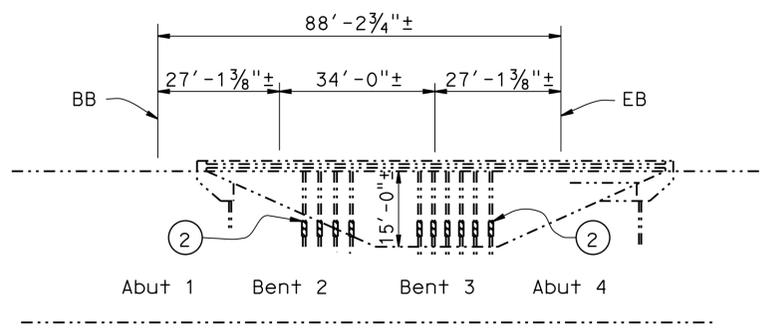


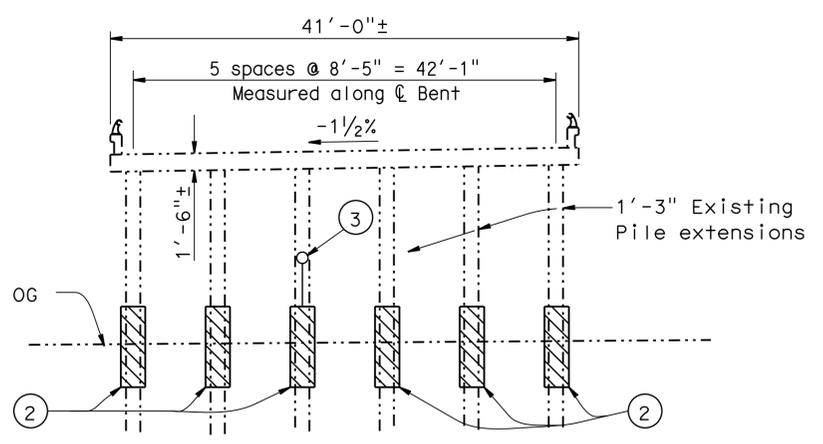
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Mer	5	13.9/27.4	15	21

Charles R. Hutchinson
 REGISTERED CIVIL ENGINEER
 10-16-15 DATE
 12-7-15 PLANS APPROVAL DATE
 No. C 54226
 Exp. 12-31-15
 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.



ELEVATION



TYPICAL SECTION AT BENTS

1 REPLACED PER ADDENDUM No. 1 DATED FEBRUARY 18, 2016

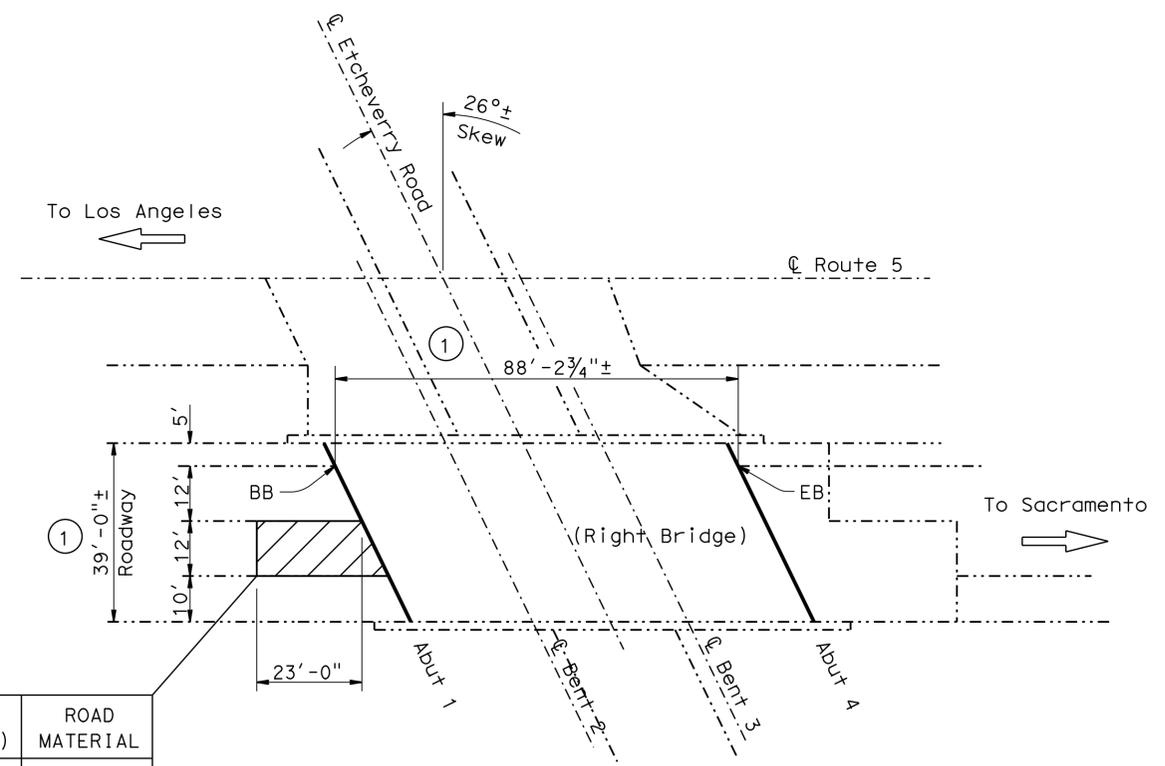
BRIDGE NUMBER	LOCATION	DL + LL + I (K)	DEAD LOAD (K)	LATERAL LOAD (K)
39-0159R	Span 1 @ Bent 2	399	185	20
	Span 2 @ Bent 2	399	185	20

Notes:
 Place temporary supports at the bent being repaired. The maximum allowable transverse displacement of the structure measured at the soffit relative to the base of the temporary supports is 1". The differential vertical lift between jacks must not exceed 1/16". The temporary support must be jacked to provide a snug fit with the bridge support.
 All footing for temporary supports must not exceed a soil bearing pressure of 3,000 psf on roadway, sidewalk, curb, or gutter. All other locations not to exceed 3,500 psf.

- Note: (Apply to this sheet only)
- Indicates existing structure
 - ① Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
 - Indicates limits of remove existing joint seal and place new joint seal. See "MISCELLANEOUS DETAILS" sheet.
 - ▨ Indicates limits of remove existing approach pavement and place new Structure Approach Slab Type R(30D) and paving notch extension.
 - ② ▨ Indicates limits of repair columns (total 12). For details see "COLUMN REPAIR DETAILS" sheet.
 - ③ Indicates location of galvanic anode monitors (one at each bent, tot 2 monitors). For details see "COLUMN REPAIR DETAILS" sheet.

**GENERAL NOTES
LOAD FACTOR DESIGN**

- DESIGN:**
 Bridge Design Specifications (1996 AASHTO w/Revisions by Caltrans)
- DEAD LOAD:**
 Includes 35 psf for future wearing surface.
- LIVE LOADING:**
 HL93 and permit design load.
- REINFORCED CONCRETE:**
 fy = 60 ksi
 f'c = 3.6 ksi
 n = 8



PLAN
ETCHEVERRY ROAD UC
 BR. NO. 39-0159R, RTE 5, PM 15.12
 1"=20'

DEPTH (inches)	ROAD MATERIAL
12	PCC
6	Untreated Rock base

ETCHEVERRY ROAD UC BRIDGE NO. 39-0159R

PREPARE CONCRETE BRIDGE DECK SURFACE	3,441	SQFT
TREAT BRIDGE DECK	3,441	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	46	GAL
BRIDGE REMOVAL (PORTION)	LUMP	SUM
STRUCTURE EXCAVATION (PB)	54	CY
STRUCTURE BACKFILL (BRIDGE)	52	CY
TEMPORARY SUPPORT	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE (REPAIR)	5	CY
AGGREGATE BASE (APPROACH SLAB)	1	CY
STRUCTURE CONCRETE, APPROACH SLAB (TYPE R)	14	CY
PAVING NOTCH EXTENSION	11	CF
CLEAN EXPANSION JOINT	88	LF
JOINT SEAL (MR 1/2")	88	LF
GALVANIC ANODE	144	EA
GALVANIC ANODE MONITOR	2	EA
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE) (REPAIR)	135	LB
ASPHALT MEMBRANE WATERPROOFING	345	SQFT

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 DESIGN ENGINEER 10-16-15	DESIGN BY Charles Hutchinson DETAILS BY Trung Lam QUANTITIES BY Charles Hutchinson	CHECKED Franz Espinoza CHECKED Franz Espinoza CHECKED Franz Espinoza	LAYOUT BY Trung Lam SPECIFICATIONS BY Tanya Kershell	CHECKED Charles Hutchinson PLANS AND SPECIFICATIONS COMPARED Tanya Kershell	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS POST MILE VARIES	ROUTE 5 BRIDGES GENERAL PLAN NO. 2
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3	UNIT: 3488 PROJECT NUMBER & PHASE: 1015000064 1 CONTRACT NUMBER: 10-1E0904	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 12-31-15, 4-09-15, 9-17-15, 11-23-15 SHEET 2 OF 8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Mer	5	13.9/27.4	19	21

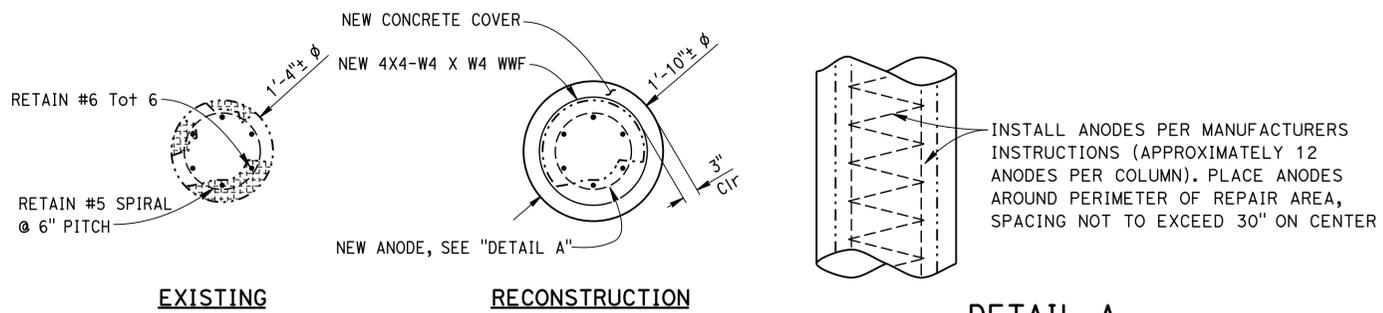
Charles R. Hutchinson
 REGISTERED CIVIL ENGINEER DATE 10-16-15
 PLANS APPROVAL DATE 12-7-15
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-15
 CIVIL
 STATE OF CALIFORNIA

NOTES: (APPLY TO THIS SHEET ONLY)

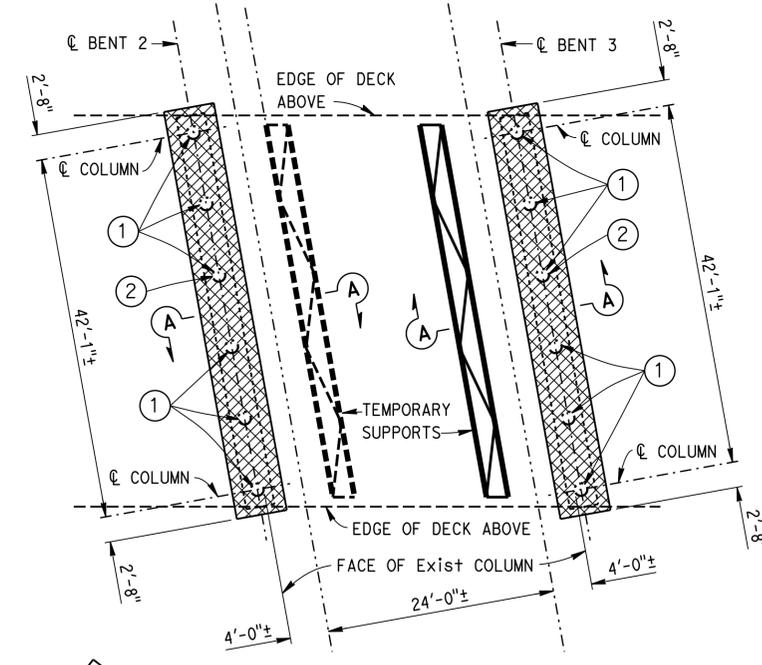
-  Indicates limits of structure excavation (PB).
-  Indicates limits of structure backfill.
-  Indicates limits of remove all unsound concrete (1"± past rebar) and deleterious material, retain and clean all exposed reinforcing steel.
-  Indicates limits of place new epoxy coated 4X4-W4 X W4 welded wire fabric (WWF) and 3" minimum concrete cover.

- ① Indicates columns to be repaired (total 12).
 - ② Indicates location of galvanic anode monitors (one at each bent, tot 2 monitors).
- * Waterproof all surfaces of new concrete prior to placing structure backfill.

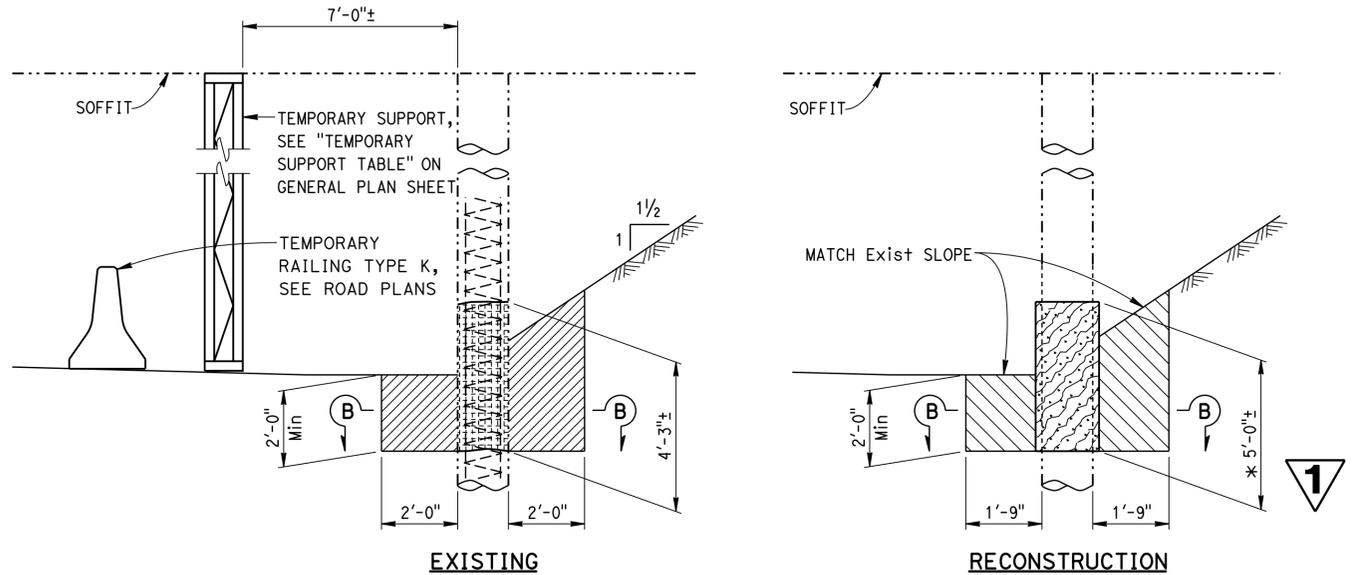


COLUMN REPAIR DETAIL
 NO SCALE

LIMITS OF DAMAGE AND REPAIR ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL LIMITS OF DAMAGE AND REPAIR SHALL BE DETERMINED BY THE ENGINEER.
 NO SCALE

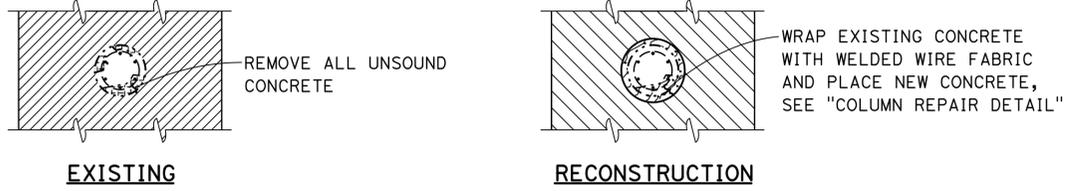


TYPICAL BENT PLAN
 1/8" = 1'
 Br No. 39-0159R



SECTION A-A
 NO SCALE

1 REPLACED PER ADDENDUM No. 1 DATED FEBRUARY 18, 2016



SECTION B-B
 1/2" = 1'

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY Charles Hutchinson	CHECKED Franz Espinoza	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 5 BRIDGES COLUMN REPAIR DETAILS
DETAILS	BY Trung Lam	CHECKED Franz Espinoza			POST MILE	VARIES	
QUANTITIES	BY Charles Hutchinson	CHECKED Franz Espinoza			CONTRACT NUMBER:	10-1E0904	

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT: 3488
 PROJECT NUMBER & PHASE: 1015000064 1
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 10-16-15, 11-17-15, 12-31-15, 3-17-15
 SHEET 6 OF 8
 FILE => 10-1e0901_06_col_repair_dets.dgn