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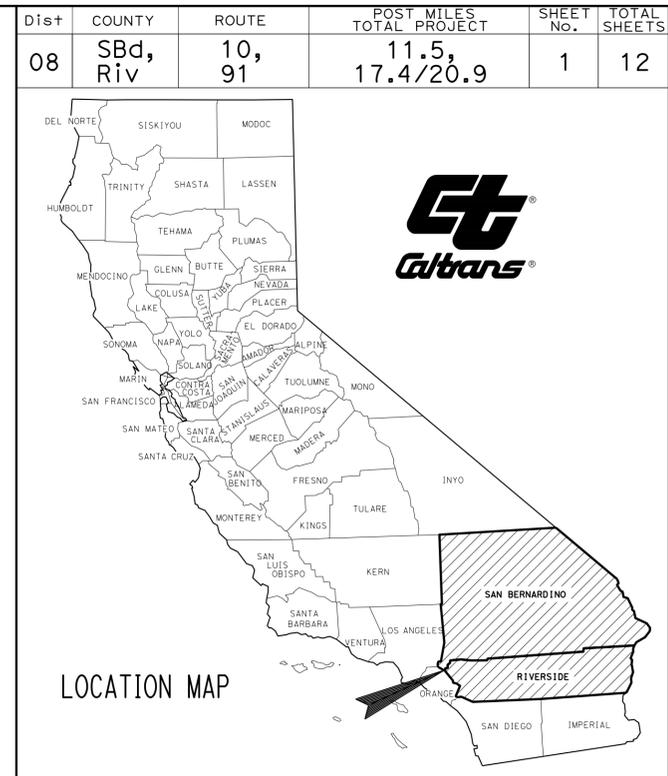
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
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5	TRAFFIC HANDLING QUANTITIES
6-7	REVISED STANDARD PLANS
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK

STATE OF CALIFORNIA **ACBRNHP-X065(100)E**
 DEPARTMENT OF TRANSPORTATION

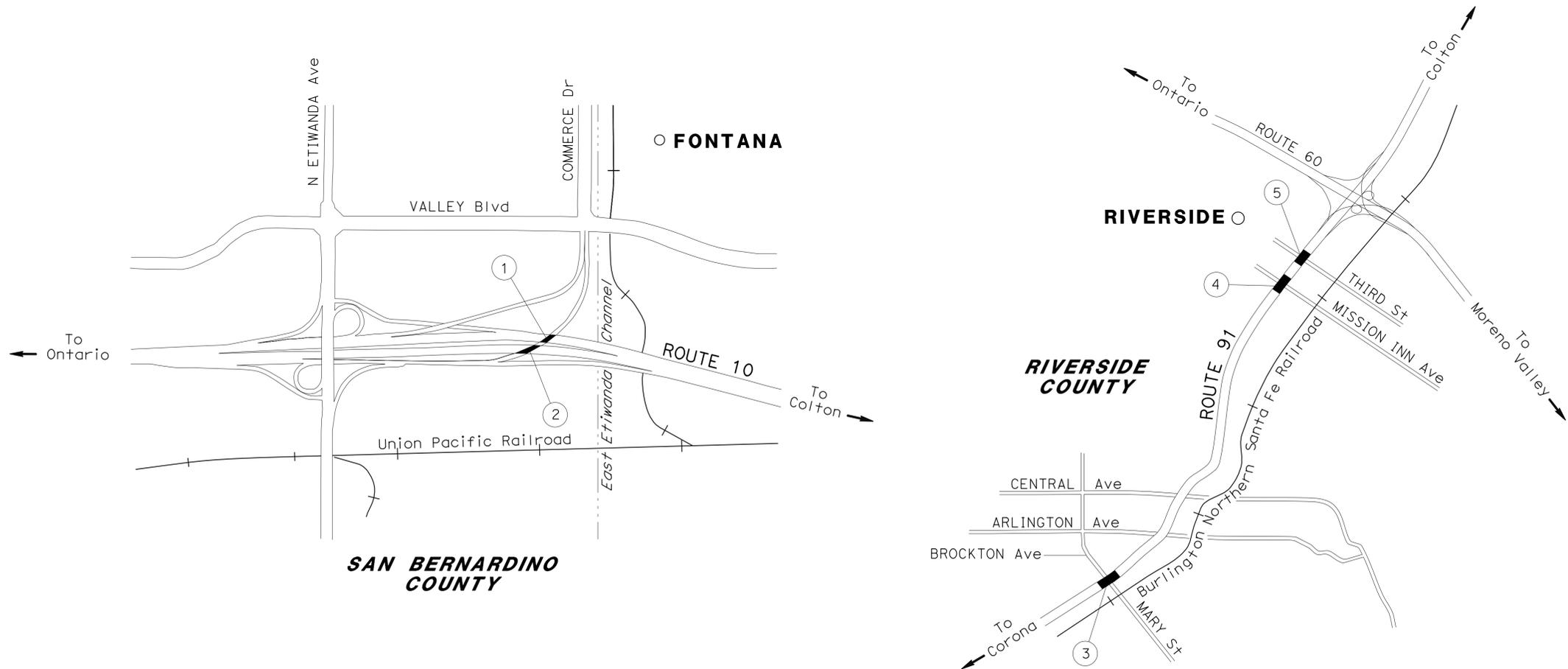
**PROJECT PLANS FOR CONSTRUCTION ON
 STATE HIGHWAY
 IN SAN BERNARDINO AND RIVERSIDE COUNTIES
 ON ROUTE 10
 AT VALLEY BOULEVARD EXIT RAMP UNDERCROSSING
 AND ON ROUTE 91
 AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATIONS OF CONSTRUCTION

Loc No. ⊕	COUNTY	ROUTE	PM	DESCRIPTION	BRIDGE No.
1	SBd	10	11.5	VALLEY Blvd EXIT RAMP UC	54-0030L
2	SBd	10	11.5	VALLEY Blvd EXIT RAMP UC	54-0030R
3	Riv	91	17.4	BROCKTON AVENUE UC	56-0385
4	Riv	91	20.5	MISSION INN AVENUE UC	56-0315
5	Riv	91	20.9	THIRD STREET UC	56-0316



PROJECT MANAGER
 MOHAMMAD MOLLZADDEH

DESIGN MANAGER
 KEVIN H. CHEN

Kevin H. Chen 9-30-15
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER

October 1, 2015
 PLANS APPROVAL DATE

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THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

DATE PLOTTED => 22-OCT-2015 TIME PLOTTED => 12:50

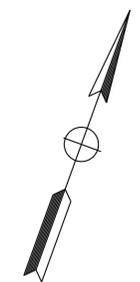
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10, 91	11.5, 17.4/20.9	2	12

M.M. Kamgar *Mehdi M. Kamgar* 9-30-15
REGISTERED CIVIL ENGINEER DATE

10-1-15
PLANS APPROVAL DATE

MEHDI M. KAMGAR
No. C58039
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

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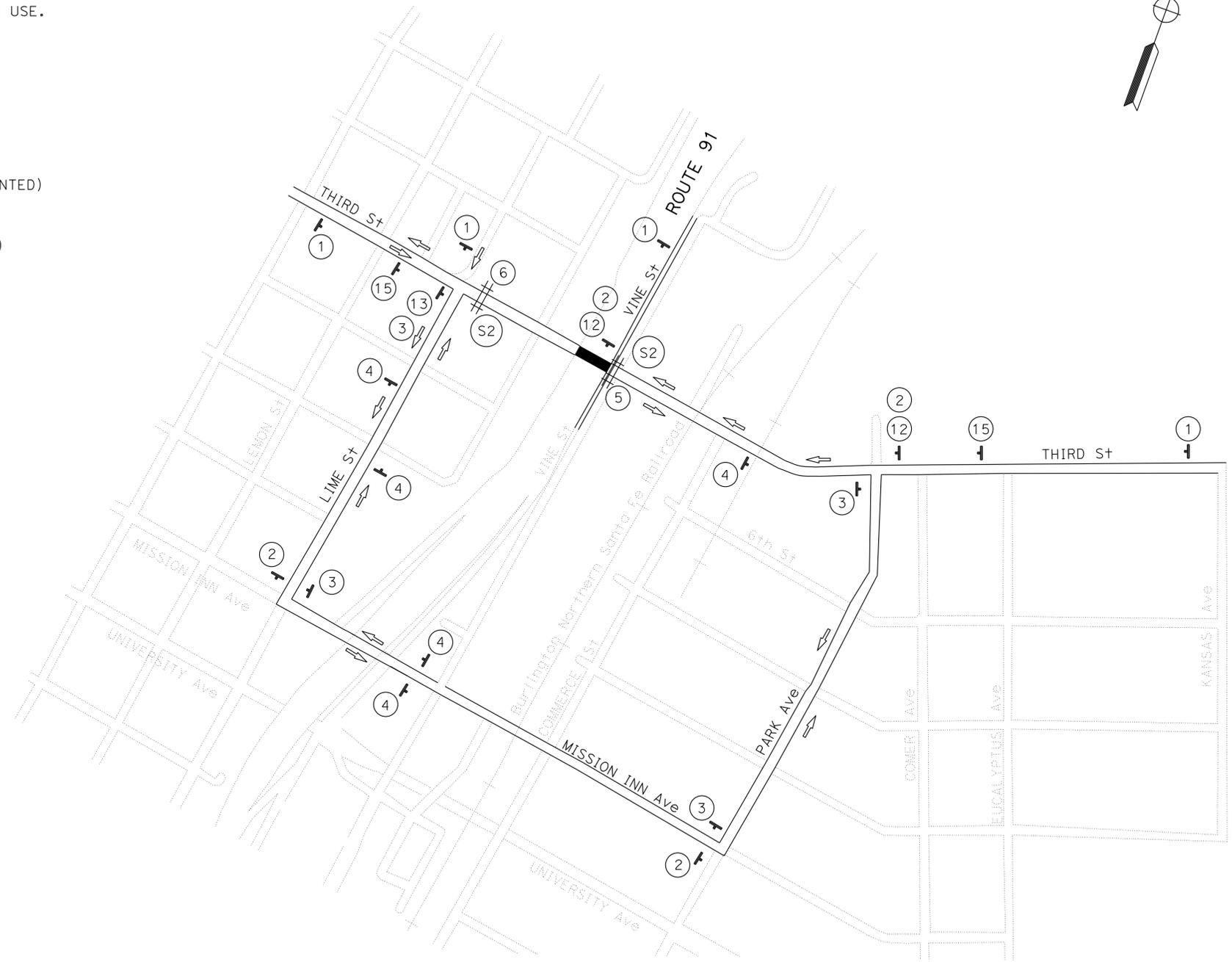


NOTES:

1. SIGN S2 MUST BE PLACED 2 WEEKS PRIOR TO CLOSURE.
2. FOR ROAD CLOSURE, USE TYPE III BARRICADES.
3. SIGNS MUST BE COVERED IF NOT IN USE.

LEGEND:

- UNDERPASS CLOSURE
- ⦏ TYPE II BARRICADE
- ⇨ TRAFFIC DIRECTION
- CHANNELIZER (SURFACE MOUNTED)
- FAS SUPPORT OR TRAILER
- ⇨ FLASHING ARROW SIGN (FAS)



THIRD STREET UNDERPASS FULL CLOSURE

TRAFFIC HANDLING PLAN
NO SCALE
TH-1

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR BY
Caltrans TRAFFIC DESIGN	MARIO AMANCIO	SHARAM MOKHTARI	MEHDI M. KAMGAR
	CHECKED BY	DATE	REVISION

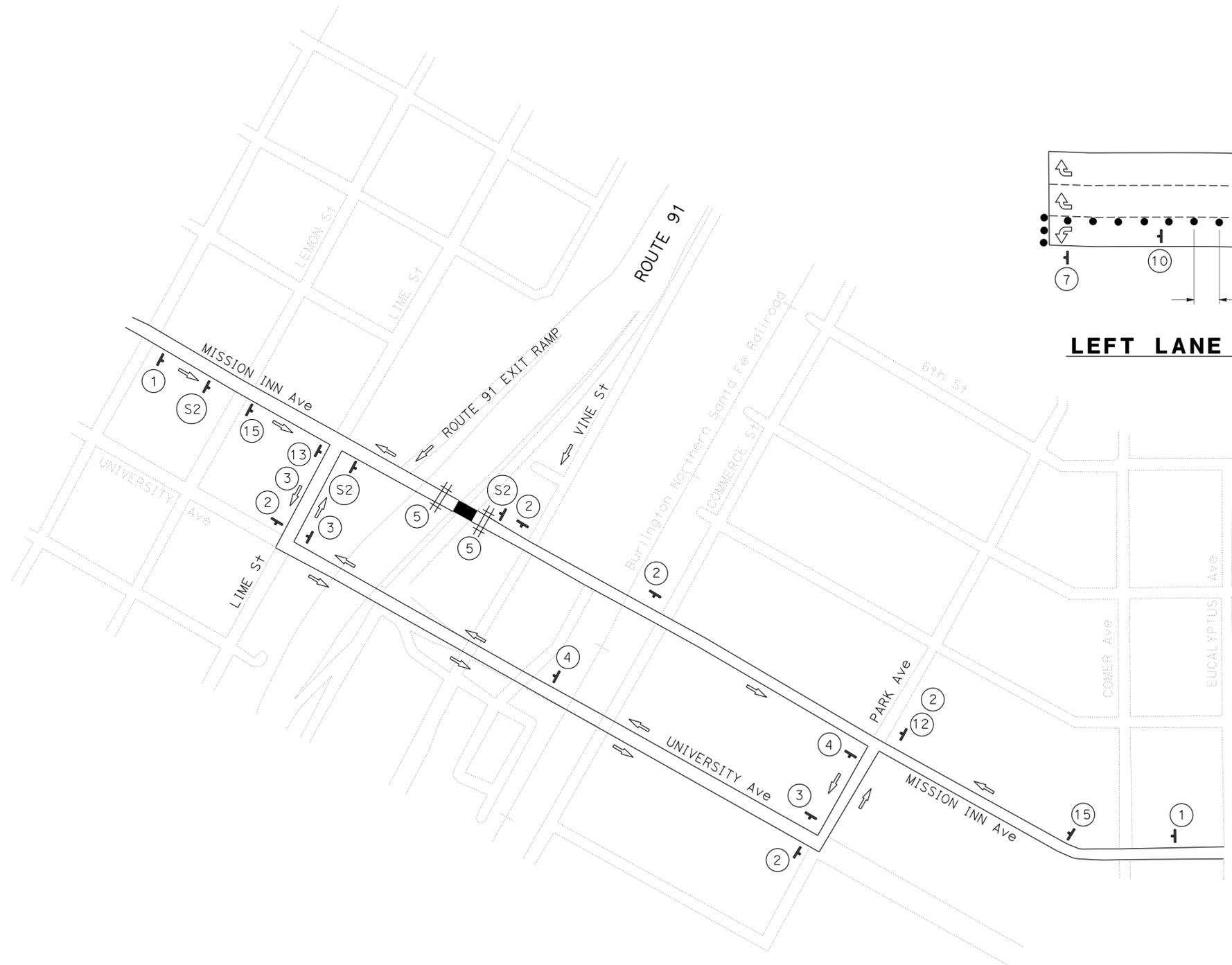
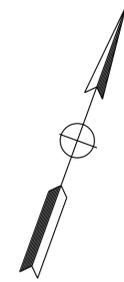
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10, 91	11.5, 17.4/20.9	3	12

M.M. Kamgar *Mehdi M. Kamgar* 9-30-15
 REGISTERED CIVIL ENGINEER DATE
 10-1-15
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

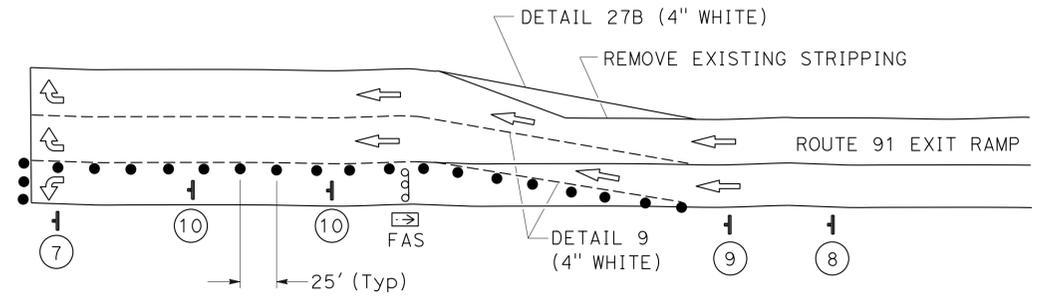
REGISTERED PROFESSIONAL ENGINEER
 MEHDI M. KAMGAR
 No. C58039
 Exp. 6-30-16
 CIVIL
 STATE OF CALIFORNIA

NOTES:

1. SIGN S2 MUST BE PLACED 2 WEEKS PRIOR TO CLOSURE.
2. FOR ROAD CLOSURE, USE TYPE III BARICADES.
3. SIGNS MUST BE COVERED IF NOT IN USE.



MISSION INN Ave UNDERPASS FULL CLOSURE



LEFT LANE CLOSURE ON ROUTE 91 EXIT RAMP

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans TRAFFIC DESIGN	MARIO AMANCIO	SHARAM MOKHTARI MEHDI M. KAMGAR	SHARAM MOKHTARI MEHDI M. KAMGAR
		CHECKED BY	DATE REVISED

TRAFFIC HANDLING PLAN

NO SCALE

TH-2

APPROVED FOR TRAFFIC HANDLING WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10, 91	11.5, 17.4/20.9	4	12

M.M. Kamgar *Mehdi M. Kamgar* 9-30-15
REGISTERED CIVIL ENGINEER DATE

10-1-15
PLANS APPROVAL DATE

MEHDI M. KAMGAR
No. C58039
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

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NOTES:

1. SIGN S2 MUST BE PLACED 2 WEEKS PRIOR TO CLOSURE.
2. FOR ROAD CLOSURE, USE TYPE III BARRICADES.
3. SIGNS MUST BE COVERED IF NOT IN USE.
4. PLACE BARRICADES AFTER LAST DRIVEWAY.



BROCKTON Ave UNDERPASS FULL CLOSURE

TRAFFIC HANDLING PLAN
NO SCALE
TH-3

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans TRAFFIC DESIGN	MARIO AMANCIO	CHECKED BY	SHARAM MOKHTARI
			MEHDI M. KAMGAR
			DATE
			REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 91	11.5, 17.4/20.9	5	12

M.M. Kamgar *Mehdi M. Kamgar* 9-30-15
REGISTERED CIVIL ENGINEER DATE

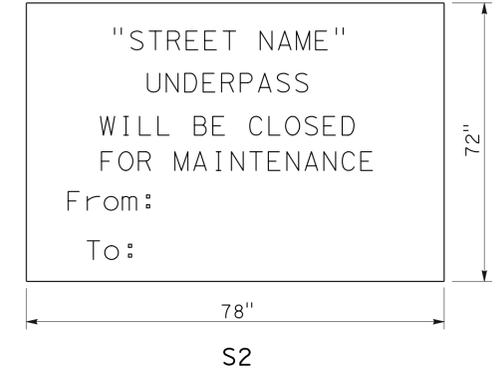
10-1-15
PLANS APPROVAL DATE

MEHDI M. KAMGAR
No. C58039
Exp. 6-30-16
CIVIL

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TRAFFIC HANDLING QUANTITIES

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS	REMARKS
	FEDERAL	CALIFORNIA					
1		C19(CA)	36" x 36"	ROAD CLOSED AHEAD	1 - 4" X 6"	10	
2	M4-10(L)		36" x 12"	← DETOUR	1 - 4" X 4"	11	
3	M4-10(R)		36" x 12"	→ DETOUR	1 - 4" X 4"	9	
4		SC3(CA)	36" x 12"	↑ DETOUR	1 - 4" X 4"	13	
5	R11-2		48" x 30"	ROAD CLOSED		10	ON BARRICADE 2 SIGNS PER LOCATION
6	R11-4		60" x 30"	ROAD CLOSED TO THRU TRAFFIC		4	ON BARRICADE 2 SIGNS PER LOCATION
7	R3-2		36" x 18"	NO LEFT TURN	1 - 4" X 4"	1	
8		C20A(CA)	36" x 18"	LEFT LANE CLOSED AHEAD	1 - 4" X 4"	1	
9	W4-2(L)		36" x 18"	MERGE RIGHT	1 - 4" X 4"	1	
10		C30(CA)	48" x 48"	LANE CLOSED		2	ON BARRICADE
11	R3-1		36" x 36"	NO RIGHT TURN	1 - 4" X 4"	1	
12	M4-9c(L)		30" x 24"	Bicycle ← DETOUR	1 - 4" X 4"	3	
13	M4-9c(R)		30" x 24"	Bicycle → DETOUR	1 - 4" X 4"	3	
S1	SPECIAL SIGN		48" x 18"	INDIANA AVE	2 - 4" X 4"	1	
S2	NOTICE SIGN		78" x 72"	SEE DETAIL	2 - 6" X 6"	6	
14	W20-1		36" x 36"	ROAD WORK AHEAD	1 - 4" X 4"	2	
15	W20-2		36" x 36"	DETOUR AHEAD	1 - 4" X 4"	8	



S2 SIGN SHALL BE PLACED A MINIMUM OF 2 WEEKS IN ADVANCE.

LETTER SIZE: 4 INCH CAPITAL
COLORS:
MESSAGE, BORDER - BLACK
BACKGROUND - ORANGE (REFLECTIVE)

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

(EA)
4

TYPE II BARRICADE	CHANNELIZER (SURFACE MOUNTED)	FLASHING ARROW SIGN
EA	EA	EA
30	36	1

PAVEMENT DELINEATION

DETAIL No.	LOCATION	REMOVE THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	REMARKS
		(LF)	4" WHITE (LF)	
27B	ROUTE 91 EXIT RAMP	600	600	REMOVE AND REPLACE
9	ROUTE 91 EXIT RAMP	600	600	REMOVE AND REPLACE
TOTAL		1200	1200	

TRAFFIC HANDLING QUANTITIES THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED/DESIGNED BY: CHECKED BY:
SHARAF MOKHTARI MEHDI M. KAMGAR
REVISED BY: DATE REVISED:

LAST REVISION | DATE PLOTTED => 22-OCT-2015
09-30-15 TIME PLOTTED => 12:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD, Riv	10, 91	11.5, 17.4/20.9	6	12

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Grace M. Tsushima
No. C49814
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 10-1-15

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

	M
Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
MtI	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT
	N
N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE
	O
Obir	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN
	P
p	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm MtI	PERMEABLE MATERIAL

	P continued
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
PL, PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT
	Q
Qty	QUANTITY
	R
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

	S
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
ℒ	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES
	T
T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TeI	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

	T continued
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL
	U
UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
	V
V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME
	W
W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
	X
X Sec	CROSS SECTION
Xing	CROSSING
	Y
Yr	YEAR
Yrs	YEARS

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD, Riv	10, 91	11.5, 17.4/20.9	7	12

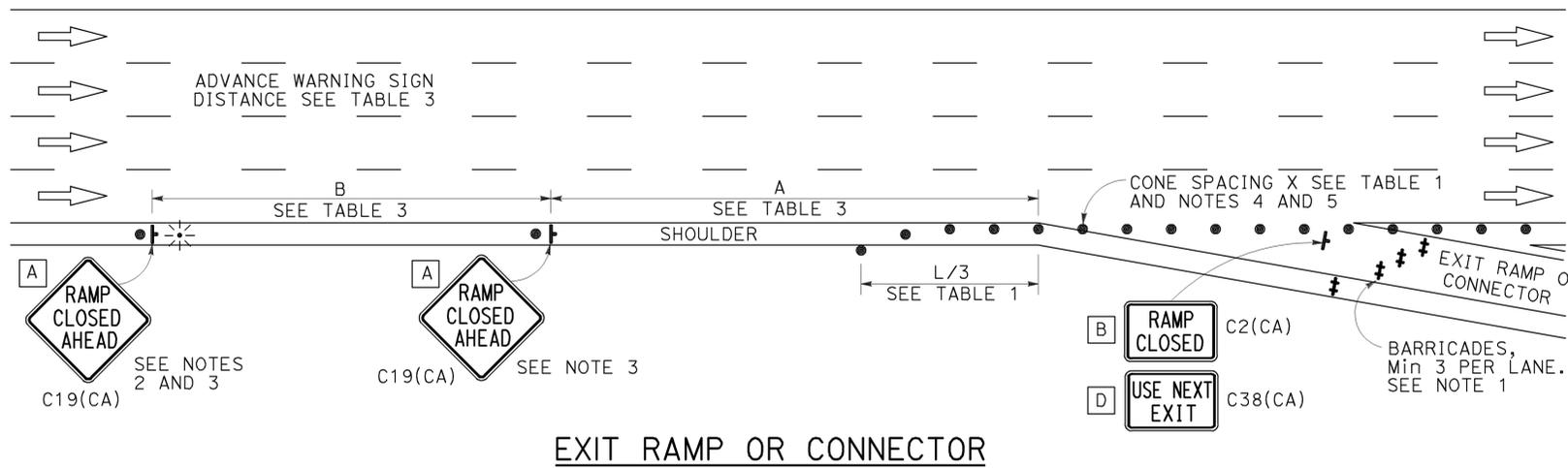
Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

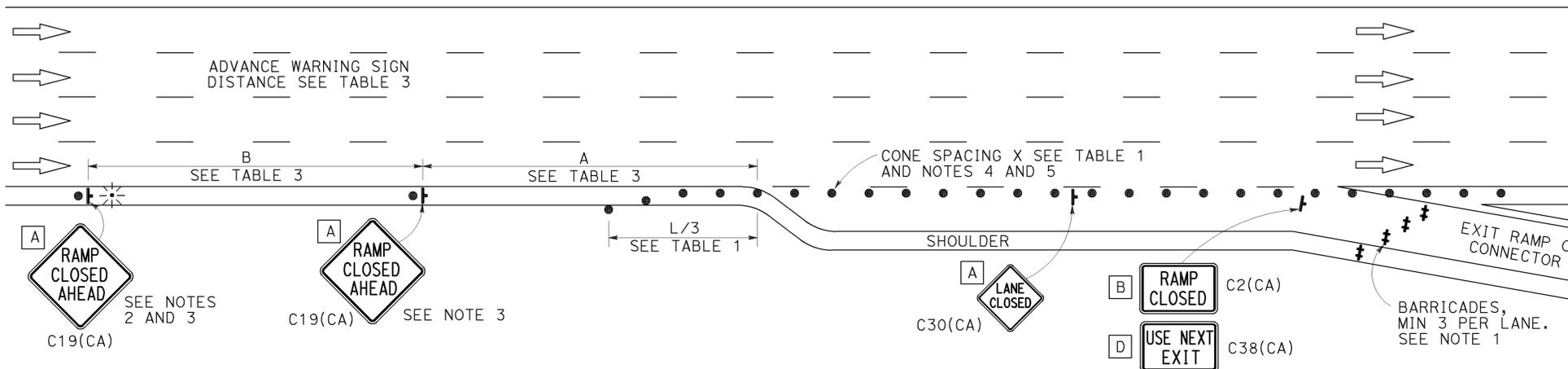
TO ACCOMPANY PLANS DATED 10-1-15

NOTES:

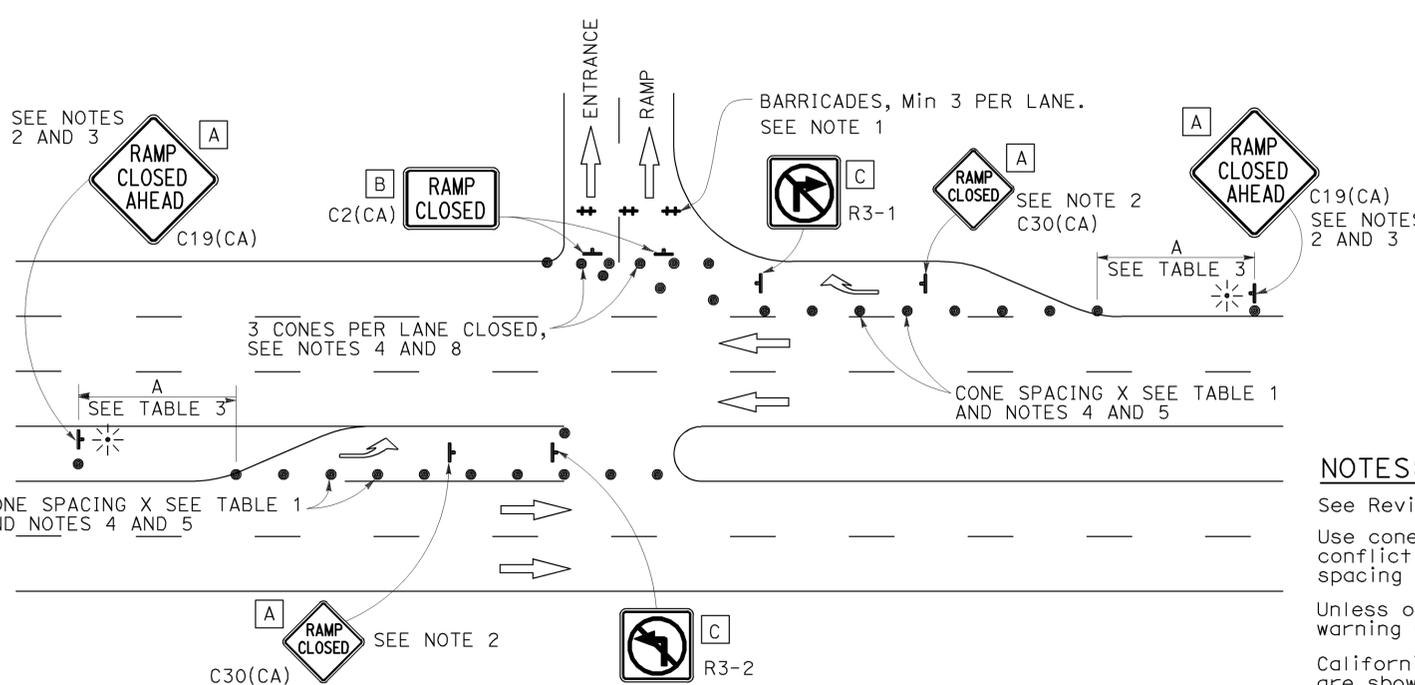
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
- Each advance C19(CA) "RAMP CLOSED AHEAD" 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. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
- All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.



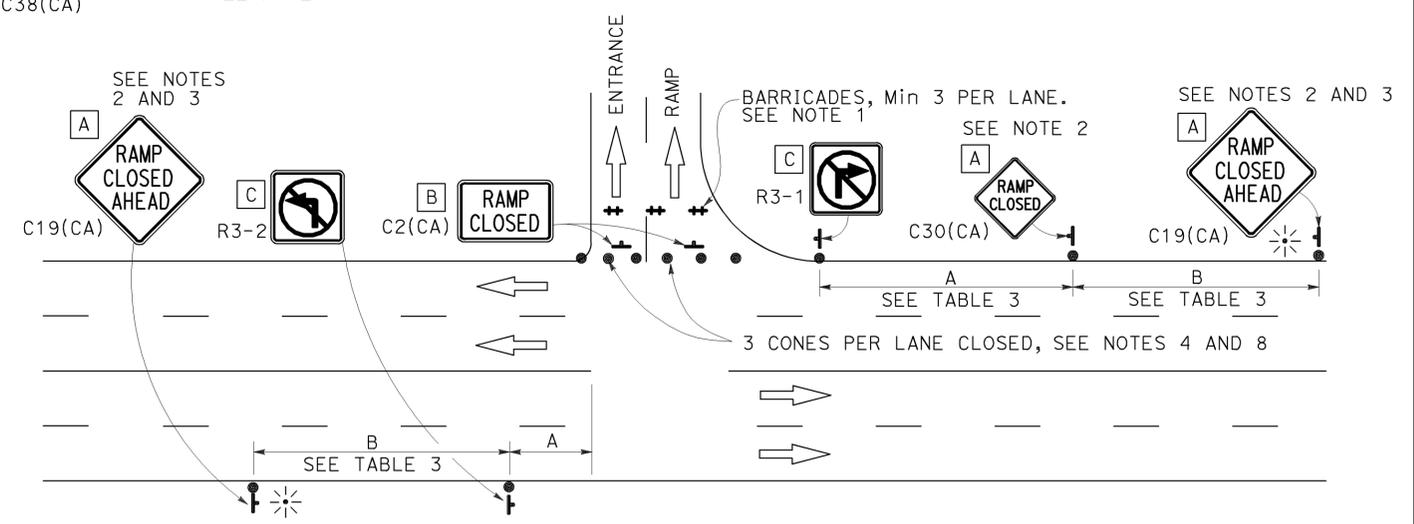
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

- See Revised Standard Plan RSP 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.
- Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
- California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURE**
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.
REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd,Riv	10,91	11.5 17.4/20.9	8	12

Edward Li
REGISTERED CIVIL ENGINEER
DATE 8-31-15
PLANS APPROVAL DATE 10-1-15

EDWARD GUOJUN LI
REGISTERED PROFESSIONAL ENGINEER
No. C56706
Exp. 06/30/17
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LEGEND:

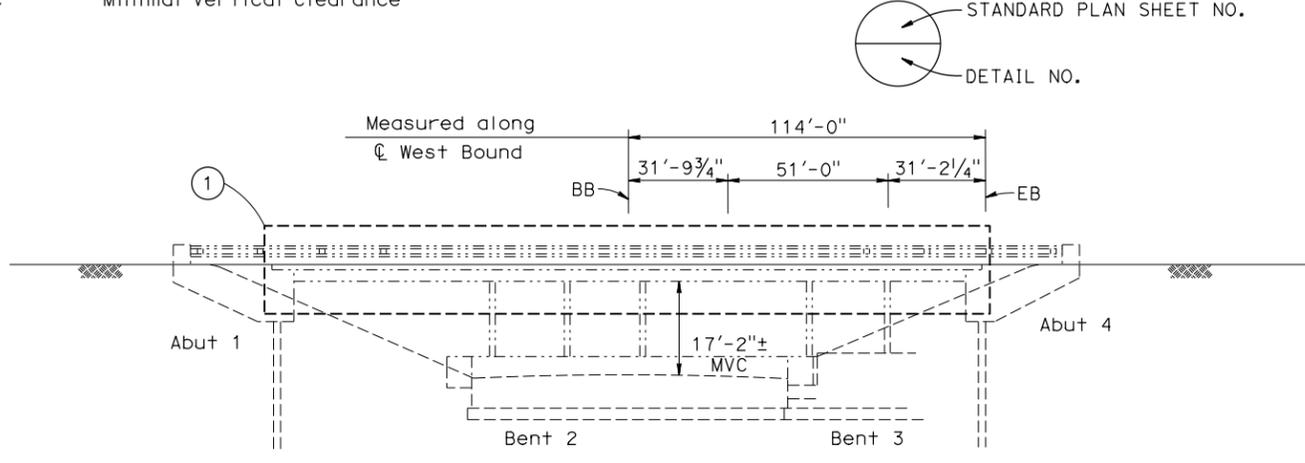
- Indicates existing.
- ➔ Indicates direction of traffic.
- ① Indicates limits of clean, spot blast clean and paint undercoat, application of the specified paint system to steel members.
- MVC Minimal Vertical Clearance

STANDARD PLANS DATED 2010

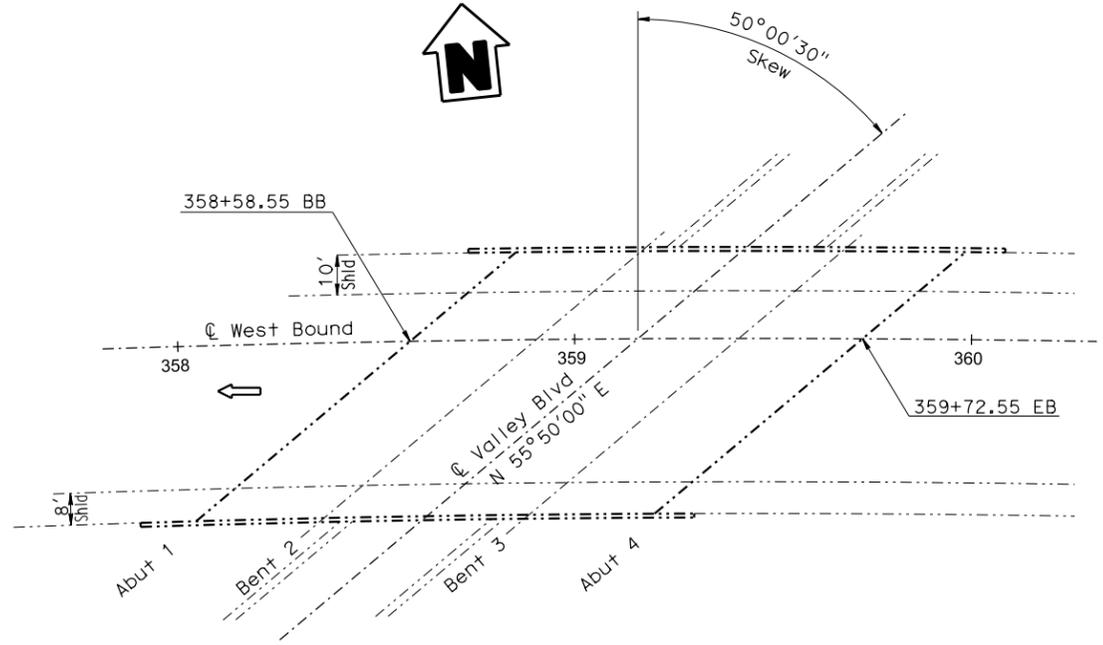
SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	GENERAL PLAN NO. 5



ELEVATION
NO SCALE



PLAN
NO SCALE

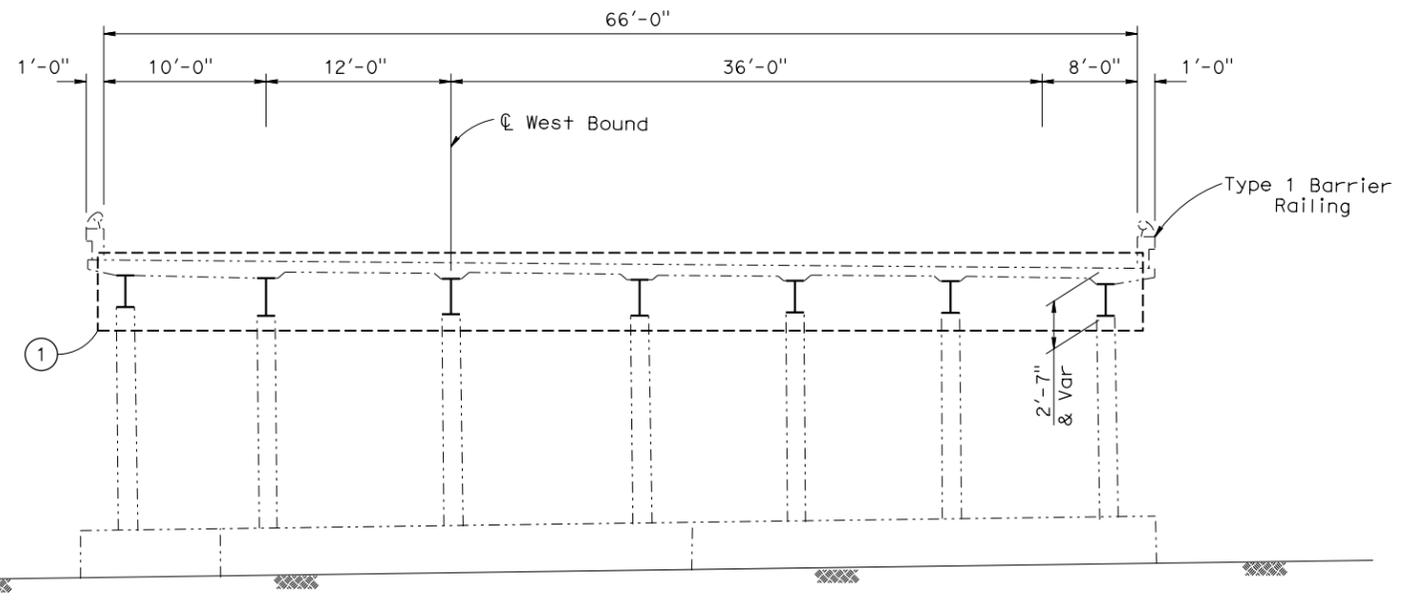
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITIES FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

VALLEY BOULEVARD OFF-RAMP UC LEFT #54-0030L
QUANTITIES

LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	1,300 SQFT

PAINT TABLE

ITEM	APPROX AREA (SQFT)
Spot Blast Clean And Paint Undercoat	1,300



TYPICAL SECTION
NO SCALE

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Theresa Nedwick

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.
54-0030L
POST MILE
11.50

VALLEY BLVD OFF-RAMP UC -LEFT BRIDGE

**PAINT STRUCTURE
GENERAL PLAN NO. 1**

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 3489
PROJECT NUMBER & PHASE: 0813000046 1 CONTRACT NO.: 08-1C8404

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
08-23-13 09-12-13 12-06-13 08-10-15	01	05

FILE => 08-1c8401-a-gp01.dgn

USERNAME => s125726 DATE PLOTTED => 02-OCT-2015 TIME PLOTTED => 14:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10,91	11.5 17.4/20.9	9	12

Edward Li
 REGISTERED CIVIL ENGINEER DATE 8-31-15
 10-1-15
 PLANS APPROVAL DATE

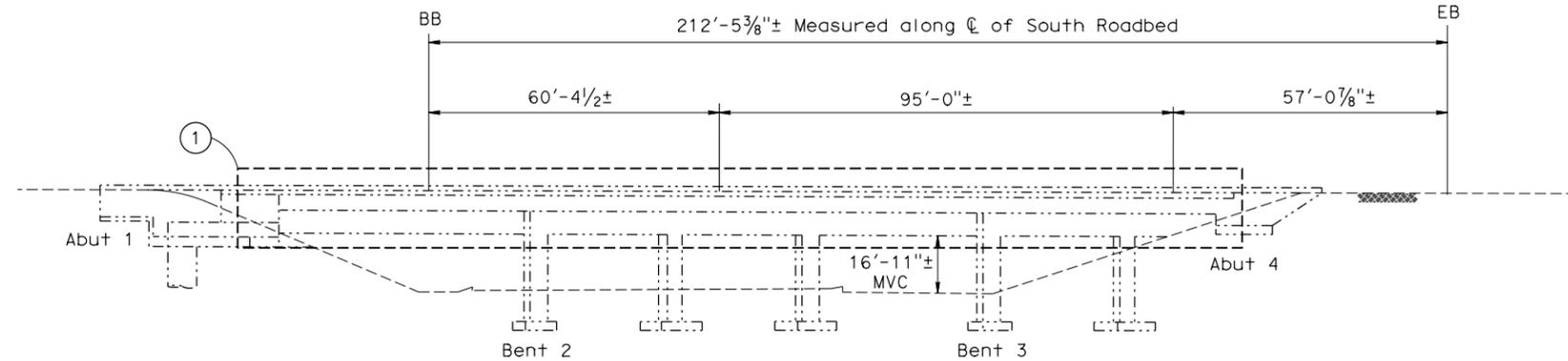
REGISTERED PROFESSIONAL ENGINEER
 EDWARD GUOJUN LI
 No. C56706
 Exp. 06/30/17
 CIVIL
 STATE OF CALIFORNIA

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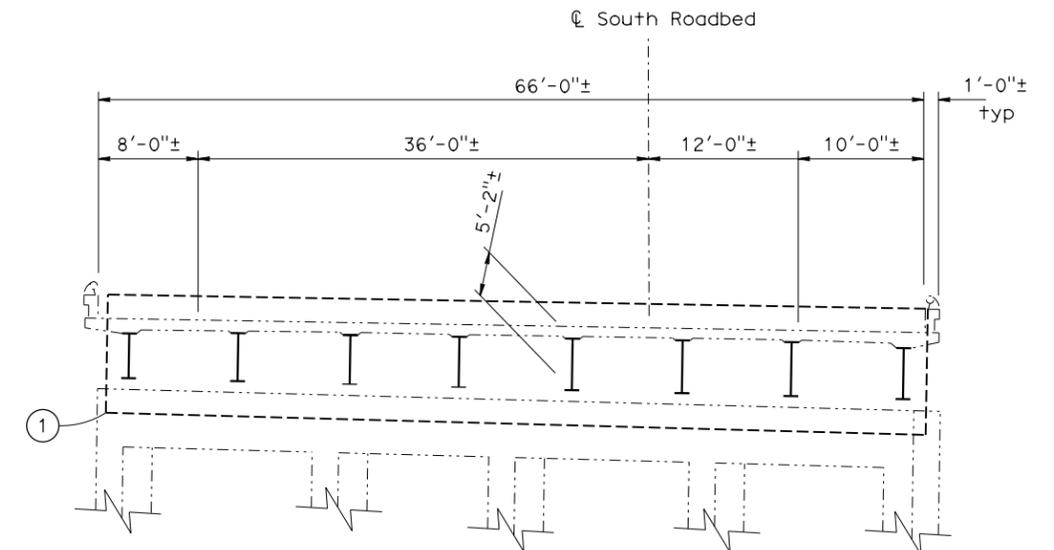
LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- ① Indicates limits of clean, spot blast clean and paint undercoat, application of the specified paint system to steel members.
- MVC Minimal Vertical Clearance

PAINT TABLE	
ITEM	APPROX AREA (SQFT)
Spot Blast Clean And Paint Undercoat	2,400



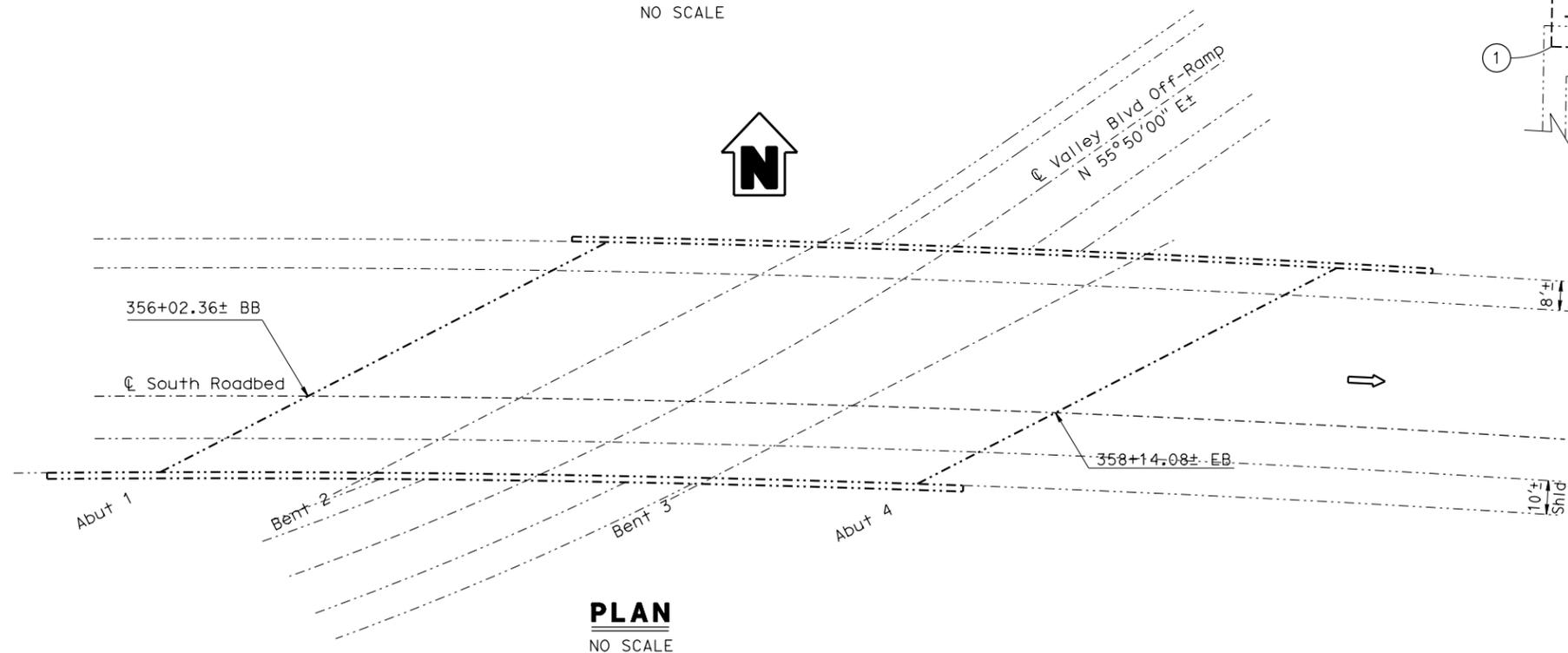
ELEVATION
NO SCALE



TYPICAL SECTION
NO SCALE

VALLEY BOULEVARD OFF-RAMP UC RIGHT #54-0030R
QUANTITIES

LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	2,400 SQFT



PLAN
NO SCALE

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITIES FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Theresa Nedwick

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN
 BRIDGE NO. 54-0030R
 POST MILE 11.50

VALLEY BLVD OFF-RAMP UC - RIGHT BRIDGE
PAINT STRUCTURE
GENERAL PLAN NO. 2

USERNAME => s125726 DATE PLOTTED => 02-OCT-2015 TIME PLOTTED => 14:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 91	11.5 17.4/20.9	10	12

Edward Li
REGISTERED CIVIL ENGINEER DATE 8-31-15

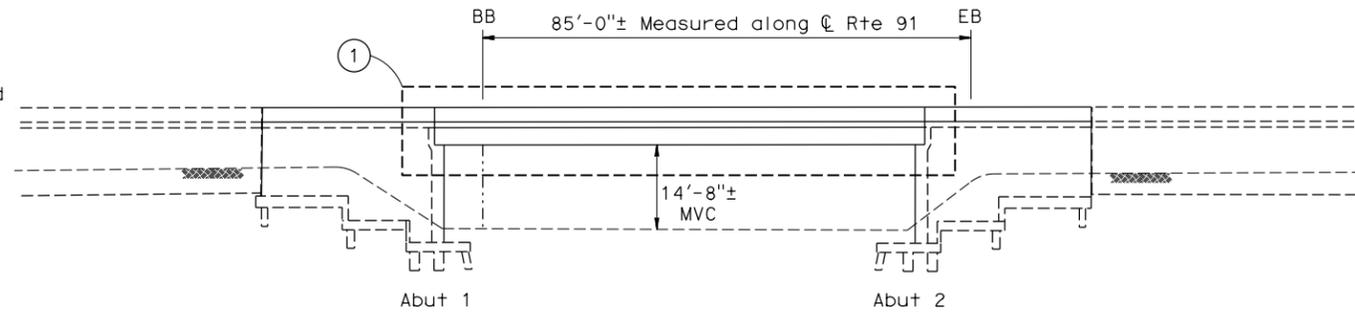
10-1-15
PLANS APPROVAL DATE

No. C56706
Exp. 06/30/17
EDWARD GUOJUN LI
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

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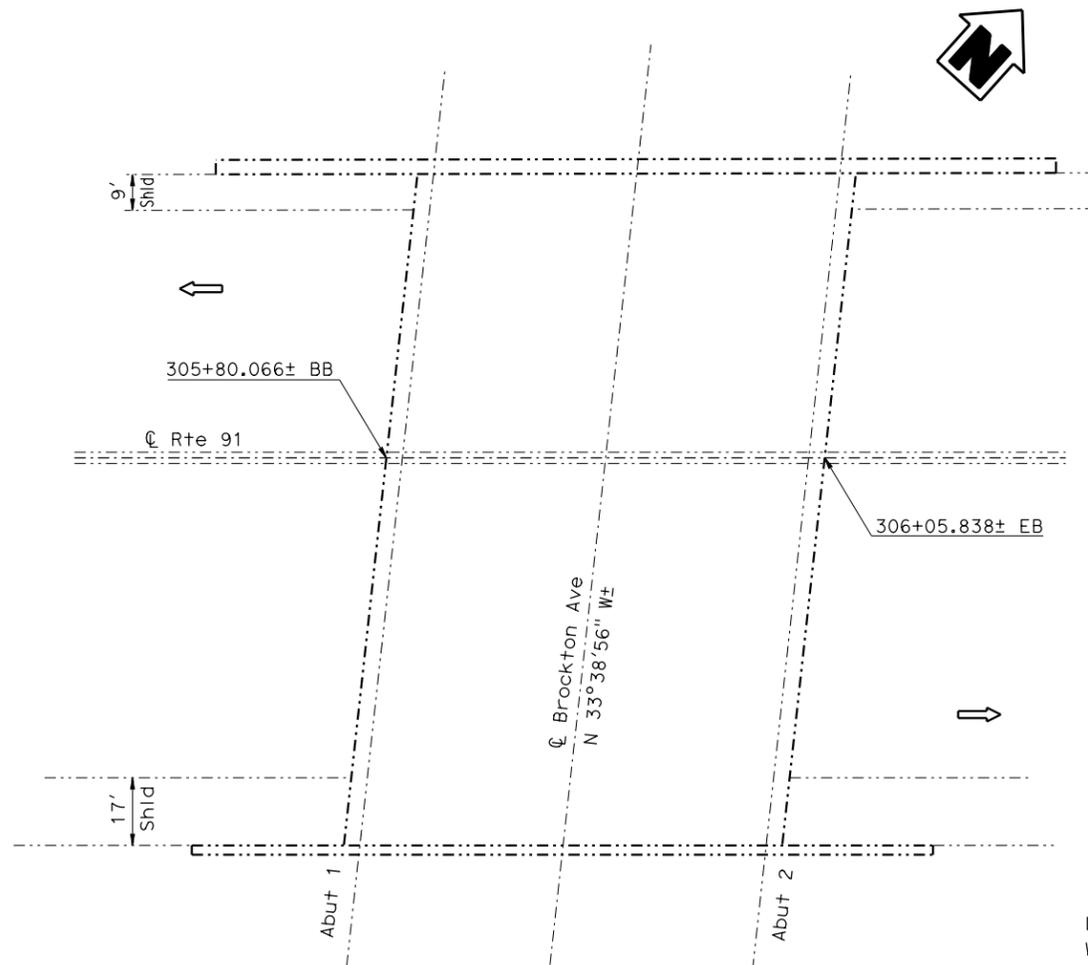
- Indicates existing.
- ➔ Indicates direction of traffic.
- ① Indicates limits of clean, spot blast clean and paint undercoat, application of the specified paint system to steel members.
- MVC Minimal Vertical Clearance



ELEVATION

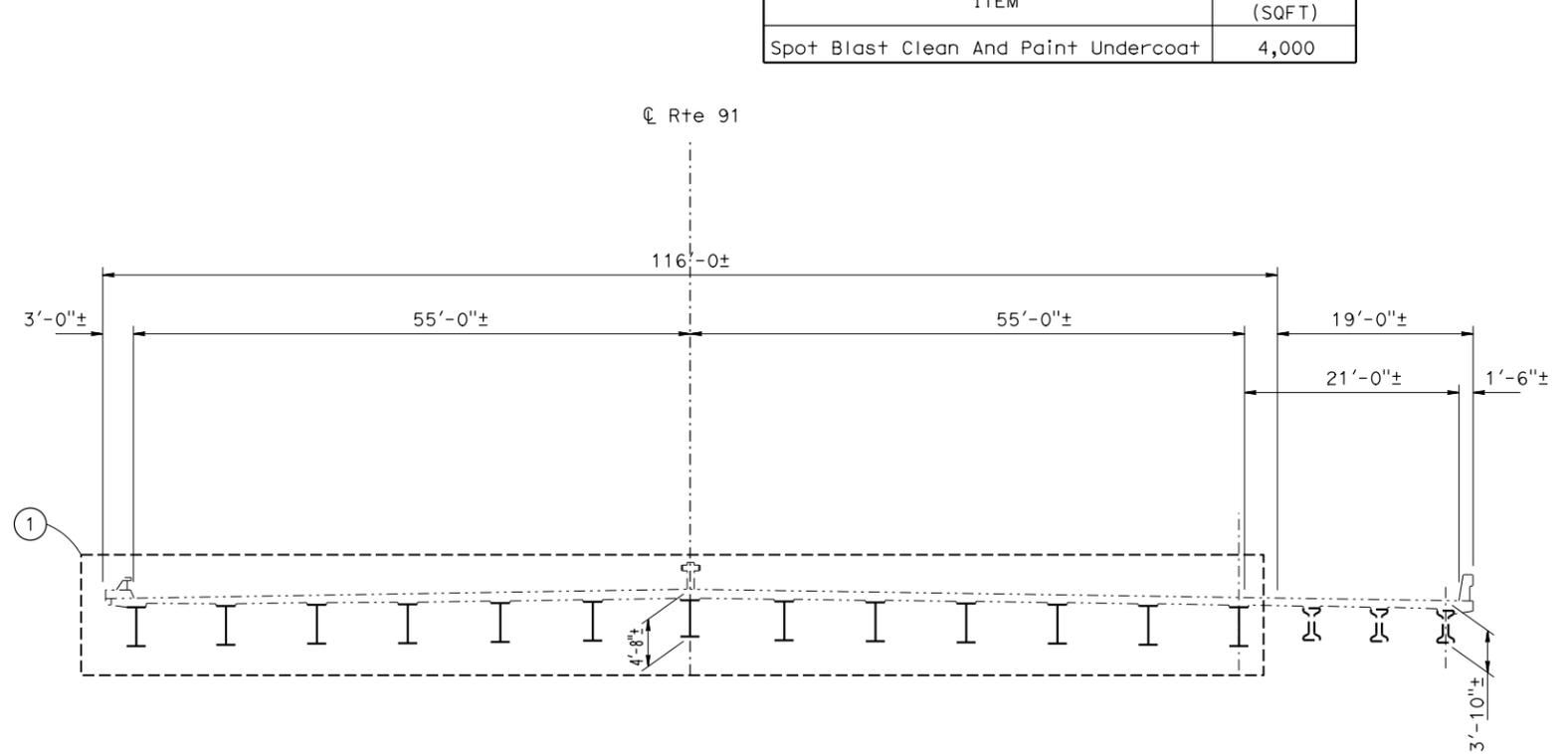
NO SCALE

PAINT TABLE	
ITEM	APPROX AREA (SQFT)
Spot Blast Clean And Paint Undercoat	4,000



PLAN

NO SCALE



TYPICAL SECTION

NO SCALE

BROCKTON AVENUE UC #56-0385

QUANTITIES

LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	4,000 SQFT

NOTE:
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TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Hong Tien Tran
DETAILS	BY Clayton Tom	CHECKED Edward Li
QUANTITIES	BY Edward Li	CHECKED Hong Tien Tran

LOAD FACTOR DESIGN	BY Clayton Tom	CHECKED Edward Li
LAYOUT	BY Clayton Tom	CHECKED Edward Li
SPECIFICATIONS	BY Theresa Nedwick	CHECKED Theresa Nedwick

LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	BY Clayton Tom	CHECKED Edward Li
PLANS AND SPECS COMPARED	BY Theresa Nedwick	CHECKED Theresa Nedwick

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	56-0385
POST MILE	17.43

BROCKTON AVENUE UC

**PAINT STRUCTURE
GENERAL PLAN NO. 3**

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0813000046 1 CONTRACT NO.: 08-1C8404

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
08-23-13 09-12-13 12-08-13 08-10-15	03	05

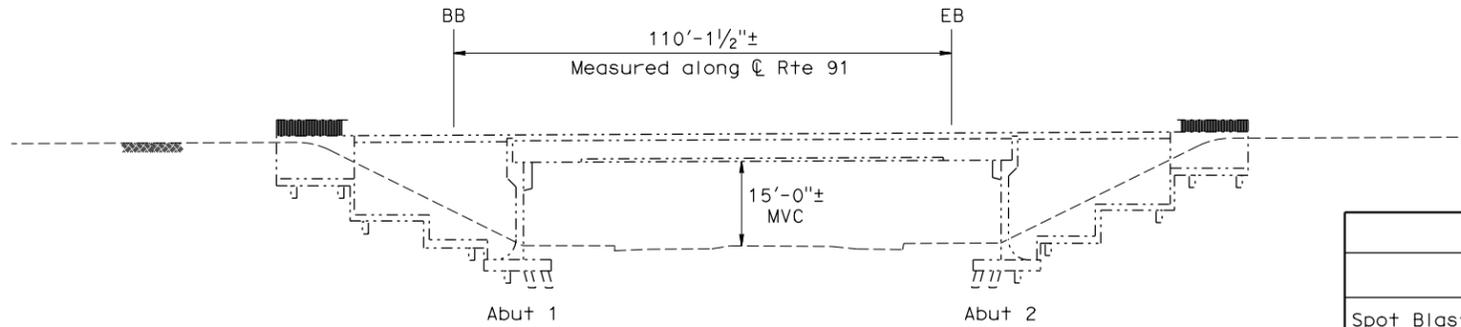
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USERNAME => s125726 DATE PLOTTED => 02-OCT-2015 TIME PLOTTED => 15:05

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 91	11.5 17.4/20.9	11	12
<i>Edward Li</i> REGISTERED CIVIL ENGINEER			8-31-15 DATE		
10-1-15 PLANS APPROVAL DATE					
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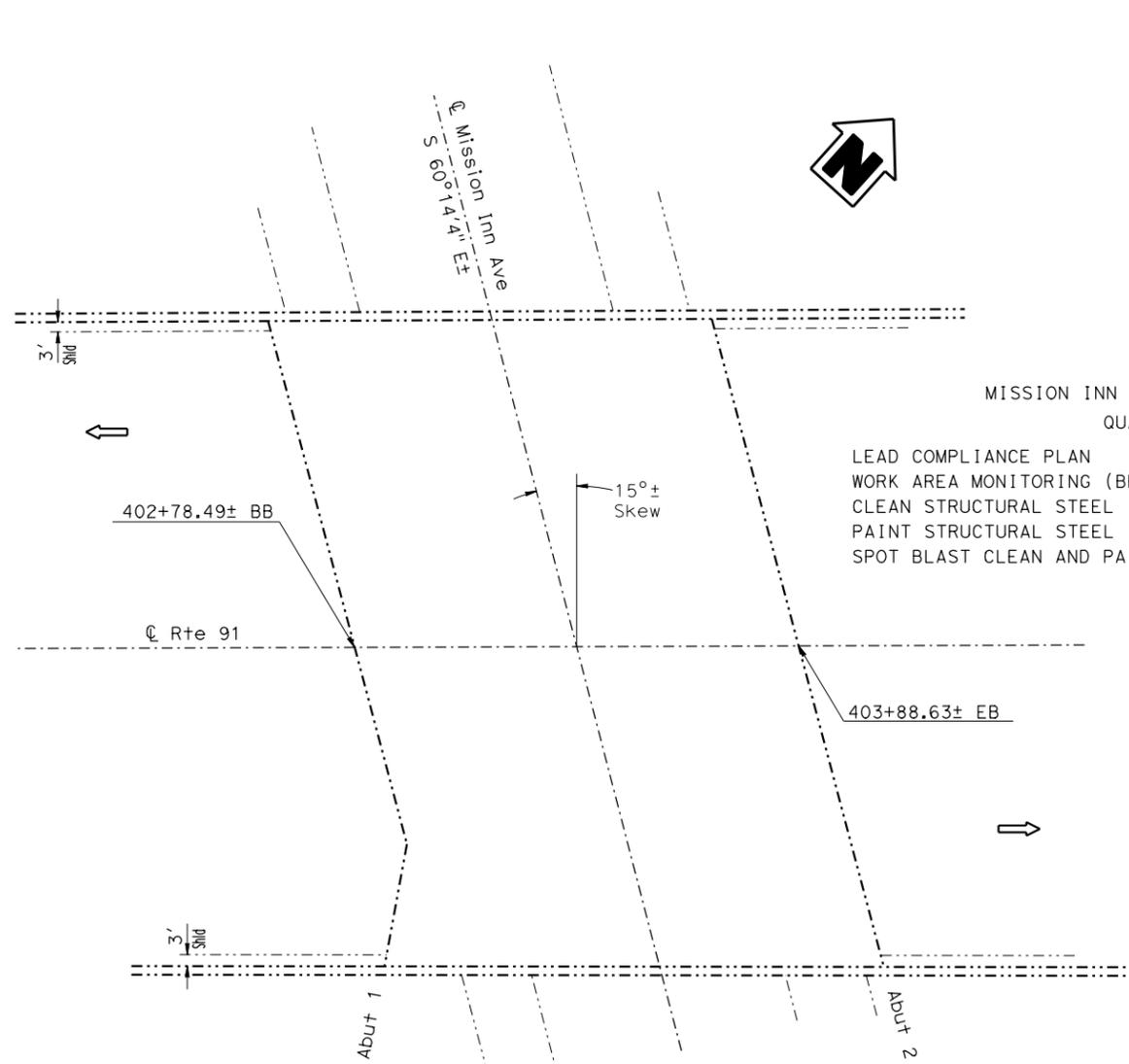
- Indicates existing.
- Indicates direction of traffic.
- ① Indicates limits of clean, spot blast clean and paint undercoat, application of the specified paint system to steel members.
- MVC Minimal Vertical Clearance



ELEVATION

NO SCALE

PAINT TABLE	
ITEM	APPROX AREA (SQFT)
Spot Blast Clean And Paint Undercoat	710

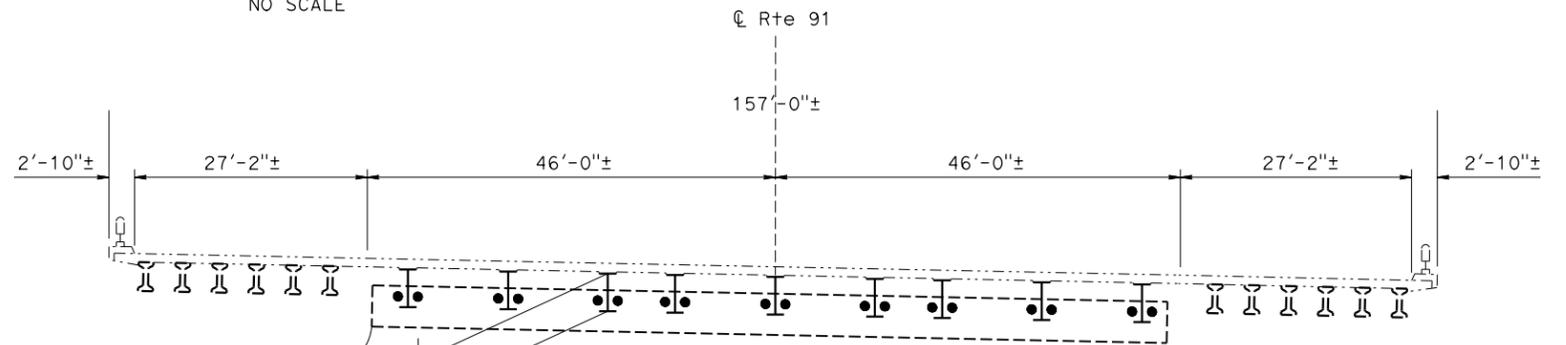


PLAN

NO SCALE

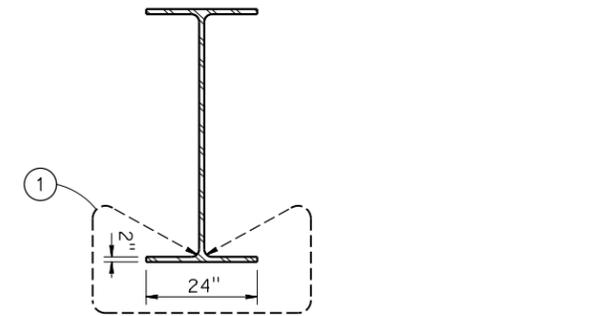
MISSION INN AVENUE UC #56-0315
QUANTITIES

LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	710 SQFT

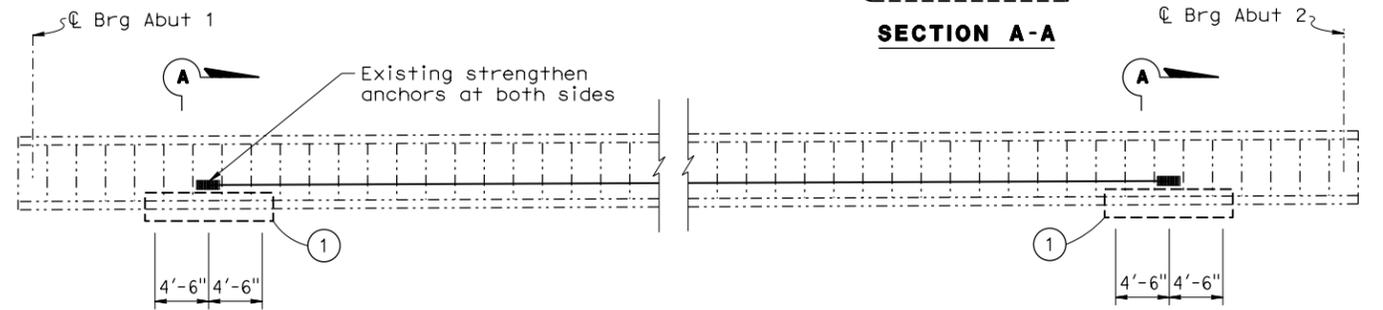


TYPICAL SECTION

NO SCALE



SECTION A-A



GIRDER ELEVATION

NO SCALE

NOTE:
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TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Li	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	56-0315
	DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom			POST MILE	20.53
	QUANTITIES	BY Edward Li	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Theresa Nedwick			CHECKED Edward Li	PLANS AND SPECS COMPARED

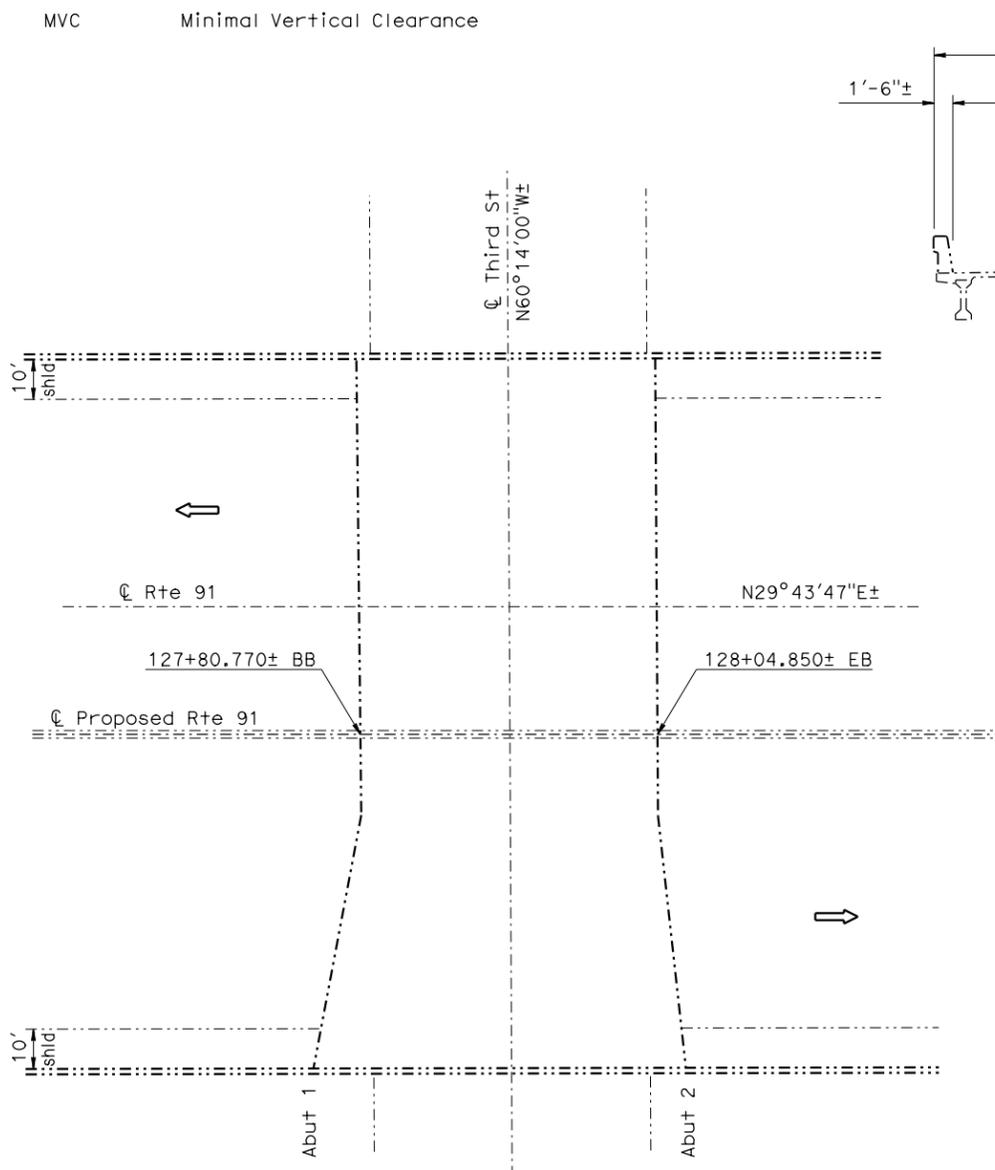
MISSION INN AVENUE UC	
PAINT STRUCTURE	
GENERAL PLAN NO. 4	
REVISION DATES	SHEET OF
08-31-15 09-12-15 12-06-15 08-10-15	04 05

USERNAME => s125726 DATE PLOTTED => 02-OCT-2015 TIME PLOTTED => 15:07

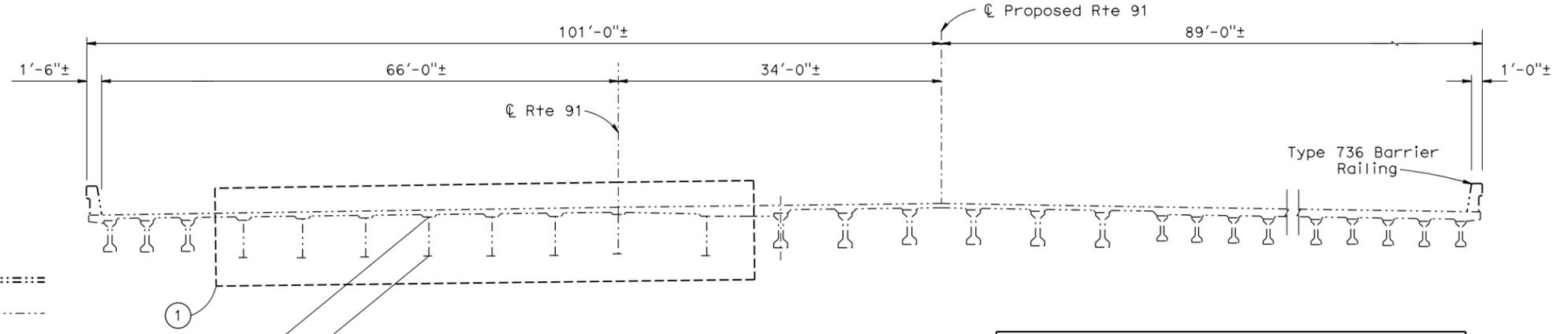
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 91	11.5 17.4/20.9	12	12
<i>Edward Li</i> REGISTERED CIVIL ENGINEER			8-31-15 DATE		
10-1-15 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

LEGEND:

- Indicates existing.
- ➔ Indicates direction of traffic.
- ① Indicates limits of clean, spot blast clean and paint undercoat, application of the specified paint system to steel members.
- MVC Minimal Vertical Clearance

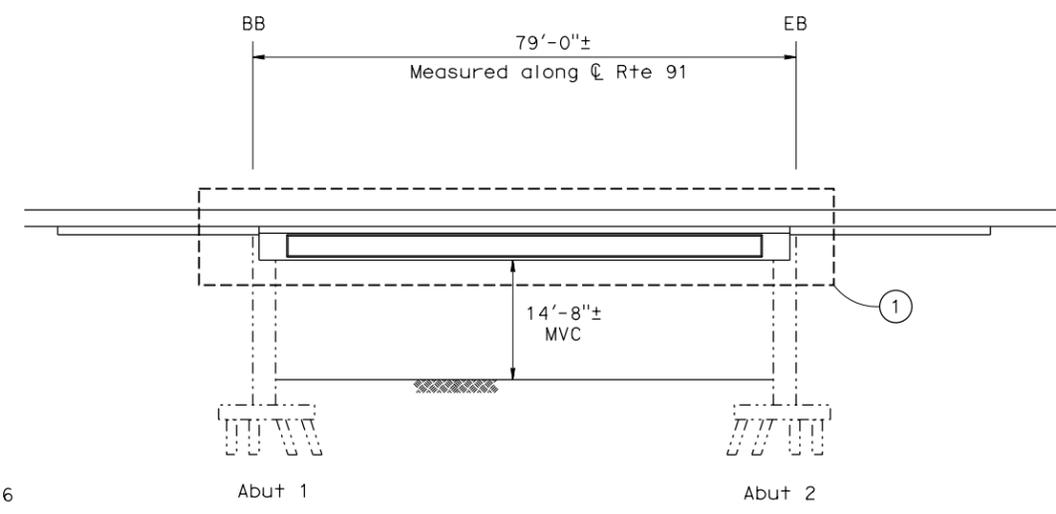


PLAN
NO SCALE



TYPICAL SECTION
NO SCALE

ITEM	APPROX AREA (SQFT)
Spot Blast Clean And Paint Undercoat	3,670



ELEVATION
NO SCALE

**THIRD STREET UC #56-0316
QUANTITIES**

LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	3,670 SQFT

NOTE:
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TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Theresa Nedwick
				CHECKED Edward Li
				PLANS AND SPECS COMPARED Theresa Nedwick

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	56-0316
POST MILE	20.85

**THIRD STREET UC
PAINT STRUCTURE
GENERAL PLAN NO. 5**



DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	08-23-13 09-12-13 12-06-13 08-10-15	05	05