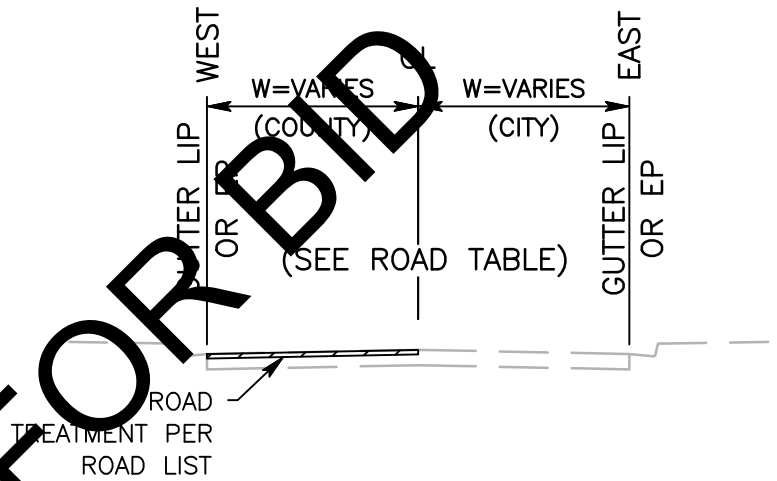
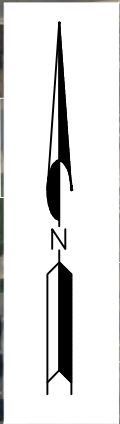




MERRILL BLVD

POPLAR AVE

RANDALL AVE



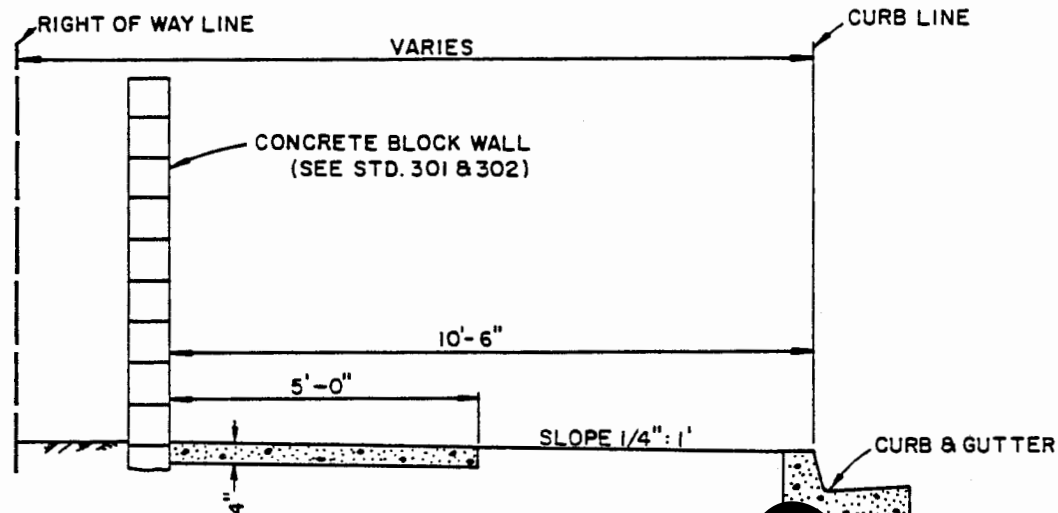
TYPICAL SECTION

NTS

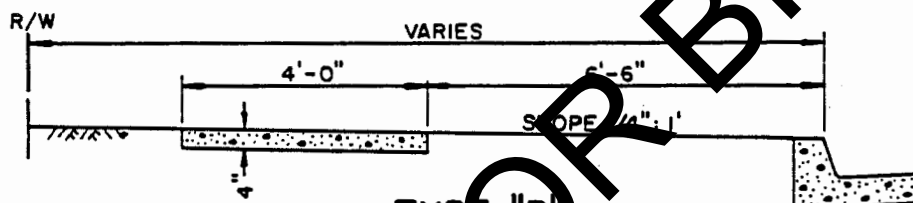
CONSTRUCTION LEGEND

 ROAD TREATMENT AND LIMITS PER ROAD LIST

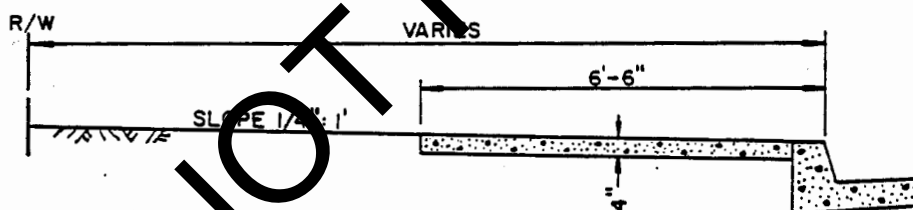
SAN BERNARDINO COUNTY TRANS. DEPT.		ROAD REPAIR SCHEMATIC POPLAR AVENUE	SHEET 72 OF 72
	DESIGN DIVISION		



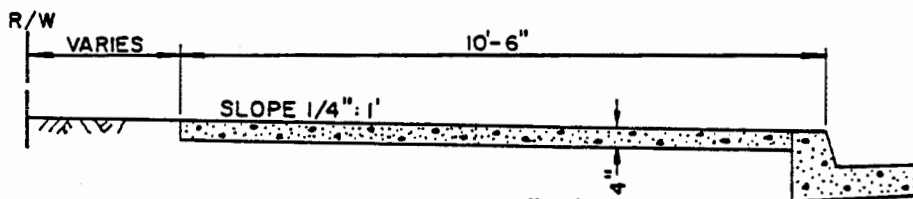
TYPE "A"



TYPE "B"



TYPE "C"



TYPE "D"

1. TYPE "C" SIDEWALKS ADJACENT TO CURB SHALL ONLY BE USED ON LOCAL AND COLLECTOR STREETS AND ONLY UPON APPROVAL OF THE TRANSPORTATION DEPT.
2. SIDEWALK SHALL BE CONSTRUCTED OF CLASS "B" CONCRETE.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED ON 10' SPACING.
4. SCORING SIDEWALK WILL BE PERMITTED.
5. IN EXPANSIVE SOIL AREAS, REFER TO SECTION 73 OF THE COUNTY SPECIFICATIONS.

San Bernardino County Transportation Department

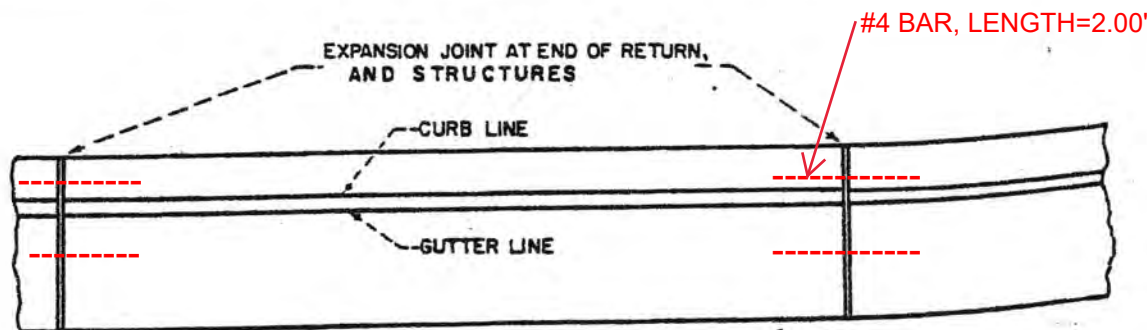
APP. MAR. 1975

John R. Shone

DIRECTOR OF TRANSPORTATION

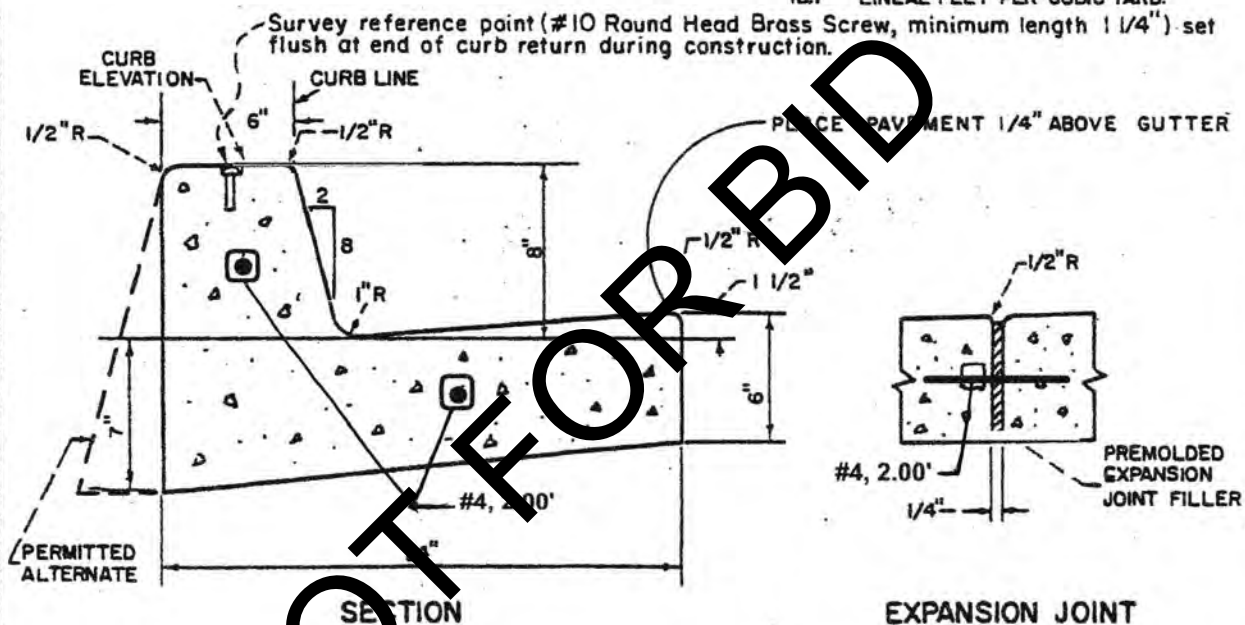
SIDEWALK

109



PLAN

0.0535 CUBIC YARDS PER LINEAL FOOT.
18.7 LINEAL FEET PER CUBIC YARD.



NOTES:

1. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF CLASS "B" CONCRETE.
2. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.

MINOR

(MODIFIED)

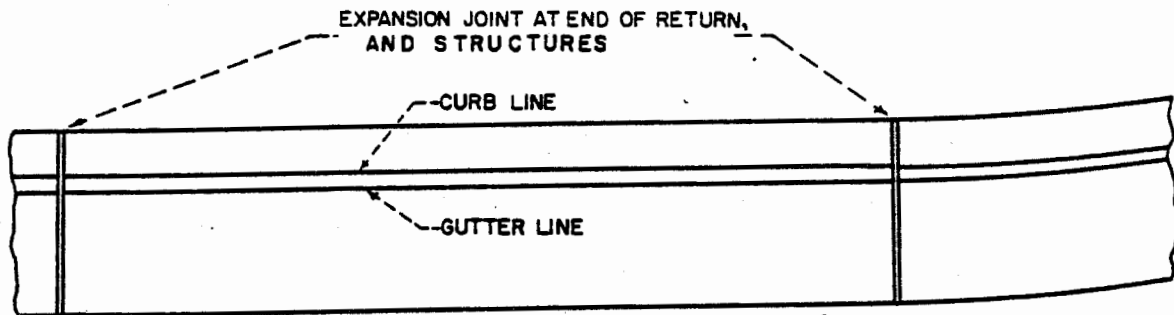
SAN BERNARDINO COUNTY ROAD DEPARTMENT

REV. V.E.H. 3-74
REV. V.E.H. 7-76
Rev. V.E.H. 2-79

John R. Shone
COUNTY HIGHWAY ENGINEER

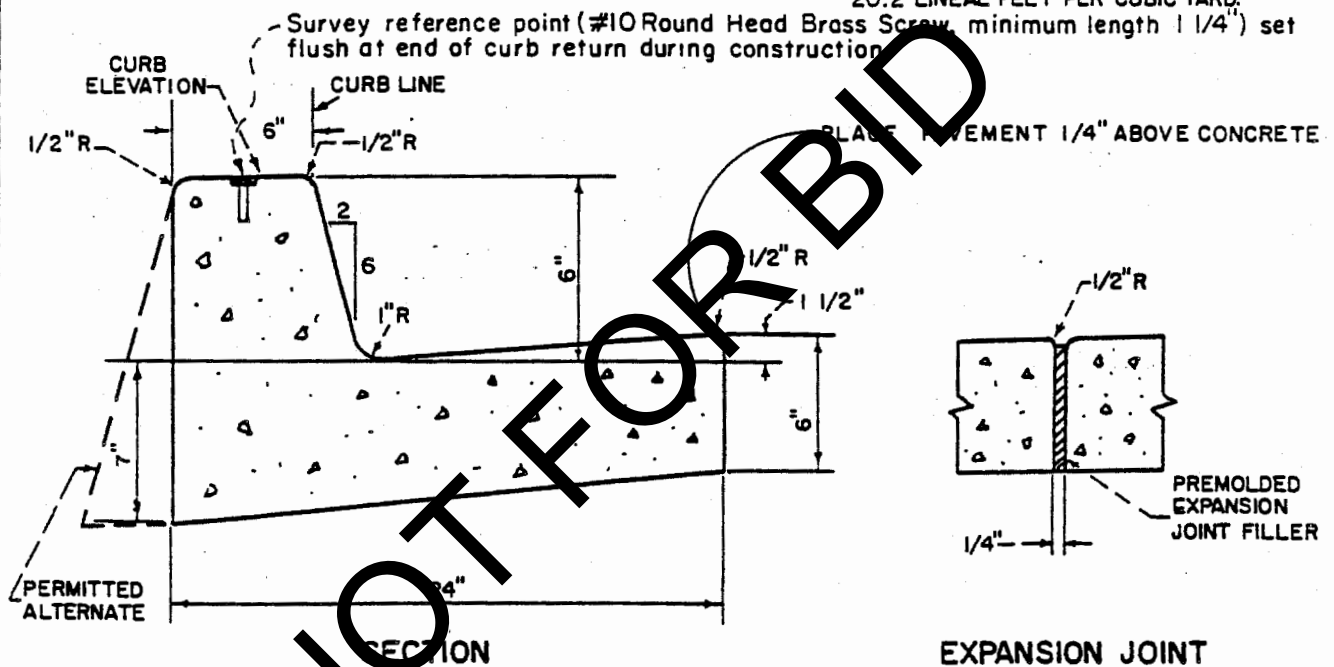
8"
CURB AND GUTTER

115



PLAN

0.0495 CUBIC YARDS PER LINEAL FOOT.
20.2 LINEAL FEET PER CUBIC YARD.



EXPANSION JOINT

NOTES:

1. 6" CURB SHALL ONLY BE USED ON LOCAL STREETS WHERE DRAINAGE PERMITS.
2. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF ~~CLASS "B"~~ ^{MINOR} CONCRETE.
3. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
4. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
5. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
6. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.

SAN BERNARDINO COUNTY TRANS. DEPARTMENT

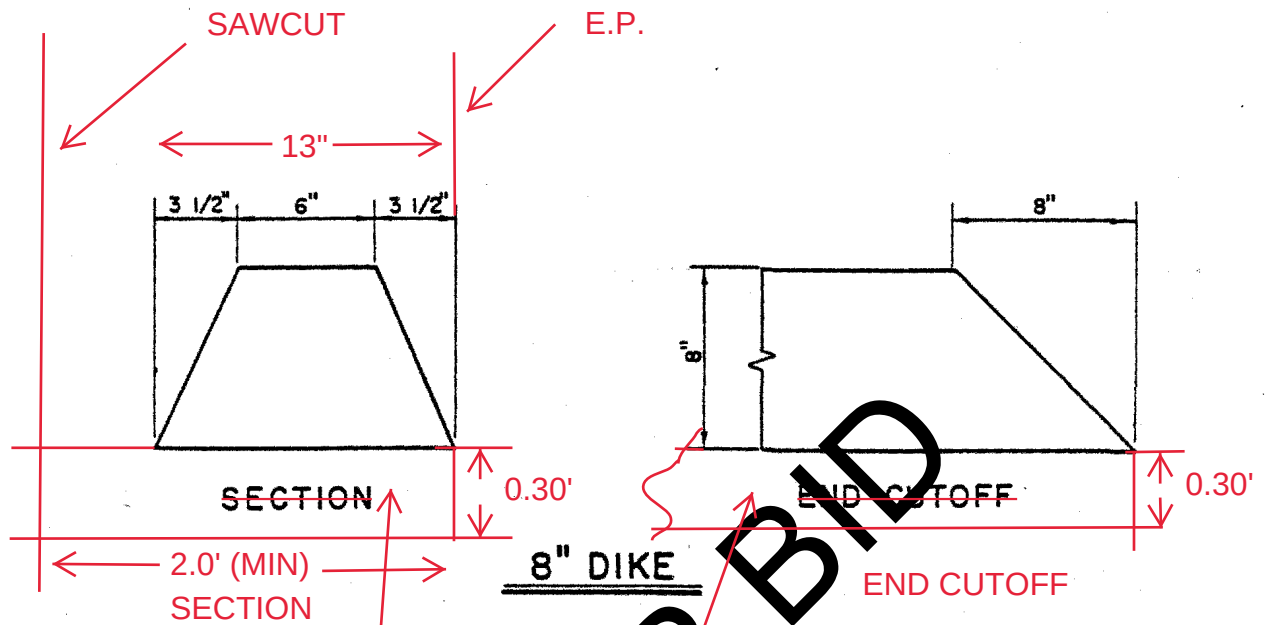
APPR. 3-75
Rev. VEH 2-79

John R. Shone
DIRECTOR OF TRANSPORTATION

6"
CURB AND GUTTER

116

(MODIFIED)



NEW TYPE A AC
(AFTER THE REMOVAL OF THE EXISTING AC,
VERIFY EXISTING THICKNESS TO BE REMOVED)

NOTES:

TYPE A

1. DIKE SHALL BE CONSTRUCTED OF ~~TYPE B~~ ASPHALT CONCRETE.
2. PAINT BINDER SHALL BE PLACED ON EXISTING ASPHALT CONCRETE PAVEMENT PRIOR TO THE INSTALLATION OF THE DIKE.

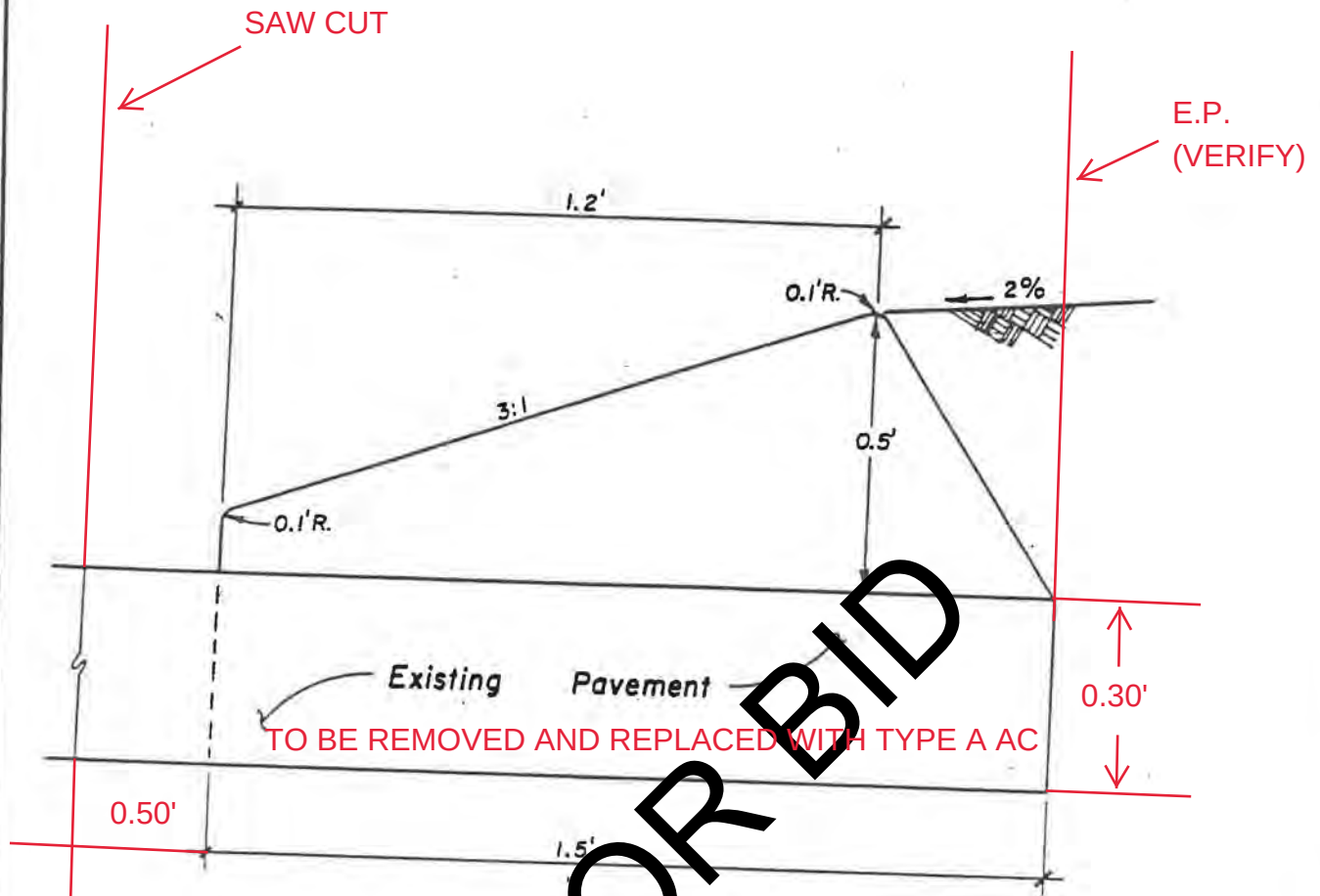
SAN BERNARDINO COUNTY ROAD DEPARTMENT

DATE: F.V.C. 6-65

M. A. Nicholas
COUNTY ENGINEER

ASPHALT CONCRETE
DIKE (MODIFIED)

117



TYPICAL SECTION

NOTES:

TYPE A

1. Dike Shall Be Constructed Of ~~Type B~~ Asphalt Concrete.
2. ~~Prime~~ Binder Shall Be Placed On Existing Asphalt Concrete Pavement Prior To The Installation Of The Dike.

SAN BERNARDINO COUNTY TRAN. DEPT.

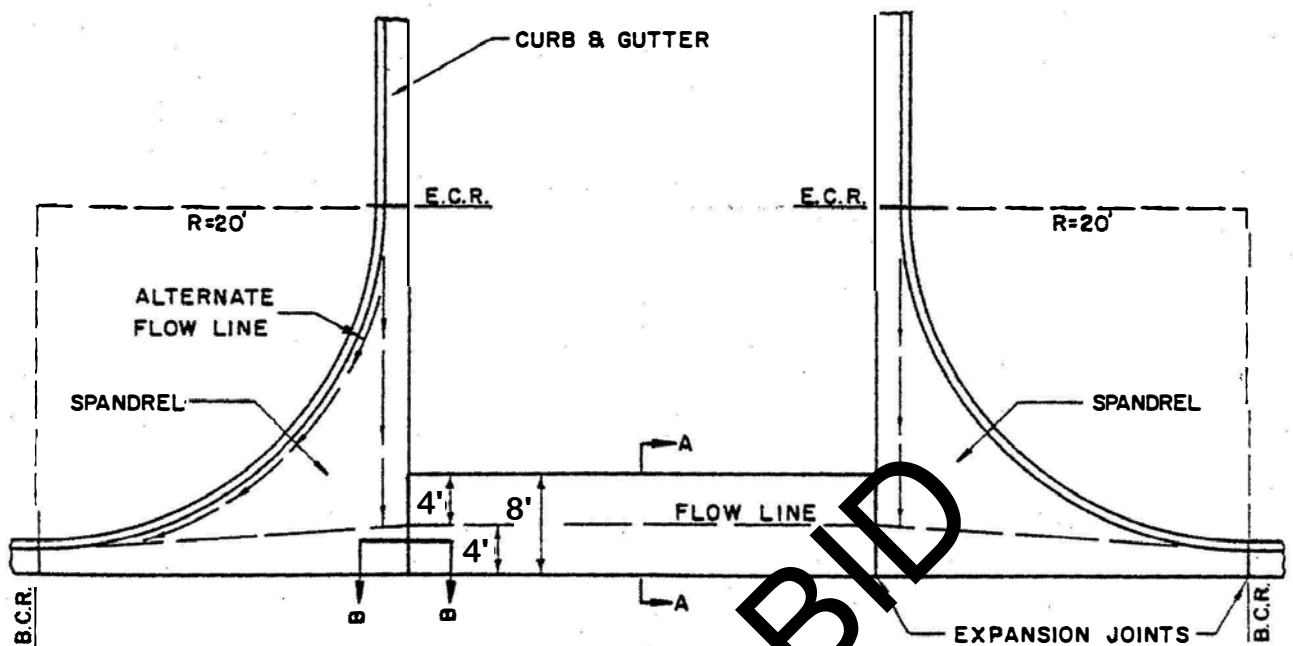
REV. 3/1/94

KEN A. MILLER
Director of Transportation

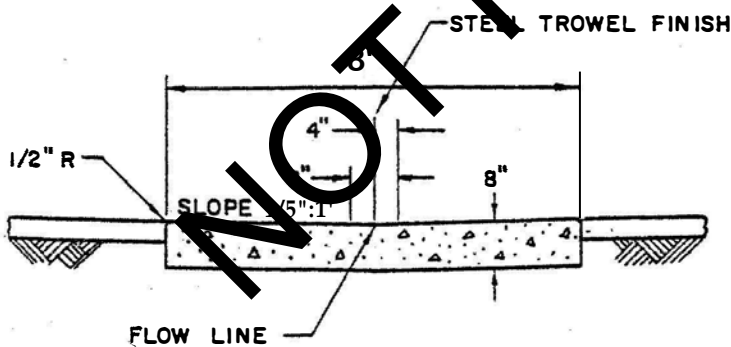
TRAVERSABLE DIKE
(MODIFIED)

4-1-95 vhc

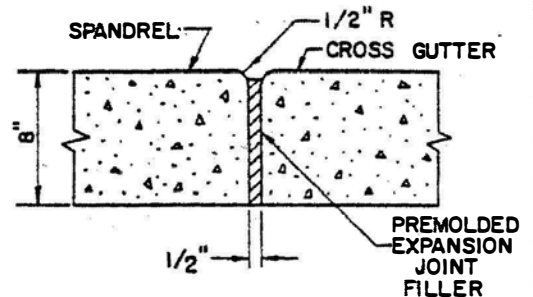
117a



PLAN



SECTION A-A



SECTION B-B

NOTES:

1. CROSS GUTTER SHALL BE CONSTRUCTED OF **MINOR** CONCRETE.
2. THE STRAIGHT GRADE BETWEEN B.C.R.'S MAY BE ALTERED ON AN EXCESSIVE GRADE.
3. A 0.3' MINIMUM FALL IS REQUIRED BETWEEN E.C.R. AND CROSS GUTTER FLOWLINE.
4. SPANDREL SHALL BE 8" THICKNESS **MINOR** CONCRETE.
5. VARIABLE CURB FACE ALLOWED FOR DRAINAGE PURPOSES.

SAN BERNARDINO COUNTY ROAD DEPARTMENT

DATE: 3.11.65

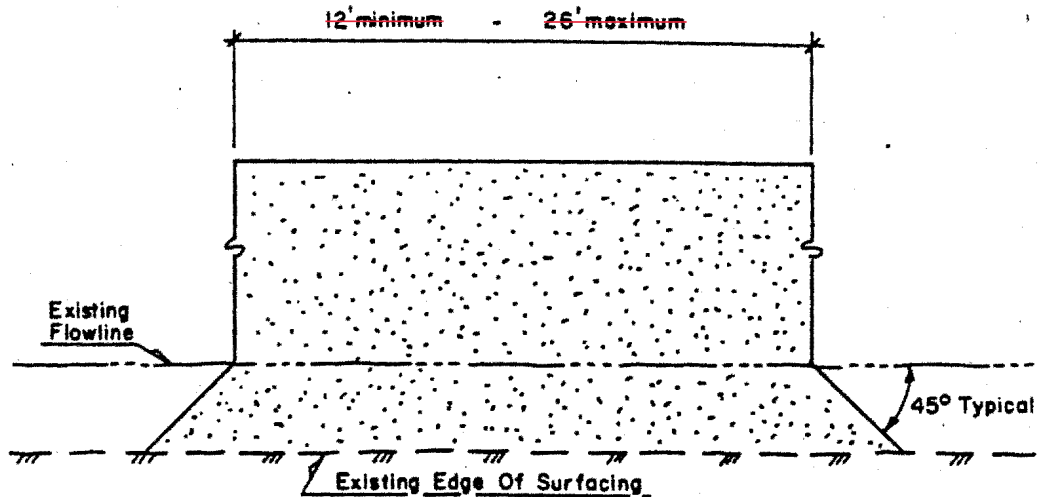
M. A. Nicholas
COUNTY ENGINEER

CROSS GUTTER

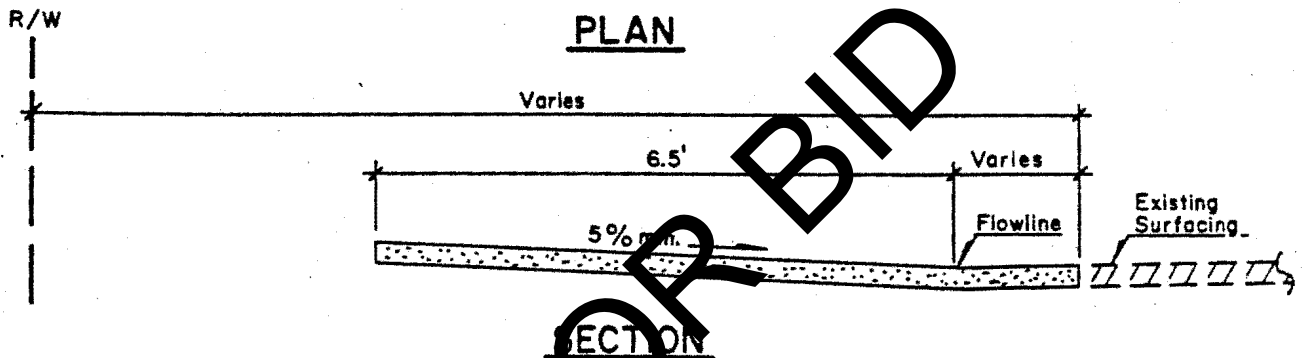
119

(MODIFIED)

VARIES (VERIFY ON SITE)



PLAN



NOTES:

1. Driveway Approach Location Shall Be As Indicated In The S.B. County Transportation Department Road Planning & Design Manual And Per Standard N^o 110.
2. Surfacing Material Shall Be: **TYPE A AC**
~~Type B' Asphalt Concrete Grade AR-4000, 1/2" Max. Med., 3" Thick.~~
b. Areas Not Regularly Subjected To Snowplowing, Portland Cement Concrete Class 'B', 4" Thick May Be Used.
c. Unpaved, If The Roadway Is Unpaved.
3. Flowline Grade Shall Be Maintained.
4. Where Existing Berm Is Removed, The Approach Shall Be Constructed To An Elevation Equal In Height To Control Drainage.

SAN BERNARDINO COUNTY TRANS. DEPT.

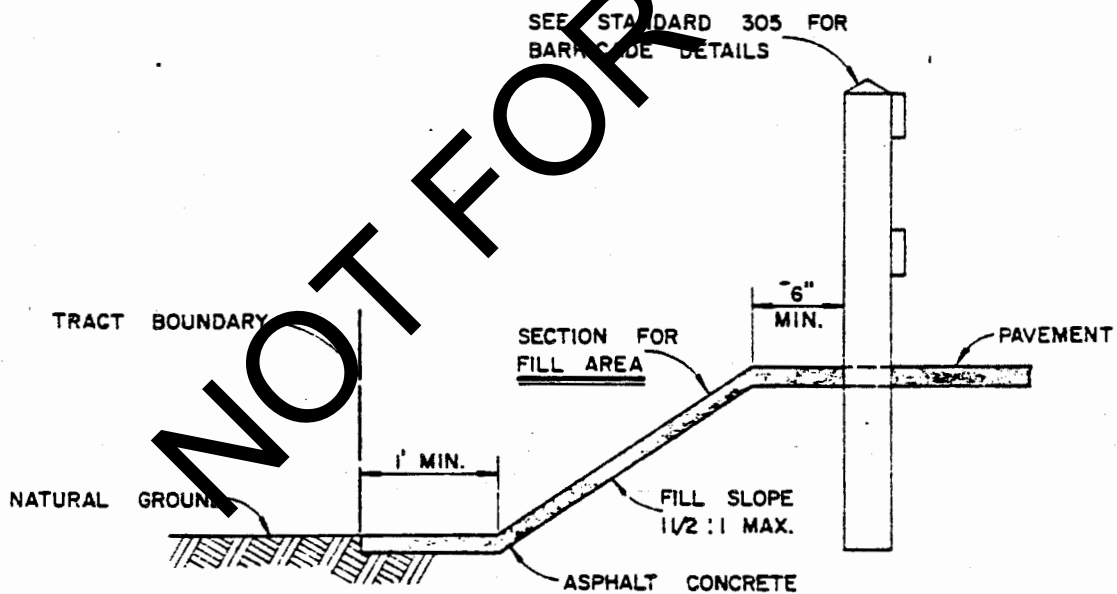
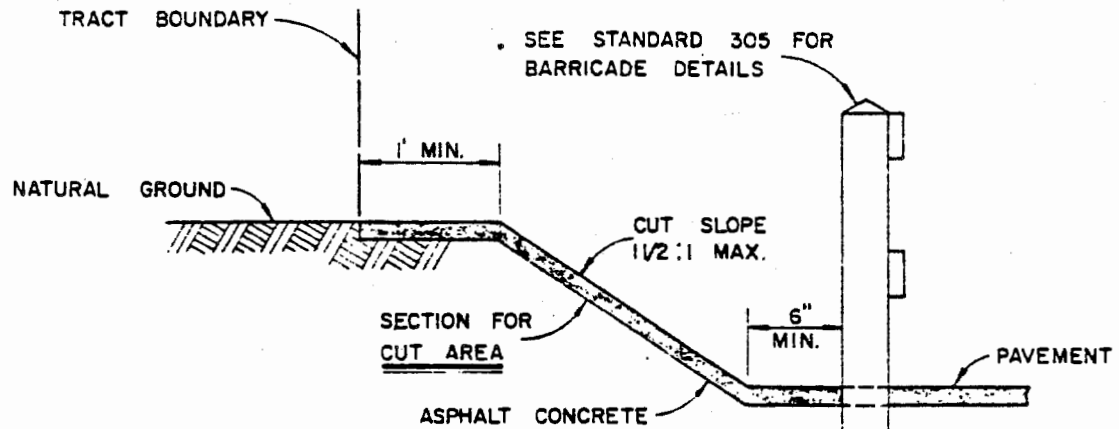
OCT. 4, 1993 v.h.c.
REV 3/1/94

KEN A. MILLER
Director of Transportation

**RESIDENTIAL DRIVEWAY
APPROACH
WITHOUT CURB**

128a

MODIFIED



NOTES:

1. ASPHALT CONCRETE SHALL BE MINIMUM 3 INCHES THICKNESS ON CUT OR FILL AREA.

SAN BERNARDINO COUNTY ROAD DEPARTMENT

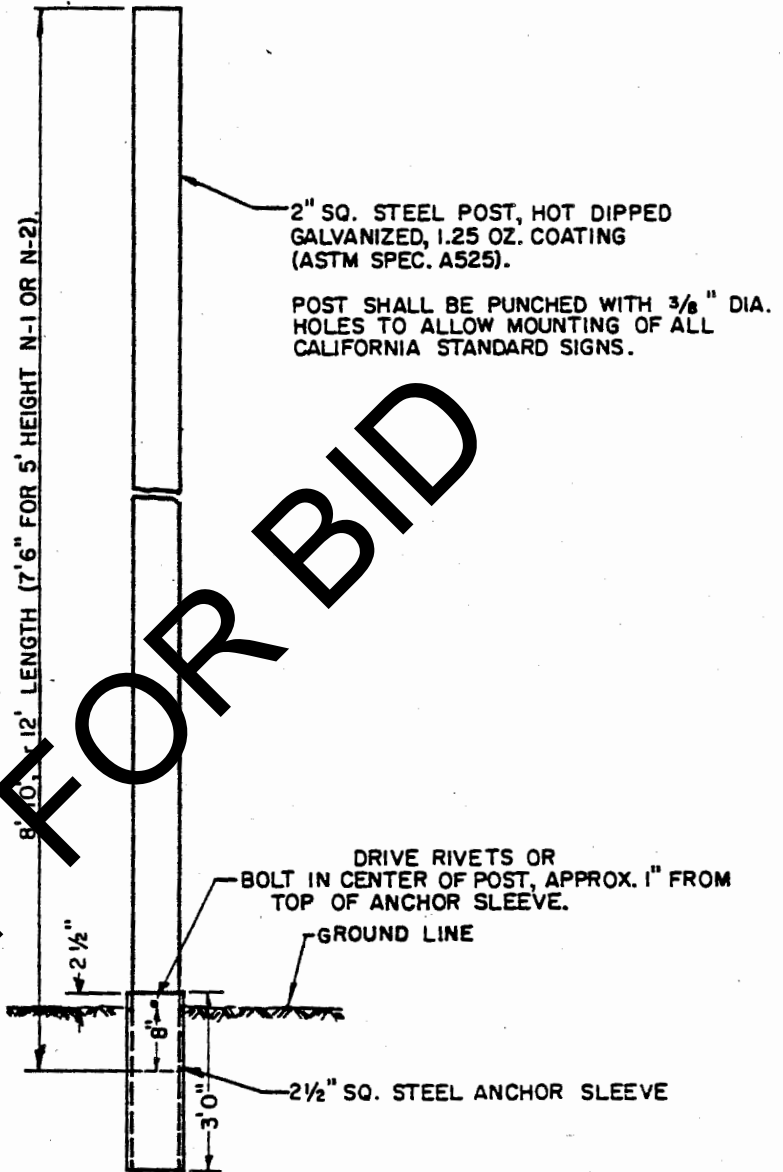
DATE: J.E.M. 10-65
R.A.Z. 10-61

M. A. Nicholas
COUNTY ENGINEER

END OF STREET
TEMPORARY PAVEMENT

305a

NOT FOR BID



NOTES:

1. SEE STANDARD NO. 303a FOR MARKER LOCATIONS.
2. POST SHALL BE 2" SQ. STEEL AS SHOWN AND STATED.
3. ANCHOR SLEEVE SHALL BE 2 1/2" SQ. STEEL HOT DIPPED GALVANIZED AFTER FABRICATION (ASTM SPEC. A-123).
4. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY STANDARD 303.

SAN BERNARDINO COUNTY ROAD DEPARTMENT

H.G. 1-71
R.O. 10-81

M. A. Nicholas
COUNTY ENGINEER

STREET MARKER
POST INSTALLATION

303 b

Figure 2A-2 (CA). Examples of Heights and Lateral Locations of Sign Installations

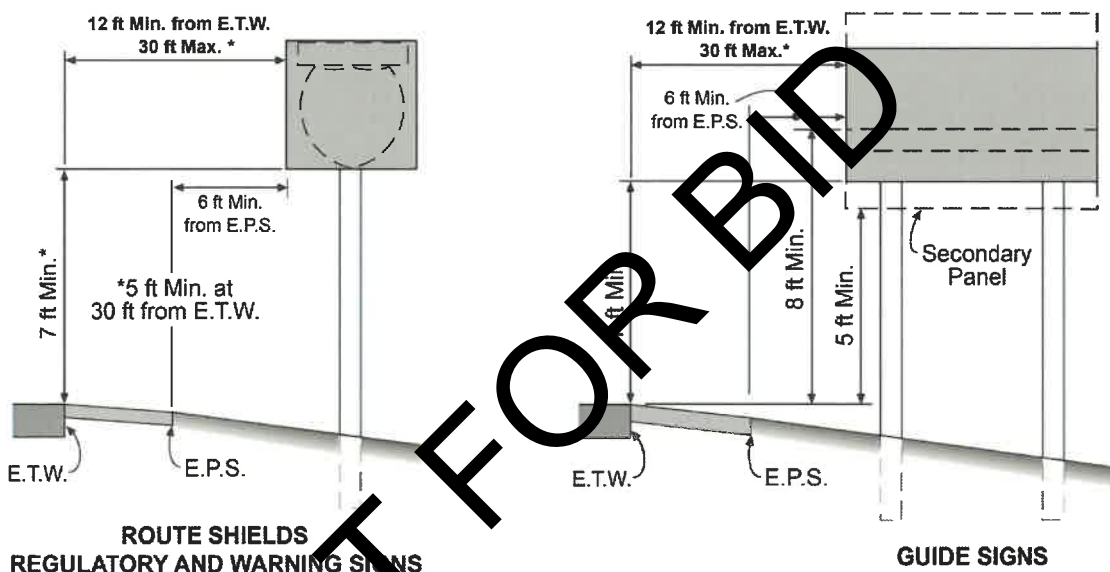
NOTES:

These sign positions are typical and should be considered a standard. When physical conditions require deviation from these typicals, they should be documented. When clear roadside recovery areas are provided, signs shall be placed as far from the traveled way as possible, up to 30 ft. When possible, they should be placed in protected locations.

Signs in medians shall be placed at midpoint of median, and should not be closer than 6 ft from the edge of a paved shoulder, or if none, 12 ft from the edge of the traveled way. When appropriate, signs for opposing directions shall be placed back to back.

E.T.W. = Edge of Traveled Way
E.P.S. = Edge of Paved Shoulder

FREEWAY AND EXPRESSWAY LOCATIONS



CONVENTIONAL HIGHWAYS AND INTERCHANGE AREAS

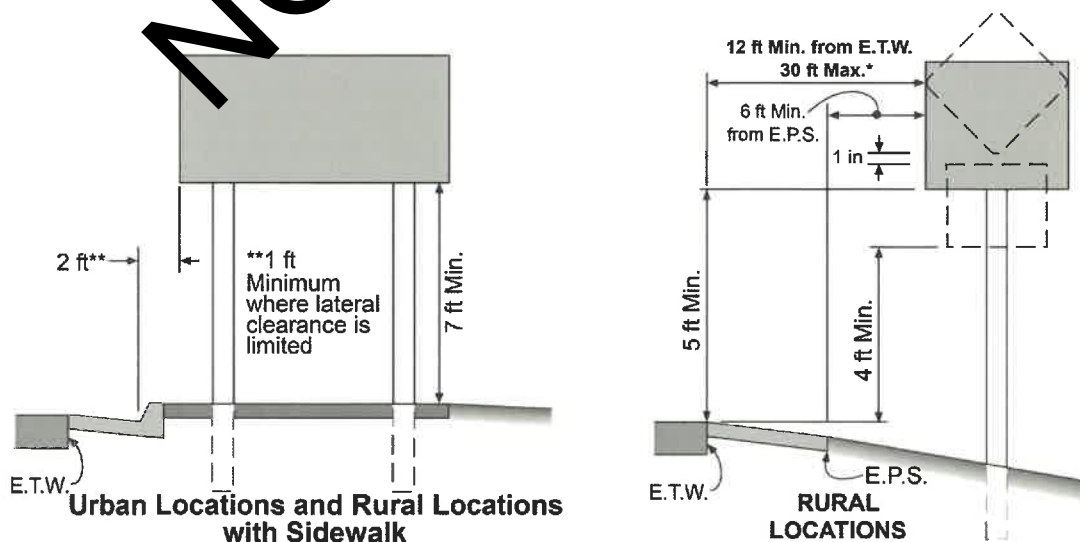


Figure 3B-102 (CA). Examples of Fire Hydrant Location Pavement Markers

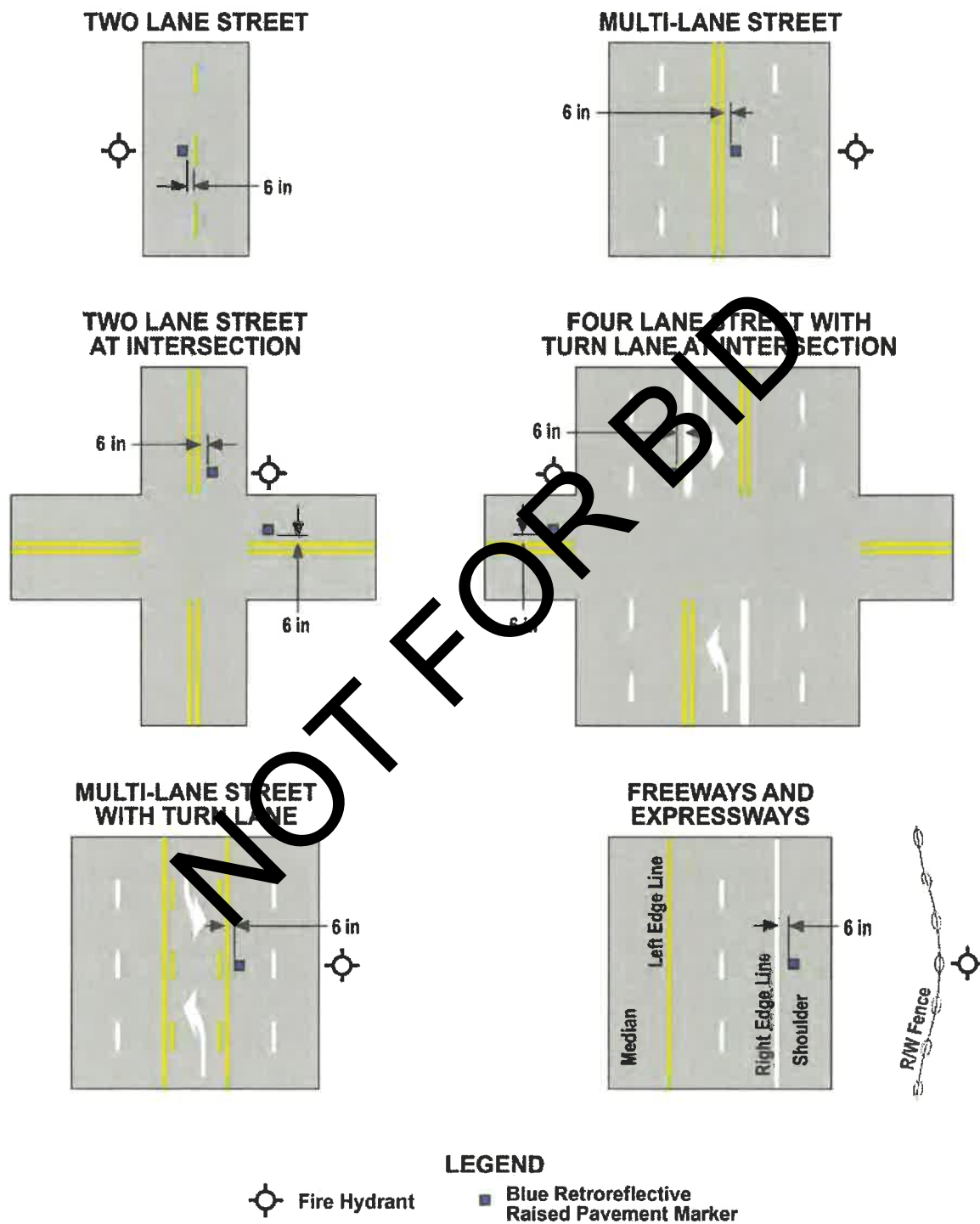
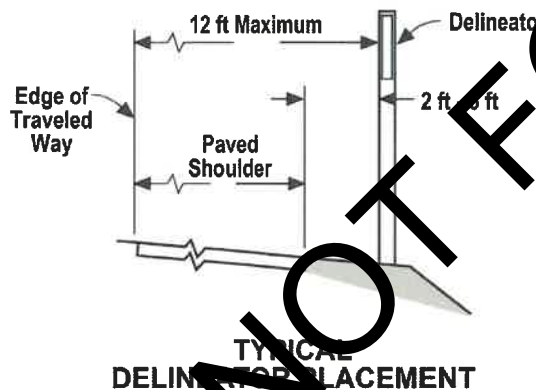
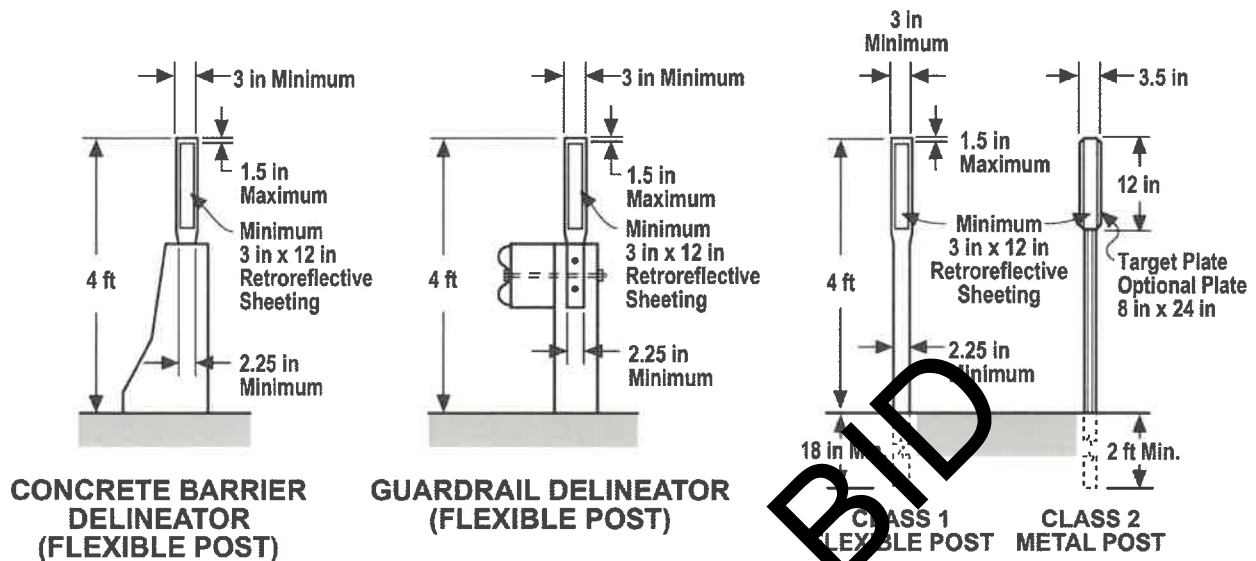


Figure 3F-101 (CA). Examples of Delineators



NOT TO SCALE

TYPES OF DELINEATORS

TYPE	RETROREFLECTOR COLOR	
	FRONT	BACK*
E	WHITE	WHITE
F	WHITE	NONE
G	YELLOW	NONE
J	RED	NONE

***Back Retroreflector:**
Class 1 Delineator - 3 in $\pm$ square of retroreflective sheeting.
Class 2 Delineator - 3 in $\pm$ acrylic cube-corner retroreflective element.

Notes:

1. Class 1 (Flexible Post) Delineators are standard on State highways, except for certain locations, e.g., snow or protected areas behind guardrail, etc. The color of the post is white.
2. Class 1 (Flexible Post) Delineators used in construction or maintenance zones shall be orange with white retroreflective sheeting. However, if the delineators are to remain in place as a permanent roadway feature after the construction or maintenance period, the color of the post shall be white with the appropriate color of retroreflective sheeting as specified in Section 3F.03.
3. The Type of Retroreflective Element and Class of Post is designated as E-1, F-2, etc.

Support:

14 Since channelizers require closer spacing, their post size requirements differ from those of delineators.

15 There are two basic types of channelizers: one attaches to the pavement and the other attaches to an anchoring device imbedded in the pavement. Both the base and anchor systems are designed to permit replacement of the channelizer post. See Figure 3H-101(CA).

Guidance:

16 Channelizers should be placed a minimum of 2 feet from the traffic line, away from traffic, to allow for future maintenance of the line.

Option:

17 Space limitations may dictate exceptions to this criterion. At certain locations, placement directly on the traffic line may be required.

Support:

18 Spacing of the channelizers depends on the type of facility where they are to be used, the speed and volume of traffic, and the alignment to be channelized. Spacing which results in a visual fence/barrier effect is a key factor in channelizer installation.

Guidance:

19 The maximum post spacing should be 100 feet on carpool lanes where channelizers are used primarily to delineate the separation between the carpool lane and the main facility.

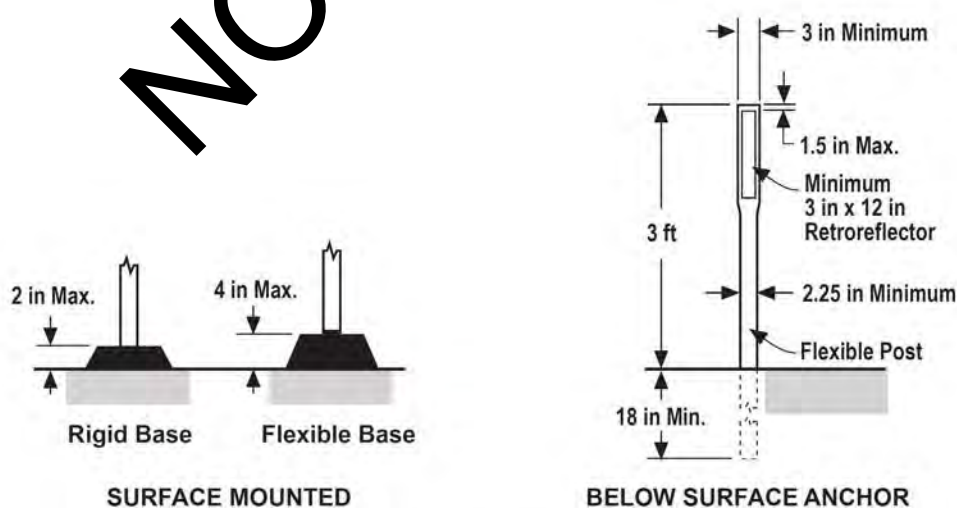
20 In locations where a relatively high number of violations occur, the post spacing should be 25 feet.

Option:

21 Where barrier violations are relatively minimal, a post spacing of 50 feet may be adequate. However, spacing in excess of 50 feet is of negligible value as a deterrent to intentional barrier violations.

22 Post spacing closer than 25 feet may be considered on lower speed roads, urban streets and at specific locations such as traffic islands.

Figure 3H-101 (CA). Example of Channelizers



NOT TO SCALE

Notes for Figure 6H-28—Typical Application 28 Sidewalk Detour or Diversion

Standard:

1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.

Guidance:

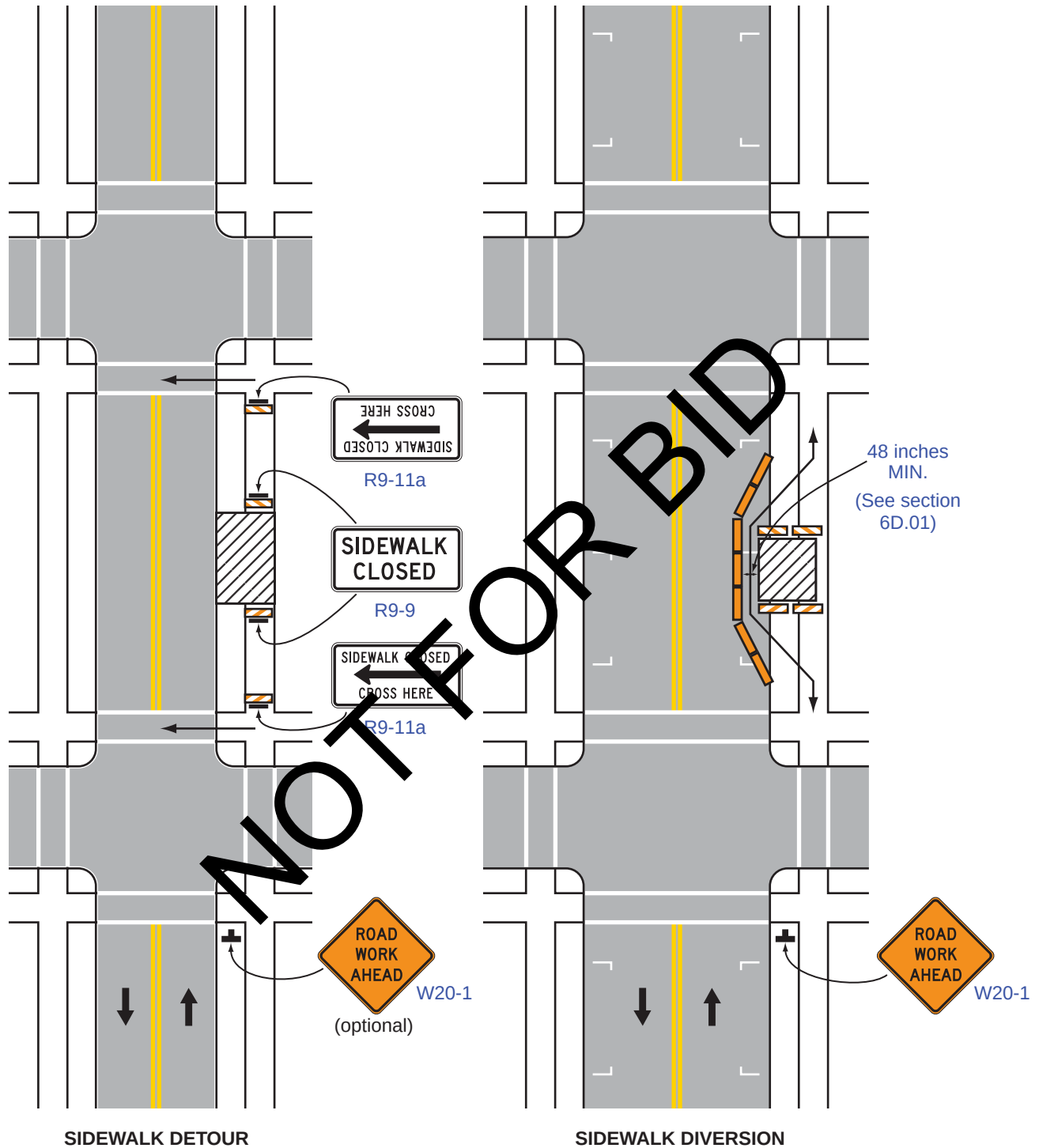
2. Where high speeds are anticipated, a temporary traffic barrier and, if necessary, a crash cushion should be used to separate the temporary sidewalks from vehicular traffic.
3. Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.

Option:

4. Street lighting may be considered.
5. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS signs, may be used to control vehicular traffic.
6. For nighttime closures, Type A Flashing warning lights may be used on barricades that support signs and close sidewalks.
7. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used on channelizing devices separating the temporary sidewalks from vehicular traffic flow.
8. Signs, such as KEEP RIGHT (LEFT), may be placed along a temporary sidewalk to guide or direct pedestrians.

NOT FOR BID

Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



Typical Application 28

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Notes for Figure 6H-29—Typical Application 29 Crosswalk Closures and Pedestrian Detours

Standard:

1. When crosswalks or other pedestrian facilities are closed or relocated, temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility.
2. ~~Curb parking shall be prohibited for at least 50 feet in advance of the midblock crosswalk.~~

Guidance:

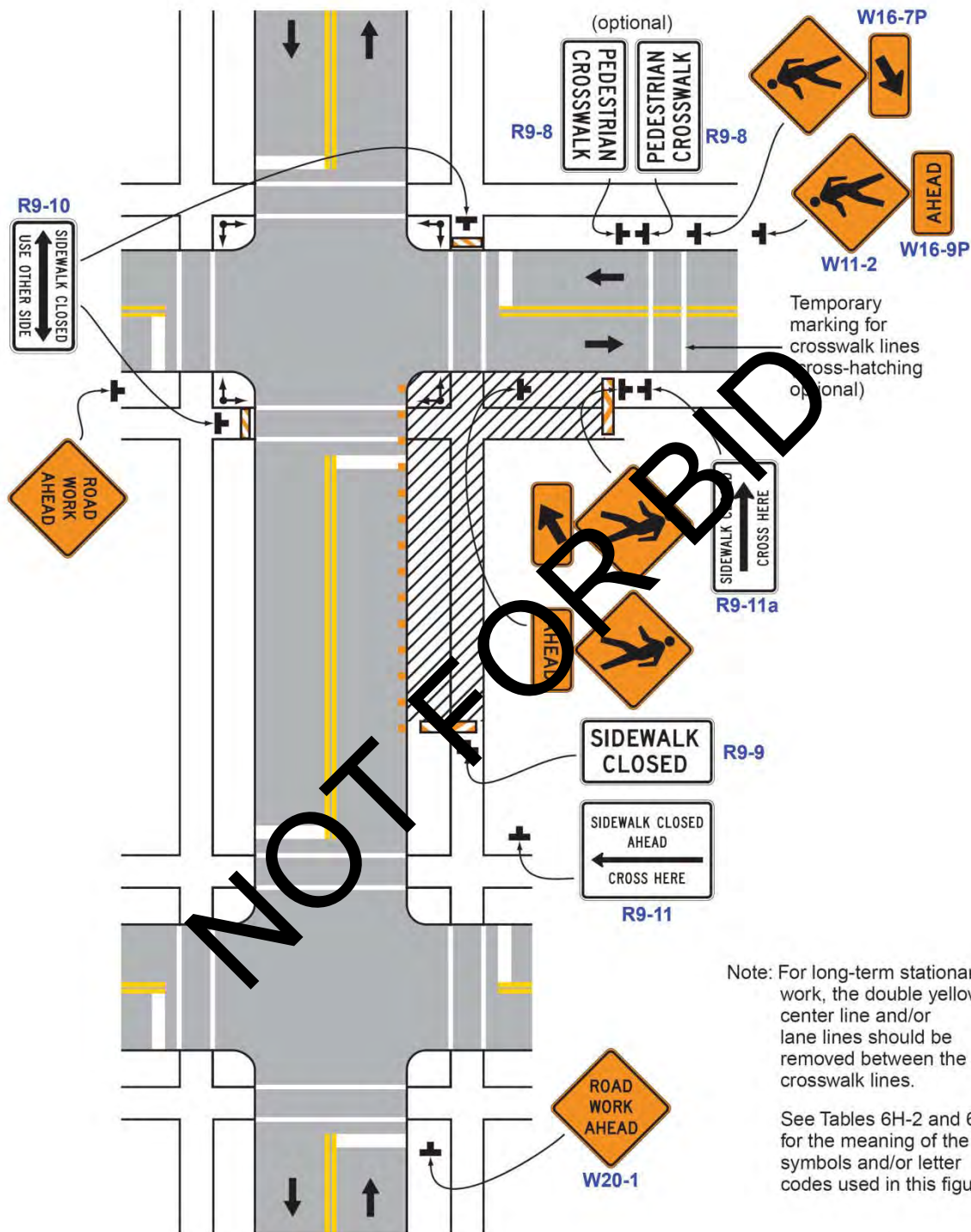
2. *Parking should be prohibited in advance of mid-block crosswalks. Mid-block crosswalks should be avoided, when possible. See Section 3B.18.*
3. *Audible information devices should be considered where midblock closings and changed crosswalk areas cause inadequate communication to be provided to pedestrians who have visual disabilities.*
4. *Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.*

Option:

5. Street lighting may be considered.
6. Only the TTC devices related to pedestrians are shown. Other devices, such as lane closure signing or ROAD NARROWS signs, may be used to control vehicular traffic.
7. For nighttime closures, Type A Flashing warning lights may be used on barricades supporting signs and closing sidewalks.
8. Type C Steady-Burn or Type D 360-degree Steady-Burn warning lights may be used on channelizing devices separating the work space from vehicular traffic.
9. In order to maintain the systematic use of the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs in a jurisdiction, the fluorescent yellow-green background for pedestrian, bicycle, and school warning signs may be used in TTC zones.

NOT FOR BID

Figure 6H-29. Crosswalk Closures and Pedestrian Detours (TA-29)



Note: For long-term stationary work, the double yellow center line and/or lane lines should be removed between the crosswalk lines.

See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 29

CHAPTER 6D. PEDESTRIAN AND WORKER SAFETY

Section 6D.01 Pedestrian Considerations

Support:

⁰¹ A wide range of pedestrians might be affected by TTC zones, including the young, elderly, and people with disabilities such as hearing, visual, or mobility. These pedestrians need a clearly delineated and usable travel path. Considerations for pedestrians with disabilities are addressed in Section 6D.02.

Standard:

⁰² **The various TTC provisions for pedestrian and worker safety set forth in Part 6 shall be applied by knowledgeable (for example, trained and/or certified) persons after appropriate evaluation and engineering judgment.**

⁰³ **Advance notification of sidewalk closures shall be provided by the maintaining agency.**

⁰⁴ **If the TTC zone affects the movement of pedestrians, adequate pedestrian access and walkways shall be provided. If the TTC zone affects an accessible and detectable pedestrian facility, the accessibility and detectability shall be maintained along the alternate pedestrian route.**

Option:

⁰⁵ If establishing or maintaining an alternate pedestrian route is not feasible during the project, an alternate means of providing for pedestrians may be used, such as adding free bus service around the project or assigning someone the responsibility to assist pedestrians with disabilities through the project limits.

Support:

⁰⁶ It must be recognized that pedestrians are reluctant to retrace their steps to a prior intersection for a crossing or to add distance or out-of-the-way travel to a destination.

Guidance:

⁰⁷ *The following three items should be considered when planning for pedestrians in TTC zones:*

A. Pedestrians should not be led into conflicts with vehicles, equipment, and operations.

B. Pedestrians should not be led into conflicts with vehicles moving through or around the worksite.

C. Pedestrians should be provided with a convenient and accessible path that replicates as nearly as practical the most desirable characteristics of the existing sidewalk(s) or footpath(s).

⁰⁸ *A pedestrian route should not be slowed and/or moved for non-construction activities such as parking for vehicles and equipment.*

⁰⁹ *Consideration should be made to separate pedestrian movements from both worksite activity and vehicular traffic. Unless an acceptable route that does not involve crossing the roadway can be provided, pedestrians should be appropriately directed with advance signing that encourages them to cross to the opposite side of the roadway. In urban and suburban areas with high vehicular traffic volumes, these signs should be placed at intersections (rather than midblock locations) so that pedestrians are not confronted with midblock worksites that will induce them to attempt skirting the worksite or making a midblock crossing.*

Support:

¹⁰ Figures 6H-28 and 6H-29 show typical TTC device usage and techniques for pedestrian movement through work zones.

Guidance:

¹¹ *To accommodate the needs of pedestrians, including those with disabilities, the following considerations should be addressed when temporary pedestrian pathways in TTC zones are designed or modified:*

A. Provisions for continuity of accessible paths for pedestrians should be incorporated into the TTC plan.

B. Access to transit stops should be maintained.

C. A smooth, continuous hard surface should be provided throughout the entire length of the temporary pedestrian facility. There should be no curbs or abrupt changes in grade or terrain that could cause tripping or be a barrier to wheelchair use. The geometry and alignment of the facility should meet the applicable requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" (see Section 1A.11).

D. The width of the existing pedestrian facility should be provided for the temporary facility if practical. Traffic control devices and other construction materials and features should not intrude into the usable width of the

sidewalk, temporary pathway, or other pedestrian facility. When it is not possible to maintain a minimum width of 60 inches throughout the entire length of the pedestrian pathway, a 60 x 60-inch passing space should be provided at least every 200 feet to allow individuals in wheelchairs to pass.

- E. Blocked routes, alternate crossings, and sign and signal information should be communicated to pedestrians with visual disabilities by providing devices such as audible information devices, accessible pedestrian signals, or barriers and channelizing devices that are detectable to the pedestrians traveling with the aid of a long cane or who have low vision. Where pedestrian traffic is detoured to a TTC signal, engineering judgment should be used to determine if pedestrian signals or accessible pedestrian signals should be considered for crossings along an alternate route.*
- F. When channelization is used to delineate a pedestrian pathway, a continuous detectable edging should be provided throughout the length of the facility such that pedestrians using a long cane can follow it. These detectable edgings should comply with the provisions of Section 6F.74.*
- G. Signs and other devices mounted lower than 7 feet above the temporary pedestrian pathway should not project more than 4 inches into accessible pedestrian facilities.*

Option:

12 Whenever it is feasible, closing off the worksite from pedestrian intrusion may be preferable to channelizing pedestrian traffic along the site with TTC devices.

Guidance:

13 Fencing should not create sight distance restrictions for road users. Fences should not be constructed of materials that would be hazardous if impacted by vehicles. Wooden railing, fencing, and similar systems placed immediately adjacent to motor vehicle traffic should not be used as substitutes for crashworthy temporary traffic barriers.

14 Ballast for TTC devices should be kept to the minimum amount needed and should be mounted low to prevent penetration of the vehicle windshield.

15 Movement by work vehicles and equipment across designated pedestrian paths should be minimized and, when necessary, should be controlled by flaggers or TTC. Staging or stopping of work vehicles or equipment along the side of pedestrian paths should be avoided, since it encourages movement of workers, equipment, and materials across the pedestrian path.

16 Access to the work space by workers and equipment across pedestrian walkways should be minimized because the access often creates unacceptable changes in grade, and rough or muddy terrain, and pedestrians will tend to avoid these areas by attempting non-intersection crossings where no curb ramps are available.

Option:

17 A canopied walkway may be used to protect pedestrians from falling debris, and to provide a covered passage for pedestrians.

Guidance:

18 Covered walkways should be sturdily constructed and adequately lighted for nighttime use.

19 When pedestrian and vehicle paths are rerouted to a closer proximity to each other, consideration should be given to separating them by a temporary traffic barrier.

20 If a temporary traffic barrier is used to shield pedestrians, it should be designed to accommodate site conditions.

Support:

21 Depending on the possible vehicular speed and angle of impact, temporary traffic barriers might deflect upon impact by an errant vehicle. Guidance for locating and designing temporary traffic barriers can be found in Chapter 9 of AASHTO's "Roadside Design Guide" (see Section 1A.11).

Standard:

22 **Short intermittent segments of temporary traffic barrier shall not be used because they nullify the containment and redirective capabilities of the temporary traffic barrier, increase the potential for serious injury both to vehicle occupants and pedestrians, and encourage the presence of blunt, leading ends. All upstream leading ends that are present shall be appropriately flared or protected with properly installed and maintained crashworthy cushions. Adjacent temporary traffic barrier segments shall be properly connected in order to provide the overall strength required for the temporary traffic barrier to perform properly.**

23 Normal vertical curbing shall not be used as a substitute for temporary traffic barriers when temporary traffic barriers are needed.

Option:

24 Temporary traffic barriers or longitudinal channelizing devices may be used to discourage pedestrians from unauthorized movements into the work space. They may also be used to inhibit conflicts with vehicular traffic by minimizing the possibility of midblock crossings.

Support:

25 A major concern for pedestrians is urban and suburban building construction encroaching onto the contiguous sidewalks, which forces pedestrians off the curb into direct conflict with moving vehicles.

Guidance:

26 *If a significant potential exists for vehicle incursions into the pedestrian path, pedestrians should be rerouted or temporary traffic barriers should be installed.*

Support:

27 TTC devices, jersey barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.

Guidance:

28 *Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" (see Section 1A.11), and should not be used as a control for pedestrian movements.*

29 *In general, pedestrian routes should be preserved in urban and commercial suburban areas. Alternative routing should be discouraged.*

30 *The highway agency in charge of the TTC zone should regularly inspect the activity area so that effective pedestrian TTC is maintained.*

Support:

31 Other laws and requirements are unique to California and need to be followed when providing pedestrian access through or around TTC zones.

32 Additional information on this topic can be found in publication titled "Pedestrian Considerations for California Temporary Traffic Control Zones on Caltrans' following web link:
<http://dot.ca.gov/hq/traffops/engineering/control-devices/pdf/PedBrochure.pdf>

Section 6D.02 Accessibility Considerations

Support:

01 Additional information on the design and construction of accessible temporary facilities is found in publications listed in Section 1A.11 (see Publications 12, 38, 39, and 42).

Guidance:

02 *The extent of pedestrian needs should be determined through engineering judgment or by the individual responsible for each TTC zone situation. Adequate provisions should be made for pedestrians with disabilities.*

Standard:

03 **When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Where pedestrians with visual disabilities normally use the closed sidewalk, a barrier that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.**

Support:

04 Maintaining a detectable, channelized pedestrian route is much more useful to pedestrians who have visual disabilities than closing a walkway and providing audible directions to an alternate route involving additional crossings and a return to the original route. Braille is not useful in conveying such information because it is difficult to find. Audible instructions might be provided, but the extra distance and additional street crossings might add complexity to a trip.

Guidance:

05 *Because printed signs and surface delineation are not usable by pedestrians with visual disabilities, blocked routes, alternate crossings, and sign and signal information should be communicated to pedestrians with visual*

disabilities by providing audible information devices, accessible pedestrian signals, and barriers and channelizing devices that are detectable to pedestrians traveling with the aid of a long cane or who have low vision.

Support:

⁰⁶ The most desirable way to provide information to pedestrians with visual disabilities that is equivalent to visual signing for notification of sidewalk closures is a speech message provided by an audible information device. Devices that provide speech messages in response to passive pedestrian actuation are the most desirable. Other devices that continuously emit a message, or that emit a message in response to use of a pushbutton, are also acceptable. Signing information can also be transmitted to personal receivers, but currently such receivers are not likely to be carried or used by pedestrians with visual disabilities in TTC zones. Audible information devices might not be needed if detectable channelizing devices make an alternate route of travel evident to pedestrians with visual disabilities.

Guidance:

⁰⁷ *If a pushbutton is used to provide equivalent TTC information to pedestrians with visual disabilities, the pushbutton should be equipped with a locator tone to notify pedestrians with visual disabilities that a special accommodation is available, and to help them locate the pushbutton.*

Section 6D.03 Worker Safety Considerations

Support:

⁰¹ Equally as important as the safety of road users traveling through the TTC zone is the safety of workers. TTC zones present temporary and constantly changing conditions that are unexpected by the road user. This creates an even higher degree of vulnerability for workers on or near the roadway.

⁰² Maintaining TTC zones with road user flow inhibited as little as possible, and using TTC devices that get the road user's attention and provide positive direction are of particular importance. Likewise, equipment and vehicles moving within the activity area create a risk to workers on foot. When possible, the separation of moving equipment and construction vehicles from workers on foot provides the operator of these vehicles with a greater separation clearance and improved sight lines to minimize exposure to the hazards of moving vehicles and equipment.

Guidance:

⁰³ *The following are the key elements of worker safety and TTC management that should be considered to improve worker safety:*

- A. Training—all workers should be trained on how to work next to motor vehicle traffic in a way that minimizes their vulnerability. Workers having specific TTC responsibilities should be trained in TTC techniques, device usage, and placement.*
- B. Temporary Traffic Barriers—temporary traffic barriers should be placed along the work space depending on factors such as lateral clearance of workers from adjacent traffic, speed of traffic, duration and type of operations, time of day, and volume of traffic.*
- C. Speed Reduction—reducing the speed of vehicular traffic, mainly through regulatory speed zoning, funneling, lane reduction, or the use of uniformed law enforcement officers or flaggers, should be considered. The use of regulatory speed zone signing tends to be more effective when law enforcement is present. Refer to Section 6C.01.*
- D. Activity Area—planning the internal work activity area to minimize backing-up maneuvers of construction vehicles should be considered to minimize the exposure to risk.*
- E. Worker Safety Planning—a trained person designated by the employer should conduct a basic hazard assessment for the worksite and job classifications required in the activity area. This safety professional should determine whether engineering, administrative, or personal protection measures should be implemented. This plan should be in accordance with the Occupational Safety and Health Act of 1970, as amended, "General Duty Clause" Section 5(a)(1) - Public Law 91-596, 84 Stat. 1590, December 29, 1970, as amended, and with the requirement to assess worker risk exposures for each job site and job classification, as per 29 CFR 1926.20 (b)(2) of "Occupational Safety and Health Administration Regulations, General Safety and Health Provisions" (see Section 1A.11).*

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Atifa Ferouz
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
 No. C80402
 Exp. 3-31-19
 CIVIL
 STATE OF CALIFORNIA

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TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = WS^2/60$
 For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet

W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile
 speed prior to work starting, or the anticipated
 operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where
 there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING					
SPEED *	Min D **	DOWNGRADE ***			
		-3%	-6%	-9%	
		ft	ft	ft	
mph	ft	ft	ft	ft	
20	115	116		126	
25	155	165		173	
30	200	205		227	
35	250	257		271	
40	305	313		333	
45	370	377		400	
50	420	426		474	
55	495	500		553	
60	570	578		638	
65	645	652		728	
70	730	737		825	
75	820	826		927	

* - Speed is posted speed limit, off-peak 85th-percentile
 speed prior to work starting, or the anticipated
 operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent
 and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance
 purposes only, and should be applied with engineering judgment.
 These distances should be adjusted by the Engineer for field
 conditions, if necessary, by increasing or decreasing the
 recommended distances.

STATE OF CALIFORNIA
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TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

NOTES:

See Standard Plan T9 for tables.

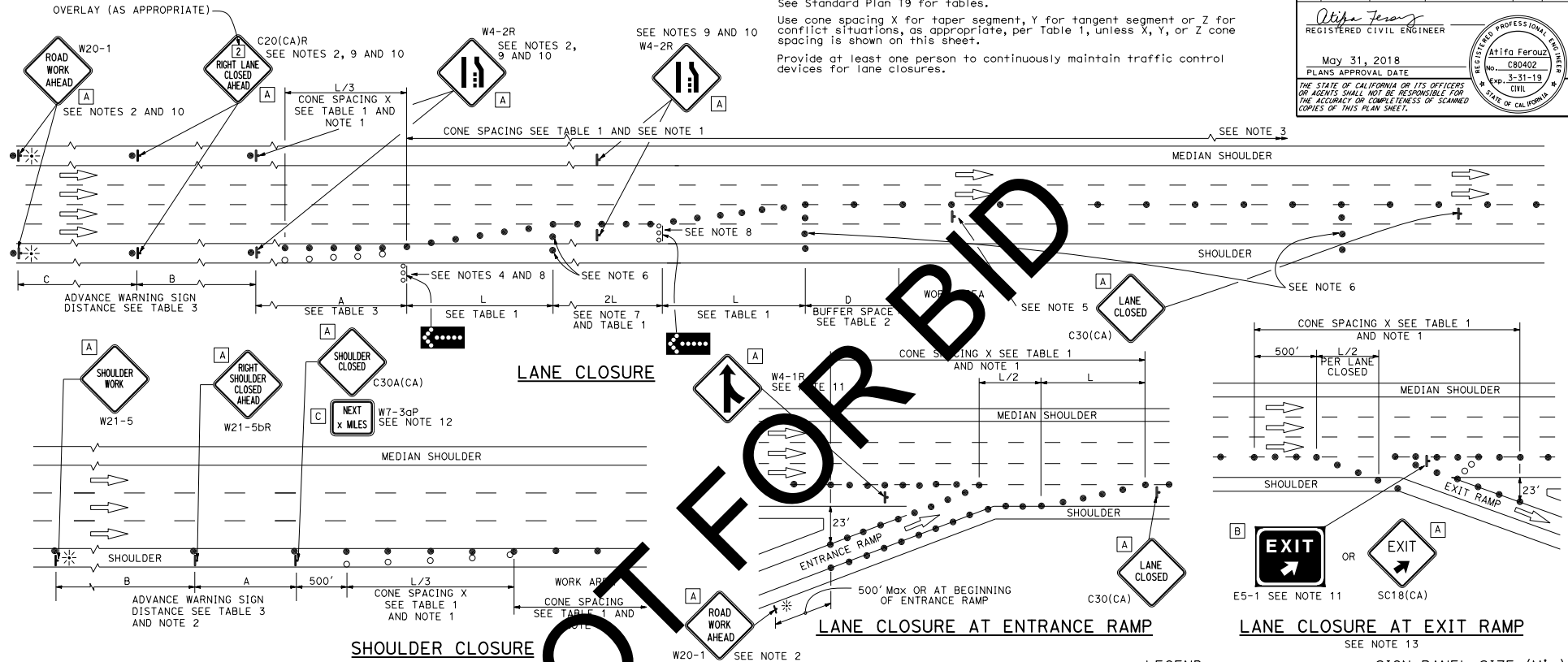
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Provide at least one person to continuously maintain traffic control devices for lane closures.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

Atifa Ferouz
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
 No. C80402
 Exp. 3-31-19
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**NOTES:**

1. Portable delineators placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
2. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within the larger project's limits.
4. A minimum 1500' sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

5. Place a C30(CA) sign every 1000' throughout length of lane closure.
6. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends, and every 1000' as shown on the Lane Closure detail. Two type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
7. The 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
8. Use one flashing arrow sign for each lane closed. The flashing arrow sign shall be Type I.
9. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.

10. Duplicate sign installations are not required:
 - a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
11. The E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
12. A W7-3aP "NEXT MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.
13. For the warning sign requirements at the Exit Ramp, when work is proposed on the local street, see CA MUTCD Figure 6H-22 to 6H-27.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ⬇️ TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ FLASHING ARROW SIGN (FAS)
- ⚡ FAS SUPPORT OR TRAILER
- ⚡ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- | | |
|---|-----------|
| A | 48" x 48" |
| B | 72" x 60" |
| C | 36" x 30" |

STATE OF CALIFORNIA
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**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**
 NO SCALE

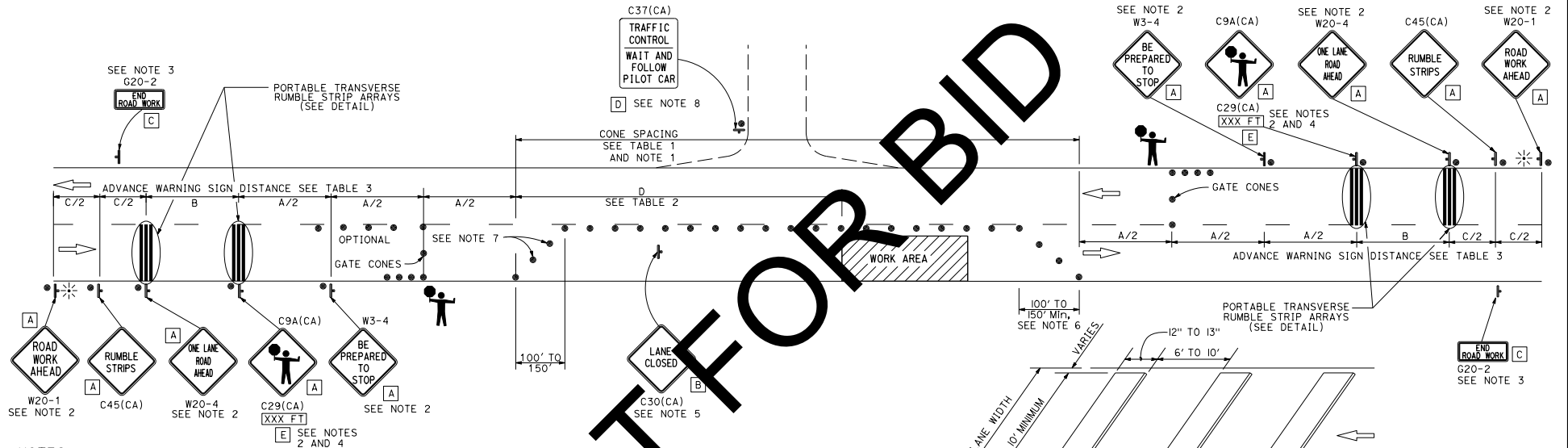
T10

NOTES:

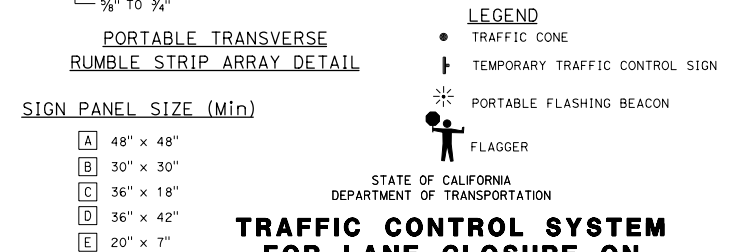
See Standard Plan T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Provide at least one person to continuously maintain traffic control devices for lane closures.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL**NOTES:**

1. Portable delineators placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
2. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A G20-2 "END ROAD WORK" sign, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within the larger project's limits.
4. An optional C29(CA) sign may be placed below the C9A(CA) sign.
5. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work area. They are optional if the work area is visible from the flagger station.
6. Length may be reduced by the Engineer to address site conditions.
7. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
8. When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within the traffic control area.



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**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
TWO LANE CONVENTIONAL
HIGHWAYS**
NO SCALE

T13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

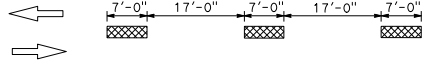
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No. C80402
EXP. 3-31-19
CIVIL
STATE OF CALIFORNIA

May 31, 2018
PLANS APPROVAL DATE

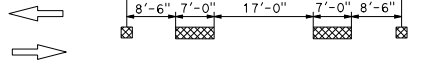
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CENTERLINES (2 LANE HIGHWAYS)

DETAIL 1



DETAIL 2

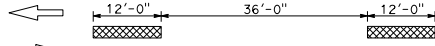
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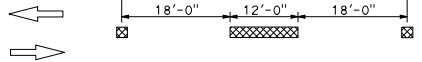
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DETAIL 5



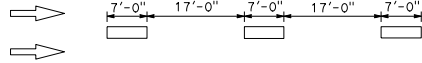
DETAIL 6

~~DETAIL 7~~

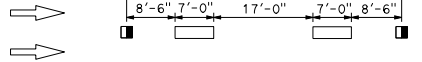
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LANELINES (MULTILANE HIGHWAYS)

DETAIL 8



DETAIL 9



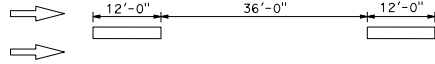
DETAIL 9A

SEE NOTE

~~DETAIL 10~~

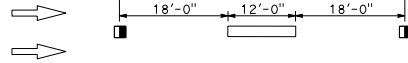
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DETAIL 11



LANELINES (Cont)

DETAIL 12



DETAIL 12A

SEE NOTE

~~DETAIL 13~~

DETAIL 13 DELETED

~~DETAIL 14~~

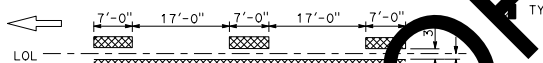
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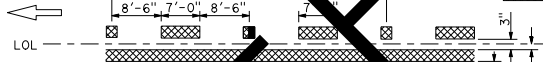
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DETAIL 15



LOL

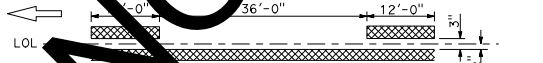
DETAIL 16



LOL

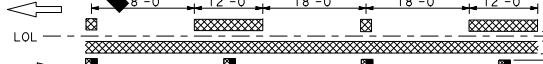
~~DETAIL 17~~

DETAIL 18



LOL

DETAIL 19



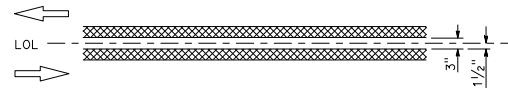
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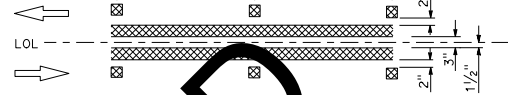
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NO PASSING ZONES-TWO DIRECTION

DETAIL 21



DETAIL 22

~~DETAIL 23~~

DETAIL 23 DELETED

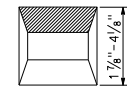
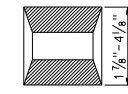
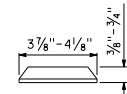
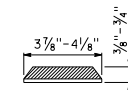
LEGEND

MARKERS

- TYPE C RED ROUNDED RETROREFLECTIVE
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE

LINE

- 6" WHITE
- 6" YELLOW



TYPE C AND TYPE D

TYPE G AND TYPE H

RETROREFLECTIVE FACE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

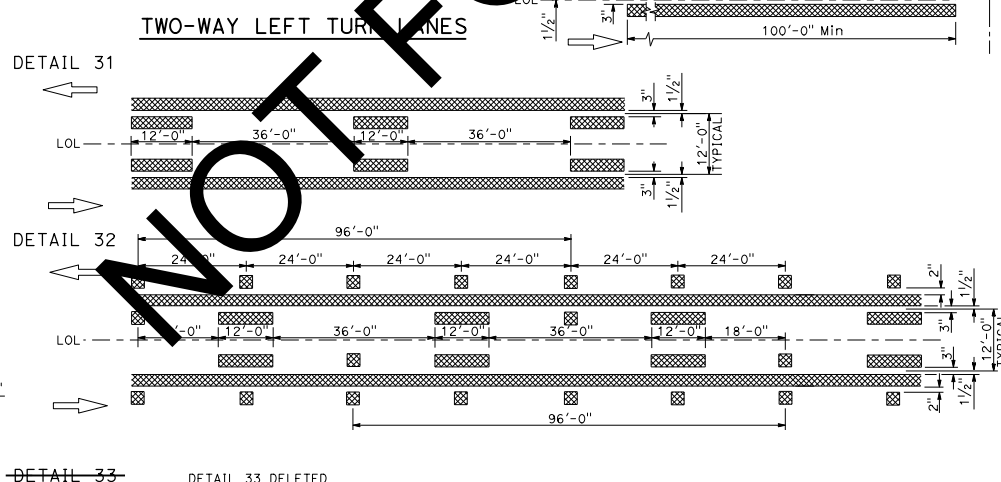
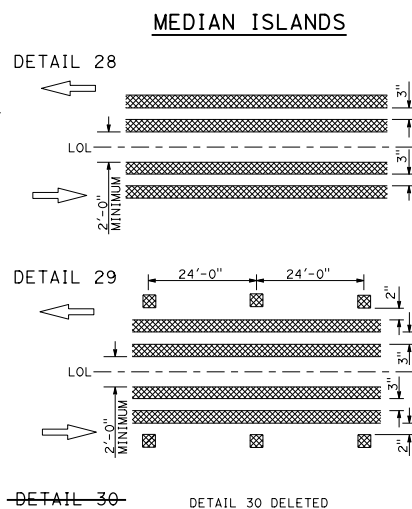
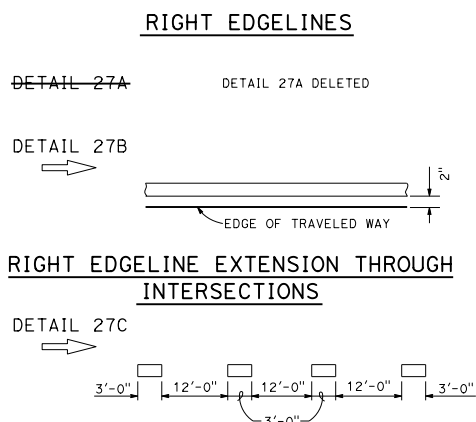
NO SCALE

A20A

DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

Atifa Ferrouz
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
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 STATE OF CALIFORNIA

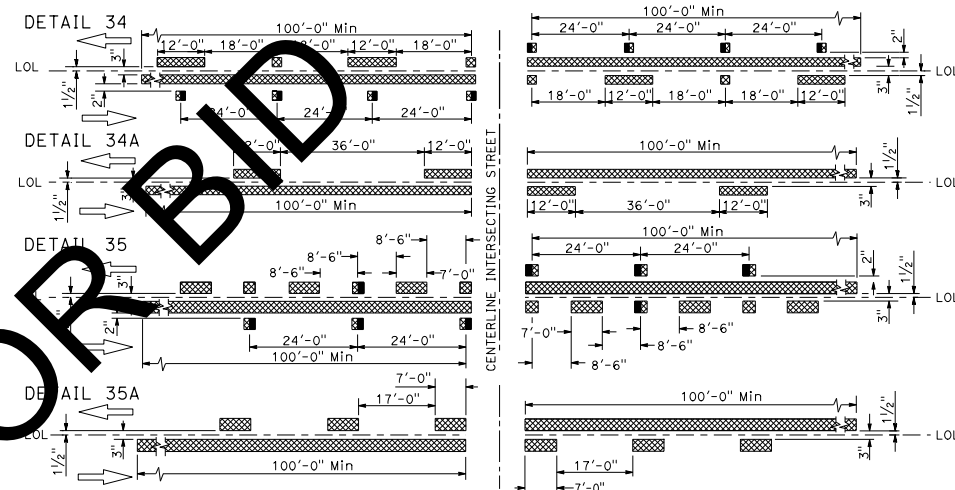


	TYPE D	TWO-WAY YELLOW RETROREFLECTIVE
	TYPE H	ONE-WAY YELLOW RETROREFLECTIVE
	TYPE RY	RED-YELLOW RETROREFLECTIVE

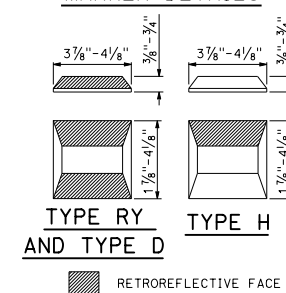
 6" WHITE

 6" YELLOW

INTERSECTION TREATMENTS



MARKER DETAILS



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20B

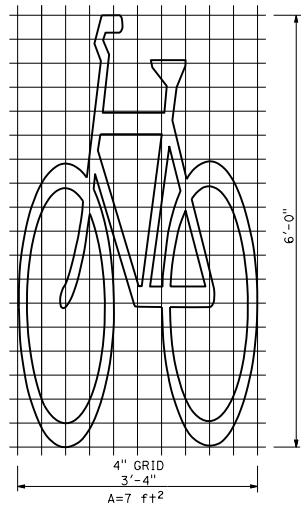
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEET

Atifa Ferouz
REGISTERED CIVIL ENGINEER

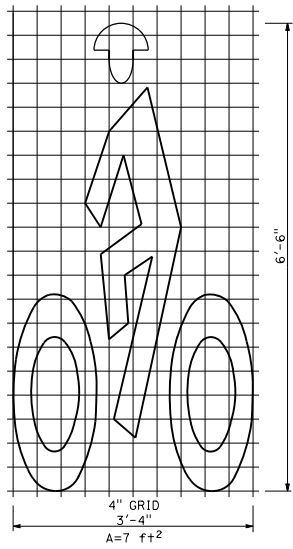
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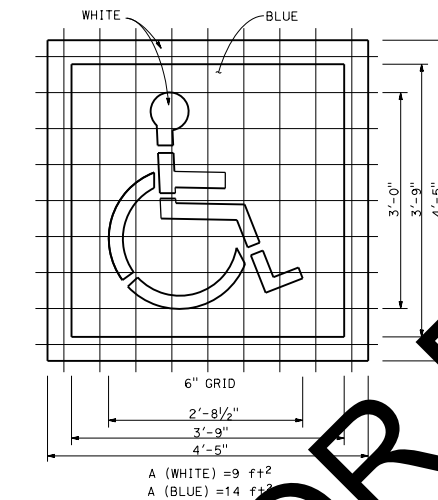
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STATE OF CALIFORNIA



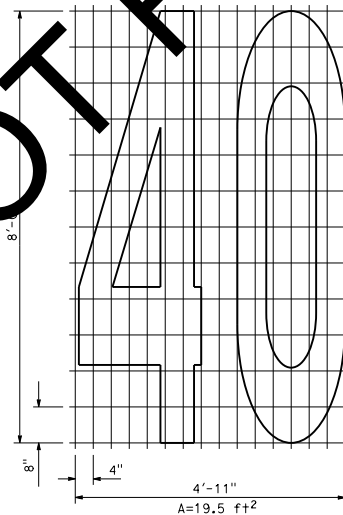
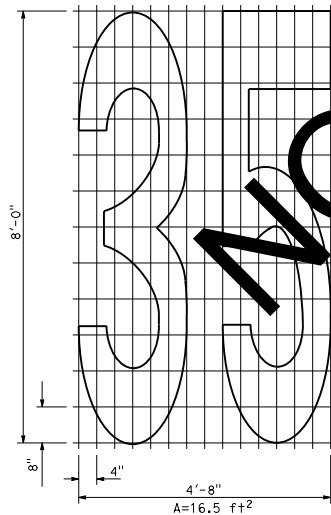
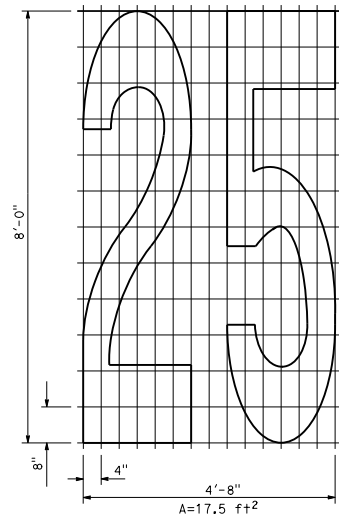
**BIKE LANE SYMBOL
WITHOUT PERSON**



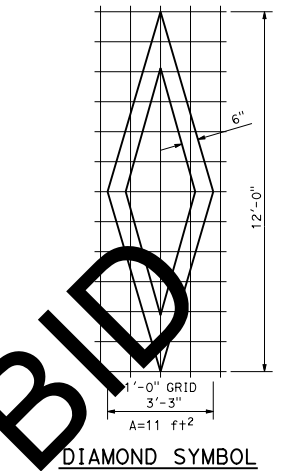
**BIKE LANE SYMBOL
WITH PERSON**



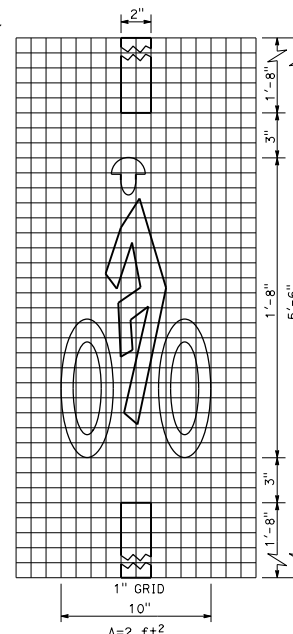
**INTERNATIONAL SYMBOL
OF ACCESSIBILITY (ISA) MARKING**



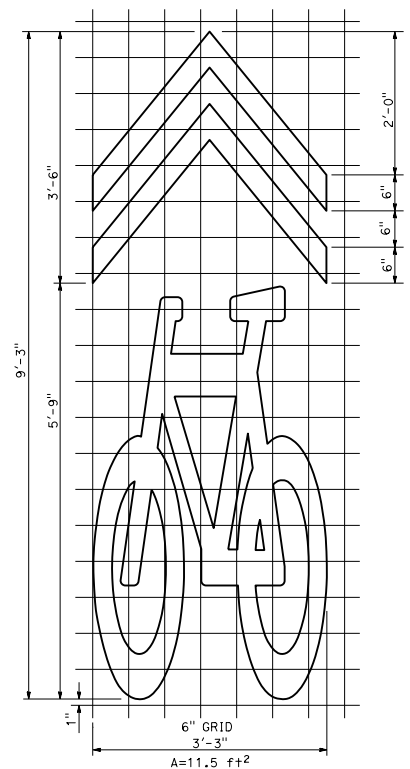
NUMERALS



DIAMOND SYMBOL



**BICYCLE LOOP
DETECTOR SYMBOL**



SHARED ROADWAY BICYCLE MARKING

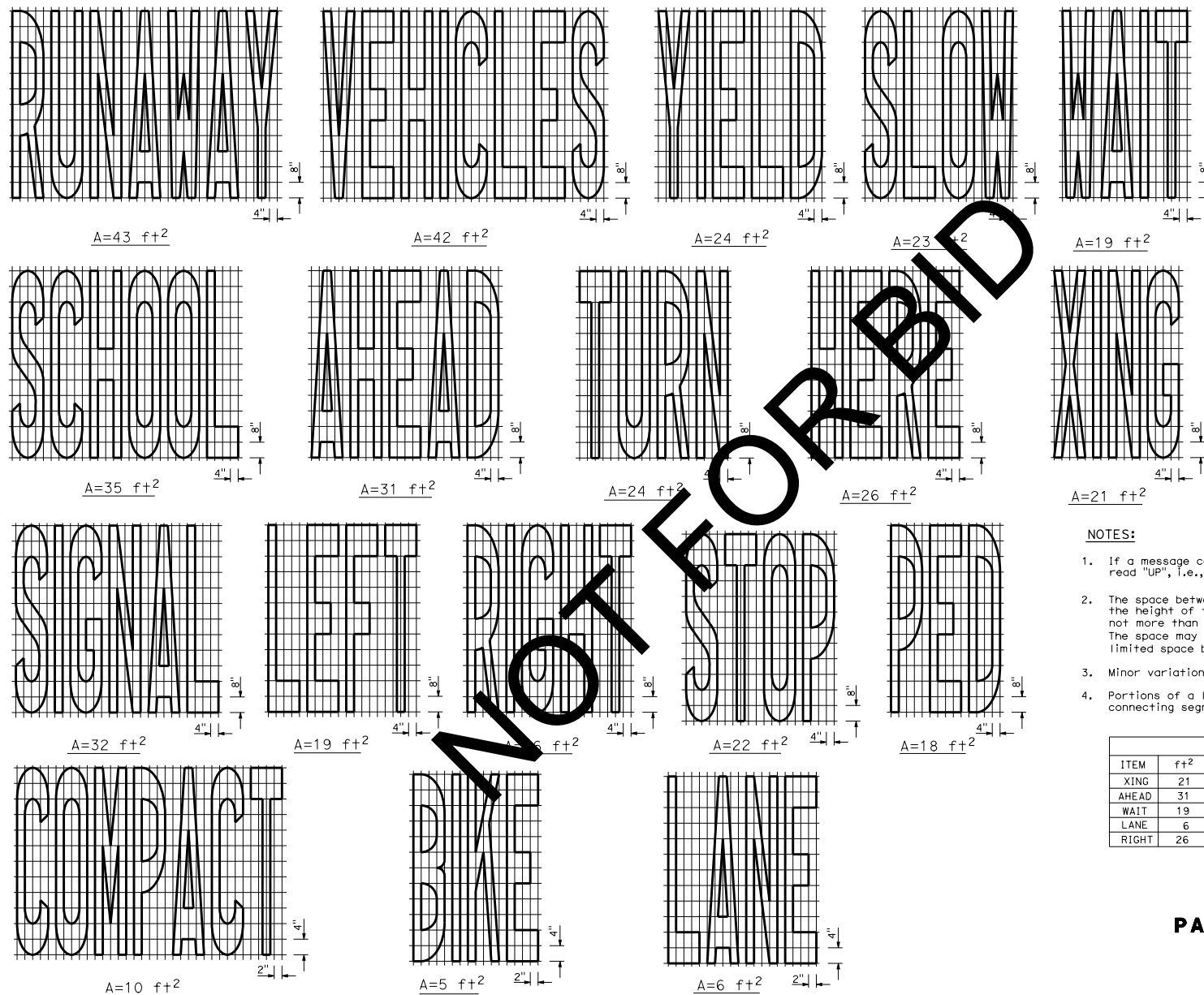
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
SYMBOLS AND NUMERALS**
NO SCALE

A 24C

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS
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Atifa Jazany No. C80402 Exp. 3-31-19 CIVIL STATE OF CALIFORNIA				

NOTE:

Minor variations in dimensions may be accepted by the Engineer.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Atifa Ferouz
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
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 COPIES OF THIS PLAN SHEET.

Atifa Ferouz
 No. C80402
 Exp. 3-31-19
 CIVIL
 STATE OF CALIFORNIA

NOTES:

- If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
- The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
- Minor variations in dimensions may be accepted by the Engineer.
- Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

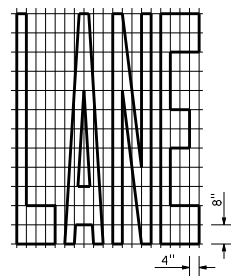
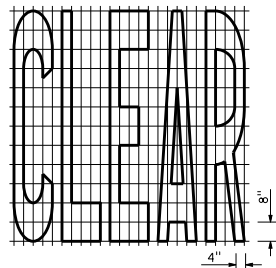
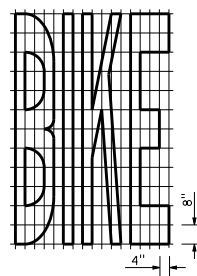
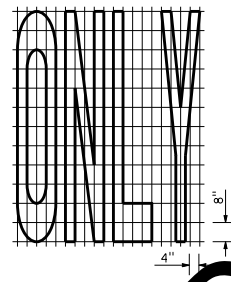
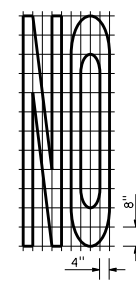
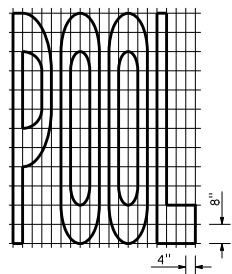
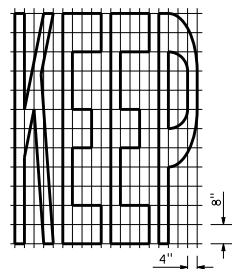
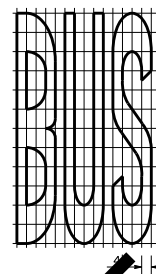
WORD MARKINGS

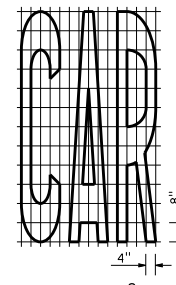
ITEM	f+2	ITEM	f+2	ITEM	f+2	ITEM	f+2
XING	21	YIELD	24	BIKE	5	PED	18
AHEAD	31	SCHOOL	35	SLOW	23	COMPACT	10
WAIT	19	SIGNAL	32	STOP	22	RUNAWAY	43
LANE	6	TURN	24	LEFT	19	VEHICLES	42
RIGHT	26	HERE	26				

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 WORDS**

NO SCALE

A 24D


 $A=24 f+2$

 $A=27 f+2$

 $A=21 f+2$

 $A=22 f+2$

 $A=14 f+2$

 $A=23 f+2$

 $A=24 f+2$

 $A=20 f+2$

 $A=16 f+2$

 $A=17 f+2$

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

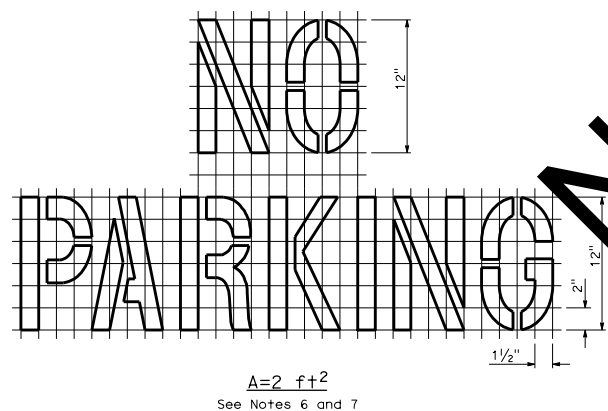
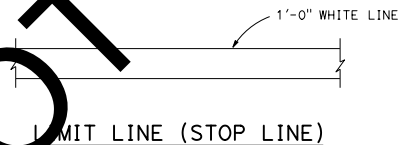
Atifa Ferouzi
 REGISTERED CIVIL ENGINEER
 No. C80402
 EXP. 3-31-19
 CIVIL
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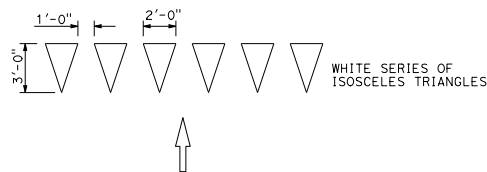
WORD MARKINGS			
ITEM	f+2	ITEM	f+2
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16

NOTES:

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- The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
- Minor variations in dimensions may be accepted by the Engineer.
- Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
- The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
- The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.


 $A=2 f+2$
 See Notes 6 and 7


LIMIT LINE (STOP LINE)

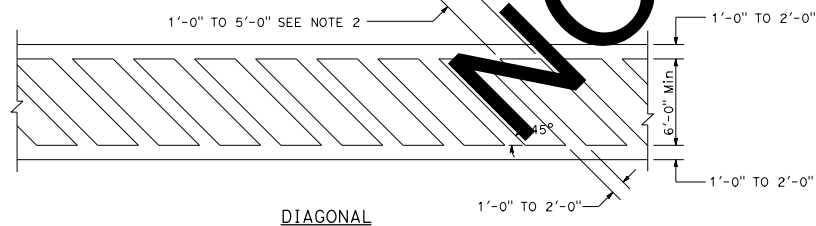
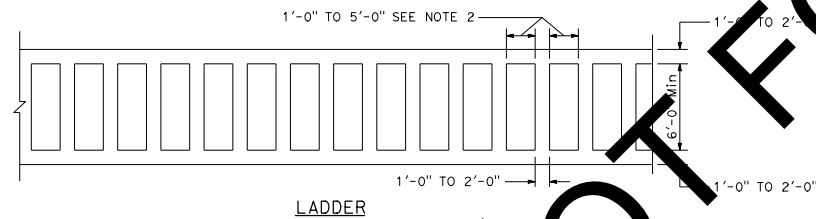
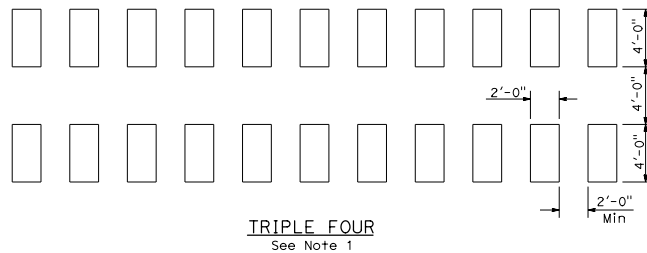
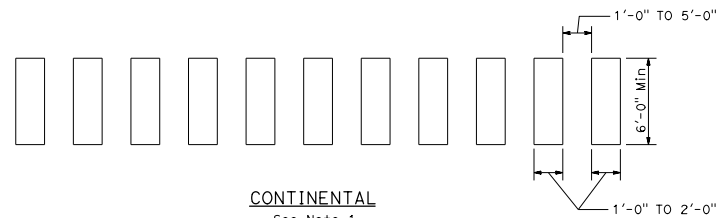

 WHITE SERIES OF
 ISOSCELES TRIANGLES

YIELD LINE

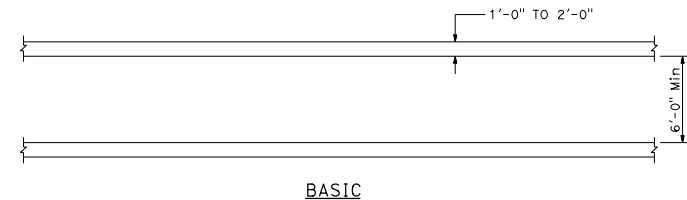
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES

NO SCALE

A 24E



HIGHER VISIBILITY CROSSWALKS



NOTES:

1. Spaces between markings must be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except those near schools must be yellow.

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REGISTERED CIVIL ENGINEER

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STATE OF CALIFORNIA

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BASIC

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
CROSSWALKS**

NO SCALE

A24F

2018 STANDARD PLAN A24F

Note: The contractor shall take all necessary measurements and photos of all existing traffic control devices including stripes, pavement markings, and channelizes prior to their removal. The purpose for measurements and photos is to establish a record of existing traffic control devices. The record shall be used for repainting and applying traffic stripes and pavement markings. The pavement markings and traffic striping shall be repainted and applied per as directed by the engineer and per the "Paint Pavement Markings sections of these Special Provisions.

Provide centerline and edge line breaks at all listed intersections as directed by Engineers.

1. ALMERIA AVENUE FROM CERES AVE N 0.08M

STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	AD	0.000	0.000	CERES AVENUE
Pavement Marking	12" White Limit Line	SB	0.008	0.000	N,CERES AVE
Pavement Marking	STOP	SB	0.009	0.000	N,CERES AVE
N/A	END TCD INVENTORY RTE	NS	0.080	0.000	END,SEQ

2. AMARYLLIS COURT FROM HIBISCUS AVE N 0.08M

STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS AVE
N/A	END TCD INVENTORY RTE	ZZ	0.077	0.000	END,MAINT-CUL DE SAC

3. ARBOR AVENUE FROM 0.03M S, EL MOLINO ST/EL MOLINO

STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,MAINT
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.030	0.000	EL MOLINO ST-END

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**4. ATHOL STREET FROM PINE AVE N&E/ BEECH AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	PINE AVE-BEG
Road directional change	TURNING MOVEMENT-N,E,S,W	ZZ	0.067	0.000	URNS EAST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.196	0.000	PINE AVE
Pavement Marking	STOP	EB	0.245	0.000	W,HEMLOCK AVE
Pavement Marking	12" White Limit Line	EB	0.248	0.000	W,HEMLOCK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.253	0.000	HEMLOCK AVE
Pavement Marking	12" White Limit Line	WB	0.257	0.000	E,HEMLOCK AVE
Pavement Marking	STOP	WB	0.259	0.000	E,HEMLOCK AVE
Pavement Marker	2W BLUE RAISED PVT MKR-REFL-FD	EW	0.378	0.000	.13M W,BEECH AVE
Pavement Marking	STOP	EB	0.496	0.000	W,BEECH AVE
Pavement Marking	12" White Limit Line	EB	0.500	0.000	W,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.503	0.000	BEECH AVE-END

**5. ATHOL STREET FROM PINE AVE N&E/ELM AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	PINE AVE-BEG
Road directional change	TURNING MOVEMENT-N,E,S,W	ZZ	0.060	0.000	URNS EAST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.193	0.000	PINE AVE
Pavement Marking	STOP	EB	0.243	0.000	W,ELM AVE
Pavement Marking	12" White Limit Line	EB	0.246	0.000	W,ELM AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.250	0.000	ELM AVE

**6. ATHOL STREET FROM IRONWOOD DR E 0.07M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 025**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	AD	0.000	0.000	BEG SEQ
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	IRONWOOD DR
Intersection	SYSTEM SEQUENCE CHANGE	AD	0.070	0.000	END,SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

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YARD: 03

**7. ATHOL STREET FROM 0.07M E, IRONWOOD DR E/POPLAR
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 027**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,SEQ
Pavement Marking	STOP	EB	0.117	0.000	W,POPLAR ST
Pavement Marking	12" White Limit Line	EB	0.120	0.000	W, POPLAR ST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.126	0.000	POPLAR AVE

**8. AZALEA AVENUE FROM VENUS LN E/CUPID WAY
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	VENUS LANE-BEG
Pavement Marking	STOP	EB	0.045	0.000	W,CUPID WY
Pavement Marking	12" White Limit Line	EB	0.049	0.000	W,CUPID WY
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.050	0.000	CUPID WAY-END

**9. BAMBOO COURT FROM 0.03M W, RAFFIA LN E/LIVE OAK
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG-AT CUL DE SAC
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.029	0.000	RAFFIA LN
Pavement Marking	STOP	EB	0.055	0.000	W,LIVE OAK AVE
Pavement Marking	WHITE CROSSWALK	NS	0.058	0.000	W,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.068	0.000	LIVE OAK AVE-END

**10. BANANA AVENUE FROM 0.14M S, VALLEY BLVD N/VALLEY
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 033**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	.14M S,VALLEY BLVD
Detail 22	NO PASSING DOUBLE YELLOW W/RPM	NS	0.083	0.127	300FT S,VALLEY BL N/VALLEY BL
Pavement Marking	WHITE CROSSWALK	PS	0.127	0.000	S,VALLEY BLVD
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.140	0.000	END,SEQ-AT VALLEY BLVD

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**11. BOX ELDER COURT FROM HIBISCUS AVE N/0.08M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	BEG OF SEQ
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS
N/A	END TCD INVENTORY RTE		0.080	0.000	END

**12. BOX ELDER COURT FROM 0.04 M S GRANADA AVE N/MERRILL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG SEQ
Intersection	CO MAINT ROAD-ISECTN		0.040	0.000	GRANADA AVE
Pavement Marking	STOP	NB	0.100	0.000	S,MERRILL AVE
Pavement Marking	12" White Limit Line	NB	0.104	0.000	S,MERRILL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.110	0.000	MERRILL AVE

**13. BUNNY LANE FROM 0.11M S, RANDALL AVE N. RANDALL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG
Pavement Marking	STOP	NB	0.096	0.000	S,RANDALL AVE
Pavement Marking	12" White Limit Line	NB	0.098	0.000	S,RANDALL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.106	0.000	RANDALL AVE

**14. CAMBRIA STREET FROM REDWOOD AVE E/DEMPSEY AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	AD	0.000	0.000	REDWOOD AVE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.209	0.000	DEMPSEY AVE

**15. CAMBRIA STREET FROM SUNGLOW AVE E 0.05M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 055**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SUNGLOW AVE
N/A	END TCD INVENTORY RTE	ZZ	0.050	0.000	END MAINT.

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**16. CAMBRIA STREET FROM FREMONTIA AVE E/SULTANA AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 060**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	FREMONTIA AVE-BEG
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.039	0.000	SULTANA AVE-END

**17. CARMEL DRIVE FROM VENUS LN E/PANDORA LN
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	VENUS LN
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.027	0.000	CUPID WAY
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.060	0.000	END,SEQ-AT PANDORA LN

**18. CARMEL DRIVE FROM PANDORA LN E/KIWI AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	PANDORA LN
Pavement Marker	2W BLUE RAISED PVT MKR-REFL-FD	WB	0.008	0.000	42FT E,PANDORA LN
Pavement Marking	12" White Limit Line	EB	0.054	0.000	31.5 FT W,KIWI AVENUE
Pavement Marking	STOP	EB	0.056	0.000	23.5 FT W, KIWI AVENUE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.060	0.000	KIWI AVE

**19. CARMEL STREET FROM REDWOOD AVE E/DEMPSEY AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	AD	0.000	0.000	BEG,SEQ-REDWOOD AVE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Pavement Marker	2W BLUE RAISED PVT MKR-REFL-FD	EW	0.008	0.000	E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.209	0.000	DEMPSEY AVE

**20. CARMEL STREET FROM SUNGLOW AVE E 0.05E
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 060**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SUNGLOW AVE
N/A	END TCD INVENTORY RTE	ZZ	0.050	0.000	END,SEQ

SAN BERNARDINO COUNTY
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**21. CAROB LANE FROM CAROB ST E 0.03E
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	NS	0.000	0.000	CAROB ST
N/A	END TCD INVENTORY RTE	ZZ	0.030	0.000	END SEQ

**22. CAROB STREET FROM CAROB LN N/RANDALL AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CAROB CT
Intersection	CO MAINT ROAD-ISECTN	EW	0.060	0.000	TULIP CT
Pavement Marking	STOP	NB	0.086	0.000	S,RANDALL AVE
Pavement Marking	12" White Limit Line	NB	0.089	0.000	S,RANDALL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.097	0.000	RANDALL AVENUE

**23. CAROB STREET FROM 0.12M S, MERRILL AVE N/MERRILL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,SEQ-.12M S,MERRILL-CUL DE
Pavement Marking	STOP	NB	0.112	0.000	S,MERRILL AVE
Pavement Marking	WHITE CROSSWALK	EW	0.115	0.000	S,MERRILL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.120	0.000	MERRILL AVE-END,SEQ

**24. CERES AVENUE FROM MERRILL N&E/CATAWBA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	MERRILL AVE-BEG
Pavement Marking	12" White Limit Line	SB	0.007	0.000	N,MERRILL AVE
Detail 21	NO PASSING DOUBLE YELLOW	NS	0.007	0.286	MERRILL AVE N 0.29M
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	0.007	0.160	MERRILL AVE N&E 810FT
Pavement Marking	STOP	SB	0.009	0.000	N,MERRILL AV
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.011	0.180	MERRILL AVE N&E 890FT
Road directional change	TURNING MOVEMENT-N,E,S,W	ZZ	0.063	0.000	TURNS E
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.229	0.318	310FT W,REDWOOD AVE E 470FT
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.288	0.000	REDWOOD AVE
Detail 21	NO PASSING DOUBLE YELLOW	WB	0.292	0.311	E,REDWOOD AVE E/100FT
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	0.294	0.533	REDWOOD AVE E/LIVE OAK AVE
Detail 1	6" DASH YEL CL 40MPH OR LESS	EW	0.311	0.516	120FT E,REDWOOD AVE E .21M

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AREA: FTA

YARD: 03

Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.403	0.474	607FT E, REDWOOD AVE E 375FT
Detail 15	NO PASS. ONE DIR 40MPH OR LESS	EB	0.516	0.535	125FT W, LIVE OAK AVE E/LIVE OAK
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.540	0.000	LIVE OAK AVE
Detail 15	NO PASS. ONE DIR 40MPH OR LESS	WB	0.544	0.563	E, LIVE OAK AVE E/100FT
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.545	0.563	30FT E, LIVE OAK AVE E 95FT
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	0.545	0.782	LIVE OAK AVE E 1250 FT
Detail 1	6" DASH YEL CL 40MPH OR LESS	EW	0.563	0.753	121FT E, LIVE OAK AVE E .19M
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.582	0.601	225FT E, LIVE OAK AVE E 100FT
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.688	0.701	755FT E, LIVE OAK AVE E 65FT
Detail 21	NO PASSING DOUBLE YELLOW	EW	0.753	0.787	205FT W, HEMLOCK AVE E 180FT
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	0.791	0.915	HEMLOCK AVE E 660FT
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.791	0.000	HEMLOCK AVE
Detail 15	NO PASS. ONE DIR 40MPH OR LESS	WB	0.794	0.817	HEMLOCK AVE E 121FT
Detail 1	6" DASH YEL CL 40MPH OR LESS	EW	0.817	1.007	137FT E, HEMLOCK AVE E .19M
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	0.917	1.070	660FT E, HEMLOCK E 595FT
¹ Detail 21	NO PASSING DOUBLE YELLOW	EW	1.007	1.293	185FT W, BEECH AVE E/ELM AVE
Pavement Marking	STOP	EB	1.035	0.000	W, BEECH AVE
Pavement Marking	12" White Limit Line	EB	1.038	0.000	W, BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	1.042	0.000	BEECH AVE
Pavement Marking	12" White Limit Line	WB	1.046	0.000	E, BEECH AVE
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	1.047	1.107	E, BEECH AVE E 315FT
Pavement Marking	STOP	WB	1.048	0.000	E, BEECH AVE
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	1.093	1.132	270FT E, BEECH AVE E 200FT
Intersection	CO MAINT ROAD-ISECTN	ZZ	1.139	0.000	GOLDMINE AVENUE
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	1.143	1.226	GOLDMINE AVE E 440FT
Intersection	CO MAINT ROAD-ISECTN	ZZ	1.212	0.000	MARCONA AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	1.297	0.000	ELM AVE
Detail 15	NO PASS. ONE DIR 40MPH OR LESS	WB	1.301	1.321	E, ELM AVE E/100FT
Detail 1	6" DASH YEL CL 40MPH OR LESS	EW	1.321	1.524	130FT E, ELM AVE E .20M
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	1.362	1.514	343FT E, ELM AVE E 800FT
¹ Detail 27B	6" WHITE RIGHT EDGE LINE	EB	1.516	1.689	0.22M E, ELM AVE E/913FT
¹ Detail 21	NO PASSING DOUBLE YELLOW	EB	1.524	1.796	125FT W, POPLAR AVE E/CATAWBA AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	1.548	0.000	POPLAR AVE
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	1.625	1.635	410FT E, POPLAR AVE E 53FT

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

Intersection	CO MAINT ROAD-ISECTN	ZZ	1.682	0.000	ALMERIA AVE
Intersection	NON-MAINT ROAD-CO	NB	1.750	0.000	NIAGARA RD
Detail 27B	6" WHITE RIGHT EDGE LINE	EB	1.774	1.789	130FT W,CATAWBA AVE E/CATAWBA
Detail 27B	6" WHITE RIGHT EDGE LINE	WB	1.760	1.794	210FT W,CATAWBA RD E,CATWBA
Pavement Marking	STOP	EB	1.793	0.000	W,CATAWBA AVE
Pavement Marking	12" White Limit Line	EB	1.796	0.000	W,CATAWABA AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	1.799	0.000	CATAWBA AVE-END

¹Provide centerline and edge line breaks at all listed intersections

**25. CIMMARON COURT FROM HAWTHORNE AVE N 0.03M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HAWTHORNE AVE
N/A	END TCD INVENTORY RTE	ZZ	0.030	0.000	END,SEQ

**26. CITRON AVENUE FROM 0.03M, GOLDMINE AVE E 0.06M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG SEQ
Intersection	CO MAINT ROAD-ISECTN		0.029	0.000	GOLDMINE AVE
N/A	END TCD INVENTORY RTE	ZZ	0.057	0.000	END,SEQ

**27. CITRON AVENUE FROM 0.03M W, MARCONA AVE E .05M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,MAINT
Intersection	CO MAINT ROAD-ISECTN		0.030	0.000	MARCONA AVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.050	0.000	END,MAINT

**28. CITRON AVENUE FROM 0.02M E, MARCONA AVE E/ELM AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 011**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.000	0.000	BEG,SEQ 105FT E,MARCONA AVE
Pavement Marking	STOP	EB	0.058	0.000	W,ELM AVE
Pavement Marking	WHITE CROSSWALK	EB	0.060	0.000	W,ELM AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.060	0.000	ELM AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**29. CITRON AVENUE FROM ELM AVE E 0.07M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 012**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	ELM AVE
0	END TCD INVENTORY RTE	ZZ	0.070	0.000	END,SEQ

**30. CITRON AVENUE FROM 0.12M W, POPLAR AVE E/0.07M E POPLAR
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 016**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	AD	0.000	0.000	BEG SEQ
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.124	0.000	POPLAR AVE
N/A	END TCD INVENTORY RTE	ZZ	0.190	0.000	END,SEQ-AT CULDESAC

**31. COPPER LANE FROM 0.11M S, RANDALL AVE N/RANDALL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG OF SEQ
Pavement Marking	STOP	NB	0.093	0.000	S,RANDALL AVE
Pavement Marking	12" White Limit Line	NB	0.096	0.000	S,RANDALL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.105	0.000	RANDALL AVE

**32. CUPID WAY FROM EL MOLINO ST N/SAN BERNARDINO
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	EL MOLINO STREET 319600025
Pavement Marking	12" White Limit Line	SB	0.005	0.000	N,EL MOLINO ST
Pavement Marking	STOP	SB	0.007	0.000	N,EL MOLINO ST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.162	0.000	AZALEA AVENUE 141650010
Pavement Marking	STOP	NB	0.209	0.000	S,SAN BERNARDINO AVE
Pavement Marking	12" White Limit Line	NB	0.212	0.000	S,SAN BERNARDINO AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.219	0.000	SAN BERNARDINO AVENUE

**33. CUPID WAY FROM SAN BERNARDINO AVE N/CARMEL DR
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SAN BERNARDINO AVE
Pavement Marking	12" White Limit Line	SB	0.010	0.000	N, SAN BERNARDINO AVE
Pavement Marking	STOP	SB	0.012	0.000	N, SAN BERNARDINO AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.030	0.000	CARMEL DR

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**34. DEMPSEY AVENUE FROM CARMEL ST N/CAMBRIA ST
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	AD	0.000	0.000	BEG SEQ
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CARMEL ST
Intersection	CO MAINT ROAD-ISECTN	AD	0.058	0.000	CAMBRIA ST

**35. DEMPSEY AVENUE FROM HAWTHORNE AVE N/SEQUOIA AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	BEG OF SEQ
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	HAWTHORN AVE
Pavement Marking	STOP	NB	0.069	0.000	28 FEET S; SEQUOIA AVE
Pavement Marking	12" White Limit Line	NB	0.000	0.000	18 FEET S; SEQUOIA AVENUE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.070	0.000	SEQUOIA

**36. DIANTHUS AVENUE FROM REDWOOD AVE E 0.06E
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE
N/A	END ROAD,RED BKGRD-BLK SCOTCHL	EB	0.060	0.000	AT END SEQ-315FT E,REDWOOD AVE

**37. DIANTHUS AVENUE FROM ELM AVE E 0.05E
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 007**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	ELM AVE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,ELM AVE
Pavement Marking	STOP	WB	0.007	0.000	E,ELM AVE
N/A	END TCD INVENTORY RTE	ZZ	0.050	0.000	END,MAINT

**38. DRACENA COURT FROM HAWTHORNE AVE N 0.03M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HAWTHORNE AVE-BEG,SEQ
N/A	END TCD INVENTORY RTE	ZZ	0.025	0.000	END,SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**39. EBONY PLACE FROM SENNA CT E/LIVE OAK AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SENNA CT-BEG
Pavement Marking	STOP	EB	0.084	0.000	W,LIVE OAK AVE
Pavement Marking	WHITE CROSSWALK	EW	0.087	0.000	W,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.095	0.000	LIVE OAK AVE-END

**40. EL MOLINO STREET FROM REDWOOD E/ARBOR AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.003	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.006	0.000	E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.160	0.000	ARBOR AVE-END

**41. EL MOLINO STREET FROM LIVE OAK AVE E/0.03M E, CUPID
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 025**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	LIVE OAK AVE
Pavement Marking	12" White Limit Line	WB	0.009	0.000	E,LIVE OAK AVE
Pavement Marking	STOP	WB	0.010	0.000	E,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.037	0.000	VENUS LANE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.092	0.000	CUPID WAY
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.130	0.000	158FT E,CUPID WAY

**42. EL MOLINO STREET FROM 0.03M E, CUPIDWAY E/ HEMLOCK
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 027**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	.03M E,CUPID WAY-BEG SEQ
Intersection	CO MAINT ROAD-ISECTN		0.031	0.000	ROBINIA ST
Pavement Marking	STOP	EB	0.116	0.000	W,HEMLOCK AVE
Pavement Marking	12" White Limit Line	EB	0.119	0.000	W,HEMLOCK AVE
Intersection	CO MAINT ROAD-ISECTN		0.124	0.000	HEMLOCK AVE-END SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

43. EL MOLINO STREET FROM BEECH AVE E 0.09M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 029

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	NS	0.000	0.000	BEECH AVE
Pavement Marking	12" White Limit Line	WB	0.007	0.000	E,BEECH AVE
Pavement Marking	STOP	WB	0.009	0.000	50FT E,BEECH AVE

44. EUGENIA AVENUE FROM RANDALL AVE N 0.13M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	RANDALL AVE-BEG
Pavement Marking	12" White Limit Line	SB	0.007	0.000	N,RANDALL AVE
Pavement Marking	STOP	SB	0.008	0.000	N,RANDALL AVE
N/A	END TCD INVENTORY RTE	ZZ	0.130	0.000	END,SEQ

45. FERN AVENUE FROM HAWTHORNE AVE N/SEQUOIA AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HAWTHORNE AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.050	0.000	SEQUOIA AVE-END,SEQ

46. FONTLEE LANE FROM 0.04M W, HEMLOCK AVE E/HEMLOCK
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	AD	0.000	0.000	BEG, SEQ
Pavement Marking	STOP	EB	0.034	0.000	W,HEMLOCK AVE
Pavement Marking	12" White Limit Line	EB	0.036	0.000	W,HEMLOCK AVE
Intersection	CO MAINT ROAD-ISECTN	AD	0.040	0.000	HEMLOCK AVE

47. FERNONTIA AVENUE, FROM SAN BERNARDINO AVE/CAMBRIA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 013

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SAN BDNO AVE
Pavement Marking	12" White Limit Line	SB	0.009	0.000	N,SAN BDNO AVE
Pavement Marking	STOP	SB	0.011	0.000	N,SAN BDNO AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.097	0.000	CAMBRIA ST-END

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**48. FREMONTIA AVENUE FROM HAWTHORNE AVE N 0.02M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HAWTHORNE AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.163	0.000	TULIP CT
N/A	END TCD INVENTORY RTE	ZZ	0.200	0.000	END,SEQ-195FT N,TULIP CT

**49. FREMONTIA AVENUE, FROM HIBISCUS AVE/0.03M N, ORCHID
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS AVE-BEG
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.068	0.000	ORCHID AVE
N/A	END TCD INVENTORY RTE	ZZ	0.098	0.000	END,MAINT

**50. FREMONTIA AVE, FROM 0.03M N, ORCHID AVE N/0.07M N, GRANADA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.000	0.000	BEG,SEQ-.03M N,ORCHID AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.024	0.000	GRANADA AVE
N/A	END TCD INVENTORY RTE	ZZ	0.077	0.000	CUL DE SAC-END

**51. GOLDMINE AVENUE FROM CERES AVE N/CITRON AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	BEG-CERES AVE
Pavement Marking	12" White Limit Line	SB	0.006	0.000	N,CERES AVE
Pavement Marking	STOP	SB	0.008	0.000	N,CERES AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.050	0.000	END-CITRON AVE

**52. GRANADA AVENUE FROM REDWOOD AVE E/BOX ELDER COURT
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.051	0.000	ISLAY AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.099	0.000	BOX ELDER CT

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**53. GRANADA AVENUE FROM LIVE OAK AVE E 0.13M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	NS	0.000	0.000	LIVE OAK AVENUE
Pavement Marking	WHITE CROSSWALK	PE	0.008	0.000	E,LIVE OAK AVE
Pavement Marking	STOP	WB	0.012	0.000	E,LIVE OAK AVE
N/A	END TCD INVENTORY RTE	ZZ	0.130	0.000	END,SEQ

**54. GRANADA AVENUE FROM GRANADA CT E/HEMLOCK AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	GRANADA CT-BEG
Pavement Marking	STOP	EB	0.029	0.000	W,HEMLOCK AVE
Pavement Marking	12" White Limit Line	EB	0.032	0.000	W,HEMLOCK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.037	0.000	HEMLOCK AVE-END

**55. GRANADA AVENUE FROM FREMONTIA AVE E 0.03M W, SULTANA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	FREMONTIA AVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.030	0.000	END,SEQ-.03M W,SULTANA AVE

**56. GRANADA AVENUE FROM 0.03M W,SULTANA AVE E 0.10M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	AD	0.000	0.000	BEG SEQ .03M W,SULTANA
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.030	0.000	SULTANA AVE
N/A	END TCD INVENTORY RTE	ZZ	0.090	0.000	END SEQ

**57. GRANADA AVENUE FROM POPLAR AVE E 0.04M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	POPLAR AVE
Pavement Marking	12" White Limit Line	WB	0.004	0.000	E,POPLAR ST
Pavement Marking	STOP	WB	0.006	0.000	E, POPLAR ST
N/A	END TCD INVENTORY RTE	AD	0.040	0.000	END SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**58. GRANADA COURT FROM 0.03M S, GRANADA AVE N/.02M N, GRANADA AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,MAINT
Intersection	CO MAINT ROAD-ISECTN		0.025	0.000	GRANADA AVE
N/A	END TCD INVENTORY RTE	ZZ	0.050	0.000	END,MAINT

**59. GUAVA COURT FROM 0.12M S MERRILL AVE N/MERRILL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	.12M S,MERRILL AVE BEG SEQ
Pavement Marking	STOP	NB	0.109	0.000	58FT S,MERRILL AVE
Pavement Marking	12" White Limit Line	NB	0.112	0.000	S,MERRILL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.120	0.000	MERRILL AVE-END

**60. HAWTHORNE AVENUE FROM REDWOOD AVE E/DEMPSEY AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE-ON RD SEQ 005
Pavement Marking	12" White Limit Line	WB	0.005	0.000	25FT E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	35FT E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.034	0.000	FERN AVE
Intersection	CO MAINT ROAD-ISECTN	NS	0.094	0.000	DRACENA CT
Intersection	CO MAINT ROAD-ISECTN	NS	0.154	0.000	CIMARRON CT
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.215	0.000	DEMPSEY AVE
N/A	END TCD INVENTORY RTE	ZZ	0.220	0.000	END,SEQ

**61. HAWTHORNE AVENUE FROM BEECH AVE E/0.02M E, SULTANA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	BEECH AVE
Pavement Marking	12" White Limit Line	WB	0.007	0.000	E,BEECH AVE
Pavement Marking	STOP	WB	0.009	0.000	E,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	NS	0.061	0.000	FRMONTIA AVE
Intersection	CO MAINT ROAD-ISECTN	NS	0.105	0.000	SULTANA AVE
N/A	END TCD INVENTORY RTE	ZZ	0.127	0.000	END,SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**62. HIBISCUS AVENUE FROM LIVE OAK AVE E&N/ORCHID ST
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	LIVE OAK AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.004	0.000	E, LIVE OAK AVE
Pavement Marking	STOP	WB	0.006	0.000	E,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.058	0.000	ORCHID AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.260	0.000	ORCHID AVE-END

**63 HIBISCUS AVENUE FROM HEMLOCK AVE E/MARCONA AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HEMLOCK AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,HEMLOCK AVE
Pavement Marking	STOP	WB	0.007	0.000	E,HEMLOCK AVE
Pavement Marking	STOP	EB	0.243	0.000	W,BEECH AVE
Pavement Marking	12" White Limit Line	EB	0.247	0.000	W,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.251	0.000	BEECH AVE
Pavement Marking	12" White Limit Line	WB	0.257	0.000	E,BEECH AVE
Pavement Marking	STOP	WB	0.259	0.000	E,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.312	0.000	FREMONTIA AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.447	0.000	MARCONA AVE-END

**64. HIBISCUS STREET FROM ELM AVE E/0.02M E, LIME AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	ELM AVENUE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,ELM AVE
Pavement Marking	STOP	WB	0.007	0.000	E,ELM AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.054	0.000	IRONWOOD COURT 439823010
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.107	0.000	LIME AVENUE 494400015
N/A	SYSTEM SEQUENCE CHANGE	ZZ	0.120	0.000	105FT E,LIME AVE

**65. HIBISCUS STREET FROM 0.02M E, LIME AVE, E/POPLAR AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE		0.000	0.000	BEG,SEQ-105FT E,LIME AVE
Pavement Marking	STOP	EB	0.117	0.000	W,POPLAR ST
Pavement Marking	12" White Limit Line	EB	0.120	0.000	W, POPLAR ST
Intersection	CO MAINT ROAD-ISECTN		0.124	0.000	POPLAR AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**66. HOLLY DRIVE FROM REDWOOD AVE E 0.12M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE
Pavement Marking	12" White Limit Line	WB	0.006	0.000	28FT E,REDWOOD AVE
Pavement Marking	STOP	WB	0.008	0.000	36FT E,REDWOOD AVE
N/A	END TCD INVENTORY RTE		0.105	0.000	END,RD

**67. HOLLY DRIVE FROM 0.11M W, BEECH AVE E/BEECH AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG SEQ
Intersection	CO MAINT ROAD-ISECTN	EB	0.046	0.000	LARKSPUR DR
Pavement Marking	STOP	EB	0.094	0.000	W,BEECH AVE
Pavement Marking	12" White Limit Line	EB	0.096	0.000	W,BEECH AVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.105	0.000	END,SEQ-AT BEECH AVE

**68. HOLLY DRIVE FROM BEECH AVE E 0.12M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	BEECH AVE
Pavement Marking	12" White Limit Line	WB	0.007	0.000	E,BEECH AVE
Pavement Marking	STOP	WB	0.009	0.000	E,BEECH AVE
N/A	END TCD INVENTORY RTE	ZZ	0.120	0.000	END,RD

**69. HOLLY DRIVE FROM 0.12M E, BEECH AVE E/MARCONA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 025**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG SEQ .12M E,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN		0.030	0.000	MARCONA AVE-END SEQ

**70. HUFF COURT FROM 0.06M W, ELM AVE E/ELM AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	EW	0.000	0.000	BEG
Pavement Marking	STOP	EB	0.052	0.000	W,ELM ST
Pavement Marking	12" White Limit Line	EB	0.055	0.000	W,ELM ST
Intersection	CO MAINT ROAD-ISECTN		0.060	0.000	ELM ST

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

71. IRIS DRIVE FROM CALABASH AVE E/0.19M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CALABASH AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.004	0.000	E,CALABASH
Pavement Marking	STOP	WB	0.005	0.000	E,CALABASH AVE
N/A	END TCD INVENTORY RTE		0.190	0.000	END,MAINT

72. IRIS DRIVE FROM REDWOOD AVE E/LIVE OAK AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.005	0.000	27FT E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Pavement Marking	STOP	EB	0.242	0.000	W,LIVE OAK AVE
Pavement Marking	12" White Limit Line	EB	0.245	0.000	W,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.250	0.000	LIVE OAK AVE-END

73. IRONWOOD COURT FROM HIBISCUS AVE N 0.08M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS STREET
N/A	END TCD INVENTORY RTE	ZZ	0.075	0.000	END OF RTE

74. IRONWOOD DRIVE FROM PINE AVE N/ATHOL ST
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	PINE AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.050	0.000	ATHOL ST

75. SLAY AVENUE FROM HIBISCUS AVE N/ORCHID AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	BEG OF SEQ
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS AVE
Intersection	CO MAINT ROAD-ISECTN	EW	0.070	0.000	ORCHID AVE
N/A	END TCD INVENTORY RTE	NS	0.070	0.000	END OF SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**76. ISLAY AVENUE FROM GRANADA AVE N 0.06M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	GRANADA AVE
N/A	END TCD INVENTORY RTE	ZZ	0.060	0.000	END OF SEQ

**77. KIWI AVENUE FROM SAN BERNARDINO AVE N/0.08M N, CARMEL D
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SAN BERNARDINO AVE
Pavement Marking	WHITE CROSSWALK	SB	0.009	0.000	N,SBO AVE
Pavement Marking	STOP	SB	0.013	0.000	N,SBO AVE
Intersection	CO MAINT ROAD-ISECTN		0.043	0.000	CARMEL DR
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.120	0.000	END,SEQ

**78. KIWI AVENUE FROM 0.08M N CARMEL DR N/MANZANITA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.000	0.000	BEG,SEQ
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.030	0.000	MANZANITA DR
N/A	END TCD INVENTORY RTE	ZZ	0.030	0.000	END,MAINT

**79. KIWI AVENUE FROM RANDALL AVE N/END
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	RANDALL AVE-BEG. MAINT.
Pavement Marking	12" White Limit Line	SB	0.007	0.000	N,RANDALL AVE
Pavement Marking	STOP	SB	0.009	0.000	N,RANDALL AVE
Pavement Marker	2W BLUE RAISED PVT MKR-REFLECT	NS	0.011	0.000	53FT N,RANDALL AVE
0	END TCD INVENTORY RTE		0.119	0.000	END,SEQ

**80. LARKSPUR DRIVE FROM SAN BERNARDINO AVE N 0.13M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SAN BDO AVE
Pavement Marking	12" White Limit Line	SB	0.004	0.000	N,SAN BDO AVE
Pavement Marking	STOP	SB	0.006	0.000	(2) N,SAN BDO AVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.130	0.000	END,SEQ-110FT S,MANZANITA AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**81. LARKSPUR DRIVE FROM 0.02M S, MANZANITA DR N/HOLLY
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	SYSTEM SEQUENCE CHANGE	NS	0.000	0.000	BEG,SEQ-110FT S,MANZANITA DR
Intersection	CO MAINT ROAD-ISECTN	EW	0.021	0.000	MANZANITA DR
Pavement Marking	STOP	NB	0.085	0.000	S,HOLLY DR
Pavement Marking	12" White Limit Line	NB	0.088	0.000	S,HOLLY DR
Intersection	CO MAINT ROAD-ISECTN		0.093	0.000	HOLLY DR

**82. LARKSPUR DRIVE FROM 0.12M S, MERRILL AVE N/MERRILL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 070**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,SEQ-.12M S,MERRILL-CUL DE
Pavement Marking	STOP	NB	0.112	0.000	S,MERRILL AVE
Pavement Marking	WHITE CROSSWALK	EW	0.115	0.000	S,MERRILL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.120	0.000	MERRILL AVE-END,SEQ

**83. LIME AVENUE FROM HIBISCUS AVE N ORCHID ST
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS ST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.060	0.000	ORCHID ST

**84. LIME COURT FROM END N/MERRILL AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	BEG
Pavement Marking	STOP	NB	0.094	0.000	34FT S,MERRILL AVE
Pavement Marking	12" White Limit Line	NB	0.096	0.000	26FT S,MERRILL AVE
Intersection	CO MAINT ROAD-ISECTN	EW	0.103	0.000	MERRILL AVE
N/A	END TCD INVENTORY RTE	NS	0.103	0.000	END OF SEQ

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**85. LIVE OAK AVENUE FROM MERRILL N/CERES
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 060**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	MERRILL AVE
Pavement Marking	12" White Limit Line	SB	0.004	0.000	N,MERRILL AVE
Detail 27B	6" WHITE RIGHT EDGE LINE	NB	0.004	0.058	MERRILL AVE N/CERES AVE
Detail 27B	6" WHITE RIGHT EDGE LINE	SB	0.004	0.058	MERRILL AVE N/CERES AVE
Detail 21	NO PASSING DOUBLE YELLOW	SB	0.004	0.058	MERRILL AVE N/CERES AVE
Pavement Marking	STOP	SB	0.005	0.000	N,MERRILL AVE
Pavement Marking	STOP AHEAD	NB	0.027	0.000	200FT S,CERES AVENUE
Pavement Marking	STOP	NB	0.058	0.000	S,CERES AVE
Pavement Marking	12" White Limit Line	NB	0.059	0.000	S,CERES AVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.060	0.000	END,SEQ-AT CERES

**86. LIVE OAK AVENUE FROM CERES N/AT & SF
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 070**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CERES AVE
Pavement Marking	12" White Limit Line	SB	0.003	0.000	N,CERES AVE
Detail 21	NO PASSING DOUBLE YELLOW	SB	0.003	0.026	CERES AVE N 120FT
Pavement Marking	STOP	SB	0.005	0.000	N,CERES AVE
0	END TCD INVENTORY RTE	ZZ	0.060	0.000	END,MAINT

**87. LOS NIETOS COURT FROM HEMLOCK AVE E 0.13M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HEMLOCK AVE
Pavement Marking	WHITE CROSSWALK	NS	0.005	0.000	E,HEMLOCK AVE
Pavement Marking	STOP	WB	0.009	0.000	E,HEMLOCK AVE

**88. MALLORY DRIVE FROM REDWOOD AVE E 0.13M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	REDWOOD AVE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E, REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E, REDWOOD AVE
N/A	END TCD INVENTORY RTE	ZZ	0.124	0.000	END,RD-.12M E,REDWOOD AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**89. MANZANITA DRIVE FROM REDWOOD AVE E 0.11M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 011**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE
Pavement Marking	WHITE CROSSWALK	NS	0.005	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.008	0.000	E,REDWOOD AVE
N/A	END TCD INVENTORY RTE	EW	0.105	0.000	END MAINTAIN-CULDESAC

**90. MANZANITA DRIVE FROM LIVE OAK AVE E 0.12M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 012**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	LIVE OAK AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	PE	0.007	0.000	E,LIVE OAK AVE
Pavement Marking	STOP	WB	0.011	0.000	E,LIVE OAK AVE
N/A	END TCD INVENTORY RTE	EW	0.120	0.000	END,ROAD

**91. MANZANITA DRIVE FROM 0.03M W, KIWI AVE/HEMLOCK AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 013**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,MAINT
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.044	0.000	KIWI AVE
Pavement Marking	STOP	EB	0.090	0.000	W,HEMLOCK AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	EB	0.090	0.000	W,HEMLOCK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.090	0.000	HEMLOCK AVE

**92. MANZANITA DRIVE FROM END E/LARKSPUR DR
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,SEQ-335FT W,LARKSPUR DR
Pavement Marking	STOP	EB	0.052	0.000	W,LARKSPUR DR
Pavement Marking	12" White Limit Line	EB	0.055	0.000	W,LARKSPUR DR
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.060	0.000	LARKSPUR DR

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

93. MARCONA AVENUE FROM SAN BERNARDINO AVE N/0.03M, SEQUOIA**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 003**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	SAN BERNARDINO AVE
Pavement Marking	WHITE CROSSWALK	ZZ	0.009	0.000	48FT N, SAN BERNARDINO AVE
Pavement Marking	STOP	SB	0.013	0.000	69FT- N,SAN BERNARDINO AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.221	0.000	HOLLY DRIVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.290	0.000	364FT N, HOLLY DR

94. MARCONA AVENUE FROM 0.03M W, S, SEQUOIA AVE N/RANDALL**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 004**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	.03M S, SEQUOIA AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.034	0.000	SEQUOIA AVE
Pavement Marking	STOP	NB	0.233	0.000	48FT S, RANDALL AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	PS	0.237	0.000	32FT S, RANDALL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.240	0.000	RANDALL AVE

95. MACRONA AVENUE FROM RANDALL AVE 0.11M**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	RANDALL AVE
Pavement Marking	12" White Limit Line	SB	0.008	0.000	N,RANDALL AVE
Pavement Marking	STOP	SB	0.010	0.000	N,RANDALL AVE
0	END TCD INVENTORY RTE		0.108	0.000	END,SEQ

96. MARCONA AVENUE FROM HIBISCUS N/0003M N, ORCHID**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS AVE-BEG
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.067	0.000	ORCHID AVE
0	END TCD INVENTORY RTE		0.100	0.000	END,SEQ

97. MARCONA AVENUE FROM CERES AVE N/CITRON AVE**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CERES AVE-BEG
Pavement Marking	12" White Limit Line	SB	0.005	0.000	N,CERES AVE
Pavement Marking	STOP	SB	0.006	0.000	N,CERES AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.055	0.000	CITRON AVE-END

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

98. MORNING GLORY PLACE FROM 0.12M S, RANDALL AVE N/RANDALL**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	.12M S,RANDALL AVE
Pavement Marking	STOP	NB	0.106	0.000	S,RANDALL AVE (HIST RANDALL)
Pavement Marking	YELLOW CROSSWALK (BASIC)	PS	0.109	0.000	S,RANDALL AVE (HIST RANDALL)
Intersection	CO MAINT ROAD-ISECTN	EW	0.120	0.000	RANDALL AVENUE

99. NIAGRA DRIVE FROM CERES AVE N 0.08M**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	CERES AVE
Pavement Marking	12" White Limit Line	SB	0.006	0.000	N,CERES AVE
Pavement Marking	STOP	SB	0.008	0.000	40FT N,CERES AVE
N/A	END TCD INVENTORY RTE	NS	0.080	0.000	END OF MAINT

100. ORCHID AVENUE FROM REDWOOD AVE/ISLAY AVE**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD
Pavement Marking	12" White Limit Line	WB	0.006	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.050	0.000	ISLAY AVE

101. ORCHID AVENUE FROM HIBISCUS HIBUSCUS N&E/HEMLOCK**STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.164	0.000	ROBINIA ST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.199	0.000	HIBISCUS AVE
Pavement Marking	STOP	EB	0.247	0.000	W,HEMLOCK AVE
Pavement Marking	12" White Limit Line	EB	0.250	0.000	W,HEMLOCK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.254	0.000	HEMLOCK AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**102. ORCHID AVENUE FROM FREMONTIA E/ELM
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	FREMONTIA AVE
Pavement Marking	12" White Limit Line	WB	0.004	0.000	E,FREMONTIA
Pavement Marking	STOP	WB	0.005	0.000	E,FREMONTIA
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.135	0.000	MARCONA AVE
Pavement Marking	STOP	EB	0.184	0.000	W,ELM AVE
Pavement Marking	12" White Limit Line	EB	0.187	0.000	W,ELM AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.191	0.000	ELM AVE

**103. ORCHID STREET FROM END E/BEECH
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	ZZ	0.000	0.000	BEG,MAINT
Pavement Marking	STOP	EB	0.120	0.000	W,BEECH AVE
Pavement Marking	12" White Limit Line	EB	0.120	0.000	W,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.120	0.000	BEECH AVE

**104. ORCHID STREET FROM LIME AVE E 0.02M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	LIME AVENUE
N/A	END TCD INVENTORY RTE	EB	0.020	0.000	80FT E,LIME AVE

**105. PANDORA LANE FROM CARMEL DR N 0.07M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CARMEL DR
N/A	END TCD INVENTORY RTE	ZZ	0.070	0.000	END,MAINT

**106. PAPAYA PLACE FROM 0.12M S, RANDALL AVE N/RANDALL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE	NS	0.000	0.000	.12M S,RANDALL AVE
Pavement Marking	STOP	NB	0.107	0.000	S,RANDALL AVE-HIST RANDALL
Pavement Marking	YELLOW CROSSWALK (BASIC)	PS	0.109	0.000	S,RANDALL AVE-HIST RANDALL
Intersection	CO MAINT ROAD-ISECTN	EW	0.120	0.000	RANDALL AVENUE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**107. PINE AVENUE FROM REDWOOD AVE E/LIVE OAK AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE
Pavement Marking	12" White Limit Line	WB	0.006	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.094	0.000	PINE CT
Pavement Marking	STOP	EB	0.241	0.000	W,LIVE OAK AVE
Pavement Marking	12" White Limit Line	EB	0.244	0.000	W,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	AD	0.250	0.000	LIVE OAK AVE

**108. PINE AVENUE FROM BEECH E&N/ATHOL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 020**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	BEECH AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	PE	0.007	0.000	E,BEECH AVE
Pavement Marking	STOP	WB	0.009	0.000	E,BEECH AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.059	0.000	ATHOL ST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.250	0.000	ATHOL ST

**109. PINE AVENUE FROM ELM AVE E/0.07M E, IRONWOOD
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 025**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	ELM ST
Pavement Marking	12" White Limit Line	WB	0.006	0.000	E,ELM AVE
Pavement Marking	STOP	WB	0.008	0.000	E,ELM AVE
Intersection	CO MAINT ROAD-ISECTN	AD	0.056	0.000	IRONWOOD DR
N/A	END TCD INVENTORY RTE	ZZ	0.130	0.000	END SEQ

**110. PINE AVENUE FROM 0.07M E, IRONWOOD DR E/POPLAR
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
N/A	BEGINNING OF TCD INVENTORY RTE		0.000	0.000	BEG
Object Marker	CITY LIMS MKR	EW	0.118	0.000	SW COR,POPLAR AVE
Pavement Marking	STOP	EB	0.118	0.000	W,POPLAR ST
Pavement Marking	12" White Limit Line	EB	0.121	0.000	W, POPLAR ST
Intersection	CO MAINT ROAD-ISECTN		0.126	0.000	POPLAR ST

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**111. PINE COURT FROM PINE AVE N/END
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	PINE AVE-BEG
N/A	END TCD INVENTORY RTE		0.080	0.000	END,SEQ

**112. PINEDALE AVENUE FROM ELM AVE E 0.05M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	ELM AVE
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,ELM AVE
Pavement Marking	STOP	WB	0.007	0.000	E,ELM AVE
N/A	END TCD INVENTORY RTE	ZZ	0.050	0.000	END,MAINT

**113. POPLAR AVENUE FROM RANDALL AVE N/MERRILL AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	RANDALL AVE
Pavement Marking	12" White Limit Line	SB	0.007	0.000	N,RANDALL AVE
Pavement Marking	STOP	SB	0.008	0.000	N,RANDALL AVE
Pavement Marking	STOP AHEAD	SB	0.036	0.000	190FT N,RANDALL AVE
Intersection	CO MAINT ROAD-ISECTN	EW	0.066	0.000	PINE AVE
Intersection	CO MAINT ROAD-ISECTN	EW	0.220	0.000	ATHOL ST-W LEG
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.246	0.000	ATHOL ST-E LEG
Intersection	CO MAINT ROAD-ISECTN	EW	0.283	0.000	HIBISCUS ST
Intersection	CO MAINT ROAD-ISECTN		0.350	0.000	ORCHID AVE
Intersection	CO MAINT ROAD-ISECTN		0.416	0.000	GRANADA AVE
Pavement Marking	STOP AHEAD	NB	0.427	0.000	60FT N,GRANADA AVE
Pavement Marking	SPEED LIMIT 25	SB	0.484	0.000	84FT S,MERRILL AVE
Pavement Marking	STOP	NB	0.496	0.000	S,MERRILL AVE
Pavement Marking	12" White Limit Line	NB	0.498	0.000	S,MERRILL AVE
Intersection	SYSTEM SEQUENCE CHANGE	ZZ	0.500	0.000	END,SEQ-AT MERRILL AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**114. POPLAR AVENUE FROM CERES AVE N CITRON AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 070**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CERES AVE
Pavement Marking	12" White Limit Line	SB	0.004	0.000	N,CERES AVE
Pavement Marking	STOP	SB	0.007	0.000	N,CERES AVE
Intersection	CO MAINT ROAD-ISECTN	EW	0.059	0.000	CITRON AVE
N/A	END TCD INVENTORY RTE	ZZ	0.059	0.000	CITRON AVE-END,MAINT

**115. QUAIL LANE FROM HEMLOCK AVE E/END
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	NS	0.000	0.000	HEMLOCK AVE
Pavement Marking	12" White Limit Line	WB	0.006	0.000	E,HEMLOCK AVE
Pavement Marking	STOP	WB	0.007	0.000	E,HEMLOCK AVE
N/A	END TCD INVENTORY RTE		0.107	0.000	END,SEQ

**116. RAFFIA LANE FROM HIBISCUS AVE N/BAMBOO CT
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HIBISCUS AVE-BEG
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.090	0.000	BAMBOO CT-END

**117. ROBINIA STREET FROM EL MOLINO ST N/SAN BERNARDINO
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	EL MOLINO ST
Pavement Marking	12" White Limit Line	SB	0.005	0.000	N,EL MOLINO ST
Pavement Marking	STOP	SB	0.007	0.000	N,EL MOLINO ST
Pavement Marking	STOP	NB	0.210	0.000	S,SAN BERNARDINO AVE
Pavement Marking	12" White Limit Line	NB	0.213	0.000	S,SAN BERNARDINO AVE
Intersection	CO MAINT ROAD-ISECTN		0.220	0.000	SAN BERNARDINO AVE-END SEQ

**118. ROBINIA STREET FROM ORCHID N/MERRILL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	ORCHID AVE-BEG
Pavement Marking	STOP	NB	0.147	0.000	S,MERRIL AVE
Pavement Marking	12" White Limit Line	NB	0.150	0.000	S,MERRIL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.150	0.000	MERRILL AVE-END

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**119. ROSEMARY DRIVE FROM CALABASH AVE E/END
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CALABASH AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.004	0.000	E,CALABASH AVE
Pavement Marking	STOP	WB	0.005	0.000	E,CALABASH AVE
0	END TCD INVENTORY RTE		0.190	0.000	END,MAINT

**120. ROSEMARY DRIVE FROM REDWOOD E/HEMLOCK
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 030**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	REDWOOD AVE-BEG
Pavement Marking	12" White Limit Line	WB	0.005	0.000	E,REDWOOD AVE
Pavement Marking	STOP	WB	0.007	0.000	E,REDWOOD AVE
Pavement Marking	STOP	EB	0.243	0.000	W,LIVE OAK AVE
Pavement Marking	12" White Limit Line	EB	0.246	0.000	W,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.251	0.000	LIVE OAK AVE
Pavement Marking	12" White Limit Line	WB	0.258	0.000	E,LIVE OAK AVE
Pavement Marking	STOP	WB	0.259	0.000	E,LIVE OAK AVE
Pavement Marking	STOP	EB	0.412	0.000	W,HEMLOCK AVE
Pavement Marking	12" White Limit Line	EB	0.495	0.000	W,HEMLOCK
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.590	0.000	HEMLOCK AVE

**121. SENNA COURT FROM EBONY PL N 0.05M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	EBONY PL-BEG
N/A	END TCD INVENTORY RTE		0.045	0.000	END-SEQ

**122. SEQUOIA AVENUE FROM FERN AVE E/LIVE OAK AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 005**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	SB	0.000	0.000	FERN AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.181	0.000	DEMPSEY AVE
Pavement Marking	STOP	EB	0.204	0.000	127FT E,DEMPSEY
Pavement Marking	YELLOW CROSSWALK (BASIC)	PW	0.207	0.000	W,LIVE OAK AVE
Intersection	CO MAINT ROAD-ISECTN		0.210	0.000	LIVE OAK AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**123. SEQUOIA AVENUE FROM MARCONA AVE E/ELM AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 025**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	MARCONA AVE
Pavement Marking	12" White Limit Line	WB	0.004	0.000	E,MARCONA AVE
Pavement Marking	STOP	WB	0.006	0.000	E,MARCONA AVE
Pavement Marking	STOP	EB	0.088	0.000	W,ELM AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	PW	0.092	0.000	W,ELM AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.098	0.000	ELM AVE

**124. SULTANA AVE FROM CAMBRIA ST N 0.07M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 011**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CAMBRIA ST
N/A	END TCD INVENTORY RTE	ZZ	0.070	0.000	END-CUL DE SAC

**125. SULTANA AVENUE FROM HAWTHORNE AVE N 0.09M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 013**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	HAWTHORNE AVE
N/A	END TCD INVENTORY RTE	ZZ	0.090	0.000	475FT N,HAWTHORNE AV

**126. SULTANA AVENUE FROM 0.09M N, HAWTHORNE AVE N/RANDALL
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 014**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.074	0.000	TULIP CT
Pavement Marking	STOP	NB	0.115	0.000	S,RANDALL AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	PS	0.118	0.000	S,RANDALL AVE
Intersection	CO MAINT ROAD-ISECTN	AD	0.126	0.000	RANDALL AVE

**127. SULTANA AVENUE FROM RANDALL AVE N/END
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 015**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	RANDALL AVE
Pavement Marking	12" White Limit Line	SB	0.008	0.000	N,RANDALL AVE
Pavement Marking	STOP	SB	0.010	0.000	N,RANDALL AVE
N/A	END TCD INVENTORY RTE		0.118	0.000	END,MAINT

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**128. SULTANA AVENUE FROM GRANADA AVE N/MERRILL AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 017**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	GRANADA AVE
Pavement Marking	STOP	NB	0.100	0.000	S,MERRILL AVE
Pavement Marking	12" White Limit Line	NB	0.104	0.000	S,MERRILL AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.110	0.000	MERRILL AVE

**129. SUNGLOW AVENUE FROM SAN BERNARDINO AVE N/CAMBRIA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 010**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	NB	0.000	0.000	SAN BERNARDINO AVE
Pavement Marking	YELLOW CROSSWALK (BASIC)	NB	0.009	0.000	N, SAN BERNARDINO AVE
Pavement Marking	STOP	SB	0.011	0.000	.011 MI-N,SAN BERNARDINO AVE
Intersection	CO MAINT ROAD-ISECTN	NB	0.038	0.000	CARMEL ST
Pavement Marker	2W BLUE RAISED PVT MKR-REFL-FD	NB	0.085	0.000	53FT S,CAMBRIA ST
Intersection	CO MAINT ROAD-ISECTN	NB	0.095	0.000	CAMBRIA ST

**130. TULIP COURT FROM LIVE OAK AVE E 0.06M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	EW	0.000	0.000	LIVE OAK AVE
Pavement Marking	12" White Limit Line	WB	0.007	0.000	E,LIVE OAK AVE
Pavement Marking	STOP	WB	0.009	0.000	E,LIVE OAK AVE
N/A	END TCD INVENTORY RTE	ZZ	0.060	0.000	END,SEQ

**131. TULIP COURT FROM CAROB ST E 0.03M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 060**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	NS	0.000	0.000	
N/A	END TCD INVENTORY RTE	ZZ	0.030	0.000	END SEQ

**132. TULIP COURT FROM FREMONTIA AVE E/SULTANA
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 070**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	FREMONITA AVE
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.040	0.000	SULTANA AVE

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRAFFIC DIVISION

PREP. BY: LL/JHC

DATE: 2/28/2023

AREA: FTA

YARD: 03

**133. VENUS LANE FROM EL MOLINO ST N/AZALEA AVE
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 040**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	EL MOLINO ST
Pavement Marking	12" White Limit Line	SB	0.005	0.000	N,EL MOLINO ST
Pavement Marking	STOP	SB	0.006	0.000	N,EL MOLINO ST
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.160	0.000	AZALEA AVE

**134. VENUS LANE FROM CARMEL DR N 0.07M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	CARMEL DR
N/A	END TCD INVENTORY RTE	ZZ	0.070	0.000	END,SEQ-CULDESAC

**135. YEW COURT FROM BEECH AVE E 0.11M
STRIPING AND PAVEMENT MARKING LOCATIONS SEQ 050**

TCD TYPE	DESCRIPTION	DIR	START	END	REMARKS
Intersection	CO MAINT ROAD-ISECTN	ZZ	0.000	0.000	BEECH AVE
Pavement Marking	12" White Limit Line	WB	0.008	0.000	E,BEECH AVE
Pavement Marking	STOP	WB	0.009	0.000	E,BEECH AVE
0	END TCD INVENTORY RTE	ZZ	0.110	0.000	.11M E,BEECH AVE

NOT FOR BIDD

SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS	
TRAFFIC DIVISION	
PREP. BY: LL/JHC	DATE: 2/28/2023
AREA: FTA	YARD: 03
Page 32 of 32	

BIDDER: _____

PROPOSAL

**TO THE BOARD OF SUPERVISORS
OF THE SAN BERNARDINO COUNTY
STATE OF CALIFORNIA**

For Construction On

**CERES AVENUE AND OTHER ROADS
Various Roads**

**LENGTH: 19.3 Mi
WORK ORDER: H15155
AREA: Fontana
ROAD NO.: Various Roads**

NOTICE: BIDDERS MUST OBTAIN BIDDING DOCUMENTS AND PREPARE THEIR BIDS ON FORMS OBTAINED DIRECTLY FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS OR FROM THE SAN BERNARDINO COUNTY ELECTRONIC PROCUREMENT NETWORK (ePRO) <http://epro.sbcounty.gov/epro/>. BIDS PREPARED ON FORMS OBTAINED FROM OTHER SOURCES WILL NOT BE ACCEPTED. BIDDERS MUST BE LISTED ON THE OFFICIAL PLAN HOLDERS LIST AT THE TIME BIDS ARE PUBLICLY OPENED. BIDS RECEIVED FROM BIDDERS WHO ARE NOT LISTED ON THE OFFICIAL PLAN HOLDERS LIST WILL NOT BE ACCEPTED.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein, that this proposal is made without collusion with any other person, firm, or corporation; that bidder has carefully examined the location of the proposed work, the proposed form of contract, and the plans and specifications therein referred to; and bidder proposes and agrees if this proposal is accepted, that bidder will contract with the San Bernardino County, in the form of the copy of the contract to provide all necessary machinery, tools, apparatus and other means of construction, and to do all work and furnish all the materials specified in the contract, in the manner and in the time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that bidder will take in full payment therefore the following prices, to wit:

Project: **CERES AVE AND OTHER ROADS**

W.O.#: **H15155**

Limits: **Various Roads**

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
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PROPOSAL CHECKLIST AND ASSEMBLY SEQUENCE

IMPORTANT

Failure to Properly Complete Bid Package May Result in Rejection of Bid

1

Proposal – Assemble all pages in same numbering sequence as original.

- ☐ Replacement Bid Sheets from Addendum are substituted in sequence, if applicable.
- ☐ Unit Prices are entered for all bid items (or Alternate bid items).
- ☐ Corrections or changes to the bid document are initialed.
- ☐ Subcontractors, if any, are listed.
- ☐ Public Contract Code Section 10285.1 Statement is executed.
- ☐ Public Contract Code Section 10162 Questionnaire is completed.
- ☐ Noncollusion Declaration is executed and submitted with bid.
- ☐ Bidder Information is completed and correct.
- ☐ Proposal is complete and signed by authorized company representative.

2

Addendums, if any, are acknowledged. (Normally sent by facsimile and mail)

- ☐ "Bidder's Certification" (Just the Certification page) are executed and attached.

3

Bidder's Security.

- ☐ 10% of Bid Amount in Cash, Cashier's Check, Certified Check or Bidder's Bond.
- ☐ If Bidder's Bond, surety signature is notarized.
- ☐ If Bidder's Bond, surety power of attorney is attached.

4

ePRO.

- ☐ Registered as a Vendor in the ePro System prior to date and time to receive bid.
- ☐ If submitting bid through ePro, original Bid Security submitted in a separate sealed envelope labeled "Bid Bond" with the title of the work and name of bidder marked on outside of envelope to the Department of Public Works, Front Reception. Must be received on or before the time set for the opening of bids.
- ☐ If submitting a bid through ePro, Scan and attach to your quote the Fully Executed Proposal Documents (pages P-1 thru P-14).

Project: **CERES AVE AND OTHER ROADS**

W.O.#: **H15155**

Limits: **Various Roads**

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
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☐

If submitting a bid through ePro, Scan and attach to your quote the Fully Executed Certification Page for ALL Addendums.

5

REGISTERED WITH THE DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) (SENATE BILL 854).

☐

DIR Registration Number identified for Bidder and all subcontractors.

NOT FOR BID

Bidder: _____

Project: **CERES AVE AND OTHER ROADS**

W.O.#: **H15155**

Limits: **Various Roads**

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
1	100,000	F.A	Supplemental Work (Unforeseen Differing Site Conditions and Utility Conflicts)	\$ 1.00	\$ 100,000
2	1	L.S.	Water Pollution Control Program	\$	\$
3	1	L.S.	Mobilization	\$	\$
4	1	L.S.	Traffic Control System	\$	\$
5	1	L.S.	Develop Water Supply	\$	\$
6	6	EA.	Portable Changeable Message Signs	\$	\$
7	3,750	S.F.	Remove Pavement Markings	\$	\$
8	1,450	L.F.	Remove Traffic Stripes	\$	\$
9	370	S.Y.	Remove Asphalt Concrete Surfacing	\$	\$
10	780	L.F.	Remove Concrete Curb and Gutter	\$	\$
11	190	L.F.	Remove Concrete Curb	\$	\$
12	1,100	C.Y.	Remove Concrete (Driveway and Sidewalk)	\$	\$
13	180	L.F.	Remove Asphalt Concrete Dike	\$	\$
14	60	L.F.	Remove Traversable Dike	\$	\$
15	36	L.F.	Remove Asphalt Berm	\$	\$
16	1	L.S.	Clearing and Grubbing	\$	\$
17	3,450	TON	Asphalt Concrete Leveling Course (Scratch Coat Type A, 3/8" Aggregate Gradation, PG 64-10)	\$	\$
18	8,300	TON	Rubberized Asphalt Concrete (Type G, 1/2" Aggregate Gradation, PG 64-16 RHMA)	\$	\$
19	180	L.F.	Place Asphalt Concrete Dike	\$	\$
20	81	L.F.	Place Asphalt Concrete Traversable Dike	\$	\$
21	290,000	S.Y.	Slurry Seal (Type II)	\$	\$
22	205	C.Y.	Minor Concrete (Curb, Curb and Gutter, Sidewalk and Driveway)	\$	\$
23	1	L.S.	Crack Seal	\$	\$
24	130,000	S.Y.	Asphalt Rubber Binder Seal Coat	\$	\$
25	78,000	GAL	Asphalt Rubber Binder	\$	\$
26	105,000	S.Y.	Cold Plane Asphalt Concrete Pavement	\$	\$
27	155	TON	Asphalt Concrete (Type A, 1/2" Aggregate Gradation PG-64-16)	\$	\$
28	8	E.A.	Reset Mailbox	\$	\$
29	1	E.A.	Reset Roadside Sign	\$	\$

Bidder: _____

Project: **CERES AVE AND OTHER ROADS**

W.O.#: **H15155**

Limits: **Various Roads**

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
30	22	E.A.	Pavement Marker (Retroreflective Type D)	\$	\$
31	225	E.A.	Pavement Marker (Retroreflective Blue)	\$	\$
32	14,500	L.F.	6" Traffic Stripe (2-Coat)	\$	\$
33	6,700	S.F.	Pavement Marking	\$	\$
34	5,800	L.F.	Double Yellow Traffic Stripe (2-Coat)	\$	\$
35	1	L.S.	Finishing Roadway	\$	\$
PROJECT TOTAL: \$					

NOT FOR BID

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for this purpose. In the case of unit basis items, the amount set forth under the "Total" column shall be the extension of the unit price bid on the basis of the estimated quantity for the item.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail, however, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, then the amount set forth in the "Total" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained, rounded to the next lower penny, shall be the unit price.

If this proposal shall be accepted, the contract shall be signed by the successful bidder and returned within 10 days, and the contract bonds, copy of insurance policies, and Certificates of Insurance, with documents to verify any self-insurance coverage shall be provided within 10 days, not including Saturdays, Sundays and legal holidays, after the bidder has received the contract for execution. Should the undersigned fail to contract as aforesaid, the Board of Supervisors may, at its option, determine that the bidder has abandoned the contract, and, thereupon, this proposal and the acceptance thereof shall be null and void, and the forfeiture of such security accompanying this proposal shall operate and the same may be the property of the San Bernardino County.

NOT FOR BID

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

BIDDER _____

The bidder shall complete the following information as required by the Subletting and Subcontracting Fair Practices Act, Public Contract Code section 4100 et seq.

Note: Subcontractors must be licensed and registered with the DIR (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)) at the time of the bid opening.

Information marked with ** is required. (Make additional copies of this form if needed)

SUBCONTRACTORS LIST

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

PUBLIC CONTRACT CODE SECTION 10232 STATEMENT

In accordance with Public Contract Code section 10232, the Contractor hereby states, under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT

In accordance with Public Contract Code section 10285.1, the bidder hereby declares under penalty of perjury that the bidder

has ☐ Check One has not ☐

been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code section 1101, with any public entity, as defined in Public Contract Code section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided.

The above Statements are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of these Statements.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes

11

No

11

If the answer is yes, explain the circumstances in the following space.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

PUBLIC CONTRACT CODE
SECTIONS 9204, 20104, 20104.2, 20104.4, 20104.6, AND 20104.50
RESOLUTION OF CONSTRUCTION CLAIMS AND PROMPT PAYMENT

9204

(a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.

(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2) (A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The

public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute

resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

20104.

(a)(1) This article applies to all public works claims of three hundred seventy-five thousand dollars (\$375,000) or less which arise between a contractor and a local agency.

(2) This article shall not apply to any claims resulting from a contract between a contractor and a public agency when the public agency has elected to resolve any disputes pursuant to Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2.

(b)(1) "Public work" means "public works contract" as defined in Section 1101 but does not include any work or improvement contracted for by the state or the Regents of the University of California.

(2) "Claim" means a separate demand by the contractor for (A) a time extension, (B) payment of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the local agency.

(c) The provisions of this article or a summary thereof shall be set forth in the plans or specifications for any work which may give rise to a claim under this article.

(d) This article applies only to contracts entered into on or after January 1, 1991.

20104.2 For any claim subject to this article, the following requirements apply:

(a) The claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims.

(b)(1) For claims of less than fifty thousand dollars (\$50,000), the local agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.

(3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

(c)(1) For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the local agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.

(3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further documentation, or within a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.

(d) If the claimant disputes the local agency's written response, or the local agency fails to respond within the time prescribed, the claimant may so notify the local agency, in writing, either within 15 days of receipt of the local agency's response or within 15 days of the local agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the local agency shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(e) Following the meet and confer conference, if the claim or any portion remains in dispute, the claimant may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of these provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim pursuant to subdivision (d) until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

(f) This article does not apply to tort claims and nothing in this article is intended nor shall be construed to change the time periods for filing tort claims or actions specified by Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

20104.4 The following procedures are established for all civil actions filed to resolve claims subject to this article:

(a) Within 60 days, but no earlier than 30 days, following the filing or responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide for the selection within 15 days by both parties of a disinterested third person as mediator, shall be commenced within 30 days of the

submittal, and shall be concluded within 15 days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court or by stipulation of both parties. If the parties fail to select a mediator within the 15-day period, any party may petition the court to appoint the mediator.

(b)(1) If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1141.11 of that code. The Civil Discovery Act (Title 4 (commencing with Section 2016.10) of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration.

(2) Notwithstanding any other provision of law, upon stipulation of the parties, arbitrators appointed for purposes of this article shall be experienced in construction law, and, upon stipulation of the parties, mediators and arbitrators shall be paid necessary and reasonable hourly rates of pay not to exceed their customary rate, and such fees and expenses shall be paid equally by the parties, except in the case of arbitration where the arbitrator, for good cause, determines a different division. In no event shall these fees or expenses be paid by state or county funds.

(3) In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, any party who after receiving an arbitration award requests a trial de novo but does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, pay the attorney's fees of the other party arising out of the trial de novo.

(c) The court may, upon request by any party, order any witnesses to participate in the mediation or arbitration process.

20104.6

(a) No local agency shall fail to pay money as to any portion of a claim which is undisputed except as otherwise provided in the contract.

(b) In any suit filed under Section 20104.4, the local agency shall pay interest at the legal rate on any arbitration award or judgment. The interest shall begin to accrue on the date the suit is filed in a court of law.

ARTICLE 1.7

Modification; Performance, Payment

20104.50

(a) (1) It is the intent of the Legislature in enacting this section to require all local governments to pay their contractors on time so that these contractors can meet their own obligations. In requiring prompt payment by all local governments, the Legislature hereby finds and declares that the prompt payment of outstanding receipts is not merely a municipal affair, but is, instead, a matter of statewide concern.

(2) It is the intent of the Legislature in enacting this article to fully occupy the field of public policy relating to the prompt payment of local governments' outstanding receipts. The Legislature finds and declares that all government officials, including those in local government, must set a standard of prompt payment that any business in the private sector which may contract for services should look towards for guidance.

(b) Any local agency which fails to make any progress payment within 30 days after receipt of an undisputed and properly submitted payment request from a contractor on a construction contract shall pay interest to the contractor equivalent to the legal rate set forth in subdivision (a) of Section 685.010 of the Code of Civil Procedure.

(c) Upon receipt of a payment request, each local agency shall act in accordance with both of the following:

(1) Each payment request shall be reviewed by the local agency as soon as practicable after receipt for the purpose of determining that the payment request is a proper payment request.

(2) Any payment request determined not to be a proper payment request suitable for payment shall be returned to the contractor as soon as practicable, but not later than seven days, after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.

(d) The number of days available to a local agency to make a payment without incurring interest pursuant to this section shall be reduced by the number of days by which a local agency exceeds the seven-day return requirement set forth in paragraph (2) of subdivision (c).

(e) For purposes of this article:

(1) A "local agency" includes, but is not limited to, a city, including a charter city, a county, and a city and county, and is any public entity subject to this part.

(2) A "progress payment" includes all payments due contractors, except that portion of the final payment designated by the contract as retention earnings.

(3) A payment request shall be considered properly executed if funds are available for payment of the payment request, and payment is not delayed due to an audit inquiry by the financial officer of the local agency.

(f) Each local agency shall require that this article, or a summary thereof, be set forth in the terms of any contract subject to this article.

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

**NONCOLLUSION DECLARATION
TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID**

(Public Contract Code section 7106)

The undersigned declares:

I am the _____ [title] of _____ [name of the bidder], the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

_____[date], at _____[city], _____[state].

Print Name

Signature - REQUIRED

NOTE: The above Noncollusion Declaration is part of the Bid, and failure to include the Noncollusion Declaration with the Bid will result in the Bid being found nonresponsive.

Bidders are reminded that this declaration must be signed under penalty of perjury.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

**IRAN CONTRACTING ACT OF 2010
(Public Contract Code section 2200 et seq.)**

(Applicable only to Contracts of One Million Dollars (\$1,000,000) or More):

In accordance with Public Contract Code section 2204 (a), the bidder certifies that at the time the bid is submitted or the contract is renewed, that bidder is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2203 as a person engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable. A state agency shall submit the certification information to the Department of General Services.

RUSSIAN SANCTION/EXECUTIVE ORDER N-6-22

(Applicable for all Contracts of five million dollars (\$5,000,000) or more utilizing State funding.):

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine (<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>), as well as any sanctions imposed under state law (<https://www.dgs.ca.gov/OLS/Ukraine-Russia>). The EO directs state agencies and their contractors (including by agreement or receipt of a grant) to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should it be determined that Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. Contractor shall be provided advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the County.

NOTE: The above Certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

Bidders are cautioned that making a false certification may subject bidder to civil penalties, termination of existing contract, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205.

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

Accompanying this proposal is _____

in the amount equal to at least ten percent of the total of the bid.

(Note: Insert the words "CASH (\$)," "CASHIER'S CHECK," "CERTIFIED CHECK," or "BIDDER'S BOND," as the case may be.)

The names of all persons interested in the foregoing proposal as principals are as follows:

NOTICE: If the bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if bidder or other interested person is an individual, state first and last names in full.

Licensed in accordance with an act providing for the registration of Contractors,

License No.: _____ Expiration Date: _____

Dept. of Industrial Relations Reg. No: _____ Federal Identification No.: _____

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing documents are true and correct and that the bidder satisfies all of the requirements identified in said documents.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

Print Name

Signature - REQUIRED

Title

Date: _____

Name of Bidder _____

Business Address _____

Place of Business _____

Business Phone No. _____ Business Fax No. _____

Place of Residence _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____

_____, as Principal, (hereinafter called the "Principal"),

and _____, as Surety, (hereinafter called "Surety"),

an admitted Surety insurer pursuant to Code of Civil Procedure, Section 995.120, legally doing business in California at:

are held and firmly bound unto the **SAN BERNARDINO COUNTY**, as Obligee, (hereinafter called "**Obligee**"), in the sum of

_____ Dollars (\$ _____),

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

WHEREAS, the Principal has submitted a bid for:

**PROJECT TITLE: CERES AVENUE AND OTHER ROADS, PROJECT LIMITS: VARIOUS ROADS;W. O.
NO.: H15155**

BID DATE: _____

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a contract with the Obligee in accordance with the terms of said proposal and give such bonds as may be specified in the bidding or contract documents with good and sufficient surety for the faithful performance of such contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter into such contract and give such bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this _____ day of _____, _____ Year

Principal

Surety

By: _____
Signature

By: _____
Signature, Attorney-in-Fact

Printed Name

Printed Name

Title



Contract Number

SAP Number

PUBLIC WORKS

Department Contract Representative
Telephone Number

Contractor
Contractor Representative
Telephone Number
Contract Term
Original Contract Amount
Amendment Amount
Total Contract Amount
Cost Center

IT IS HEREBY AGREED AS FOLLOWS:

(Use space below and additional bond sheets. Set forth service to be rendered, amount to be paid, manner of payment, time for performance or completion, determination of satisfactory performance and cause for termination, other terms and conditions and attach plans, specifications, and addenda, if any.)

ARTICLE I. That for and in consideration of payment and agreements hereinafter mentioned to be made and performed by County, and under the conditions expressed in the two bonds, hereunto annexed, Contractor agrees with County, at Contractor's own proper cost and expense to do all the work and to furnish all the materials necessary to construct and complete in a good, workmanlike and substantial manner, this project to the satisfaction of the Director of Public Works in accordance with the following documents, which are incorporated herein by this reference, and the articles set out below:

Plans entitled: Plans for Construction on Ceres Avenue and Other Roads Various Roads, Fontana area, Work Order No.: H15155; Road No.: Various Roads.

California Department of Transportation (Caltrans) 2015 Standard Specifications and the 2015 Standard Plans, including the Caltrans 2015 Revised Standard Specifications and the 2015 Revised Standard Plans (Revisions on both the Standard Specifications and the Standard Plans through July 21, 2017), unless specified otherwise in the contract documents.

Special Provisions entitled: Special Provisions for Construction on Ceres Avenue and Other Roads Various Roads; Length: 19.3 Mi; Work Order No.: H15155; Area: Fontana; Road No.: Various Roads.

ARTICLE II. Contractor agrees to receive and accept the following prices as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work, until its acceptance by the County, and for all risks of every description connected with the work; also for expenses incurred by or in consequence of the suspension or discontinuance of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit: of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit:

Project: CERES AVE AND OTHER ROADS

W.O.#: H15155

Limits: Various Roads

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
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*Table of Contract Quantities, Items and
Prices will be shown here*

NOT FOR BID

ARTICLE III. County hereby promises and agrees with Contractor to employ and does hereby employ Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to, for the prices aforesaid, and thereby contracts to pay the same at the time, in the manner and upon conditions above set forth, and said parties hereto for themselves, their heirs, executors, administrators, successors and assigns do hereby agree to the full performance of the covenants herein contained.

ARTICLE IV. Contractor shall accept all payments from County via electronic funds transfer (EFT) directly deposited into the Contractor's designated checking or other banking account. Contractor shall promptly comply with directions and accurately complete forms provided by County required to process EFT payments.

ARTICLE V. Contractor may, upon written request and at their expense, deposit substitute securities found in Government Code Section 16430 as authorized by Public Contract Code Section 22300 in lieu of retention monies withheld to insure performance.

ARTICLE VI. It is further expressly agreed by and between the parties hereto that, should there be any conflict between the terms of this instrument and the bid or proposal of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

ARTICLE VII. During the term of the Contract, Contractor shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. CONTRACTOR shall comply with Executive Orders 11236, 11375, 11625, 12138, 12432, 12250, Title VI and VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act, County Policy and other applicable federal, state and County laws, regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

ARTICLE VIII. By my signature hereunder, as Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

ARTICLE IX. By my signature hereunder, as Contractor, I certify that I am aware of the provisions and requirements of Sections 1777.5 and 1777.7 of the Labor Code relating to apprenticeship standards; and that I accept responsibility for compliance with the provisions of Section 1777.5 for all apprenticeable occupations pertaining to performance of work under this contract.

ARTICLE X. By my signature hereunder, as Contractor, I agree that County has the right to review, obtain and copy all records pertaining to performance of the contract. I agree to provide County with any relevant information requested and shall permit County access to company's premises upon reasonable notice for purposes on interviewing employees and inspecting records. I shall maintain all project records for at least three (3) years after final payment under the contract.

ARTICLE XI. Contractor shall comply with the Prevailing Wage Laws described in this Agreement, including Exhibit A.

As required by Labor Code section 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

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BOARD OF SUPERVISORS

►

Curt Hagman, Chairman, Board of Supervisors

Dated: _____
SIGNED AND CERTIFIED THAT A COPY OF THIS
DOCUMENT HAS BEEN DELIVERED TO THE
CHAIRMAN OF THE BOARD

Lynna Monell
Clerk of the Board of Supervisors
of the San Bernardino County

By _____
Deputy

(Print or type name of corporation, company, contractor, etc.)

By _____
(Authorized signature - sign in blue ink)

Name _____
(Print or type name of person signing contract)

Title _____
(Print or Type)

Dated: _____

Address _____

FOR COUNTY USE ONLY

Approved as to Legal Form

►
_____, County Counsel

Date _____

Reviewed for Contract Compliance

►

Date _____

Reviewed/Approved by Department

►

Date _____

NOT FOR BID

EXHIBIT A - PREVAILING WAGE REQUIREMENTS

A. All or a portion of the Scope of Work in the Contract requires the payment of prevailing wages and compliance with the following requirements:

1. **Determination of Prevailing Rates:**

Pursuant to Labor Code sections 1770, et seq., the County has obtained from the Director of the Department of Industrial Relations (DIR) pursuant to the California Labor Code, the general prevailing rates of per diem wages and the prevailing rates for holiday and overtime work in the locality in which the Scope of Work is to be performed. Copies of said rates are on file with the County, will be made available for inspection during regular business hours, may be included elsewhere in the specifications for the Scope of Work, and are also available online at www.dir.ca.gov. The wage rate for any classification not listed, but which may be required to execute the Scope of Work, shall be commensurate and in accord with specified rates for similar or comparable classifications for those performing similar or comparable duties. In accordance with Labor Code section 1773.2, the Contractor shall post, at appropriate and conspicuous locations on the job site, a schedule showing all applicable prevailing wage rates and shall comply with the requirements of Labor Code sections 1773, et seq.

2. **Payment of Prevailing Rates**

Each worker of the Contractor, or any subcontractor, engaged in the Scope of Work, shall be paid not less than the general prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the Contractor or any subcontractor, and such worker.

3. **Prevailing Rate Penalty**

The Contractor shall, as a penalty, forfeit two hundred dollars (\$200.00) to the County for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of the DIR for such work or craft in which such worker is employed by the Contractor or by any subcontractor in connection with the Scope of Work. Pursuant to California Labor Code section 1773, the difference between such prevailing wage rates and the amount paid to each worker for each calendar day, or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by the Contractor.

4. **Ineligible Contractors:**

Pursuant to the provisions of Labor Code section 1777.1, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a contractor or subcontractor on a public works project. This list of debarred contractors is available from the DIR website at <http://www.dir.ca.gov/Public-Works/PublicWorks.html>. Any contract entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract, and any public money that may have been paid to a debarred subcontractor by a contractor on the project shall be returned to the County. The Contractor shall be responsible for the payment of wages to workers as a debarred subcontractor who has been allowed to work on the Scope of Work.

5. **Payroll Records:**

- a. Pursuant to California Labor Code section 1776, the Contractor and each subcontractor, shall keep accurate certified payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by them in connection with the Scope of Work. The payroll records enumerated herein shall be verified by a written declaration made under penalty of perjury that the information contained in the payroll record is true and correct and that the Contractor or subcontractor has complied with the requirements of the California Labor Code sections 1771, 1811, and 1815 for any Scope of Work performed by his or her employees. The payroll records shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

- i. A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his/her authorized representative on request;
 - ii. A certified copy of all payroll records shall be made available for inspection or furnished upon request to the County, the Division of Labor Standards Enforcement of the DIR;
 - iii. A certified copy of payroll records shall be made available upon request to the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the County or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided to the County or the Division of Labor Standards Enforcement, the requesting party shall, prior to being provided the records, reimburse the cost of preparation by the Contractor, subcontractor and the entity through which the request was made; the public shall not be given access to such records at the principal office of the Contractor;
 - iv. The Contractor shall file a certified copy of the payroll records with the entity that requested such records within ten (10) days after receipt of a written request; and
 - v. Copies provided to the public, by the County or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor or any subcontractor, performing a part of the Scope of Work shall not be marked or obliterated. The Contractor shall inform the County of the location of payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address.
- b. The Contractor shall have ten (10) days from receipt of the written notice specifying in what respects the Contractor must comply with the above requirements. In the event Contractor does not comply with the requirements of this section within the ten (10) day period, the Contractor shall, as a penalty to the County, forfeit one-hundred dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement, such penalty shall be withheld from any portion of the payment then due or to become due to the Contractor.

6. Limits on Hours of Work:

Pursuant to California Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work. Pursuant to California Labor Code section 1811, the time of service of any worker employed at any time by the Contractor or by a subcontractor, upon the Scope of Work or upon any part of the Scope of Work, is limited and restricted to eight (8) hours during any one calendar day and forty (40) hours during any one calendar week, except as provided for under Labor Code section 1815. Notwithstanding the foregoing provisions, work performed by employees of Contractor or any subcontractor, in excess of eight (8) hours per day and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1½) times the basic rate of pay.

7. Penalty for Excess Hours:

The Contractor shall pay to the County a penalty of twenty-five dollars (\$25.00) for each worker employed on the Scope of Work by the Contractor or any subcontractor, for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any calendar day and forty (40) hours in any one calendar week, in violation of the provisions of the California Labor Code, unless compensation to the worker so employed by the Contractor is not less than one and one-half (1½) times the basic rate of pay for all hours worked in excess of eight (8) hours per day.

8. Senate Bill 854 (Chapter 28, Statutes of 2014) and Senate Bill 96 (Chapter 28, Statutes of 2017) Requirements:

- a. Contractor shall comply with Senate Bill 854 and Senate Bill 96. The requirements include, but are not limited to, the following:
- i. No contractor or subcontractor may be listed on a bid proposal (submitted on or after March 1, 2015) for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5, with limited exceptions from this requirements for bid purposes only as allowed under Labor Code section 1771.1(a).
 - ii. No contractor or subcontractor may be awarded a contract for public work or perform work on a public works project (awarded on or after April 1, 2015) unless registered with the DIR pursuant to Labor Code section 1725.5.
 - iii. This project is subject to compliance monitoring and enforcement by the DIR.
 - iv. As required by the DIR, Contractor is required to post job site notices, as prescribed by regulation, regarding compliance monitoring and enforcement by the DIR.
 - v. Contractors and all subcontractors must submit certified payroll records online to the Labor Commissioner for all new public works projects issued on or after April 1, 2015, and for all public works projects, new or ongoing, on or after January 1, 2016.
 - 1) The certified payroll must be submitted at least monthly to the Labor Commissioner.
 - 2) The County reserves the right to require Contractor and all subcontractors to submit certified payroll records more frequently than monthly to the Labor Commissioner.
 - 3) The certified payroll records must be in a format prescribed by the Labor Commissioner.
 - vi. Registration with the DIR and the submission of certified payroll records to the Labor Commissioner are not required if the public works project is \$25,000 or less when the project is for construction, alteration, demolition, installation or repair work, or if the public works project is \$15,000 or less when the project is for maintenance work.
- b. Labor Code section 1725.5 states the following:

"A contractor shall be registered pursuant to this section to be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any public work contract that is subject to the requirements of this chapter. For the purposes of this section, "contractor" includes a subcontractor as defined by Section 1722.1.

(a) To qualify for registration under this section, a contractor shall do all of the following:

(1) (A) Register with the Department of Industrial Relations in the manner prescribed by the department and pay an initial nonrefundable application fee of four hundred dollars (\$400) to qualify for registration under this section and an annual renewal fee on or before July 1 of each year thereafter. The annual renewal fee shall be in a uniform amount set by the Director of Industrial Relations, and the initial registration and renewal fees may be adjusted no more than annually by the director to support the costs specified in Section 1771.3.

(B) Beginning June 1, 2019, a contractor may register or renew according to this subdivision in annual increments up to three years from the date of registration. Contractors who wish to do so will be required to prepay the applicable nonrefundable application or renewal fees to qualify for the number of years for which they wish to preregister.

(2) Provide evidence, disclosures, or releases as are necessary to establish all of the following:

(A) Workers' compensation coverage that meets the requirements of Division 4 (commencing with Section 3200) and includes sufficient coverage for any worker whom the contractor

employs to perform work that is subject to prevailing wage requirements other than a contractor who is separately registered under this section. Coverage may be evidenced by a current and valid certificate of workers' compensation insurance or certification of self-insurance required under Section 7125 of the Business and Professions Code.

(B) If applicable, the contractor is licensed in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(C) The contractor does not have any delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award. However, for purposes of this paragraph, the contractor shall not be disqualified for any judgment, order, or determination that is under appeal, provided that the contractor has secured the payment of any amount eventually found due through a bond or other appropriate means.

(D) The contractor is not currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of contractors from public works.

(E) The contractor has not bid on a public works contract, been listed in a bid proposal, or engaged in the performance of a contract for public works without being lawfully registered in accordance with this section, within the preceding 12 months or since the effective date of the requirements set forth in subdivision (e), whichever is earlier. If a contractor is found to be in violation of the requirements of this paragraph, the period of disqualification shall be waived if both of the following are true:

(i) The contractor has not previously been found to be in violation of the requirements of this paragraph within the preceding 12 months.

(ii) The contractor pays an additional nonrefundable penalty registration fee of two thousand dollars (\$2,000).

(b) Fees received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(c) A contractor who fails to pay the renewal fee required under paragraph (1) of subdivision (a) on or before the expiration of any prior period of registration shall be prohibited from bidding on or engaging in the performance of any contract for public work until once again registered pursuant to this section. If the failure to pay the renewal fee was inadvertent, the contractor may renew its registration retroactively by paying an additional nonrefundable penalty renewal fee equal to the amount of the renewal fee within 90 days of the due date of the renewal fee.

(d) If, after a body awarding a contract accepts the contractor's bid or awards the contract, the work covered by the bid or contract is determined to be a public work to which Section 1771 applies, either as the result of a determination by the director pursuant to Section 1773.5 or a court decision, the requirements of this section shall not apply, subject to the following requirements:

(1) The body that awarded the contract failed, in the bid specification or in the contract documents, to identify as a public work that portion of the work that the determination or decision subsequently classifies as a public work.

(2) Within 20 days following service of notice on the awarding body of a determination by the Director of Industrial Relations pursuant to Section 1773.5 or a decision by a court that the contract was for public work as defined in this chapter, the contractor and any subcontractors

are registered under this section or are replaced by a contractor or subcontractors who are registered under this section.

(3) The requirements of this section shall apply prospectively only to any subsequent bid, bid proposal, contract, or work performed after the awarding body is served with notice of the determination or decision referred to in paragraph (2).

(e) The requirements of this section shall apply to any bid proposal submitted on or after March 1, 2015, to any contract for public work, as defined in this chapter, executed on or after April 1, 2015, and to any work performed under a contract for public work on or after January 1, 2018, regardless of when the contract for public work was executed.

(f) This section does not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work.”

c. Labor Code section 1771.1 states the following:

“(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h)(1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess, and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j)(1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at one of the following:

(i) The address of the contractor or subcontractor on file with either the Secretary of State or the Contractors' State License Board.

(ii) If the contractor or subcontractor has no address on file with the Secretary of State or the Contractors' State License Board, the address of the site of the public work.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(4) Any employee of an unregistered contractor or subcontractor who is affected by a work stoppage ordered by the commissioner pursuant to this subdivision shall be paid at his or her regular hourly prevailing wage rate by that employer for any hours the employee would have worked but for the work stoppage, not to exceed 10 days.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered into.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

d. Labor Code section 1771.3 states the following:

"a) All of the following are applicable to all public works projects that are otherwise subject to the requirements of this chapter:

(1) The call for bids and contract documents shall specify that the project is subject to compliance, monitoring and enforcement by the Department of Industrial Relations.

(2) The awarding body shall post or require the prime contractor to post job site notices, as prescribed by regulation.

(3) Each contractor and subcontractor shall furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner:

(A) At least monthly or more frequently if specified in the contract with the awarding body.

(B) In a format prescribed by the Labor Commissioner.

(4) If the contractor or subcontractor is not registered pursuant to Section 1725.5 and is performing work on a project for which registration is not required because of subdivision (f) of Section 1725.5, the unregistered contractor or subcontractor is not required to furnish the records specified in Section 1776 directly to the Labor Commissioner but shall retain the records specified in Section 1776 for at least three years after completion of the work.

(5) The department shall undertake those activities it deems necessary to monitor and enforce compliance with prevailing wage requirements.

(b) The Labor Commissioner may exempt a public works project from compliance with all or part of the requirements of subdivision (a) if either of the following occurs:

(1) The awarding body has enforced an approved labor compliance program, as defined in Section 1771.5, on all public works projects under its authority, except those deemed exempt pursuant to subdivision (a) of Section 1771.5, continuously since December 31, 2011.

(2) The awarding body has entered into a collective bargaining agreement that binds all contractors performing work on the project and that includes a mechanism for resolving disputes about the payment of wages.

(c) The requirements of paragraph (1) of subdivision (a) shall only apply to contracts for public works projects awarded on or after January 1, 2015.

(d) The requirements of paragraph (3) of subdivision (a) shall apply to all contracts for public work, whether new or ongoing, on or after January 1, 2016."

B. STATE PUBLIC WORKS APPRENTICESHIP REQUIREMENTS

1. State Public Works Apprenticeship Requirements:

- a. The Contractor is responsible for compliance with Labor Code section 1777.5 and the California Code of Regulations, title 8, sections 230 – 239.2 for apprenticeable occupations (denoted with “#” symbol next to craft name in DIR Prevailing Wage Determination), whether employed by the Contractor, subcontractor, vendor or consultant. Included in these requirements is (1) the Contractor’s requirement to provide notification (i.e. DAS-140) to the appropriate apprenticeship committees; (2) pay training fund contributions for each apprenticeable hour employed on the Contract; and (3) utilize apprentices in a minimum ratio of not less than one apprentice hour for each five journeyman hours by completion of Contract work (unless an exception is granted in accordance with Labor Code section 1777.5) or request for the dispatch of apprentices.
- b. Any apprentices employed to perform any of the Scope of Work shall be paid the standard wage to apprentices under the regulations of the craft or trade for which such apprentice is employed, and such individual shall be employed only for the work of the craft or trade to which such individual is registered. Only apprentices, as defined in California Labor Code section 3077, who are in training under apprenticeship standards and written apprenticeship agreements under California Labor Code sections 3070 et seq. are eligible to be employed for the Scope of Work. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which such apprentice is training.

2. Compliance with California Labor Code section 1777.5 requires all public works contractors to:

- a. Submit Contract Award Information (DAS-140):
 - i. Although there are a few exemptions (identified below), all Contractors, regardless of union affiliation, must submit contract award information when performing on a California public works project.
 - ii. The DAS-140 is a notification “announcement” of the Contractor’s participation on a public works project—*it is not a request for the dispatch of an apprentice*.
 - iii. Contractors shall submit the contract award information (you may use form DAS 140) within 10 days of the execution of the prime contract or subcontract, but in no event later than the first day in which the Contractor has workers employed on the public work.

- iv. Contractors who are already approved to train apprentices (i.e. check "Box 1" on the DAS-140) shall only be required to submit the form to their approved program.
 - v. Contractors who are NOT approved to train apprentices (i.e. those that check either "Box 2" or "Box 3" on the DAS-140) shall submit the DAS-140 TO EACH of the apprenticeship program sponsors in the area of your public works project. For a listing of apprenticeship programs see <http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>.
- b. Employ Registered Apprentices
- i. Labor Code section 1777.5 requires that a contractor performing work in an "apprenticeable" craft must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. This ratio shall be met prior to the Contractor's completion of work on the project. "Apprenticeable" crafts are denoted with a pound symbol "#" in front of the craft name on the prevailing wage determination.
 - ii. All Contractors who do not fall within an exemption category (see below) must request for dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (business days only) before the date on which apprentices are required.
 - iii. Contractors may use the "DAS-142" form for making a request for the dispatch of an apprentice.
 - iv. Contractors who are participating in an approved apprenticeship training program and who did not receive sufficient number of apprentices from their initial request must request dispatch of apprentices from ALL OTHER apprenticeship committees in the project area in order to fulfill this requirement.
 - v. Contractor should maintain and submit proof (when requested) of its DAS-142 submittal to the apprenticeship committees (e.g. fax transmittal confirmation). A Contractor has met its requirement to employ apprentices only after it has successfully made a dispatch request to all apprenticeship programs in the project area.
 - vi. Only "registered" apprentices may be paid the prevailing apprentice rates and must, at all times work under the supervision of a Journeyman (Cal. Code Regs., tit 8, § 230.1).
- c. Make Training Fund Contributions
- i. Contractors performing in apprenticeable crafts on public works projects, must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices.
 - ii. Contractors may use the "CAC-2" form for submittal of their training fund contributions.
 - iii. Contractors who do not submit their training fund contributions to an approved apprenticeship training program must submit their contributions to the California Apprenticeship Council (CAC), PO Box 420603, San Francisco, CA 94142-0603.
 - iv. Training fund contributions to the CAC are due and payable on the 15th day of the month for work performed during the preceding month.
 - v. The "training" contribution amount identified on the prevailing wage determination shall not be paid to the worker, unless the worker falls within one of the exemption categories listed below.
3. **Exemptions to Apprenticeship Requirements:**
- a. The following are exempt from having to comply with California apprenticeship requirements. These types of contractors do not need to submit a DAS-140, DAS-142, make training fund contributions, or utilize apprentices:
- i. When the Contractor holds a sole proprietor license ("Owner-Operator") and no workers were employed by the Contractor. In other words, the contractor performed the entire work from start to finish and worked alone.

- ii. Contractors performing in non-apprenticeable crafts. "Apprenticeable" crafts are denoted with a pound symbol "#" in front of the craft name on the prevailing wage determination.
- iii. When the Contractor has a direct contract with the Public Agency that is under \$30,000.
- iv. When the project is 100% federally-funded and the funding of the project does not contain any city, county, and/or state monies (unless the project is administered by a state agency in which case the apprenticeship requirements apply).
- v. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

4. Exemption from Apprenticeship Ratios:

- a. The Joint Apprenticeship Committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting the Contractor from the 1-to-5 ratio set forth in this Section when it finds that any one of the following conditions are met:
 - i. Unemployment for the previous three-month period in such area exceeds an average of fifteen percent (15%); or
 - ii. The number of apprentices in training in such area exceeds a ratio of 1-to-5 in relation to journeymen; or
 - iii. The Apprenticeable Craft or Trade is replacing at least one-thirtieth (1/30) of its journeymen annually through apprenticeship training, either on a statewide basis or on a local basis; or
 - iv. If assignment of an apprentice to any work performed under the Contract Documents would create a condition which would jeopardize such apprentice's life or the life, safety or property of fellow employees or the public at large, or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.
- b. When such exemptions from the 1-to-5 ratio between apprentices and journeymen are granted to an organization which represents contractors in a specific trade on a local or statewide basis, the member contractors will not be required to submit individual applications for approval to local Joint Apprenticeship Committees, provided they are already covered by the local apprenticeship standards.

5. Contractor's Compliance:

- a. The responsibility of compliance with this Section for all Apprenticeable Trades or Crafts is solely and exclusively that of the Contractor. All decisions of the Joint Apprenticeship Committee made under this Section are subject to the provisions of California Labor Code section 3081 and penalties are pursuant to Labor Code section 1777.7 and the determination of the Labor Commissioner.

NOT FOR BID