



# COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS  
P.O. BOX 1810-1810 E. HAZELTON AVENUE  
STOCKTON, CALIFORNIA 95201  
(209) 468-3000  
FAX # (209) 468-9324

Permit No: **PS-1901063**  
Date Issued: 04/10/2019  
Start Date: 04/17/2019  
Exp. Date: 11/01/2019  
Project No: PWP110005  
Quad: NE

## ENCROACHMENT PERMIT

To: T & S WEST (STEVE MCPEAK)  
P.O. BOX 1592  
LINDEN, CA 95236

### Encroachment Type:

Traffic Control Devices			
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### Location:

BOTH SIDE MARIPOSA RD. & AUSTIN RD.

In compliance with your request of **04/10/2019**, 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\*\*\*\*\*See Attached "Special Conditions"\*\*\*\*\*

FORMS: SS/WW

Est. Permit Fee: \$350.00

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

KRIS BALAJI, Director  
Department of Public Works

By: 

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 located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
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.

April 10, 2019

SPECIAL CONDITIONS FOR  
MARIPOSA RD. & AUSTIN RD.  
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
2. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
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 restrictions in place at least 48 hours in advance.
5. School Buses shall be passed through the work zone with minimal delays.
6. Existing fences shall not be removed without written consent of the property owner. Such consent shall be submitted to the County prior to the removal. Fences removed shall be restored with in-kind or better materials. Restored fences shall not encroach into County right-of-way.
7. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
8. 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.
9. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, and as determined to be necessary by County inspectors, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
10. The contractor shall not conduct construction operations in rain or heavy fog conditions.

FOR ENCROACHMENT PERMIT

OFFICE USE ONLY			
JOB #	110005	REF #	
APN		CR #	
EXP. DATE	11/1/19		
VALID	4/17/19 TO 11/1/19	DRIVEWAYS:	
STREET	MARIPOSA RD. & AUSTIN RD.	*	
AREA	STOCKTON QUAD NE	*	
TYPE	TRAFFIC CONTROL DEVICES	*	
FORMS	SS/WW		
NOTES	"Special Conditions"		

te, construct and/or otherwise encroach on County Highway Right-of-Way on  
RD 2D approximately \_\_\_\_\_ feet/mile \_\_\_\_\_  
 by performing the following work (description of work):  
ON SJC. ROW FOR WORK TO BE

\_\_\_\_\_ for approximately 6 MONTHS days.

ctive property, or am qualified to represent the owner and agree to do the  
 gulations of San Joaquin County and subject to inspection and approval.

1A6E2

4/4/19  
Date

## **GENERAL PROVISIONS**

### **GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY**

#### **PUBLIC CONVENIENCE AND SAFETY:**

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
  - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
  - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
    - a. The County of San Joaquin Public Works Department
    - b. The County of San Joaquin Sheriff's Office
    - c. The local postal service
    - d. The local fire district
    - e. The local school district
    - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

#### **STRUCTURES:**

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
  - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
  - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
  - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1:06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

#### **REPAIRS OF THE COUNTY RIGHT-OF-WAY:**

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
  - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
  - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
  - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
  - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.



## SPECIAL PROVISIONS

### Winter Weather Utility Work

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1. **SUPERVISION:** The utility company (**permittee**) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.

DESIGN COUNTY ROUTE POST MILES TOTAL SHEET NO. OF SHEETS

REGISTERED CIVIL ENGINEER

May 20, 2011

PLANS APPROVAL DATE: 11/1/2010

OF THESE SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS OR FOR THE CONSEQUENCES OF THEIR USE.

DATE OF THIS PLAN SHEET: 11/1/2010

PROJECT NO. 06597

DATE OF THIS PLAN SHEET: 11/1/2010

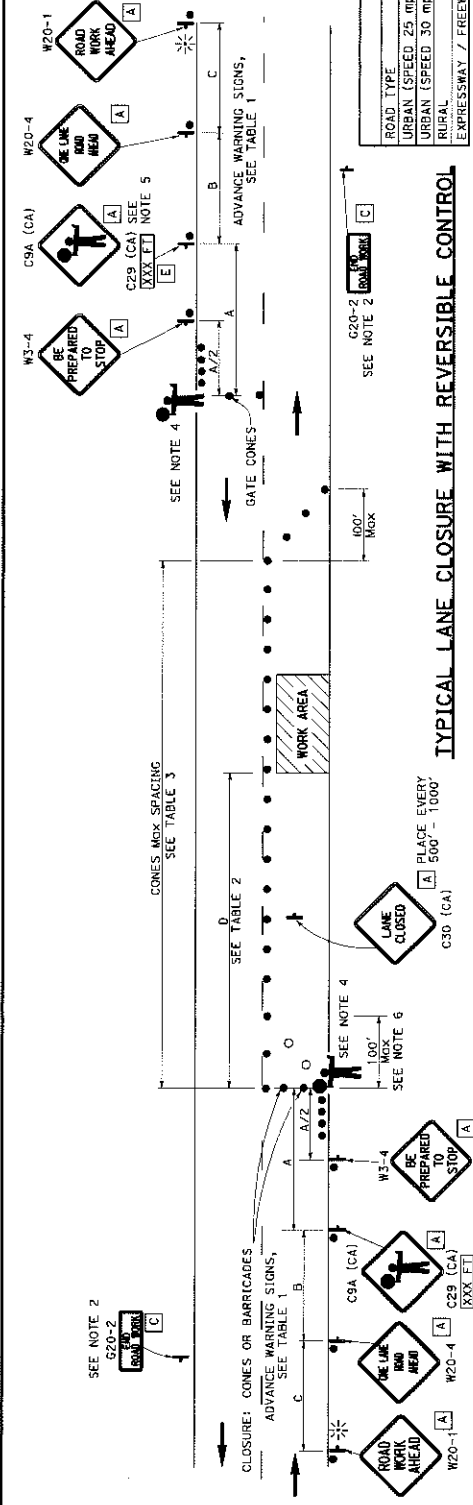


TABLE 2

APPROACH SPEED	MIN D	MIN D x
30	200	200
35	250	250
40	300	300
45	350	350
50	400	400
55	450	450
60	500	500
65	550	550
70	600	600
75	650	650
80	700	700
85	750	750
90	800	800
95	850	850
100	900	900

\* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

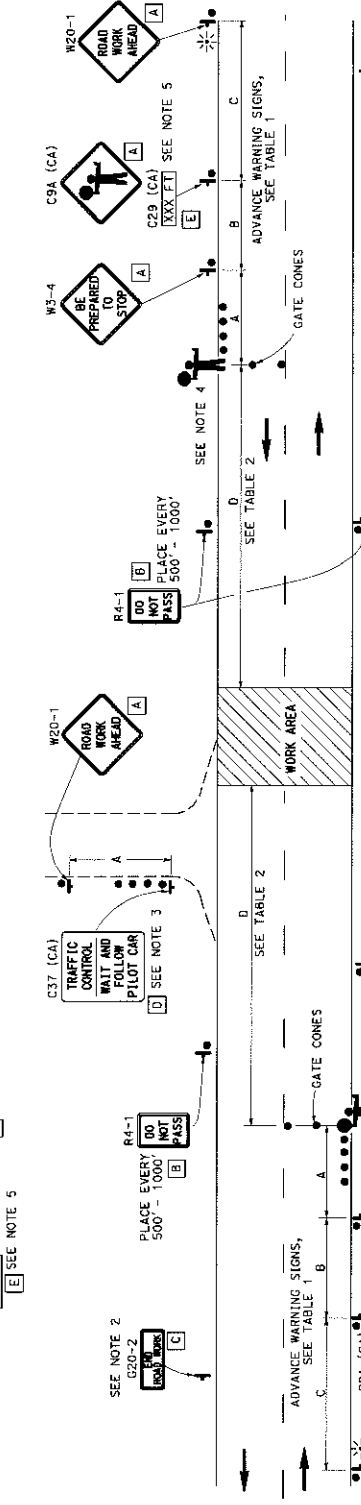


TABLE 3

CONES MAX SPACING	ft
20 mph	20
25 mph	25
30 mph	30
35 mph	35
40 mph	40
45 mph	45
50 mph	50
55 mph	55
60 mph	60
65 mph	65

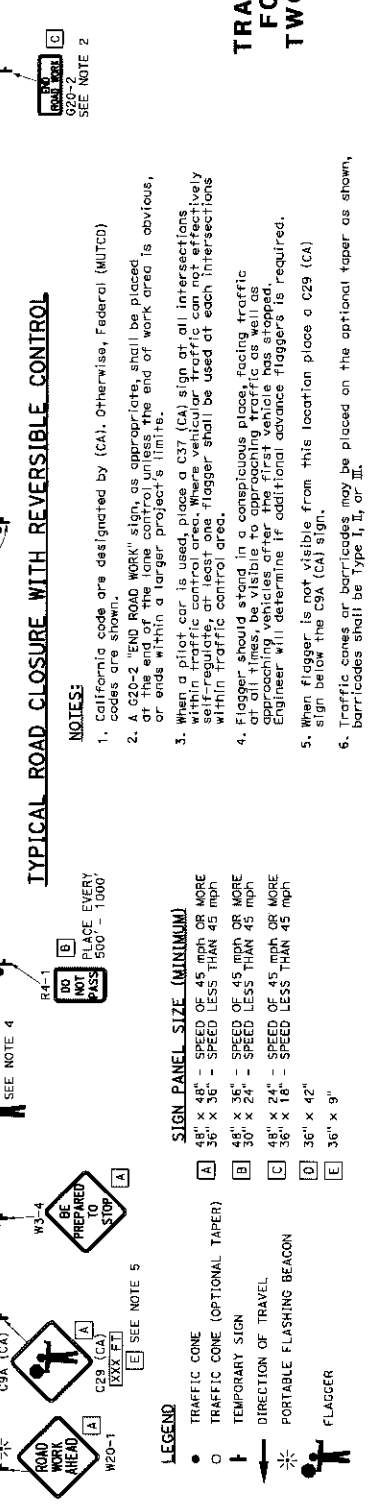


TABLE 4

CONES MAX SPACING	ft
20 mph	20
25 mph	25
30 mph	30
35 mph	35
40 mph	40
45 mph	45
50 mph	50
55 mph	55
60 mph	60
65 mph	65

# TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

T13

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

## NOTES:

1. California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.
2. A C20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure and the end of work area is obvious, or ends within a larger project's limits.
3. When a pilot car is used, place a C37 (CA) sign at all intersections with traffic. The pilot car shall be visible to approaching vehicles within traffic control area.
4. Flaggers should stand in a conspicuous place, facing traffic at all times, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. Engineer will determine if additional advance flaggers is required.
5. When flagger is not visible from this location place a C29 (CA) sign below the C9A (CA) sign.
6. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

## SIGN PANEL SIZE (MINIMUM)

- |           |                         |   |
|-----------|-------------------------|---|
| 36" x 48" | SPEED OF 45 mph OR MORE | A |
| 36" x 36" | SPEED LESS THAN 45 mph  | B |
| 48" x 36" | SPEED OF 45 mph OR MORE | B |
| 30" x 24" | SPEED LESS THAN 45 mph  | C |
| 48" x 24" | SPEED OF 45 mph OR MORE | C |
| 36" x 18" | SPEED LESS THAN 45 mph  | D |
| 36" x 42" |                         | E |
| 36" x 9"  |                         | E |

## LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ↑ TEMPORARY SIGN
- DIRECTION OF TRAVEL
- ⚡ PORTABLE FLASHING BEACON
- ⚡ FLAGGER

COUNTY OF SAN JOAQUIN  
DEPARTMENT OF PUBLIC WORKS  
STOCKTON, CALIFORNIA

ROADWAY REHAB PLAN  
(Mariposa Road, Austin Road & Burnham Road)

To Be Supplemented by CalTrans Standard Plans Dated 2010  
& City of Stockton Standard Plans Dated 2016  
& Specifications & County Improvement Standards Dated 2014

INDEX OF SHEETS

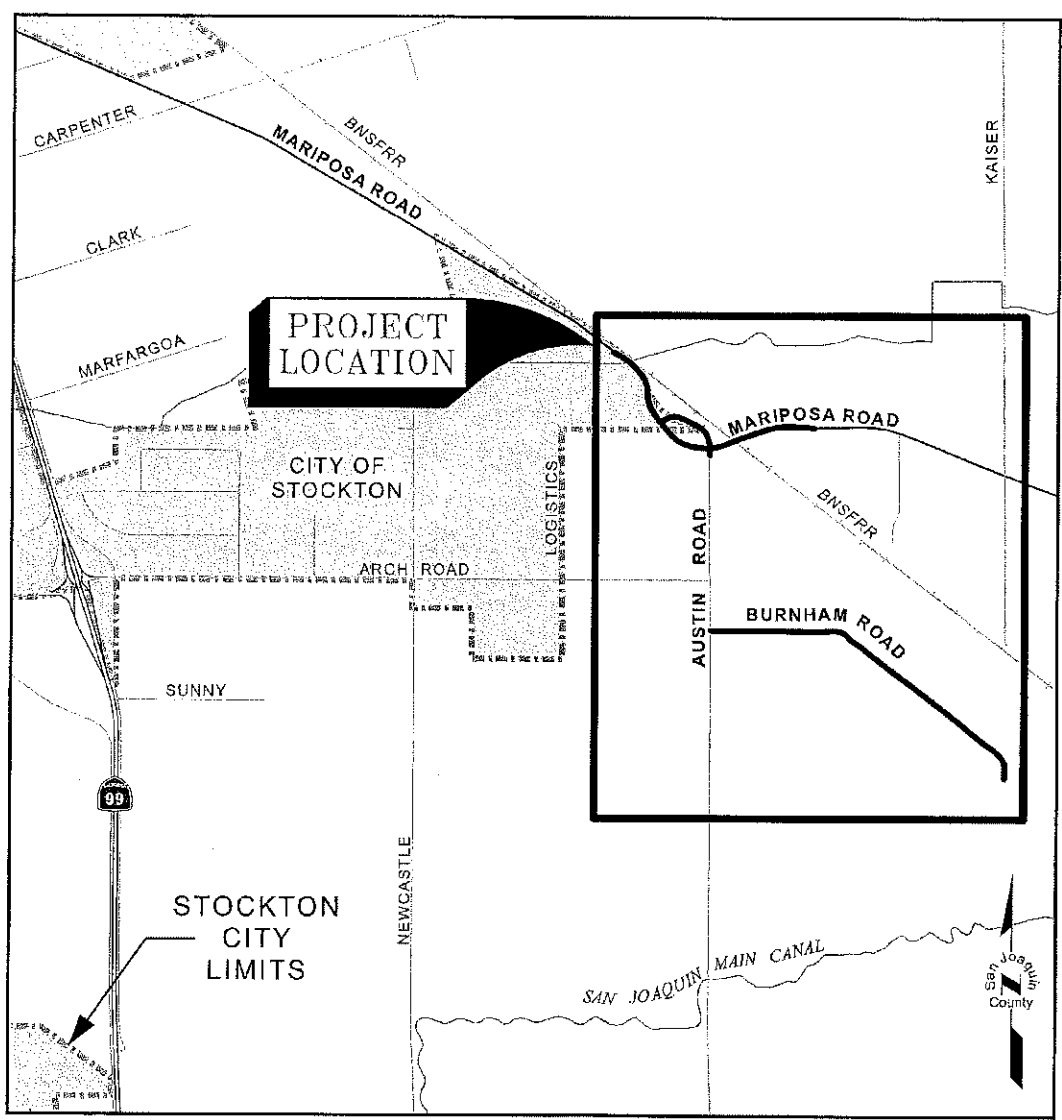
Sheet No. 1	TITLE PAGE
Sheet No. 2-4	MARIPOSA ROAD
Sheet No. 5	AUSTIN ROAD
Sheet No. 6	MARIPOSA ROAD & AUSTIN ROAD INTERSECTION
Sheet No. 7	BURNHAM ROAD
Sheet No. 8	REPAIR DETAILS

NOTES:

1. San Joaquin County and City of Stockton shall inspect and approve their respective work prior to acceptance.
2. San Joaquin County and City of Stockton shall be notified a minimum of 30 days prior to start of construction.

ABBREVIATIONS

- HMA = Hot Melt Asphalt  
EP = Edge of Pavement  
MBGR = Metal Beam Guard Rail  
ETW = Edge of Traveled Way  
Sta = Station  
CL = Construction Center Line



PROJECT LOCATION MAP

NO SCALE



ACAD FILE NAME  
E:\PROJECTS\2015\DW - Mariposa Road Grade Separation  
Rehab\Plans\MARIPOSA Road Rehab Plans 7-5-17.dwg






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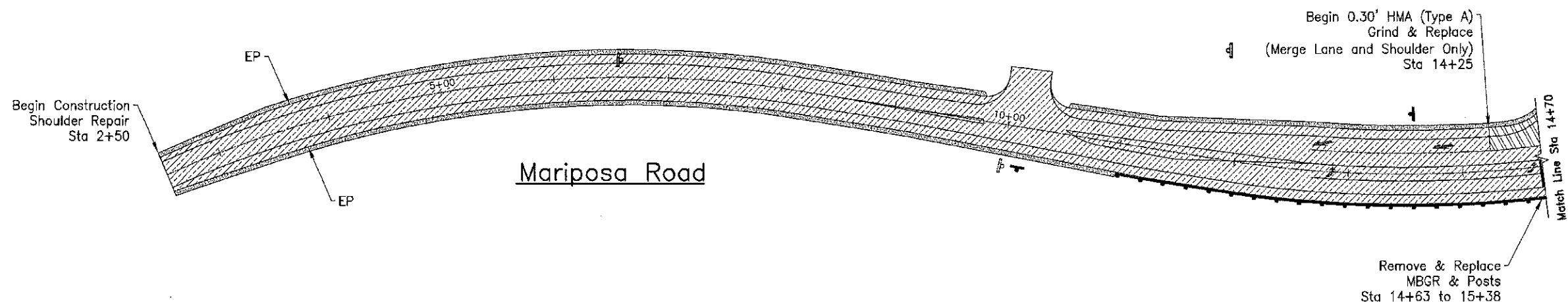
PROJECT ENGINEER	DATE	CHECKED	DATE	APPROVED	DATE
<i>Cyprus Sommer</i>	7-5-17	<i>David Wang</i>	7-5-17	<i>David Mendoza</i>	7-5-17

**NOTES:**

1. Grind and Replace 0.30' HMA (Type A) of westbound merge lane and HMA Shoulder beginning at 14+25, and avoiding Traffic Signal Detector Loop and Hand Hole. 0.30' HMA (Type A) Overlay must be placed in two (2) layers of approximately equal thickness with Geosynthetic Pavement Interlayer (Paving Fabric) placed on the existing prepared HMA surface.
2. Repair HMA pavement (0.50' deep). See Sheet No. 8 for detail locations. Seal all longitudinal, transverse, and block cracks with hot applied treatment material, from EP to EP. Consider surface patch, with HMA (Type A), for large cracks (> 1"). Following Pavement Repair and Crack Seal, apply Fog Seal from EP to EP.
3. Repair Gravel Shoulders to a minimum of 6' from EP. Fill in potholes, edge ruts, and drop offs with Shoulder Backing material, and compact to 95% relative compaction. Slope must not exceed 8%.
4. Remove and replace MBGR and Posts as shown on the plan. Align and secure any MBGR spacing blocks within project limits that have moved out of position.
5. Replace existing striping, pavement markings and pavement markers. Thermoplastic must be used for all striping and pavement markings. Thermoplastic to be placed per attached State Standard specifications. All Pavement Markers must be plastic shell high abrasion.
6. Refurnish Roadside Signs. See Sheet No. 8 for sign locations and specifications.
7. Preserve all Monuments and any other Frame and Covers within Project Limits.

**LEGEND:**

-  Grind and Replace 0.30' HMA (Type A)
-  Crack Seal HMA and Apply Fog Seal
-  Repair Gravel Shoulder
-  Roadside Signs to be Replaced
-  Existing Roadside Signs to Remain



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Rehab\Plans\MARIPOSA Road Rehab Plans 7-5-17.dwg

S.P. DRAWER FILE NO.

**COUNTY OF SAN JOAQUIN**

NO SCALE

**ROADWAY REHAB PLAN**

**Mariposa Road**  
(Sta 2+50 to Sta 14+70)

Sheet No.  
2 of 8




DRAWN BY	DATE	PROJECT ENGINEER	DATE
<i>Cyprus Sommer</i>	5-17-17	<i>Cyprus Sommer</i>	5-17-17

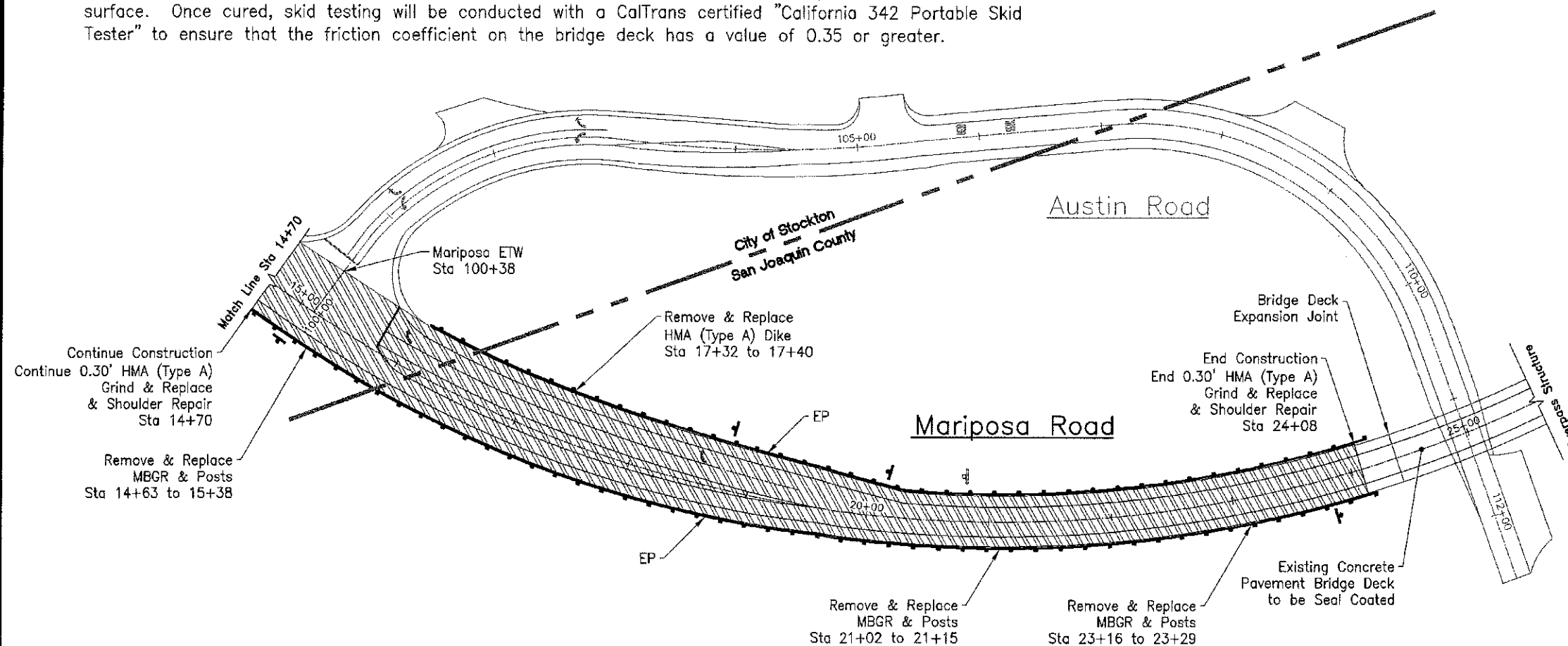


# NOTES:

1. Grind and Replace 0.30' HMA (Type A) for entire width of roadway (EP to EP). 0.30' HMA (Type A) Overlay must be placed in two (2) layers of approximately equal thickness with Geosynthetic Pavement Interlayer (Paving Fabric) placed on the existing prepared HMA surface.
2. Remove and replace MBGR, Posts, and HMA (Type A) Dike as shown on the layout. Align and secure any MBGR spacing blocks within project limits that have moved out of position.
5. Replace existing striping, pavement markings and pavement markers. Thermoplastic must be used for all striping and pavement markings. Thermoplastic to be placed per attached State Standard specifications. All Pavement Markers must be plastic shell high abrasion.
6. Refurnish Roadside Signs. See Sheet No. 8 for sign locations and specifications.
7. The existing Concrete Bridge deck must be cleaned by abrasive blasting, sweeping and blowing with high pressure air, in order to provide a clean surface for the application of the sealing material (Methacrylate Resin). Seal the bridge deck by flooding it with Methacrylate Resin and using large squeegees or brooms to spread the resin evenly. Allow at least 20 minutes of penetration time so that the sealing material soaks into the cracks. Once the resin becomes tacky, spread sand over the sealed area to provide a skid resistant surface. Once cured, skid testing will be conducted with a CalTrans certified "California 342 Portable Skid Tester" to ensure that the friction coefficient on the bridge deck has a value of 0.35 or greater.

## LEGEND:

-  Grind and Replace 0.30' HMA (Type A)
-  Roadside Signs to be Replaced
-  Existing Roadside Signs to Remain



COUNTY OF SAN JOAQUIN

NO SCALE

ROADWAY REHAB PLAN

Mariposa Road  
(Sta 14+70 to Road Grade Separation)

Sheet No.  
3 of 8

DRAWN BY	DATE	PROJECT ENGINEER	DATE
<i>Pyprus Sommer</i>	5-17-17	<i>Pyprus Sommer</i>	5-17-17




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Rehab\Plans\MARIPOSA Road Rehab Plans 7-5-17.dwg

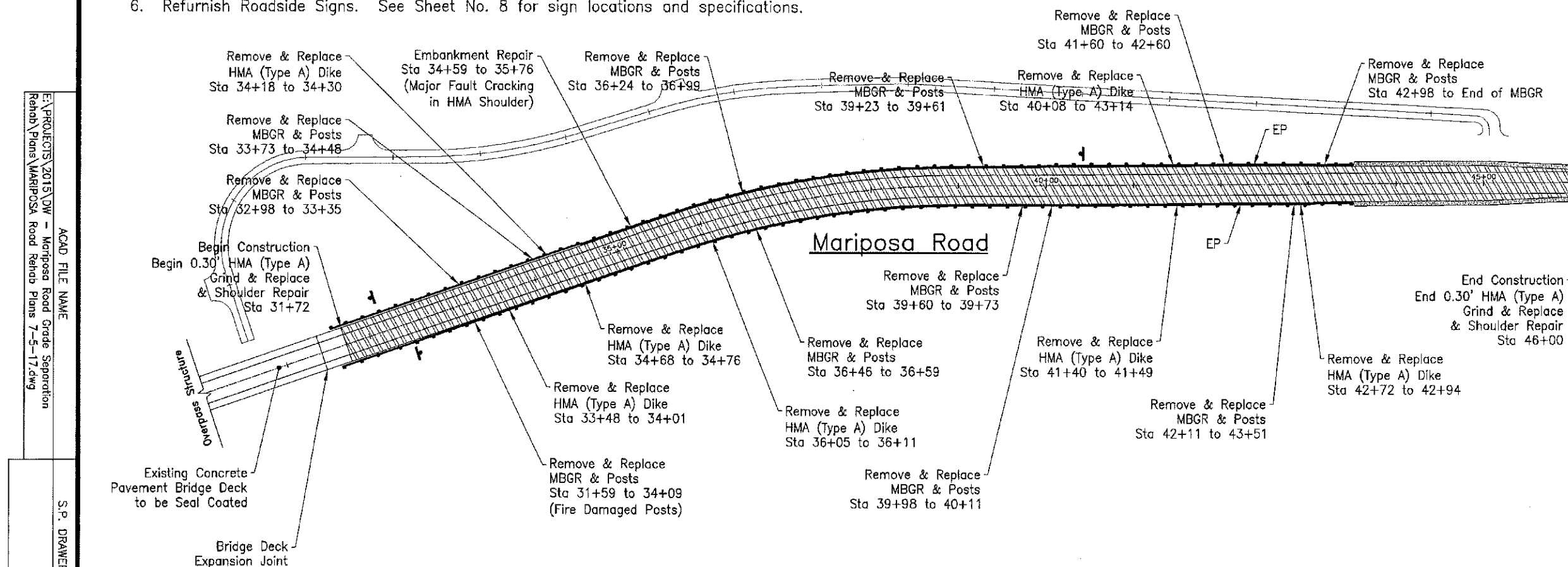
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# NOTES:

1. Grind and Replace 0.30' HMA (Type A) for entire width of roadway (EP to EP). 0.30' HMA (Type A) Overlay must be placed in two (2) layers of approximately equal thickness with Geosynthetic Pavement Interlayer (Paving Fabric) placed on the existing prepared HMA surface.
2. Repair Gravel Shoulders to a minimum of 6' from EP. Fill in potholes, edge ruts, and drop offs with Shoulder Backing material, and compact to 95% relative compaction. Slope must not exceed 8%.
3. Remove and replace MBGR, Posts, and HMA (Type A) Dike as shown on the layout. Align and secure any MBGR spacing blocks within project limits that have moved out of position.
4. Repair major fault cracking on HMA Shoulder adjacent to apparent Embankment Failure. See layout for location. Do not remove supporting vegetation on hillside, unless the proposed repair method will more than compensate for the loss of support.
5. Replace existing striping, pavement markings and pavement markers. Thermoplastic must be used for all striping and pavement markings. Thermoplastic to be placed per attached State Standard specifications. All Pavement Markers must be plastic shell high abrasion.
6. Return Roadside Signs. See Sheet No. 8 for sign locations and specifications.

## LEGEND:

-  Grind and Replace 0.30' HMA (Type A)
-  Repair Gravel Shoulder
-  Roadside Signs to be Replaced



COUNTY OF SAN JOAQUIN

NO SCALE

ROADWAY REHAB PLAN

Mariposa Road  
(Road Grade Separation to Sta 46+00)







Sheet No.  
4 of 8

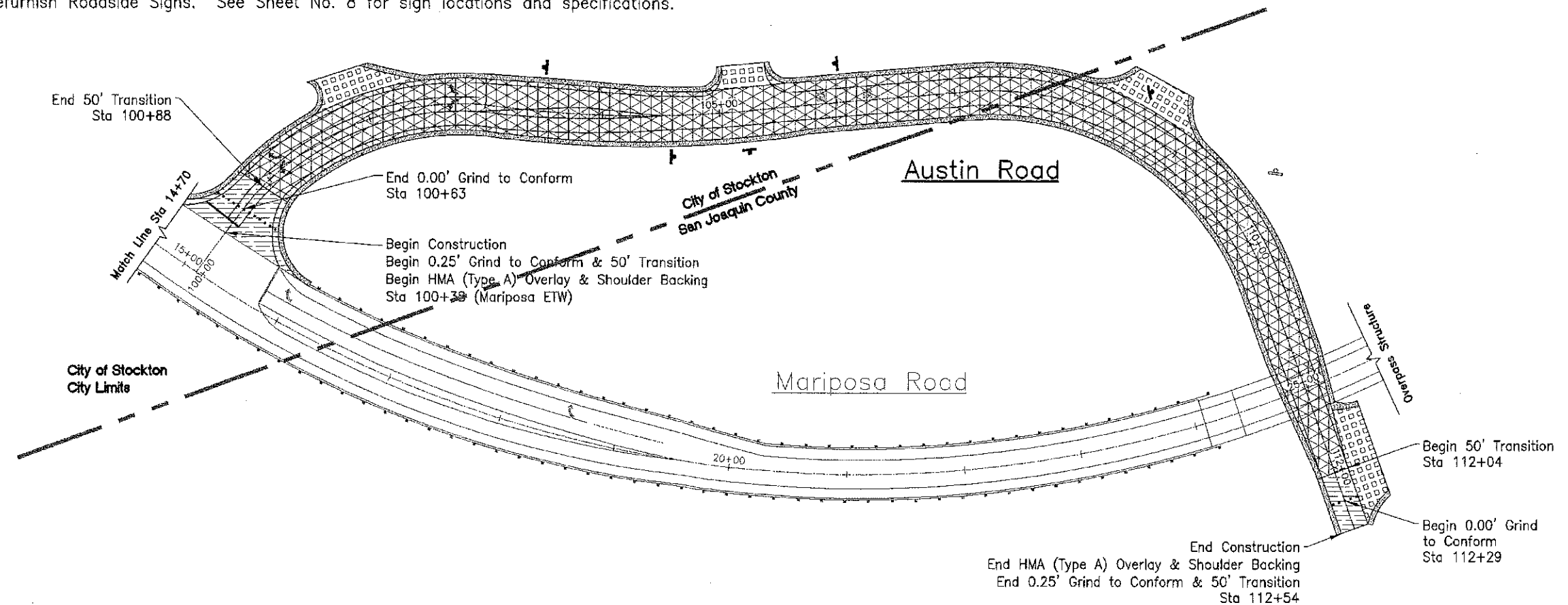
DRAWN BY	DATE	PROJECT ENGINEER	DATE
<i>Cyrus Sommer</i>	5-17-17	<i>Cyrus Sommer</i>	5-17-17

**NOTES:**

1. Repair HMA pavement (0.50' deep). See Sheet No. 8 for detail locations.
2. Seal all longitudinal, transverse, and block cracks in travel lanes and HMA Shoulders with hot applied treatment material. Consider surface patch, with HMA (Type A), for large cracks (> 1").
3. Place 0.25' HMA (Type A) Overlay, with Geosynthetic Pavement Interlayer (Paving Fabric) placed on the existing prepared surface. Placement of HMA (Type A) Overlay must not begin until the HMA used in Pavement Repair has been in place for a minimum of 18 hours. Adjust all Frame and Covers to grade.
4. Replace Traffic Signal Detector Loops and Hand Holes.
5. Place HMA (Type A) Driveways. Slope must not exceed 10%.
6. Place Shoulder Backing material minimum 6' wide, on both sides of roadway, and compact to 95% relative compaction. Slope must not exceed 8%. Shoulder Backing material at all intersection radii must receive Penetration Treatment at 0.25 gallon per square yard. Limits of Penetration Treatment work must be confined to intersection radii plus fifty feet (50') in each direction or to the intersection conform.
5. Replace existing striping, pavement markings and pavement markers. Thermoplastic must be used for all striping and pavement markings. Thermoplastic to be placed per attached State Standard specifications. All Pavement Markers must be plastic shell high abrasion.
6. Refurnish Roadside Signs. See Sheet No. 8 for sign locations and specifications.

**LEGEND:**

-  Place 0.25' HMA (Type A) Overlay
-  Place Shoulder Backing
-  HMA (Type A) Driveway
-  Variable Depth HMA (Type A) Overlay
-  Roadside Signs to be Replaced
-  Existing Roadside Signs to Remain



**COUNTY OF SAN JOAQUIN**

**NO SCALE**

**ROADWAY REHAB PLAN**

**Austin Road**  
(Sta 100+38 to Sta 112+54)

Sheet No.  
5 of 8

DRAWN BY	DATE	PROJECT ENGINEER	DATE
<i>Pyprus Sommer</i>	5-17-17	<i>Pyprus Sommer</i>	5-17-17






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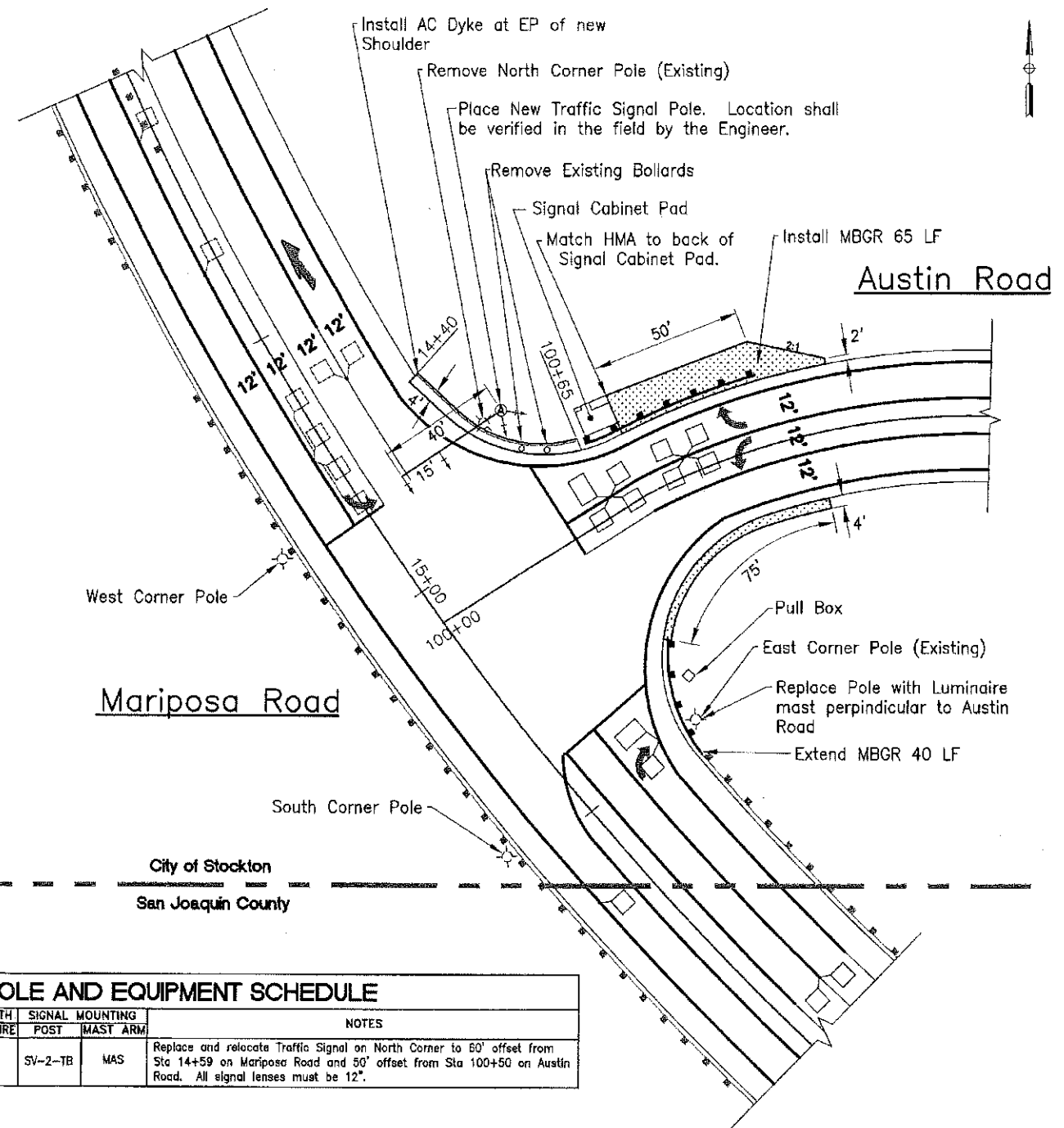
# NOTES:

1. Extend MBGR 40 LF on East Corner.
2. Install new #10 Street Light wires between the East Corner Pole and Pull Box.
3. Replace Existing "No Pedestrian Crossing" (R9-3) signs on the North, West and South Corner Poles.
4. Install three (3) "No Pedestrian Crossing" (R9-3) signs. One (1), on the North Corner Pole, facing the East Corner Pole. One (1), on the East Corner Pole, facing the North Corner Pole. One (1), on the East Corner Pole, facing the South Corner Pole.
5. Install approximately 14' Wide HMA (Type A), adjacent to EP, from Signal Cabinet Pad to 50' East of Signal Cabinet Pad, and taper as shown.
6. Install 4' Wide HMA (Type A), adjacent to EP, from end of new MBGR to 75' North of new MBGR on East corner.
7. Install 4' Wide HMA (Type A), adjacent to EP from Sta 14+40 on Mariposa Road to Sta 100+65 on Austin Road (North corner).
8. Replace the West Corner Pole Street Light mast arm in SE orientation. New mast arm must be oriented perpendicular to the Mariposa Road ETW.
9. Paint Street Light number (26895) on the East Corner Pole. Secure Base Cover.
10. Remove/trim vegetation and weeds on North and East corners.
11. Replace East Corner Pole and mast arm so that the mast arm is perpendicular to Austin Road.
12. Remove two (2) Bollards on North corner.
13. Replace all street Luminaires with 200 Watt LED equivalent (87W) LEOTEK ECobra-headLED Luminaire (Part Number EC3-10M-MV-NW-2-GY-700-WL) and Sunrise Technology Photocell (Part Number S124-1.5-ST).
14. Install Approximately 65 LF of MBGR on North Corner as shown.
15. Replace street name sign on the West Corner Pole signal mast arm.
16. Replace Traffic Signal Detector Loops and Hand Holes.
17. Replace West bound W4-2(merge) sign to updated MUTCD 2014 Standards (36"x 36").
18. Remove Existing TS cabinet and controller and replace with new cabinet and controller in accordance with attached specifications.
19. Replace existing striping, pavement markings and pavement markers. Thermoplastic must be used for all striping and pavement markings. Thermoplastic to be placed per attached State Standard specifications. All Pavement Markers must be plastic shell high abrasion.
20. Repair any damaged MBGR of south side of intersection.
21. Remove existing North Corner Pole and replace with New Traffic Signal as per POLE AND EQUIPMENT SCHEDULE (see below).
22. Install New AC Dyke At the EP of new Paved Shoulder on the North West Corner

## LEGEND:

-  Place 0.50' HMA (Type A) over 0.50' AB (Class 2)
-  Signal/Street Light Pole (existing)
-  Traffic Signal Detector Loops and Hand Holes to be replaced
-  Traffic Signal Detector Loops and Hand Holes to remain
-  Traffic Signal

POLE AND EQUIPMENT SCHEDULE					
LOCATION	POLE TYPE	MAST ARM LENGTH		SIGNAL MOUNTING	
		SIGNAL	LUMINAIRE	POST	MAST ARM
①	24-4-100	40'	15'	SV-2-TB	MAS
Replace and relocate Traffic Signal on North Corner to 60' offset from Sta 14+59 on Mariposa Road and 50' offset from Sta 100+50 on Austin Road. All signal lenses must be 12".					



COUNTY OF SAN JOAQUIN

NO SCALE

ROADWAY REHAB PLAN

Mariposa Road & Austin Road Intersection

Sheet No.  
6 of 8

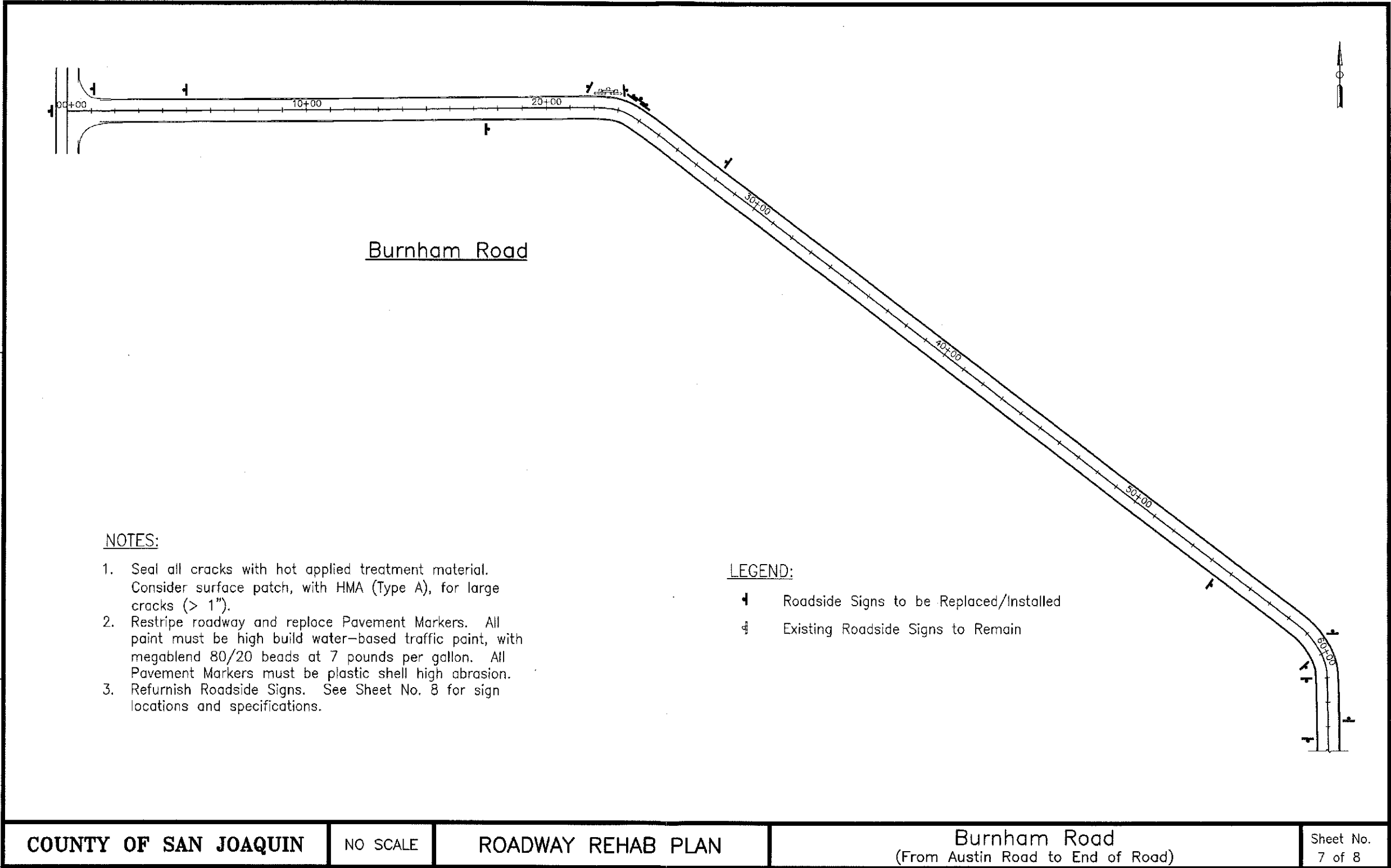
DRAWN BY	DATE	PROJECT ENGINEER	DATE
Cyrus G. / Sergio G.	7-5-17	Cyrus Sommer	7-5-17



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S.P. DRAWER FILE NO.

Roadside Signs					
Mariposa Road Signs					
No.	Station	Left	Right	Designation (dimensions)	Notes
1	10+13		X	W1-7 (24"x48") & OM1-3 (24"x24")	Replace
2	13+60	X		W4-2	Replace (City of Stockton item)
3	14+60	X		R9-3	Replace on Signal Pole (City of Stockton item) Install additional sign (see Note #4 on Sheet 6)
4	14+64		X	Street Name Sign Assembly	Replace on Signal mast arm (City of Stockton item)
5	14+64		X	R9-3	Replace on Signal Pole (City of Stockton item)
6	15+00		X	W1-7 (24"x48") & OM1-3 (24"x24")	Replace
7	15+86		X	R9-3	Replace on Signal Pole (City of Stockton item)
8	16+00	X		R9-3 (x2)	Install on Signal Pole (City of Stockton item) (see Note #4 on Sheet 6)
9	18+80	X		R81-3.1 (30"x30")	Replace
10	20+10	X		W2-2 (30"x30") & W16-8(P) (8"x30")	Install (Missing)
11	23+80		X	W1-2(L) (30"x30") & W13-1(50) (24"x24")	Replace W1-2a
12	32+20	X		W1-4(R) (30"x30") & W13-1(50) (24"x24")	Replace
13	32+45		X	W1-2(R) (30"x30") & W13-1(50) (24"x24")	Replace
14	40+40	X		W1-2(L) (30"x30") & W13-1(50) (24"x24")	Replace
Austin Road Signs					
No.	Station	Left	Right	Designation (dimensions)	Notes
1	103+50	X		R61-19	Replace
2	104+58		X	W1-1(R) (30"x30") & W13-1(15) (24"x24")	Replace
3	105+25		X	W1-7 (24"x48") & OM1-3 (24"x24")	Replace
4	106+00	X		W3-3	Replace/Install
1	108+50	X		W1-6(R) (24"x48") & OM1-3 (24"x24")	Replace
Burnham Road Signs					
No.	Location	Left	Right	Designation (dimensions)	Notes
1	00+20	N/A	N/A	W1-7 (24"x48") & OM1-3 (24"x24")	Replace (W side of Austin @ Burnham)
2	01+13	X		R1-1 & Street Name Sign Assembly	Replace
3	05+00	X		W3-1 (36"x36")	Install
4	17+50		X	W1-1(R) (30"x30") & W13-1(30) (24"x24")	Install
5	21+75	X		W1-6(L) (24"x48") & OM1-3 (24"x24")	Install
6	23+00	X		W1-6(R) (24"x48") & OM1-3 (24"x24")	Install
7	23+20	X		W1-8(R)	Replace
8	23+40	X		W1-8(R)	Replace
9	23+60	X		W1-8(R)	Replace
10	28+00	X		W1-1(L) (30"x30") & W13-1(30) (24"x24")	Install
11	54+50		X	W1-1(R) (30"x30") & W13-1(25) (24"x24")	Install
12	59+60	X		W1-6(L) (24"x48") & OM1-3 (24"x24")	Install
13	60+00		X	W1-6(R) (24"x48") & OM1-3 (24"x24")	Install
14	61+00		X	W31a(ca)(200') (30"x30")	Install
15	62+75	X		W1-1(L) (30"x30") & W13-1(25) (24"x24")	Install
16	63+50		X	"End County Maintained Road" (30"x30")	Install

Notes: All signs must have Retroreflective sheeting.  
All posts shall be 2" square perforated posts, with 30" anchors.

Mariposa Road 6" Pavement Repair								
No.	Station		Street Side		Offset from CL (Ft)	Width (LF)	Length (LF)	Quantity (SQYD)
	Begin	End	Left	Right				
1	7+74	7+83	x		2	4	9	4.0
2	7+44	8+06		x	3	4	62	27.6
3	8+29	8+33	x		2	4	4	1.8
4	8+85	8+91	x		8	4	6	2.7
5	8+63	8+86		x	4	4	23	10.2
6	9+31	9+39	x		10	4	8	3.6
7	9+08	9+37		x	8	6	29	19.3
8	9+42	10+13		x	3	4	71	31.6
9	9+42	10+13		x	10	4	71	31.6

Austin Road 6" Depth Pavement Repair								
No.	Station		Street Side		Offset from CL (Ft)	Width (LF)	Length (LF)	Quantity (SQYD)
	Begin	End	Left	Right				
1	101+51	101+62	x		10	4	11	4.9
2	102+02	102+22		x	3	6	20	13.3
3	102+20	102+31		x	9	4	11	4.9
4	102+27	103+50	x		12	6	123	82.0
5	102+83	103+11	x		4	4	28	12.4
6	102+85	103+84		x	3	6	69	46.0
7	103+13	103+42		x	9	6	29	19.3
8	104+23	105+79		x	9	6	156	104.0
9	104+32	104+63		x	3	6	31	20.7
10	104+32	105+03	x		8	6	71	47.3
11	104+70	104+77	x		10	4	7	3.1
12	104+87	104+95		x	3	4	8	3.6
13	104+97	105+46	x		9	4	49	21.8
14	105+14	105+38		x	3	6	24	16.0
15	105+32	105+57	x		5	6	25	16.7
16	105+47	105+84		x	3	4	17	7.6
17	105+75	106+14	x		3	4	39	17.3
18	106+00	106+67		x	6	12	67	89.3
19	107+35	107+62	x		2	4	27	12.0
20	107+72	107+77	x		8	6	5	3.3
21	107+97	108+48		x	6	8	51	45.3
22	108+04	108+15	x		6	4	11	4.9
23	108+54	108+65	x		8	6	11	7.3
24	108+58	108+70		x	7	4	12	5.3
25	108+84	108+97	x		7	4	13	5.8
26	111+66	112+36	x		3	4	70	31.1
27	111+93	112+16		x	6	12	23	30.7
28	111+95	112+16	x		9	4	21	9.3

COUNTY OF SAN JOAQUIN

NO SCALE

ROADWAY REHAB PLAN

REPAIR DETAILS

Sheet No.  
8 of 8

DRAWN BY	DATE	PROJECT ENGINEER	DATE
<i>Eyprus Sommer</i>	5-17-17	<i>Eyprus Sommer</i>	5-17-17