	375 CF
FILL MATERIAL	1500 CF
MILLING	1100 SF
STRIPING/REFLECTORS	1 LS
TRAFFIC CONTROL/BARRICADES/SIGNS	1 LS
DISPOSAL OF DEMOLITION MATERIALS	1 LS
SUBDRAINS	1 LS

NOTES (CONT.):

PAINT ALL PAVEMENT MARKINGS, INCLUDING ℄, STOP BAR, AND EDGE MARKINGS. ~~PLACE AMBER REFLECTORIZED PAVEMENT MARKERS 100' ON EACH TRACK APPROACH AT 20' INTERVALS ALONG CENTER LINE OF ROAD; NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.~~

RESTRIPE LANE LINES 200' ON EACH ROADWAY APPROACH

MARKING METHODS SHALL MEET MATERIAL AND INSTALLATION REQUIREMENTS FOR PERMANENT MARKINGS OF CALTRANS.

RELOCATION OF EXISTING CROSSBUCK, ADVANCE AND NUMBER OF TRACK SIGNS, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT BID ITEMS AND NO DIRECT PAYMENT WILL BE MADE THEREOF.

SUBDRAIN INSTALLATION REQUIRES REMOVAL OF EXISTING PAVEMENT. ~~SEE DETAIL SHEET CCD-1.~~

CONFORM WITH COUNTY STANDARD R-29.

ALL CONCRETE CURBS AND SIDEWALKS SHALL MEET CITY, COUNTY AND STATE SPECIFICATIONS. SEE DETAILS SHEET CCD-1.

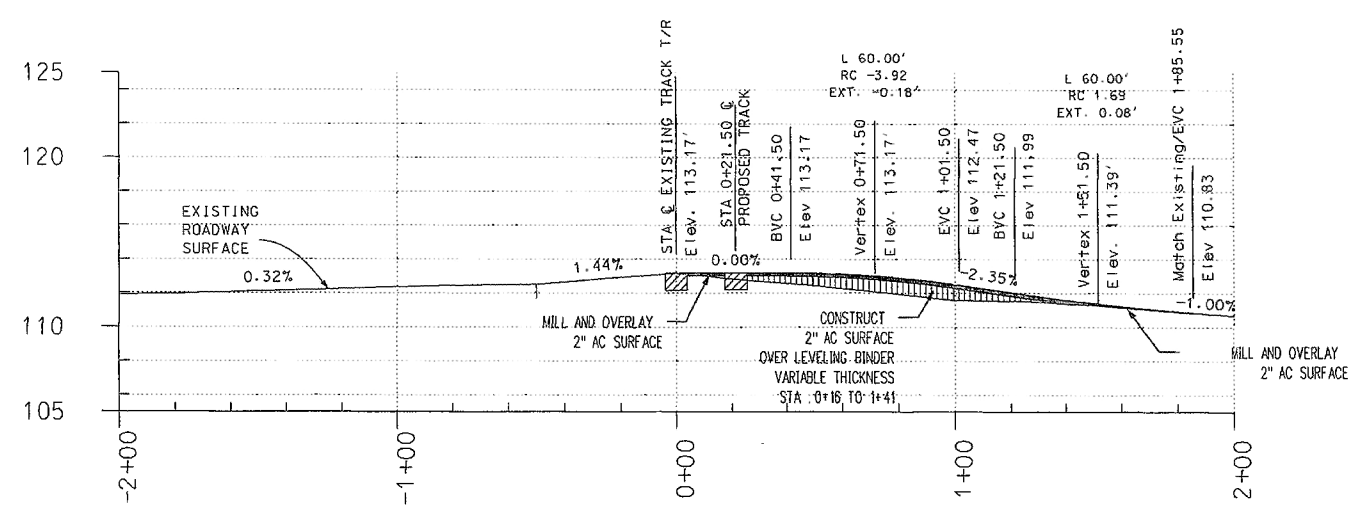
ALL MATERIALS GENERATED BY DEMOLITION OF PAVEMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF OFF RAILROAD PROPERTY.

DISPOSAL OF THE MATERIALS GENERATED BY DEMOLITION ACTIVITIES MUST MEET THE REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS

DISPOSAL COSTS ARE INCIDENTAL TO THE CONTRACT BID ITEMS AND NO DIRECT PAYMENT SHALL BE MADE THEREOF.

ALL CHANGES TO THE ABOVE REQUIREMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

Add note:
FILL MATERIAL SHALL BE ASPHALT CONCRETE BASE OR IMPORTED BORROW. CONFORM WITH COUNTY STANDARD 19H.



ARTHUR ROAD

CPUC NO. 2-1103.30
DOT NO. 028-783-E
STA. 1044+30.93
MP 1103.35

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

HORIZONTAL SCALE: 60 30 0 15 30 60

VERTICAL SCALE: 10 5 0 2.5 5 10

REVISIONS

NO.	DESCRIPTION	DATE	BY

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

ESCALON TO STOCKTON, CA.
CAPACITY IMPROVEMENT PROJECT
ARTHUR ROAD
CPUC NO. 2-1103.30 DOT NO. 028-783-E

FILE: XGC-04.dgn

SHEET XGC-04 of XGC-15

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGI

FILE NO. X051078

DATE 1-8-10

THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

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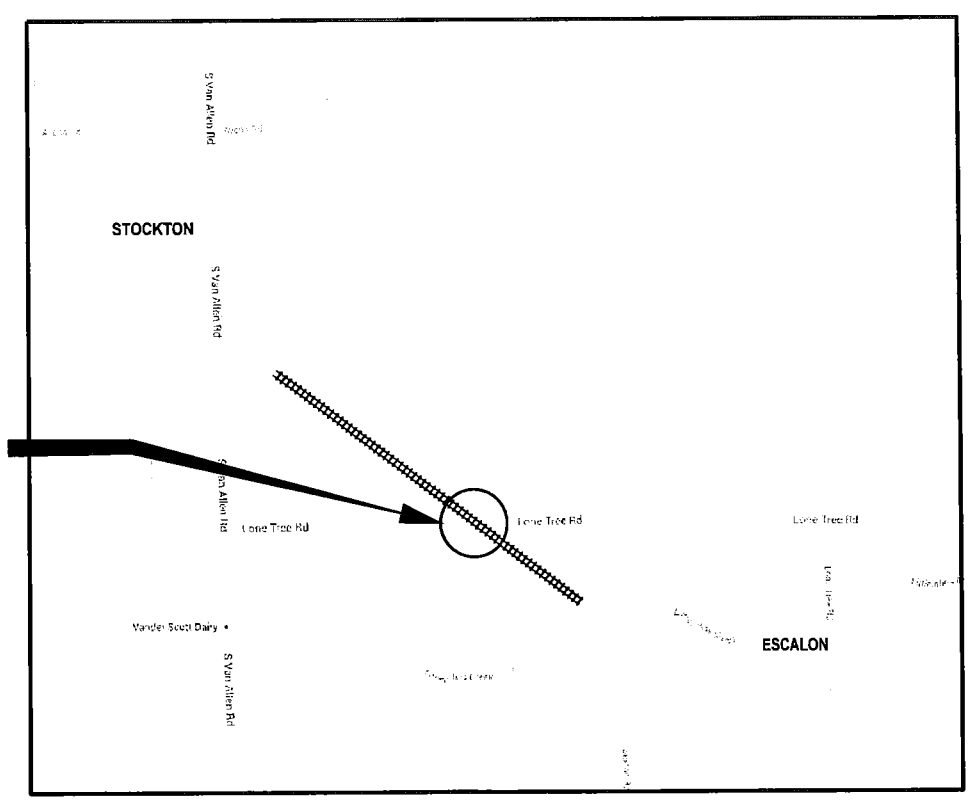
BNSF RAILWAY

LONE TREE ROAD CROSSING

Div. Northern California **Sub. Div. Stockton** **Line Seg. 7200**

CALIFORNIA

PROJECT LOCATION



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VICINITY MAP

SAN JOAQUIN COUNTY CALIFORNIA

WILSON & COMPANY

File: M:\WR\09-400-156: SPK\CADD\SHEETS: Crossings\Cover_LoneTree.dgn 03/2014 Time: 3:44:17 PM By: jsranger

NOTES:

THIS CROSSING IS SCHEDULED FOR FEDERAL SECTION 130 CROSSING IMPROVEMENTS DURING THE ~~2000-2001~~ 2014-2015 FISCAL YEAR CONSISTING OF UPGRADING THE AUTOMATIC WARNING DEVICES AND CONSTANT TIME TRACK CIRCUITRY.

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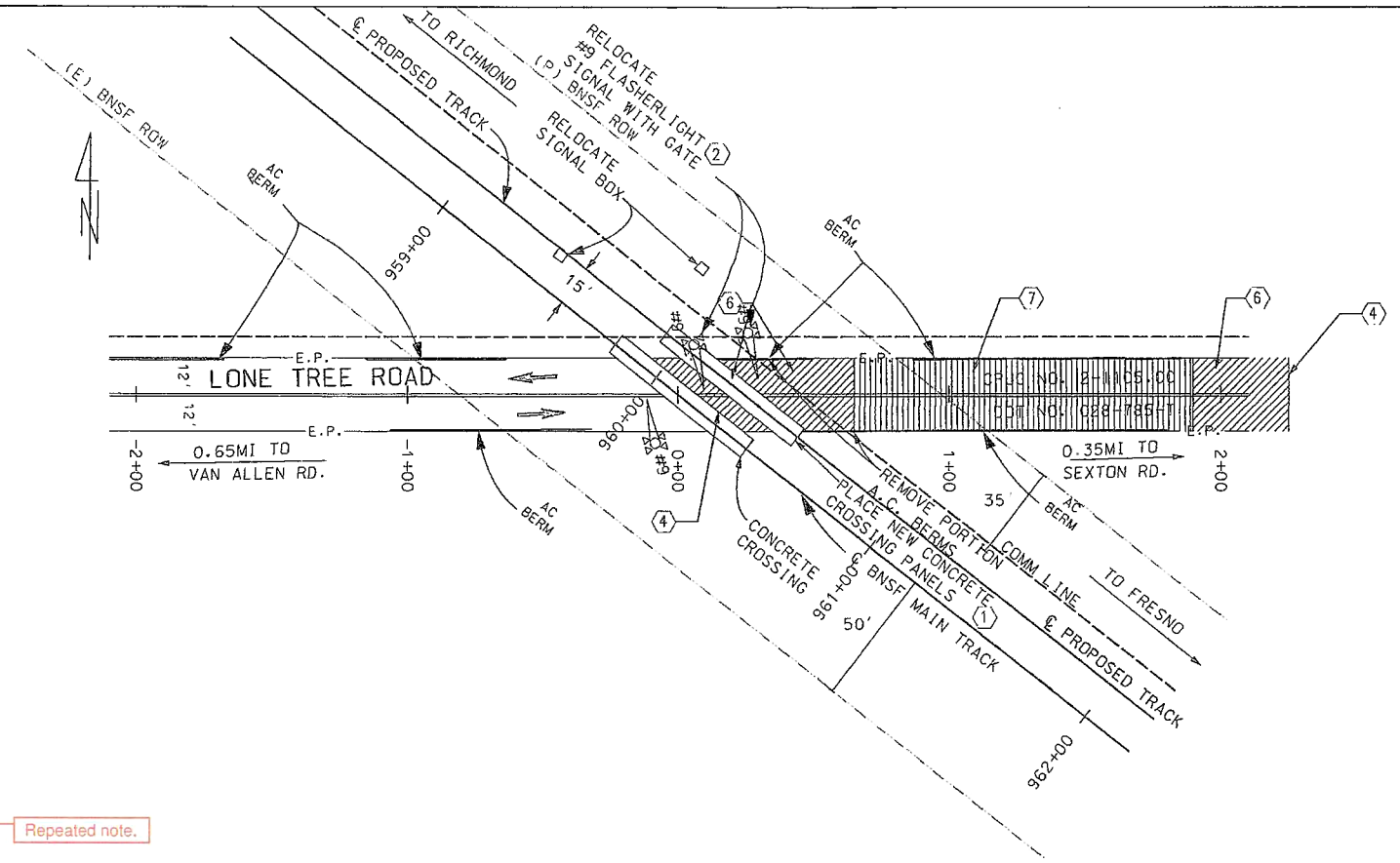
Repeated note.



CONSTRUCTION NOTES

1. 64' MIN. CONCRETE GRADE CROSSING WITH ASPHALT FILLERS.
2. RELOCATE CROSSING GATE AND SIGNAL (BY OTHERS).
3. NO WORK IS TO BE DONE HERE
4. LIMITS OF NEW ROAD SURFACE.
5. EXTEND CULVERT. SEE SHEET C1.
6. MILL AND OVERLAY 2" AC SURFACE
7. CONSTRUCT 2" AC SURFACE OVER LEVELING BINDER VARIABLE THICKNESS

CONSTRUCTION QUANTITIES

BITUMINOUS SURFACE	769 CF
BITUMINOUS BASE	-
BITUMINOUS LEVELING BINDER	54 CF
AGGREGATE BASE	-
AGGREGATE SHOULDER	375 CF
FILL MATERIAL	1500 CF
MILLING	2527 SF
STRIPING/REFLECTORS	1 LS
TRAFFIC CONTROL/BARRICADES/SIGNS	1 LS
DISPOSAL OF DEMOLITION MATERIALS	1 LS
SUBDRAINS	1 LS

NOTES (CONT.):

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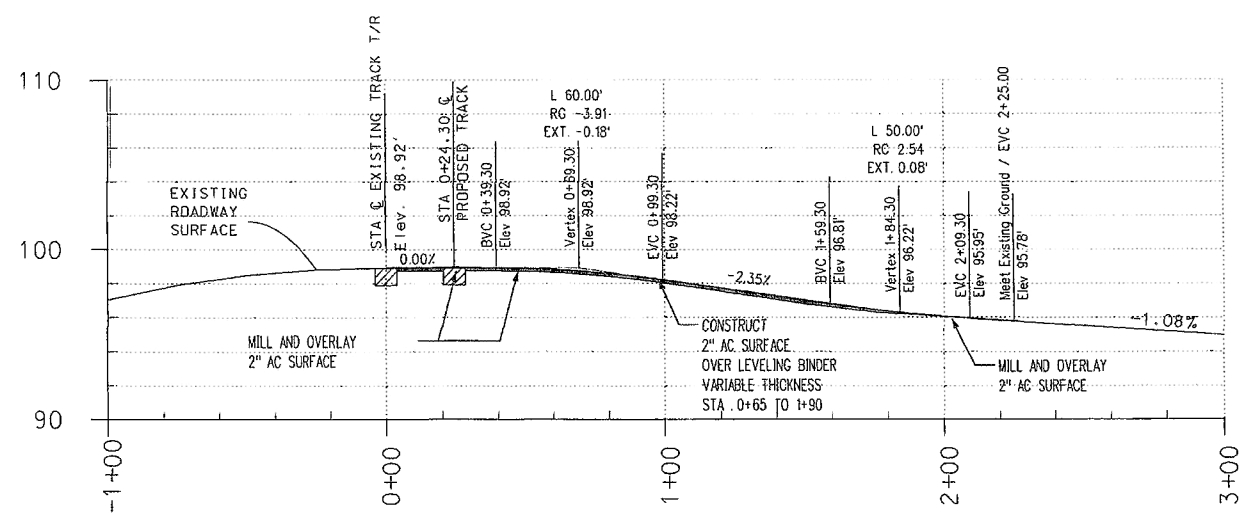

LONE TREE ROAD

CPUC NO. 2-1105.00
DOT NO. 028-785-T
STA. 960+10.21
MP 1105.00

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

60 30 0 15 30 60 — HORIZONTAL SCALE

10 5 0 2.5 5 10 — VERTICAL SCALE

REVISIONS

NO.	DESCRIPTION	DATE	BY

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
LONE TREE ROAD
CPUC NO. 2-1105.00 DOT NO. 028-785-T

FILE: XGC-06.dgn

SHEET XGC-06 of XGC-15

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

WILSON & COMPANY

FILE NO. X0510129

DATE 1-8-10

THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

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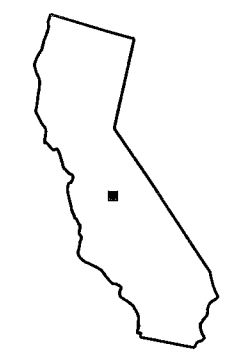
BNSF RAILWAY

AVENA ROAD CROSSING

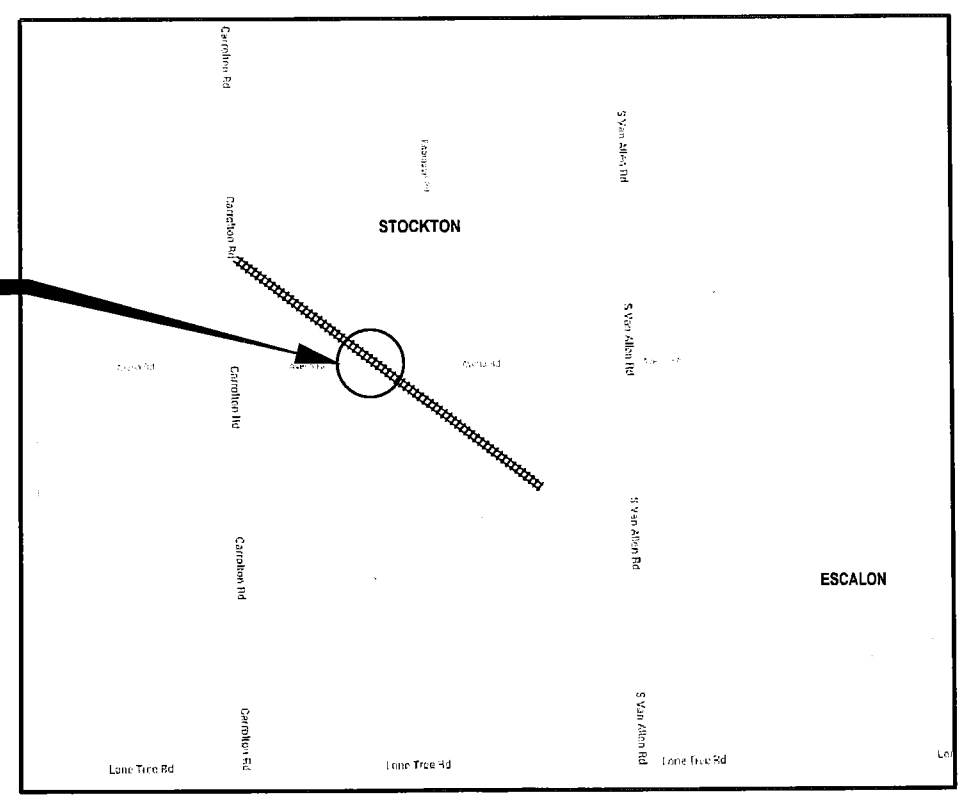
Div. Northern California **Sub. Div. Stockton** **Line Seg. 7200**

CALIFORNIA



PROJECT LOCATION

PROJECT LOCATION



N

VICINITY MAP

SAN JOAQUIN COUNTY CALIFORNIA

WILSON & COMPANY

File: M:\98\09-400-045-00\CADD\S-TTS\Crossings\Cover_AvenaRd.dgn 5/13/2014 Time: 3:53:37 PM By: jprengel

NOTES:

THIS CROSSING IS SCHEDULED FOR FEDERAL SECTION 130 CROSSING IMPROVEMENTS DURING THE ~~2000-2001~~ 2014-2015 FISCAL YEAR CONSISTING OF UPGRADING THE AUTOMATIC WARNING DEVICES AND CONSTANT TIME TRACK CIRCUITRY.

HORIZONTAL ALIGNMENT OF PROPOSED ROAD MODIFICATIONS SHALL MATCH ALIGNMENTS OF EXISTING ROAD.

PROPOSED PAVEMENT CROSS SECTION WIDTH TO MATCH EXISTING PAVEMENT WIDTH UNLESS NOTED OTHERWISE IN THE PLANS

ASPHALT AND ASPHALT MIX SHALL BE APPROVED BY ENGINEER.

FILL IN BETWEEN CROSSING PLANKS WITH ASPHALT AS NECESSARY.

ASPHALT CURBS SHALL MATCH EXISTING SIZE AND DIMENSIONS.

ASPHALT CURBS SHALL BE INCIDENTAL TO ROAD CROSSING CONSTRUCTION.

ASPHALT CURBS SHALL NOT BLOCK EXISTING OR PROPOSED DRIVEWAYS OR ACCESS ROADS.

AGGREGATE BASE COURSE IS THE EQUIVALENT OF SUBBALLAST AS SPECIFIED IN THE PROJECT MANUAL.

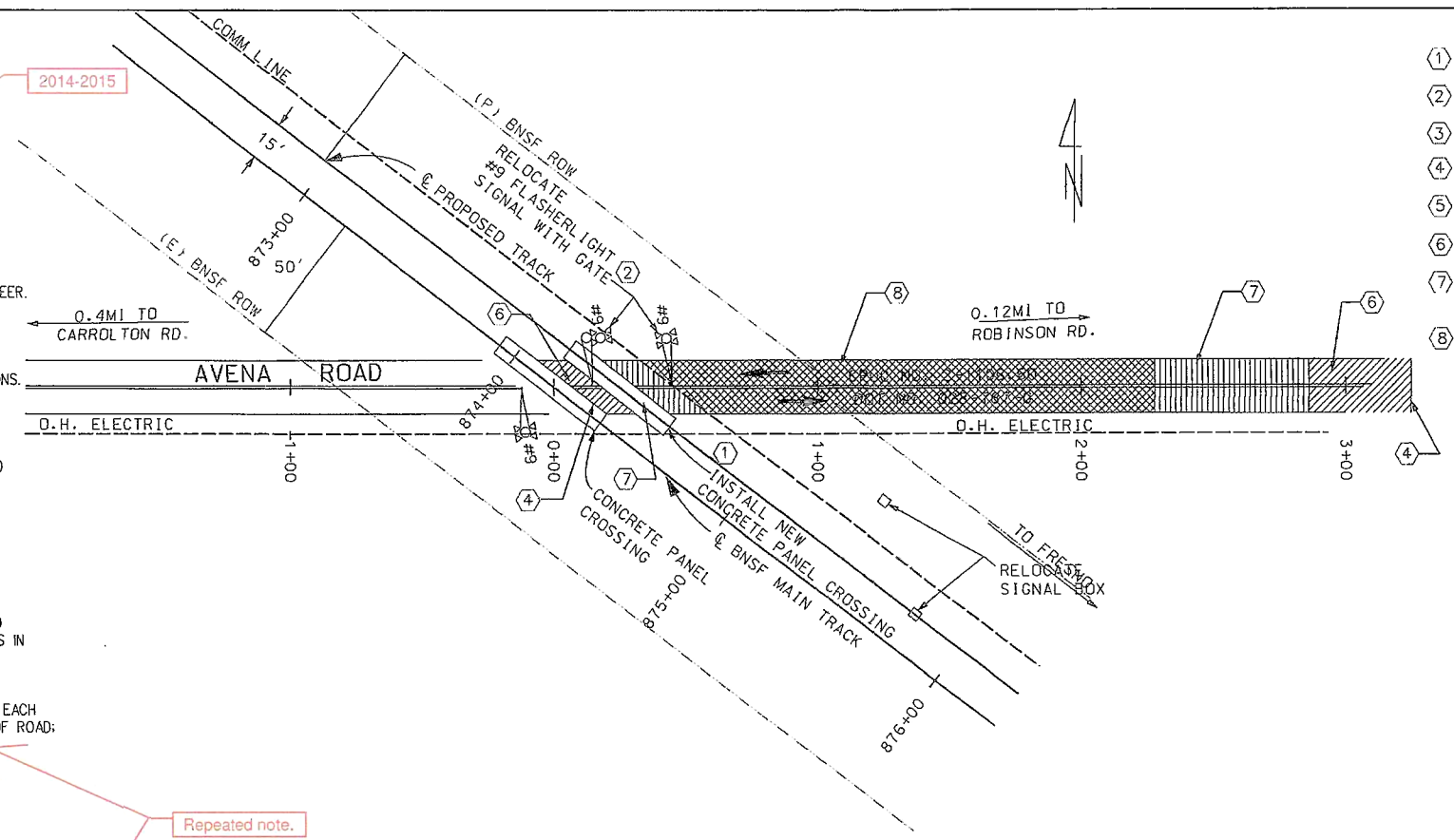
INSTALLED DEPTH OF ALL ASPHALT PAVEMENT SECTIONS SHALL BE 2" OR ~~GREATER.~~ LESS.

CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND OBTAINING APPROVAL FOR ALL DETOUR AND CLOSING PLANS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE OR FEDERAL AUTHORITIES.

PLACE AMBER REFLECTORIZED PAVEMENT MARKERS 100' ON EACH TRACK APPROACH AT ~~20'~~ 24' INTERVALS ALONG CENTER LINE OF ROAD; NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.

PLACE DOUBLE YELLOW LANE LINE AT CENTER LINE OF ROAD 200' ON EACH ROADWAY APPROACH.

Repeated note.



CONSTRUCTION NOTES

1. 32' MIN. CONCRETE GRADE CROSSING WITH ASPHALT FILLERS.
2. RELOCATE CROSSING GATE AND SIGNAL (BY OTHERS).
3. NO WORK IS TO BE DONE HERE.
4. LIMITS OF NEW ROAD SURFACE.
5. EXTEND CULVERT. SEE SHEET C1.
6. MILL AND OVERLAY 2" AC SURFACE
7. CONSTRUCT 2" AC SURFACE OVER LEVELING BINDER VARIABLE THICKNESS
8. REMOVE EXISTING PAVEMENT AND CONSTRUCT 2" AC SURFACE, 4" AC BASE, 6" AGGREGATE BASE

CONSTRUCTION QUANTITIES

BITUMINOUS SURFACE	1051 CF
BITUMINOUS BASE	163 CF
BITUMINOUS LEVELING BINDER	429 CF
AGGREGATE BASE	2138 CF
AGGREGATE SHOULDER	1753 CF
FILL MATERIAL	7702 CF
MILLING	1080 SF
STRIPING/REFLECTORS	1 LS
TRAFFIC CONTROL/BARRICADES/SIGNS	1 LS
DISPOSAL OF DEMOLITION MATERIALS	1 LS
SUBDRAINS	1 LS

NOTES (CONT.):

PAINT ALL PAVEMENT MARKINGS, INCLUDING ▪, STOP BAR, AND EDGE MARKINGS. ~~PLACE AMBER REFLECTORIZED PAVEMENT MARKERS 100' ON EACH TRACK APPROACH AT 20' INTERVALS ALONG CENTER LINE OF ROAD; NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.~~

RESTRIPE LANE LINES 200' ON EACH ROADWAY APPROACH

MARKING METHODS SHALL MEET MATERIAL AND INSTALLATION REQUIREMENTS FOR PERMANENT MARKINGS OF CALTRANS.

RELOCATION OF EXISTING CROSSBUCK, ADVANCE AND NUMBER OF TRACK SIGNS, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT BID ITEMS AND NO DIRECT PAYMENT WILL BE MADE THEREOF.

SUBDRAIN INSTALLATION REQUIRES REMOVAL OF EXISTING PAVEMENT ~~SEE DETAIL SHEET GCD-1.~~ CONFORM WITH COUNTY STANDARD R-29.

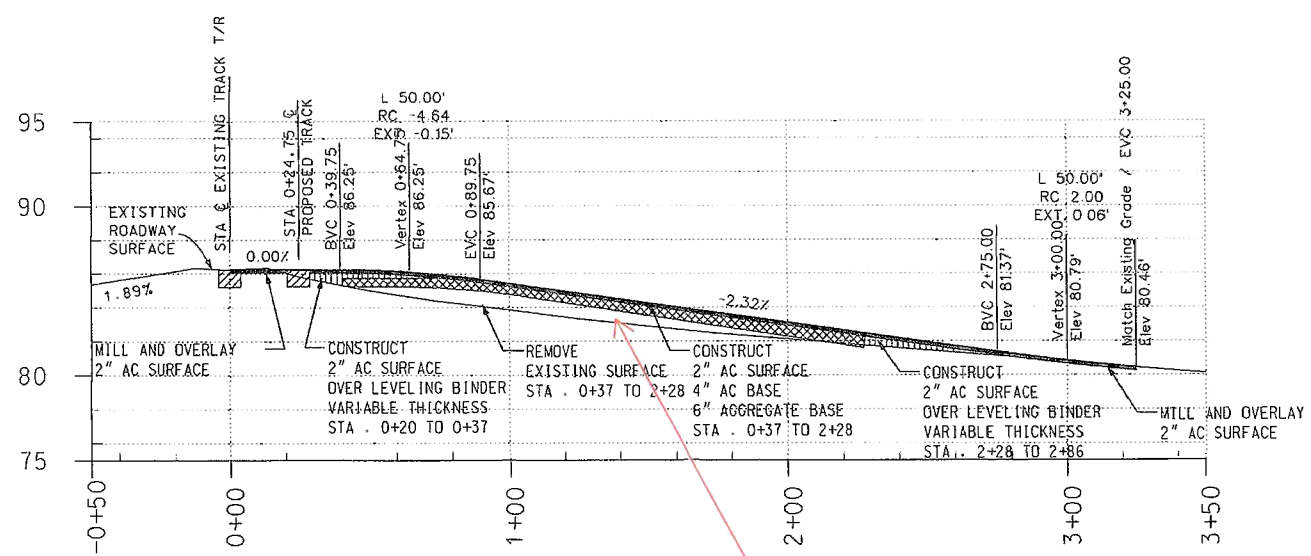
ALL CONCRETE CURBS AND SIDEWALKS SHALL MEET CITY, COUNTY AND STATE SPECIFICATIONS. SEE DETAILS SHEET GCD-1.

ALL MATERIALS GENERATED BY DEMOLITION OF PAVEMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF OFF RAILROAD PROPERTY.

DISPOSAL OF THE MATERIALS GENERATED BY DEMOLITION ACTIVITIES MUST MEET THE REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS

DISPOSAL COSTS ARE INCIDENTAL TO THE CONTRACT BID ITEMS AND NO DIRECT PAYMENT SHALL BE MADE THEREOF

ALL CHANGES TO THE ABOVE REQUIREMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.



FILL MATERIAL

AVENA ROAD

CPUC NO. 2-1106.60
DOT NO. 028-787-G
STA. 874+18.65
MP 1106.56

Add note:
FILL MATERIAL SHALL BE ASPHALT CONCRETE BASE OR IMPORTED BORROW. CONFORM WITH COUNTY STANDARD 19H.

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

60 30 0 15 30 60 — HORIZONTAL SCALE

10 5 0 2.5 5 10 — VERTICAL SCALE

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

ESCALON TO STOCKTON, CA.
CAPACITY IMPROVEMENT PROJECT
AVENA ROAD
CPUC NO. 2-1106.60 DOT NO. 028-787-G

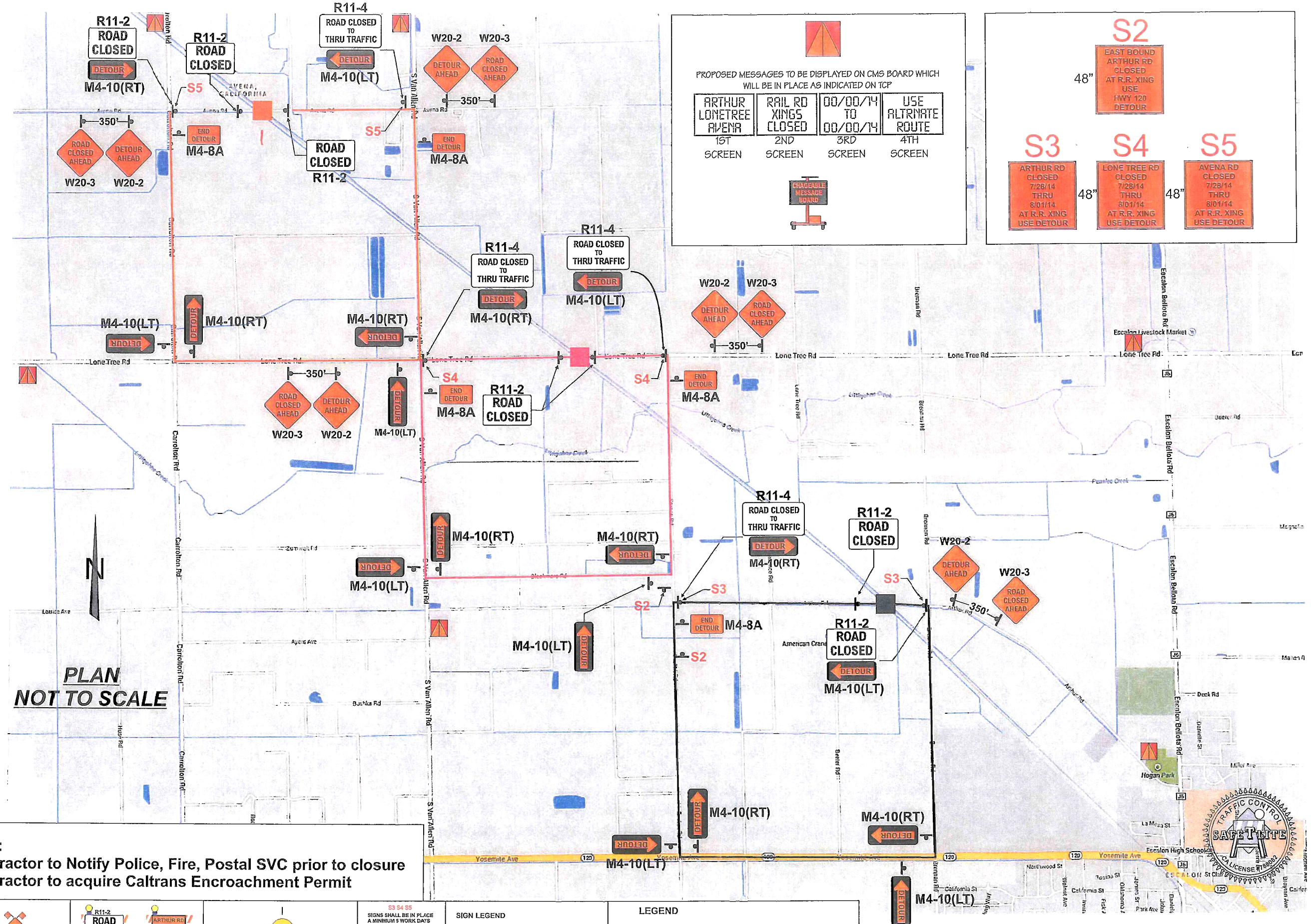
FILE: XCC-08.dgn

SHEET XCC-08 of XCC-15

DESIGNED JSP
CHECKED LGL
DRAWN JSR
CHECKED LGL

FILE NO X0510129

DATE 1-8-10



PROPOSED MESSAGES TO BE DISPLAYED ON CMS BOARD WHICH WILL BE IN PLACE AS INDICATED ON TCP

ARTHUR LONETREE AVENA	RAIL RD XINGS CLOSED	00/00/14 TO 00/00/14	USE ALTRNATE ROUTE
1ST SCREEN	2ND SCREEN	3RD SCREEN	4TH SCREEN

CHANGEABLE MESSAGE BOARD

S2
EAST BOUND ARTHUR RD CLOSED AT R.R. XING USE HWY 120 DETOUR

48"

S3
ARTHUR RD CLOSED 7/28/14 THRU 8/01/14 AT R.R. XING USE DETOUR

48"

S4
LONE TREE RD CLOSED 7/28/14 THRU 8/01/14 AT R.R. XING USE DETOUR

48"

S5
AVENA RD CLOSED 7/28/14 THRU 8/01/14 AT R.R. XING USE DETOUR

NOTE:
- Contractor to Notify Police, Fire, Postal SVC prior to closure
- Contractor to acquire Caltrans Encroachment Permit

ALL ADVANCE WARNING SIGNS SHALL BE REFLECTIVE AND SHALL BE MOUNTED ON FLAG STANDS WITH FLAGS.

TYPE 3 BARRICADE WITH SIGN MOUNTED (EXAMPLE)

TYPE 1 BARRICADE WITH SIGN MOUNTED (EXAMPLE)

NOTE:
ALL BARRICADES SHALL HAVE FLASHING LIGHTS MOUNTED ON THEM IF LEFT OVERNIGHT.

S3 S4 S5
SIGNS SHALL BE IN PLACE A MINIMUM 5 WORK DAYS PRIOR TO ROAD CLOSURE.

SIGN LEGEND

W20-2 ---------- DETOUR AHEAD
W20-3 ---------- ROAD CLOSED AHEAD
R11-2 ---------- ROAD CLOSED
M4-8A ---------- END DETOUR
M4-10(RT) ---------- DETOUR RIGHT
M4-10(LT) ---------- DETOUR LEFT
SC3(CA) ---------- DETOUR STRAIGHT

LEGEND

---------- SIGN PLACEMENT
---------- ARTHUR RD WORK LOCATION
---------- LONE TREE RD WORK LOCATION
---------- AVENA RD WORK LOCATION

TYPE OF TRAFFIC CONTROL: TEMPORARY ROAD CLOSURES

PROPOSED WORK SCHEDULE: TO BE DETERMINED

PLAN DRAWN BY: ALBERTO DELGADO
TRAFFIC CONTROL SUPERVISOR
1-800-851-6262
209-522-8913

PLAN PROVIDED BY: SAFETELITE
Construction, Engineering, Safety Supplies & Signs
www.safetelite.com
Sales Rentals Service
1051 N. EMERALD AVE. MODESTO, CA 95351
C31 LICENSED CONTRACTOR
LICENSE NO. 788082

TRAFFIC CONTROL PLAN FOR:
BURLINGTON NORTHERN SANTA FE
RAIL XING IMPROVEMENTS
ARTHUR RD, LONE TREE RD AND AVENA RD
SAN JOAQUIN COUNTY, CA

CONTRACTOR:
T & S INTERMODAL, INC.
P.O. BOX 1592
LINDEN, CA 95236

CONTACT:
SAMMY COX
(916)416-7781
E-MAIL: sammycox@tandsinc.us

PLAN SHEET# TCP 2