APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date OCTOBER 10, 2012

To: San Joaquin County
Department of Public Works

CITY OF MANTECA - PUBLIC WORKS
(Applicant Name)

1001 W. CENTER ST.
(Mailing Address)

MANTECA, CA. 95337
(City, State, Zip Code)

(209) 456-8427
(Area Code - Telephone Number)

OFFICE USE ONLY			
JOB #	760172	REF #	
APN		CR #	
EXP. DATE	9/15/13		
VALID	4/17/13 TO 9/15/13		DRIVEWAYS:
STREET	AUSTIN RD.		
AREA	MANTECA	QUAD 5E	
TYPE	TRENCHING		
FORMS	3/HW, 2-29, TRENCH CUTTING POLICY		
NOTES			

Sketch (Detailed plans may be submitted)

SEE PLANS

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the east side of AUSTIN ROAD approximately _____ feet/mile _____ of _____, _____, by performing the following work (description of work):
CONSTRUCT A 24" PVC WATER MAIN ALONG THE EAST SIDE OF AUSTIN ROAD FROM HWY-99 NORTH TO CITY LIMITS.

Work will commence on or about ~~JANUARY~~ April 17, 2013 for approximately 120 days.

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

Fernando Ulloa - SENIOR ENGINEER 10.17.12
Signature of Applicant - Title Date
FERNANDO ULLOA

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COVER PAGE

Work Location: Woodward Ave., between Moffat Blvd. & Atherton Dr. in Manteca, CA
Contractor: Mozingo Construction, INC.
Contact: Nicole Davis
Phone: 209-848-0260
Email: ndavis@mozingoconstruction.com
Working Hours: TBD

-Notes-

1) All excavations shall be fenced, backfilled or plated after hours.
2) Must provide dust control during construction.
3) Maintain access or notify all affected driveways to residents, business & emergency vehicles at all times.
4) Maintain 10' travel lanes at all times.
5) All set-ups & devices will be in accordance with Cal M.U.T.C.D. standards.
6) All excavations within 18' of the travel lane, deeper and wider than one foot, having less than 4:1 slope require barrier rail with reflectors (as per M.U.T.C.D. standards.)
7) Shall maintain access to bus stops.
8) Contractor to provide a safe pedestrial route at all times.
9) Flagger may be needed for more work area -- if so, flagmen ahead signs will be added.
10) No parking signs to be placed 24 hours in advance.

Speed MPH	Min. Merging Taper	Buffer Space	Max. Device Tangent	Spacing Taper
25>	125'	155'	50	25
30	180'	200'	60	30
35	245'	250'	70	35
40	320'	305'	80	40
45	540'	360'	90	45
50	600'	425'	100	50
55	660'	495'	110	55
60	720'	570'	120	60
65	780'	645'	130	65
70	840'	730'	140	70

All plans must be checked and approved by the government agency, or agencies, having jurisdiction over the roadways shown on this plan prior to the plan being put in effect. All plans are intended to conform to the Manual on Uniform Traffic Control Devices. The customer/contractor is responsible for ascertaining additional agency requirements for work hours allowed, noise abatement, and other rules and regulations.
The temporary traffic controls must be installed per the agency approved plan to be effective. Field changes, other than minor adjustments, must be authorized in writing by a representative of the governmental agency, or agencies, having jurisdiction over the roadway.
Plan implementation and device placement should be performed by experienced/trained personnel. Temporary traffic controls must be monitored and maintained by the customer/contractor to remain effective. Monitoring and maintenance frequency is dictated by field conditions, but not less than daily. Farwest Safety, INC has no control over, or responsibility for, traffic control plan implementation and inspections performed by others. Users agree to indemnify Farwest Safety, INC for claims made regarding failure to install, maintain or remove controls per approved traffic control plans.

FARWEST *Safety* INC.

Farwest Safety, INC.
226 N. Main St.
Lodi, CA 95240
Phone: 209-339-8085
Fax: 209-339-9879
Email: Dispatch@farwestsafety.com
Author: Jeremy Myers
Date Drawn: March 5, 2013

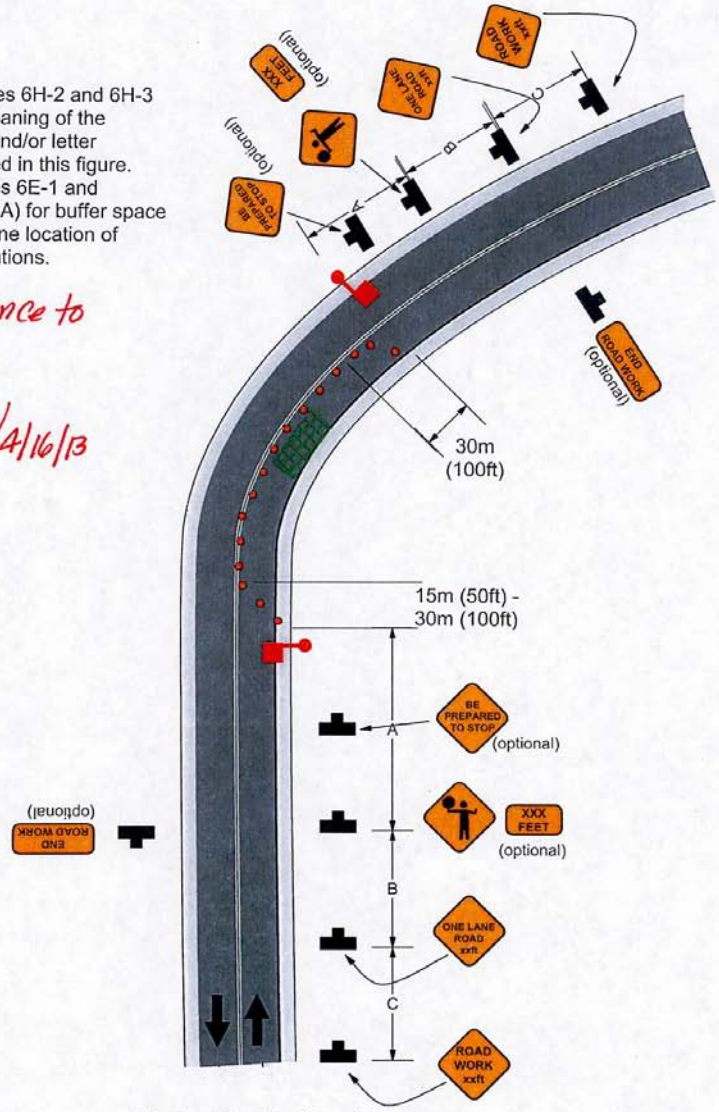
Legend
- Bollard
- Work Area

Lane Closure on Two-Lane Road Using Flaggers (TA-10)

Note: 1. See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.
2. See Tables 6E-1 and 6E-101 (CA) for buffer space to determine location of flagger stations.

All reference to MUTCD.

DCV 4/16/13



Typical Application 10

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

Arrow panel

Arrow panel support or trailer (shown facing down)

Changeable message sign or support trailer

Channelizing device

Crash Cushion

Direction of temporary traffic detour

Direction of traffic

Flagger

High level warning device (Flag tree)

Luminaire

Pavement markings that should be removed for a long term project

Sign (shown facing left)

Surveyor

Temporary barrier

Temporary barrier with warning lights

Traffic or Pedestrian signal

Truck mounted attenuator

Type III Barricade

Warning lights

Work space

Work vehicle

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	30 (100)	30 (100)	30 (100)
Urban (high speed)*	100 (350)	100 (350)	100 (350)
Rural	150 (500)	150 (500)	150 (500)
Expressway / Freeway	300 (1,000)	450 (1,500)	800 (2,640)

* Speed category to be determined by highway agency

** Distances are shown in meters (feet). The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The third sign is the first one in a three-sign series encountered by a driver approaching a TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed Limit (S)	Taper Length (L) Meters
60 km/h or less	$L = \frac{WS^2}{155}$
70 km/h or more	$L = \frac{WS}{1.6}$

Speed Limit (S)	Taper Length (L) Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in meters (feet)
W = width of offset in meters (feet)
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in km/h (mph)

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SECTION 3900: MISCELLANEOUS	SUBSECTION 3910 TRENCH CUTTING
ORIGINAL ISSUE DATE: April 6, 1984	

This trench cutting policy provides uniform guidelines and requirements for trenching within San Joaquin County right of way. It is intended to assist members of the public, private contractors, employees of the Department of Public Works, and any other parties trenching in San Joaquin County.

3910.1 GENERAL REQUIREMENTS

A. Resurfacing requirements specified in this policy are in addition to the trench resurfacing requirements specified by San Joaquin County Standard Drawing R-29.

B. For the purpose of this policy, "Surfacing Age" is defined as the age of the most recently completed roadway surfacing, including construction, reconstruction, or major overlay.

C. Where the application of seal coats is required, a Type II Slurry Seal will be used in accordance with State Standard Specifications, Section 37-2.

D. The permittee must post a one-year maintenance bond or cash deposit, in an amount specified by the Department.

E. All pavement markings destroyed or obliterated must be replaced in kind by the permittee. Typical pavement markings include, but are not limited to, lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers, and miscellaneous delineators.

F. The permittee is responsible for Survey Monuments disturbed by trenching and is required to file a corner record and to reestablish them using a Licensed Land Surveyor after the trench restoration is completed.

G. Functional classification maps and Public Works Project Advertising Schedules are references for this policy.

H. To facilitate scheduling and planning, Public Works staff will make available the most current Project Advertising Schedule at the monthly Utility Coordination Meeting and make it available to the public, at the Permits Counter, in January each year.

3910.2 COLLECTORS, ARTERIALS AND EXPRESSWAYS

A. Surfacing Age less than Three (3) Years: No pavement cuts. Exceptions may be approved in accordance with Section 3910.4 EXCEPTIONS.

B. Surfacing Age Three (3) Years and Over:

1. Longitudinal Trench Cutting in Paved Shoulder Areas:

The entire shoulder of the road is to be resurfaced. The existing surfacing adjacent to the trenched area shall be planed to accommodate the overlay in a manner that does not cause drainage concerns. The nearest pavement cut shall be a minimum of three (3) feet from the edge of pavement, or the remaining pavement shall also be removed and replaced. (SEE EXHIBIT 1: LONGITUDINAL CUTTING OF COUNTY ROADWAYS.)