TABLE 1

TAPER LENGTH CRITERIA AND CANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH* FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					Х	Υ	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	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 = $WS\%_{60}$ 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 86TH - 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 MIN D ***			
		-3%	-6%	-9%	
mph	ft	ft	ft	ft	
20	115	116	120	126	
25	155	158	165	173	
30	200	205	215	227	
35	250	257	271	287	
40	305	315	333	354	
45	360	378	400	427	
50	425	446	474	507	
55	495	520	553	593	
60	570	598	638	686	
65	645	682	728	785	
70	730	771	825	891	
75	820	866	927	1003	

- * 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

ADVANCED WARNING SIGN SPACING					
Pood Type	Distance Between Signs**				
Road Type	А	В	С		
Urban - 25 mph or less***	100 feet	100 feet	100 feet		
Urban - more than 25 mph to 40 mph***	250 feet	250 feet	250 feet		
Urban - more than 40 mph***	350 feet	350 feet	350 feet		
Rural	500 feet	500 feet	500 feet		
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet		

* - THE DISTANCES ARE APPROXIMATE, ARE INTENDED FOR GUIDANCE PURPOSES ONLY, AND SHOULD BE APPLIED WITH ENGINEERING JUDGEMENT. THESE DISTANCES SHOULD BE ADJUSTED BY THE ENGINEER FOR FIELD CONDITIONS, IF NECESSARY, BY INCREASING OR DECREASING THE RECOMMENDED DISTANCES.

	CONTENTS
4	VICINITY MAP, SOW, TTC NOTES, CHARTS,
4	LEGEND, TYPICAL, TTC DESIGN SHEET (PHASE 1)
5-7	TTC DESIGN SHEETS (PHASE 1)
8-11	TTC DESIGN SHEETS (PHASE 2)
12-14	TTC DESIGN SHEETS (PHASE 3)
15-16	TTC DESIGN SHEETS (PHASE 4)
17-19	TTC DESIGN SHEETS (PHASE 5)

SAMPLE CLIENT SAMPLE PROJECT XXX SAMPLE STREET A, SAMPLE CITY A, CA

TTC NOTES

- INDIVIDUALS WHO ARE KNOWLEDGEABLE IN THE PRINCIPLES OF PROPER TTC SHOULD BE ASSIGNED RESPONSIBILITY FOR SAFETY IN TTC ZONES, TO CHECK THAT ALL TTC DEVICES OF THE PROJECT ARE REASONABLY CONSISTENT WITH THE TTC PLAN AND ARE EFFECTIVE IN PROVIDING REASONABLY SAFE CONDITIONS FOR MOTORISTS, BYCYCLISTS, PEDESTRIANS, AND WORKERS.

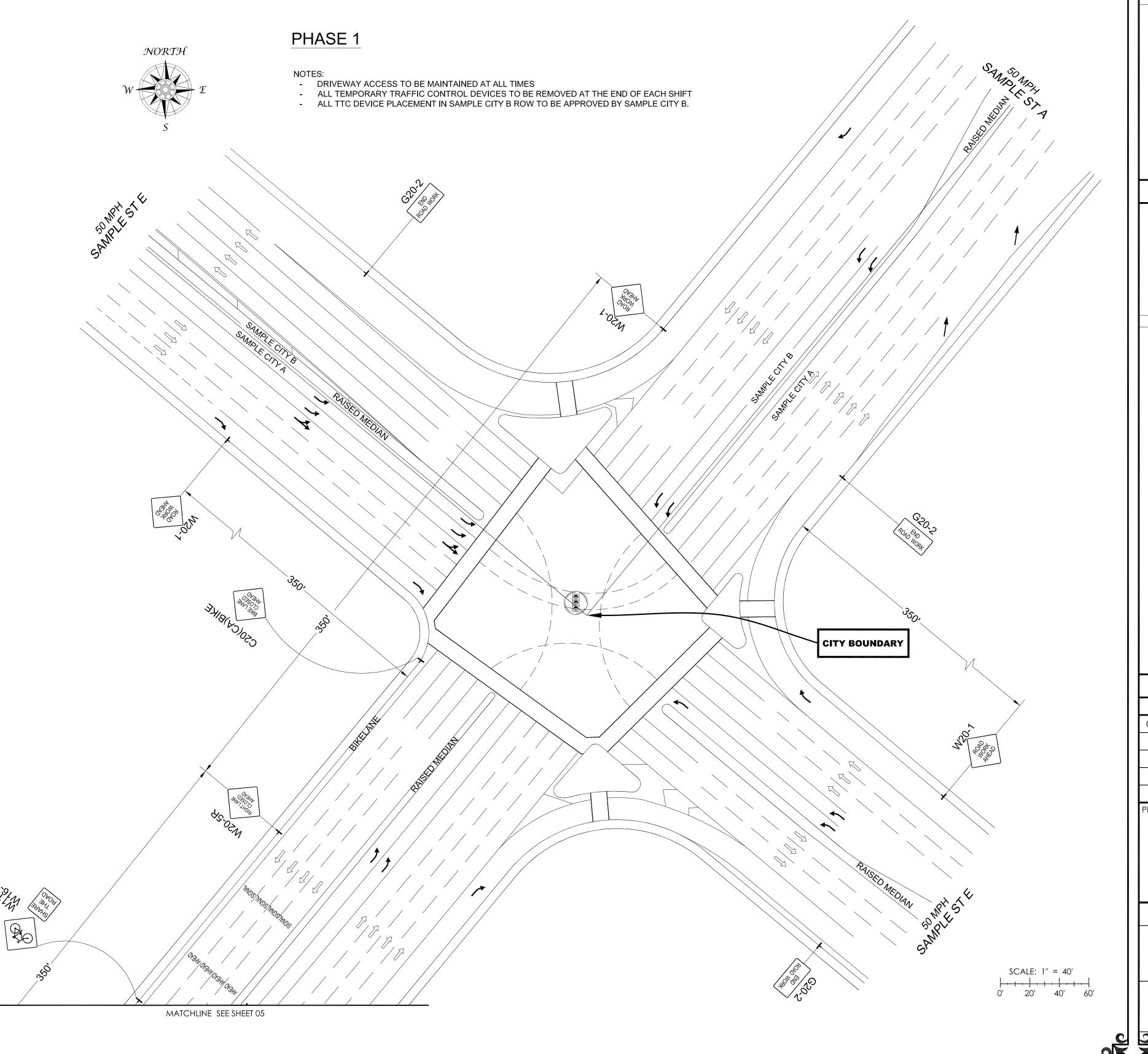
- AS WORK PROGRESSES TEMPORARY TRAFFIC CONTROLS AND/OR WORKING CONDITIONS SHOULD BE MODIFIED IN ORDER TO PROVIDE REASONABLY SAFE AND EFFICIENT ROAD USER MOVEMENT AND TO PROVIDE WORKER SAFETY. THE INDIVIDUAL RESPONSIBLE FOR TTC SHOULD HAVE THE AUTHORITY TO HALT WORK UNTIL APPLICABLE OR REMEDIAL SAFETY MEASURES ARE TAKEN.

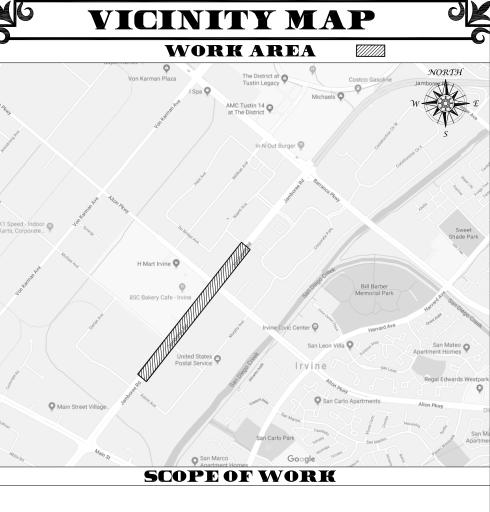
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS IS PRACTICAL.

- AUDIBLE INFORMATION DEVICES ARE TO BE USED TO ASSIST PEDESTRIANS WITH VISUAL DISABILITIES WHERE

- ALL DRIVEWAYS ARE TO REMAIN OPEN AT ALL TIMES.

- CONTRACTOR TO CONTACT LOCAL TRANSIT AGENCY WHEN REQUIRED WORK IMPACTS PUBLIC TRANSPORTATION.
- -CONTRACTOR TO PLACE TEMPORARY NO PARKING SIGNS 48HRS IN ADVANCE OF CLOSING ANY PARKING LANES.
- ALL TTC WILL BE COMPLIANT WITH THE MOST RECENT CALIFORNIA MUTCD AND/OR WATCHBOOK PER LOCAL JURISDICTIONAL REQUIREMENTS





TEMPORARY TRAFFIC CONTROL DEVICE AND SIGN PLACEMENT IN SAMPLE CITY A RIGHT OF WAY FOR UNDERGROUND FIBER INSTALLATION IN SAMPLE CITY A ROW.

TTC DEVICE AND SIGN PLACEMENT IN SAMPLE CITY B RIGHT OF WAY APPLIED FOR UNDER PERMIT XXXXXXXXXX.

TRAFFIC SIGNAL FLASHING ARROW BOARD EXISTING TURN-ONLY LANE

→ EXISTING TORN-ONLY LANE

EXISTING NO-TURN LANE

TRAFFIC FLOW DIRECTION

1 TRAFFIC SIGN

PEDESTRIAN DETOUR PLAN

BARRICADE

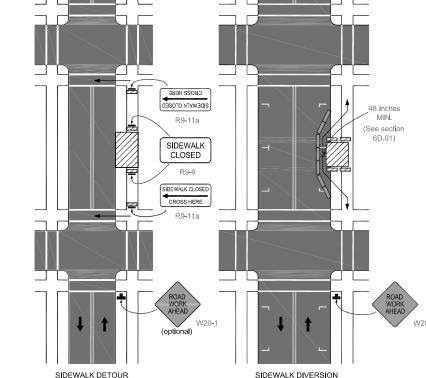
FLAGGER

DRIVEWAY

WORK ZONE

TRAFFIC CONE

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



Typical Application 28
CAMUTCD 2014 Edition, Revision 4

 REVISION NOTES

 DATE
 DESCRIPTION
 INITIALS

 02-25-20
 REVISED CONDUIT LINE TO SIDEWALK
 NEM

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PREPARED BY:

O-S-Pro

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TRAFFIC CONTROL

SAMPLE CLIENT

SAMPLE ADDRESS
SAMPLE CITY, CA

CHECKED OSPRO

DATE 11/26/19

SAMPLE PROJECT

XXX SAMPLE STREET A

4 of 19

SAMPLE CITY A, CA

