APROACH	TABLE A - MAXIMUM CHANNELIZER SPACING					
SPEED	TAPER	TANGENT	CONFLICT	1-LANE,	DOWN-	
(MPH)	(FT)	(FT)	(FT)	2-WAY	STREAM (FT)	
15	15	30	7	20	20	
20	20	40	10	20	20	
25	25	50	12	20	20	
30	30	60	15	20	20	
35	35	70	17	20	20	
40	40	80	20	20	20	
45	45	90	22	20	20	
50	50	100	25	20	20	
55	50	100	25	20	20	
60	50	100	25	20	20	
65	50	100	25	20	20	
70	50	100	25	20	20	
75	50	100	25	20	20	

	TABLE B MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET = 12 FT						
	APROACH SPEED (MPH)	MERGING L (FT)	SHIFTING L/2 (FT)	SHOULDER L/3 (FT)	ONE LANE, TWO-WAY (FT)*	DOWN- STREAM (FT)*	
	15	45	23	15	50	50	
	20	80	40	27	50	50	
	25	125	63	42	50	50	
	30	180	90	60	50	50	
	35	245	123	82	50	50	
	40	320	160	107	50	50	
	45	540	270	180	50	50	
	50	600	300	200	50	50	
	55	660	330	220	50	50	
	60	720	360	240	50	50	
	65	780	390	260	50	50	
	70	840	420	280	50	50	
	75	900	450	300	50	50	

* MAXIMUM TAPER LENGTH FOR ONE-LANE TWO WAY AND DOWNSTREAM TAPERS IS 100 FT

TABLE C - ADVANCE WARNING SIGN SPACING				
ROAD TYPE	SIGN SPACING (FT)			
URBAN 25 MPH OR LESS	100			
URBAN MORE THAN 25 MPH TO 40 MPH	250			
URBAN MORE THAN 40 MPH	350			
RURAL	500			
EXPRESSWAY / FREEWAY	1,000 (CLOSEST TO WORK ZONE) 1,500 (SECOND) 2,640 (FIRST SIGN SEEN BY PUBLIC)			

LEGEND



WORK ZONE

PAVEMENT MARKING

BARRICADE (TYPE 1, 3, OR ADA AS NOTED)

28", 10# REFLECTIVE CONE

• • 36" FIXED-MOUNT CHANNELIZER, ORANGE WITH WHITE RETRO-REFLECTOR, UON





POST TEMP. TOW AWAY / NO STOPPING SIGNS



PLAN VIEW FLASHING ARROW SIGN (FAS) OR CHANGEABLE MESSAGE SIGN (CMS)



FLASHING ARROW SIGN

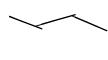


SPEED RADAR TRAILER

FLAGMAN

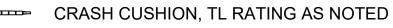


WATER-FILLED LCD OR BARRIER AS NOTED

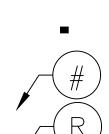


ADA PLASTIC PEDESTRIAN BARRICADE / LCD

CONCRETE K-RAIL BARRIER PER CALTRANS STANDARDS



UNIFORMED POLICE OFFICER



TEMP PEDESTRIAN RAMP PER CALTRANS STD DRAWINGS T33 & T34

TEMP STRIPING DETAIL PER CALTRANS STDS

REMOVE CONFLICTING STRIPING

1. WORK SCOPE: ASPHALT GRIND & PAVE

2. WORK HOURS: SEE CHARTS

NOTES:

3. EXPECTED DURATION: 1 SHIFT PER PHASE FOR GRINDING AND 1 SHIFT FOR

3. PROVIDE FULL ROADWAY DURING NON-WORKING HOURS, UNLESS OTHERWISE NOTED.

4. PROVIDE LOCAL ACCESS AT ALL TIMES.

5. NOTIFY RESIDENTS, BUSINESSES, AND PROPERTY OWNERS WITH DATES AND TIMES THAT THEIR ACCESS WILL BE AFFECTED 2 WEEKS PRIOR TO START OF

6. SEE CONTRACT SPECIFICATION SECTION 01 55 26 FOR ADDITIONAL NOTES

7. ALL TRAFFIC CONTROL SHALL FOLLOW THE CA MUTCD, LATEST EDITION

8. ALL TRAFFIC CONTROL DEVICES SHALL BE RETROREFLECTIVE AND CRASHWORTHY AS DEFINED IN THE CA MUTCD.

9. FLAGGER STATIONS SHALL BE ILLUMINATED DURING HOURS OF DARKNESS

10. MOUNT 2 ORANGE FLAGS ABOVE EACH SIGN. SEE SPECIFICATION SECTION 01 CVC 55 26 AND TABLE 6F-1 IN CHAPTER 6 OF THE CA MUTCD FOR SIGN SIZES MINIMUM SIGN HEIGHT FOR TEMPORARY SIGNS IS 1' FROM THE GROUND TO THE BOTTOM OF THE SIGN. IF A SIGN WILL BE IN PLACE FOR MORE THAN 3 DAYS, MINIMUM SIGN HEIGHT IS 7'.

11. CONTRACTOR TO VERIFY ACCURACY OF EXISTING STRIPING PRIOR TO START OF WORK.

12. IF TRENCH PLATES ARE USED, PLACE A W8-24 "STEEL PLATE AHEAD" SIGN IN ADVANCE.

13. A C27 "OPEN TRENCH" SIGN SHALL BE USED IN ADVANCE OF OPEN TRENCHES IN/OR ADJACENT TO THE ROADWAY. ALL OPEN TRENCHES SHALL BE CLEARLY DELINEATED AND BARRICADED DURING WORKING HOURS AND FILLED OR PLATED DURING NON-WORKING HOURS.

14. IF A STEP OR RIDGE IN THE PAVEMENT EXCEEDS \(\frac{3}{8}\)" PARALLEL TO THE DIRECTION OF TRAVEL OR $\frac{3}{4}$ " PERPENDICULAR TO THE DIRECTION OF TRAVEL, POST A C46(CA) "UNEVEN PAVEMENT" SIGN (OR W8-11 "UNEVEN LANE" SIGN IF ALONG A LANE LINE). IF THE STEP EXCEEDS 3", DO NOT RE-OPEN THE ROADWAY UNTIL CORRECTED.

15. PRIOR TO DIRECTING OR CHANNELIZING BICYCLES INTO AN AREA OF THE ROADWAY, CONTRACTOR SHALL VERIFY THAT ALL DRAIN INLET GRATES ARE BICYCLE-SAFE. REFER TO CALTRANS STANDARD PLAN D77B FOR EXAMPLES OF BICYCLE-SAFE GRATES.

16. WHEN DIVERTING PEDESTRIANS FROM A SIDEWALK, CONTRACTOR SHALL DELINEATE A 5' (4' MINIMUM) SAFE PATH OF TRAVEL FOR PEDESTRIANS USING PLASTIC ADA-COMPLIANT PEDESTRIAN BARRICADES WITH A DETECTABLE AND CONTINUOUS TOE-BOARD. THE BOTTOM OF THE TOE BOARD SHALL BE NO MORE THAN 2" ABOVE GRADE AND THE TOP SHALL BE AT LEAST 6" ABOVE GRADE. THE SAFE PATH OF TRAVEL SHALL CONSIST OF A HARD, SMOOTH, CONTINUOUS SURFACE WITH A MAXIMUM SLOPE OF 5% AND CROSS SLOPE OF 2%. SURFACE DISCONTINUITIES MUST NOT EXCEED ¹/₂" AND VERTICAL DISCONTINUITIES BETWEEN $\frac{1}{4}$ " AND $\frac{1}{2}$ " MUST BE BEVELED AT A MAXIMUM OF 2:1 OR FLATTER. REFER TO THE CALTRANS TEMPORARY PEDESTRIAN ACCESS ROUTES HANDBOOK FOR ADDITIONAL DETAILS.

17. TEMPORARY CURB RAMPS MUST NOT HAVE SURFACE DISCONTINUITIES. THE LONGITUDINAL SLOPE MUST BE NO GREATER THAN 8.3%. EDGE PROTECTION MUST BE AT LEAST 2" HIGH ON EACH SIDE IF IT DOES NOT HAVE FLARES AND THE RISE IS GREATER THAN 6". A DETECTABLE WARNING SURFACE MUST BE USED. REFER TO CALTRANS STANDARD PLANS T33 AND T34 FOR ADDITIONAL DETAILS.

18. TEMPORARY PAVEMENT MARKING TAPE MAY BE USED FOR TEMPORARY STRIPING. TEMP LANE LINES SHOULD BE 4" WIDE, UON. CROSSWALKS AND LIMIT LINES SHOULD BE 12" WIDE. USE BLACK TAPE TO COVER/REMOVE EXISTING CONFLICTING STRIPING. USE OF BLACK PAINT TO COVER EXISTING STRIPING IS NOT ALLOWED. RESTORE ORIGINAL STRIPING PER T DRAWINGS WHEN TRAFFIC CONTROL IS PICKED UP. REFER TO SPECIFICATIONS FOR ADDITIONAL NOTES REGARDING TEMPORARY STRIPING.

19. GRINDING IS NOT PERMITTED ON THURSDAY OR FRIDAY UNLESS PAVING WILL BE SATISFACTORILY COMPLETED BEFORE THE END OF THE SATURDAY WORKDAY OF THE SAME WEEK.

20. THE CONTRACTOR SHALL GRIND OR PAVE THE FULL WIDTH OF THE ROADWAY WITHIN A BLOCK BY THE END OF A WORK SHIFT.

21. DURING GRINDING AND PAVING WORK, THE CROSS STREET MAY BE INTERRUPTED FOR UP TO A MAXIMUM OF TEN (10) MINUTES FOR RESIDENTIAL AREAS AND FIVE (5) MINUTES FOR COMMERCIAL AREAS, ARTERIALS, AND STREETS OF MAJOR IMPORTANCE LISTED IN THE BLUE BOOK.

22. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY PAVEMENT MARKINGS PER SPECIFICATION SECTION 01 55 26 AFTER GRINDING (PAINT) AND AFTER PAVING (TAPE) AND PRIOR TO RE-OPENING THE ROADWAY.

ABBREVIATIONS:

ADAAG

AFAD

AVE

BW

BY

CAL/OSHA

CA MUTCD

CALTRANS

CHP

CMS

DOT

ETW

EXP

FAS

FHWA

FWY

LCD

LOS

MAX

MH

MPH

MUTCD

NCHRP

NTS

OSHA

PCMS

ROW

RR

RW

R/W

STD

SW

SY

TA/NS

TCP

TS

TTC

TYP

UON

WB

TEMP

COZEEP

AMERICAN WITH **DISABILITIES ACT** ADA ACCESSIBILITY GUIDELINES **AUTOMATED FLAGGER** ASSISTANCE DEVICE AVENUE **BROKEN WHITE (STRIPE) BROKEN YELLOW (STRIPE)** CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS CALIFORNIA DEPARTMENT OF TRANSPORTATION CALIFORNIA HIGHWAY PATROL CHANGEABLE MESSAGE CONSTRUCTION ZONE **ENHANCED ENFORCEMENT** PROGRAM CALIFORNIA VEHICLE CODE **DEPARTMENT OF TRANSPORTATION** DOUBLE YELLOW (STRIPE) EAST **EXISTING** EAST-BOUND **EDGE OF PAVEMENT** EDGE OF SHOULDER EDGE OF TRAVELED WAY **EXPRESSWAY** FLASHING ARROW SIGN FEDERAL HIGHWAY **ADMINISTRATION** FAR SIDE FREEWAY LONGITUDINAL CHANNELIZING DEVICE LINEAR FOOT LIMIT LINE (12" SW) LANE LEVEL OF SERVICE MAXIMUM MAN-HOLE MILES PER HOUR MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NEW NORTH NORTH-BOUND NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM NEAR SIDE NOT TO SCALE OVERHEAD OCCUPATIONAL SAFETY AND **HEALTH ADMINISTRATION** PORTABLE CHANGEABLE MESSAGE SIGN PROFESSIONAL ENGINEER

PEDESTRIAN

RIGHT OF WAY

RIGHT OF WAY

SOUTH-BOUND

STATE ROUTE

RAILROAD

ROADWAY

ROAD

ROUTE

SOUTH

STREET

STANDARD

SIDEWALK

TEMPORARY

CONTROL

TYPICAL

WEST

TRAFFIC SIGNAL

WEST-BOUND

SOLID WHITE (STRIPE)

TRAFFIC CONTROL

SOLID YELLOW (STRIPE)

TRAFFIC CONTROL PLAN

TEMPORARY TRAFFIC

TOW AWAY / NO STOPPING

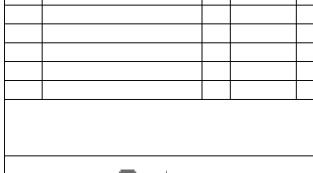
UNLESS OTHERWISE NOTED

POST MILE OR AFTERNOON

		EX OF TRAFFIC CONTROL PLAN SHE	SHEETS	
	SHEET NAME	R E V	SCOPE	ISSUE DATE
	TCP 089	0	TCP FOR GRIND & PAVE — NOTES, CHARTS, INDEX	5/24/2022
	TCP 090	0	TCP FOR GRIND & PAVE ON MIRABEL AVE FROM COSO AVE TO SHOTWELL ST — NORTH SIDE	5/24/2022
L	TCP 091	0	TCP FOR GRIND & PAVE ON MIRABEL AVE FROM COSO AVE TO SHOTWELL ST — SOUTH SIDE	5/24/2022
)L O	NOT DESIGNED AT CLIENT REQUEST		TCP FOR GRIND & PAVE ON MONTEZUMA ST FROM COSO AVE TO SHOTWELL ST	
	TCP 092	0	TCP FOR GRIND & PAVE ON TREAT AVE FROM PRECITA AVE TO END	5/24/2022
	NOT DESIGNED AT CLIENT REQUEST		TCP FOR GRIND & PAVE ON BESSIE ST FROM MANCHESTER ST TO FOLSOM ST	
S				

IF THIS SHEET IS NOT 24"x36", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

GRAPHIC SCALE No. Revisions Date Appr





BAY-CON INFRASTRUCTURE PO BOX 1342 SAN MATEO CA 94401 (415) 580-1441 OFFICE (415) 329-3240 FAX INFO@BAY-CON.COM

Key Plan

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Engineer Of Record:



DESIGN DOCUMENTS TEMPORARY TRAFFIC CONTROL

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SAN FRANCISCO PUBLIC WORKS 49 S VAN NESS AVE, SUITE 1600 SAN FRANCISCO, CA 94103 (628) 271-3139 CONTRACTADMIN.STAFF@SFDPW.ORG

VARIOUS LOCATIONS NO. 52 PAVEMENT RENOVATION AND SEWER REPLACEMENT SAN FRANCISCO, CA SOURCING ID NO. 0000003758

TCP FOR GRIND & PAVE - NOTES, CHARTS,

BCI Job 146 Drawn By PM

Checked By PM

Sheet 1 of 4

TCP-089 Issue Date 05/24/22