

**CITY OF DANA POINT
PLANNING COMMISSION
AGENDA REPORT**

DATE: OCTOBER 17, 2016

TO: DANA POINT PLANNING COMMISSION

FROM: COMMUNITY DEVELOPMENT DEPARTMENT
URSULA LUNA-REYNOSA, COMMUNITY DEVELOPMENT DIRECTOR
SEAN NICHOLAS, SENIOR PLANNER

SUBJECT: PRELIMINARY REVIEW (PA16-0104) BY THE PLANNING COMMISSION
OF PROPOSED MAINTENANCE AND SIX WEEK CLOSURE OF THE
SURFSIDE PEDESTRIAN OVERCROSSING BRIDGE.

RECOMMENDATION: That the Planning Commission receive staff's presentation and update regarding the maintenance work and six week closure to complete work on the surfside pedestrian overcrossing bridge.

APPLICANT: County of Orange Public Works

PROPERTY OWNER: County of Orange

REQUEST: Preliminary review by the Planning Commission of the proposed maintenance work and six week closure needed on the remaining portion of the surfside pedestrian overcrossing bridge.

LOCATION: Pacific Coast Highway, across from 34680 Pacific Coast Highway

NOTICE: No noticing is required, but a courtesy notice was sent to Property Owners within 300 feet.

ENVIRONMENTAL: Categorically Exempt under CEQA pursuant to Section 15301, Class 1, Repair and Maintenance of Existing Facilities.

ISSUES:

- Conceptual review of the repair and maintenance plans and six week closure of the pedestrian overcrossing bridge.

BACKGROUND:

The applicant, Orange County Public Works, is proposing to complete repair and maintenance work on the remaining portion of the overcrossing bridge on Pacific Coast Highway in Capistrano Beach. As a component of that work, the bridge will need to be closed for six weeks for the work to be safely completed. The project requires a Coastal Development Permit, and the Coastal Commission has jurisdiction over this project. The County has requested conceptual review by the City of the maintenance project. City staff has not identified any issues with the project, but wanted to refer the item to the Planning Commission to raise awareness of the bridge maintenance work and associated bridge closure period.

Pursuant to Section 9.61.100 of the City's Zoning Ordinance, a preliminary review is appropriate for projects which may involve more significant issues of sensitivity. The objective of this exercise is to provide the applicant with a sense of any issues that may need to be addressed in the formal application. The preliminary review process is not intended and cannot be used as a process to determine the ultimate decision on a formal application.

DISCUSSION:

Repair and Maintenance

Orange County Public Works is proposing to close the Pedestrian Overcrossing at Capistrano Surfside Inn (over railroad right-of-way) for six weeks to complete temporary repairs and maintenance on the remaining portion of the bridge. The closure is necessary to expedite the work, and to address safety concerns. The bridge has a narrow pathway, and there is not sufficient space to work on the bridge and have safe pedestrian access. The work proposed on the bridge includes:

- structural maintenance
- repair to the concrete and walking surfaces
- replacement of the chain link pedestrian enclosure

When the maintenance work is completed, there will be minimal visual or aesthetic change aside from the new fencing, an example of which is shown as Figure 1.

Figure 1: Proposed Pedestrian Bridge Enclosure Fencing



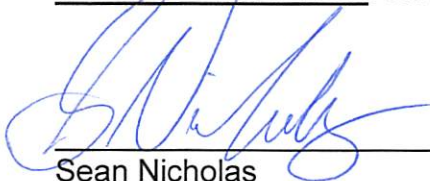
The new fencing is chain link, the same as existing, but is encased in a gray vinyl cover to reduce the impact of the salt air on the metal material.

The County still needs to acquire permits from the Coastal Commission and Metrolink, and finalize the construction documents, so the proposed work is scheduled to begin in March 2017, and will be completed prior to Memorial Day. The project is intended to ensure the safety of pedestrians utilizing the bridge for the next few years while the design of the replacement pedestrian bridge is completed.

Replacement Bridge Update

While the issue before Planning Commission is simply the temporary repair and maintenance of the existing bridge, Orange County Public Works has stated they are working on the design for the full replacement bridge. At this time, the County of Orange is proposing to begin work on the full replacement bridge in fiscal year 2020/2021 depending on the completion of design work and obtaining funding. To start preparing for that work, the County is looking to bring back renderings of the replacement bridge in early 2017 for review by the Planning Commission. Comments related to the replacement bridge would be appropriate at that time.

CORRESPONDENCE: None.


Sean Nicholas
Senior Planner


Ursula Luna-Reynosa, Director
Community Development Department

ATTACHMENTS:

1. Plans from Orange County Public Works
2. Location Map

ORANGE COUNTY OC PUBLIC WORKS

SANTA ANA, CALIFORNIA

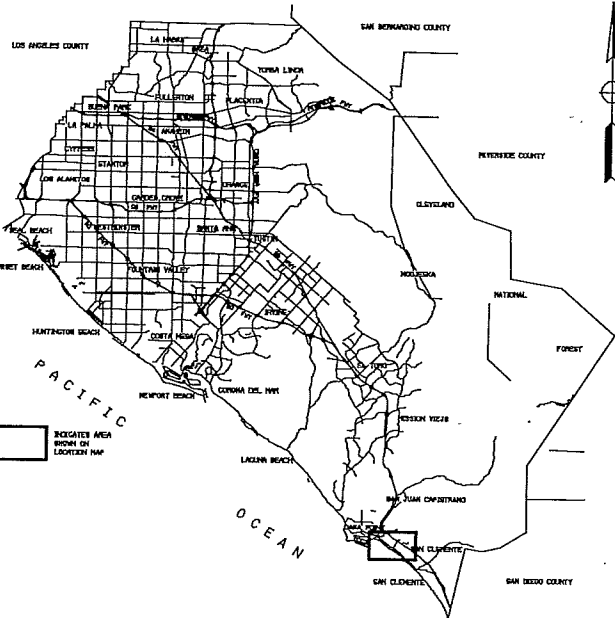
SHANE L. SILSBY, DIRECTOR

PLANS FOR THE
CONSTRUCTION OF

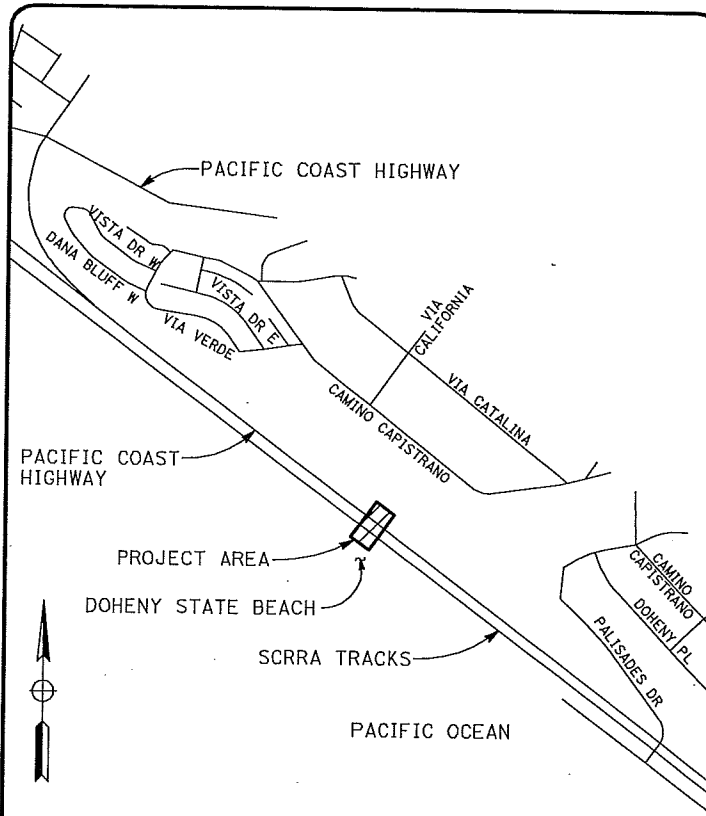
CAPISTRANO SURFSIDE INN PEDESTRIAN OVERCROSSING REHABILITATION

(34680 COAST HIGHWAY, DANA POINT, CA)
W.O. #ER03748

JUNE 2016



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

PREPARED UNDER THE
RESPONSIBLE CHARGE OF:

MICHAEL THOMAS, S.E.
BIGGS CARDOSA ASSOCIATES, INC.

DATE



PLANS REVIEWED BY:
CITY OF DANA POINT, PUBLIC WORKS & ENGINEERING SERVICES
33282 GOLDEN LANTERN
DANA POINT, CA 92629

MATTHEW V. SINACORI, CITY ENGINEER DATE
RCE #69239 EXP. 06/30/17

THIS PLAN IS SIGNED BY THE CITY ENGINEER FOR SCOPE AND ADHERENCE TO CITY STANDARDS AND
REQUIREMENTS, CITY CODES, AND OTHER GENERAL ENGINEERING AND REGULATORY REQUIREMENTS ONLY.
THE CITY ENGINEER IS NOT RESPONSIBLE FOR DESIGN, ASSUMPTIONS, OR ACCURACY.



OC PUBLIC WORKS

SUBMITTED:

REGINA HU, P.E.
SENIOR CIVIL ENGINEER, DESIGN DIVISION

DATE

RECOMMENDED:

ISAAC ALONSO RICE, P.E.
TRANSPORTATION & INFRASTRUCTURE DESIGN DIVISION

DATE

APPROVED:

KHALID BAZMI, P.E.
COUNTY ENGINEER/ASSISTANT DIRECTOR OF OC PUBLIC WORKS

DATE

INDEX TO SHEETS

SHEET	DESCRIPTION
1	TITLE SHEET
2	GENERAL PLAN
3	GENERAL NOTES
4	GIRDER REPAIRS
5	BENT REPAIRS
6	CHAIN LINK RAILING DETAILS No. 1
7	CHAIN LINK RAILING DETAILS No. 2
8	CHAIN LINK RAILING TYPE 3L (MOD) (BLACK VINYL CLAD) DETAILS

UTILITY OWNER	PHONE NO.	CONTACT
CITY OF DANA POINT	(949) 248-3574	MATTHEW SINACORI
COX COMMUNICATIONS	(949) 546-2819	STEVE DEMORA
SOUTH COAST WATER DISTRICT	(949) 499-4555	LANA REMINGTON
AT&T	(714) 237-6165	BOB FLEISCHER
SAN DIEGO GAS & ELECTRIC	(949) 381-8047	PATTI GOOD
SOUTHERN CALIFORNIA GAS COMPANY, TRANSMISSION	(818) 701-4546	ROSALYN SQUIRES
UNDERGROUND SERVICE ALERT	(800) 422-4133	
CITY OF SAN CLEMENTE WATER & SEWER SERVICES	(949) 361-6130	DAVID REBENSNDORF
SOUTHERN CALIFORNIA GAS COMPANY, DISTRIBUTION	(714) 634-3061	BRAD MORRISON
VERIZON BUSINESS	(909) 421-3316	DANIEL GARDEN
OCTA	(714) 560-5966	GERALD SMITH
RAILROAD (METROLINK/SCRR)	(909) 392-8463	CHRISTOS SOURMELIS

SCOPE OF WORK

Rehabilitation of the existing pedestrian bridge over the OCTA/Metrolink right-of-way.

Rehabilitation work includes repairing the concrete spalls and exposed reinforcement
on the existing girders and cap beams. The existing chain link fence will also be
removed and replaced with a Chain Link Railing Type 3L (Mod) (Black Vinyl Clad).

BENCH MARK

DESCRIBED BY OCS 2003-FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK
STAMPED "38-50-68", SET IN THE SOUTHERLY END OF A CONCRETE HEADWALL
FOR A 24 IN CULVERT. MONUMENT IS LOCATED ALONG THE SOUTHWESTERLY
SIDE OF PACIFIC COAST HIGHWAY, 0.55 MILES SOUTHWESTERLY OF THE
CENTERLINE OF DEL OBISPO, 0.05 MILES NORTHERLY ALONG PCH FROM A
PEDESTRIAN BRIDGE AND 40.4 FT WESTERLY OF THE CENTERLINE OF PCH.
MONUMENT IS SET LEVEL WITH THE TOP OF WALL (ELEV. = 16.995'
(LEVELED 1989) NAVD88 DATUM)

BASIS OF BEARINGS

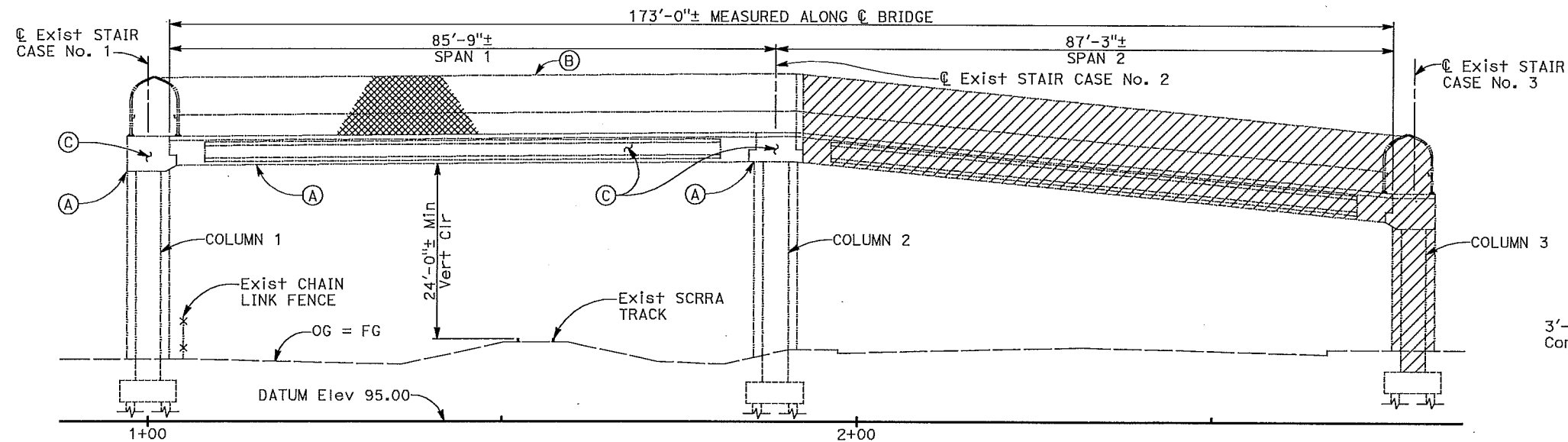
THE BASIS OF BEARING OF THIS DRAWING IS BASED ON THE CALIFORNIA
STATE PLANE COORDINATE SYSTEM (NAD83), ZONE 6, 2007.00 EPOCH PER THE
ORANGE COUNTY PUBLIC WORKS HORIZONTAL CONTROL DATA SHEET BETWEEN
STATIONS "GPS #4431R1" AND "GPS#4430" BEING N52°30'47"W. DISTANCES
SHOWN HEREON ARE IN "GRID" DISTANCES". TO CONVERT TO GROUND
DISTANCES, PLEASE SCALE BY THE COMBINATION SCALE FACTOR OF
1.000043612.

NO.	DESCRIPTION	SHT.	APPROVED	DATE
REVISIONS				

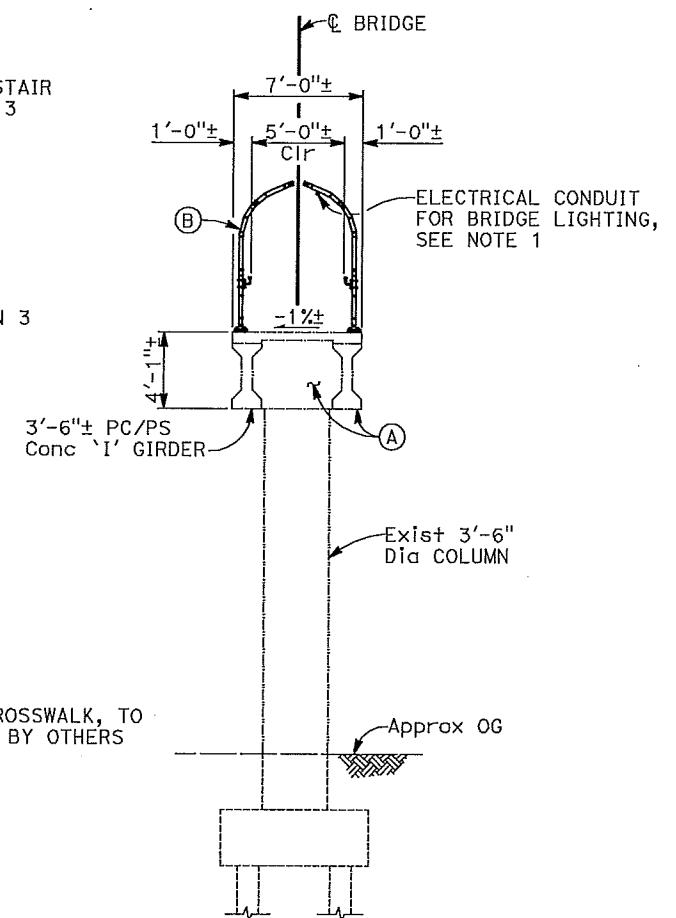
W. O. NO. ER03748
DWG. NO.

SHEET 1 OF 8

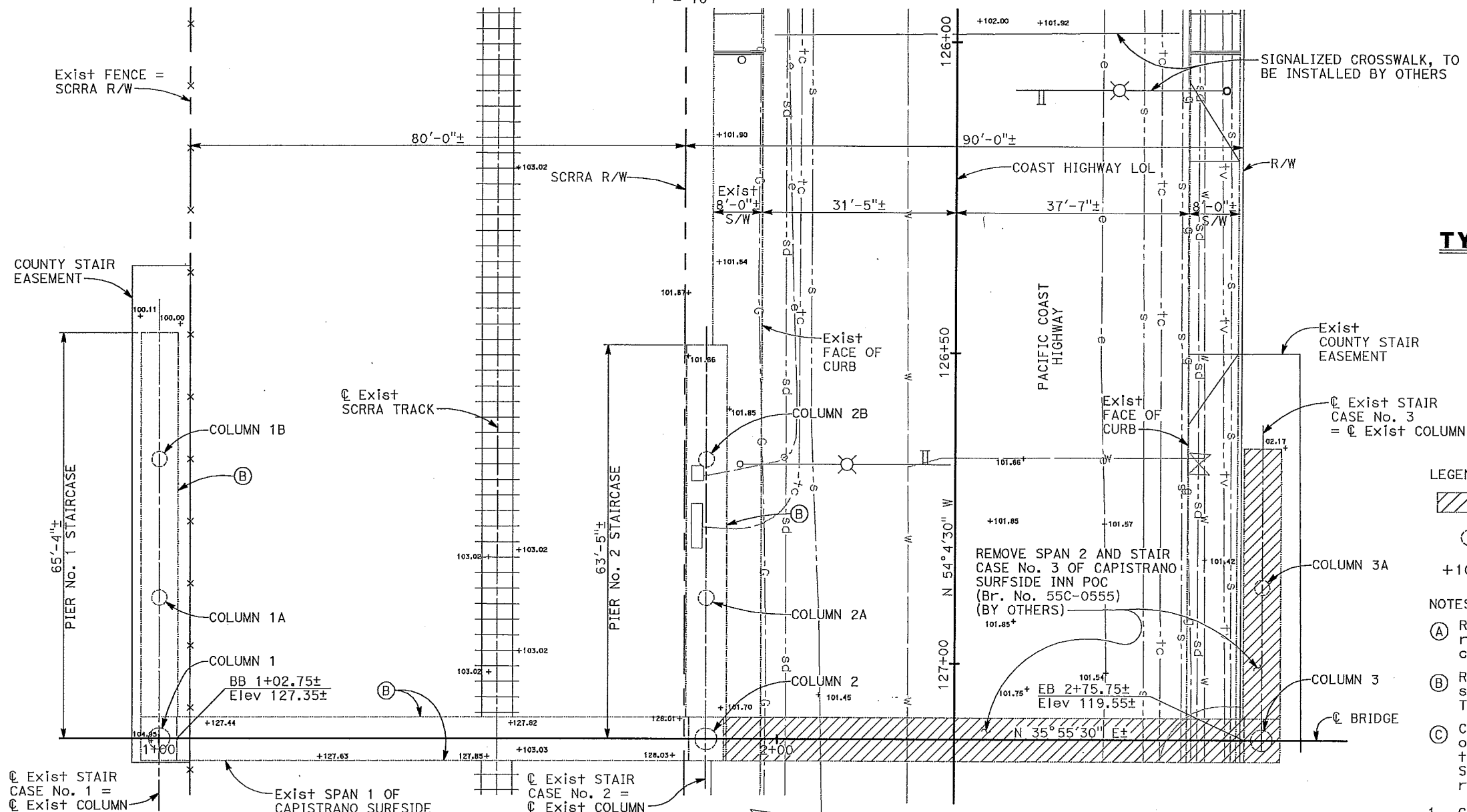
100% DRAFT SUBMITTAL/NOT FOR CONSTRUCTION (06/13/2016)



ELEVATION
1" = 10'



TYPICAL SECTION
1" = 5'



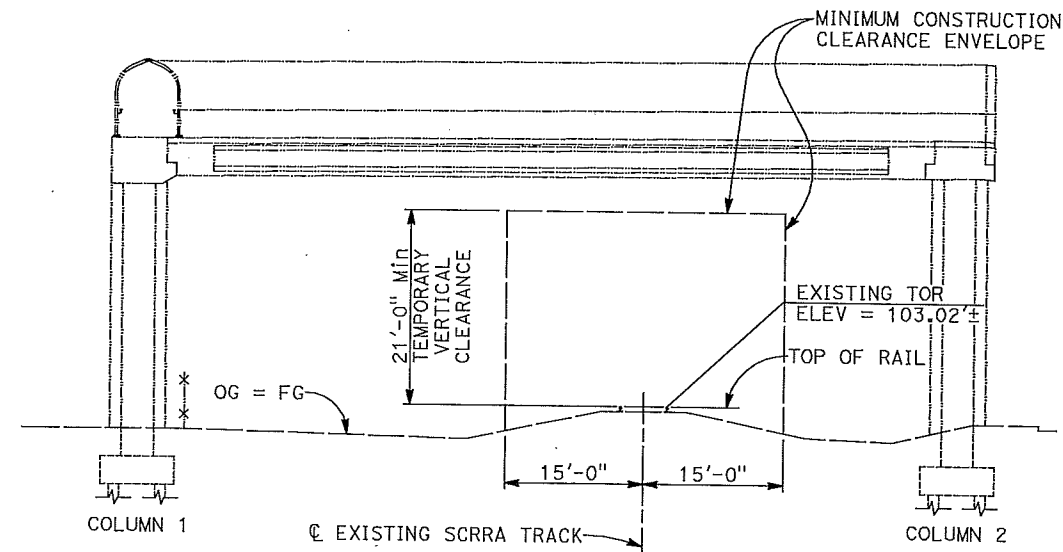
GENERAL NOTES **LOAD & RESISTANCE FACTOR DESIGN**

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition and Caltrans Amendments, preface dated December 2006

CONCRETE: $f_y = 60 \text{ ksi}$
 $f'_c = \text{See "CONCRETE STRENGTH \& TYPE LIMITS"}$

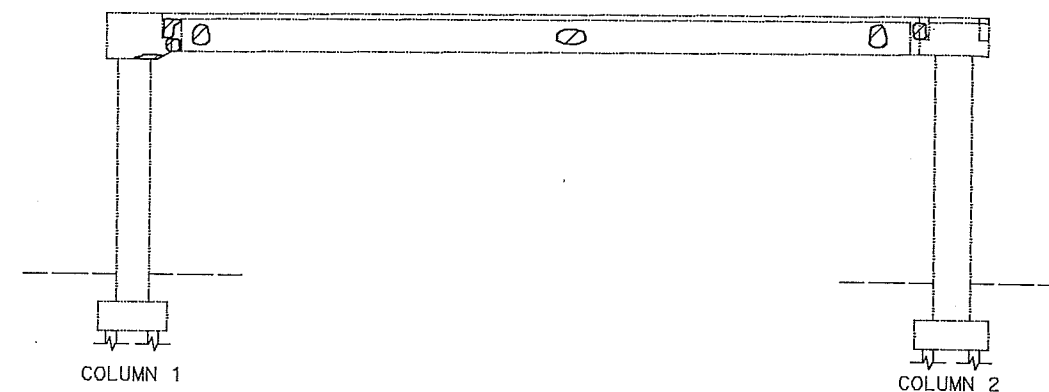
CALTRANS 2016 STANDARD PLANS

A10A ABBREVIATIONS (SHEET 1 OF 2)
A10B 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)



FALSEWORK OPENING AND CLEARANCE DIAGRAM

1" = 10'



EXISTING CONCRETE
PORTLAND CEMENT CONCRETE PATCH ($f'_c = 3600 \text{ psi @ 28 days}$)

CONCRETE STRENGTH AND TYPE LIMITS

1" = 10'

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

RAILROAD CONSTRUCTION NOTES:

- Any shoring system that impacts the railroad's operation and/or supports the railroad's embankment shall be designed and constructed per Railroad Guidelines for temporary shoring.
- All demolition within the railroad's right-of-way and/or demolition that may impact the railroad's tracks or operations shall comply with the railroad's demolition requirements.
- Erection over the railroad's track shall be planned such that it enables the track(s) to remain open to traffic per railroad requirements.
- The elevation of the existing top-of-rail profile shall be verified before beginning construction. All discrepancies shall be brought to the attention of the railroad prior to construction.
- The proposed project shall not change the quantity and/or characteristics of the flow in the railroad ditches and/or drainage structures.
- For railroad coordination, please refer to the railroad's coordination requirements as part of the specifications or special provisions of the project.
- Temporary construction clearances shall comply with the railroad clearance envelope diagram.



DATE	DESCRIPTION	MARK

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER
No. 54676
Exp. 9/30/16
MICHAEL THOMAS, S.E.
BIGGS CARDOZA ASSOCIATES, INC.

DATE

PLANS PREPARED BY: **BIGGS CARDOZA ASSOCIATES, INC.**
STRUCTURAL ENGINEERS
500 S. Main Street, Suite 400
Orange, California 92668
714-850-4665

DESIGNED BY: JPT
DRAWN BY: DM
CHECKED BY: DM
DRAWING CODE: 02668
FILE NAME: **BER**
PLOT DATE:
SCALE: AS SHOWN

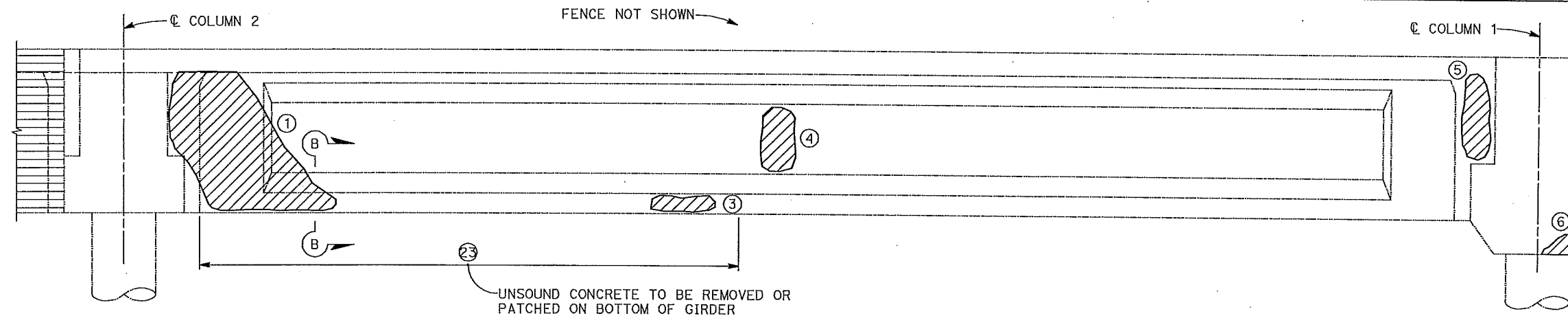
CAPITRANO SURFSIDE INN
PEDESTRIAN OVERCROSSING

GENERAL NOTES

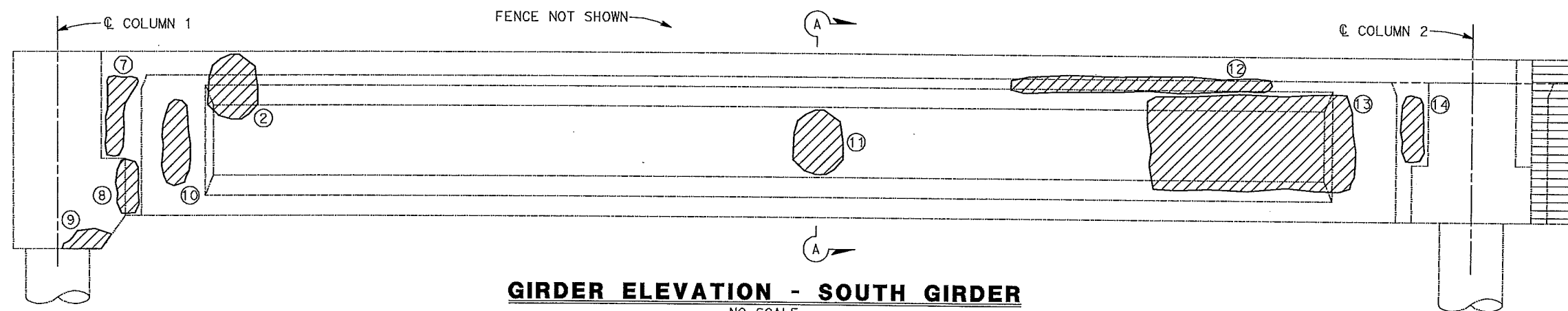
Sheet
Reference
Number

S-2

Sheet 3 of 8

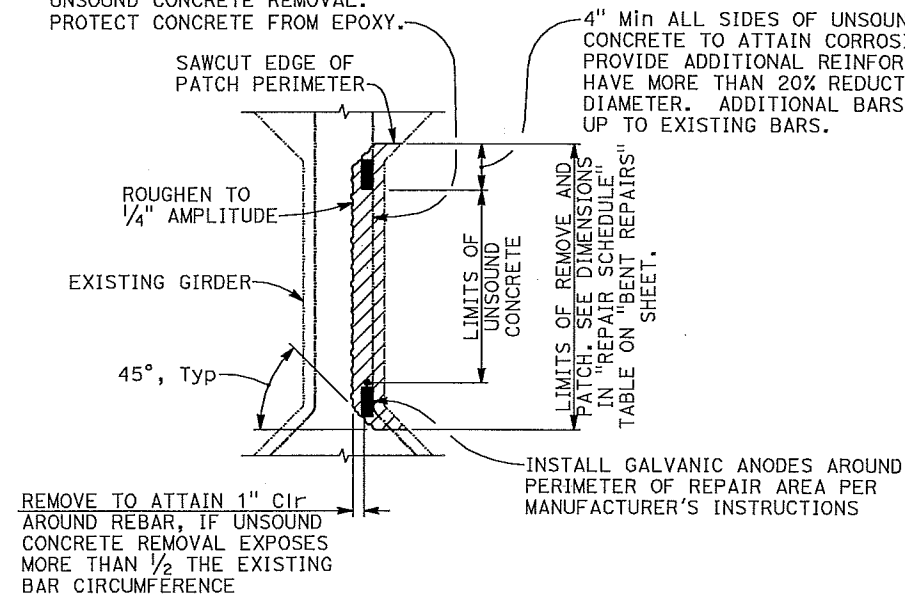


GIRDER ELEVATION - NORTH GIRDER
NO SCALE

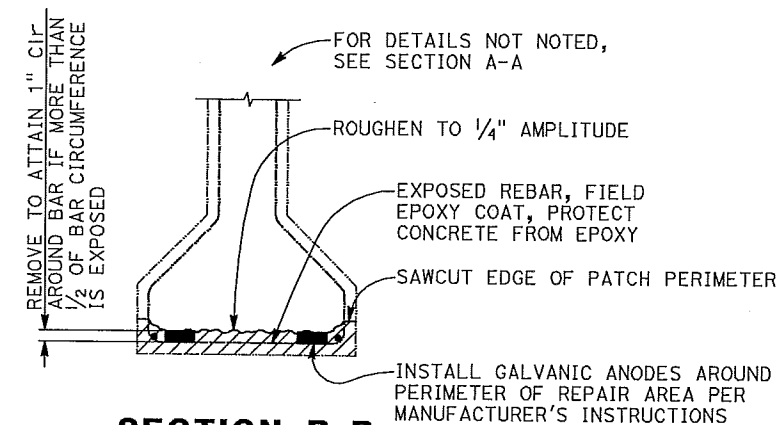


GIRDER ELEVATION - SOUTH GIRDER
NO SCALE

EXISTING REBAR, FIELD EPOXY COAT EXPOSED PORTION AFTER UNSOUND CONCRETE REMOVAL. PROTECT CONCRETE FROM EPOXY.



SECTION A-A REPAIR No. ① SHOWN, OTHERS SIMILAR
1 1/2" = 1'-0"



SECTION B-B
1 1/2" = 1'-0"

NOTES:

1. For "REPAIR SCHEDULE", see "BENT REPAIRS" sheet.
2. Girder repairs shown, column cap repairs similar.

LEGEND:

- Indicates unsound concrete to be removed and patched
- Indicates Bridge Removal (Portion) (by others)

- ④ Indicates Repair ID No. See dimensions in "REPAIR SCHEDULE" table on "BENT REPAIRS" sheet.

UN SOUND CONCRETE NOTES:

The work for remove and patch unsound concrete shall include, but not limited to, the following:

- Contractor shall submit a work plan for remove and patch unsound concrete.
- Construct working platform with removable protective cover.
- Remove unsound concrete to the limits given in the project documents and to the engineers satisfaction.
- Blast clean reinforcing.
- Measure corroded reinforcing to determine if a 20% reduction in cross-section has taken place.
- Install embedded galvanic anodes.
- Apply bonding agent to the patch area.
- Apply Portland Cement Concrete Patch.

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

100% DRAFT SUBMITTAL/NOT FOR CONSTRUCTION (06/14/2016)



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:



DATE
MICHAEL THOMAS, S.E.
BIGGS CARDOBA ASSOCIATES, INC.

DESIGNED BY:
JPT

CHECKED BY:
JPT

DATE:
JPT

FILE NAME:
JPT

SCALE:
AS SHOWN

PLANS PREPARED BY:
BIGGS CARDOBA ASSOCIATES, INC.
STRUCTURAL ENGINEERS
800 S. Main Street, Suite 400
Orange, CA 92668
714-550-4455



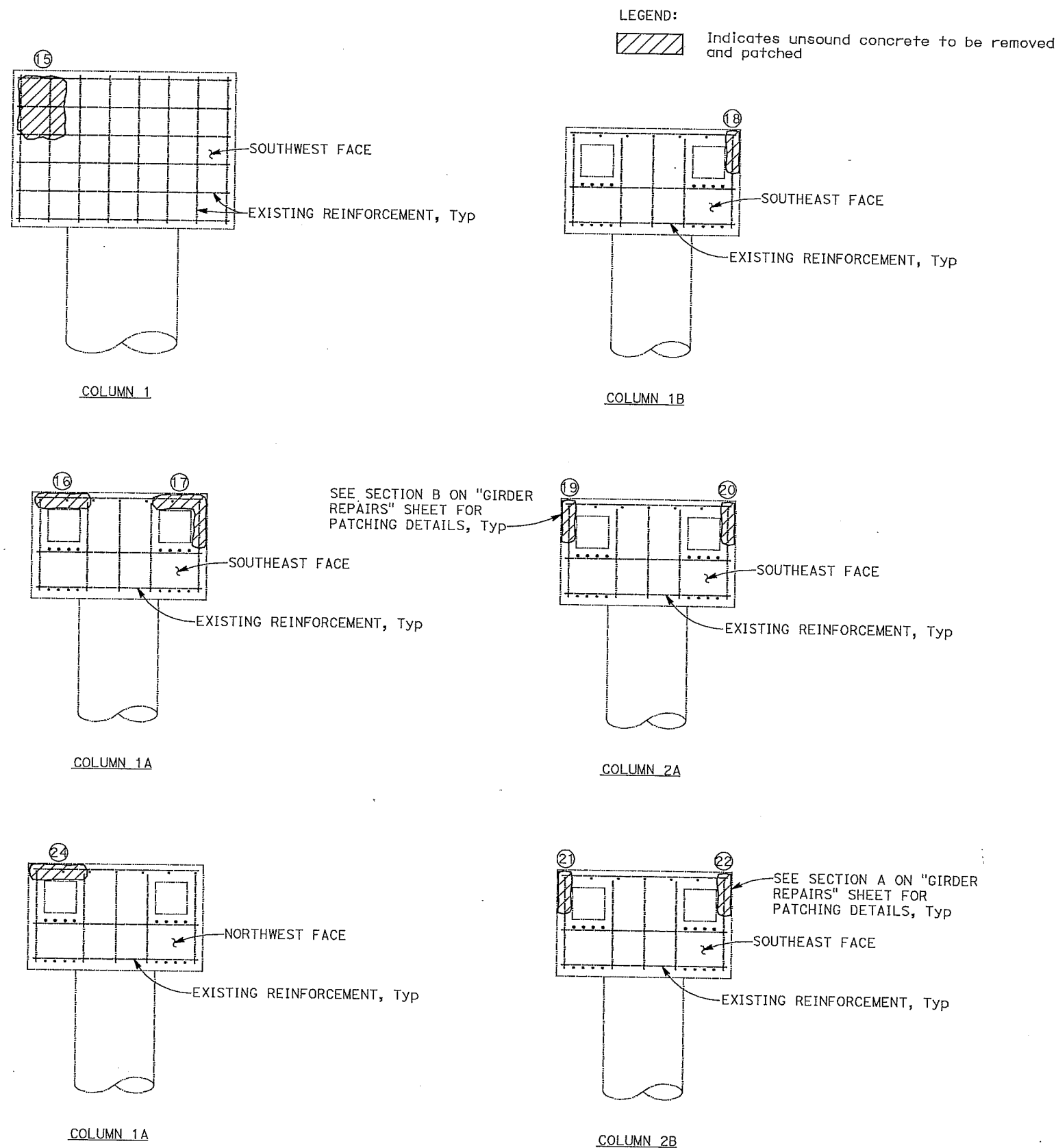
CARSTRAND SUBSIDE IN
PEDESTRIAN OVERCROSSING
GIRDER REPAIRS

Sheet
Reference
Number

S-3

Sheet 4 of 8

2012052 (20120523_AL T2P1)




COLUMN CAP CONCRETE REPAIR 1/2" = 1'-0"

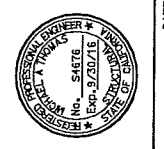
NOTE:
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CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIAL.

REPAIR SCHEDULE		
REPAIR ID No.	UN SOUND CONCRETE DIMENSIONS	APPROX. No. OF GALVANIC ANODES
①	5'-0" X 4'-0" X 0'-3" DEEP	10
②	3'-0" X 2'-0" X 0'-3" DEEP	6
③	4'-0" X 1'-0" X 0'-3" DEEP	3
④	2'-0" X 2'-6" X 0'-3" DEEP	6
⑤	3'-0" X 3'-0" X 0'-3" DEEP	8
⑥	2'-0" X 1'-0" X 0'-4" DEEP	2
⑦	1'-0" X 3'-0" X 0'-3" DEEP	3
⑧	1'-0" X 2'-0" X 0'-3" DEEP	2
⑨	2'-0" X 0'-6" X 0'-4" DEEP	2
⑩	5'-0" X 4'-6" X 0'-3" DEEP	10
⑪	3'-0" X 2'-6" X 0'-3" DEEP	6
⑫	16'-0" X 1'-0" X 0'-3" DEEP	9
⑬	10'-0" X 3'-6" X 0'-3" DEEP	14
⑭	3'-0" X 2'-6" X 0'-3" DEEP	6
⑮	2'-0" X 3'-0" X 0'-4" DEEP	6
⑯	3'-0" X 1'-0" X 0'-4" DEEP	3
⑰	3'-0" X 3'-0" X 0'-4" DEEP	5
⑱	1'-0" X 2'-0" X 0'-4" DEEP	2
⑲	1'-0" X 2'-6" X 0'-4" DEEP	3
⑳	1'-0" X 2'-6" X 0'-4" DEEP	3
㉑	1'-6" X 1'-6" X 0'-4" DEEP	2
㉒	1'-6" X 1'-6" X 0'-4" DEEP	2
㉓	34'-0" X 1'-6" X 0'-3" DEEP *	36
㉔	0'-9" X 1'-0" X 0'-4" DEEP	2

NOMENCLATURE: 1'-0" X 0'-4" X 0'-1" DEEP
VERTICAL DIMENSION
HORIZONTAL DIMENSION
* 34'-0" X 1'-6" X 0'-1" DEEP
PERPENDICULAR TO BRIDGE LONG. AXIS
PARALLEL TO BRIDGE LONG. AXIS



PREPARED UNDER THE RESPONSIBLE CHARGE OF:



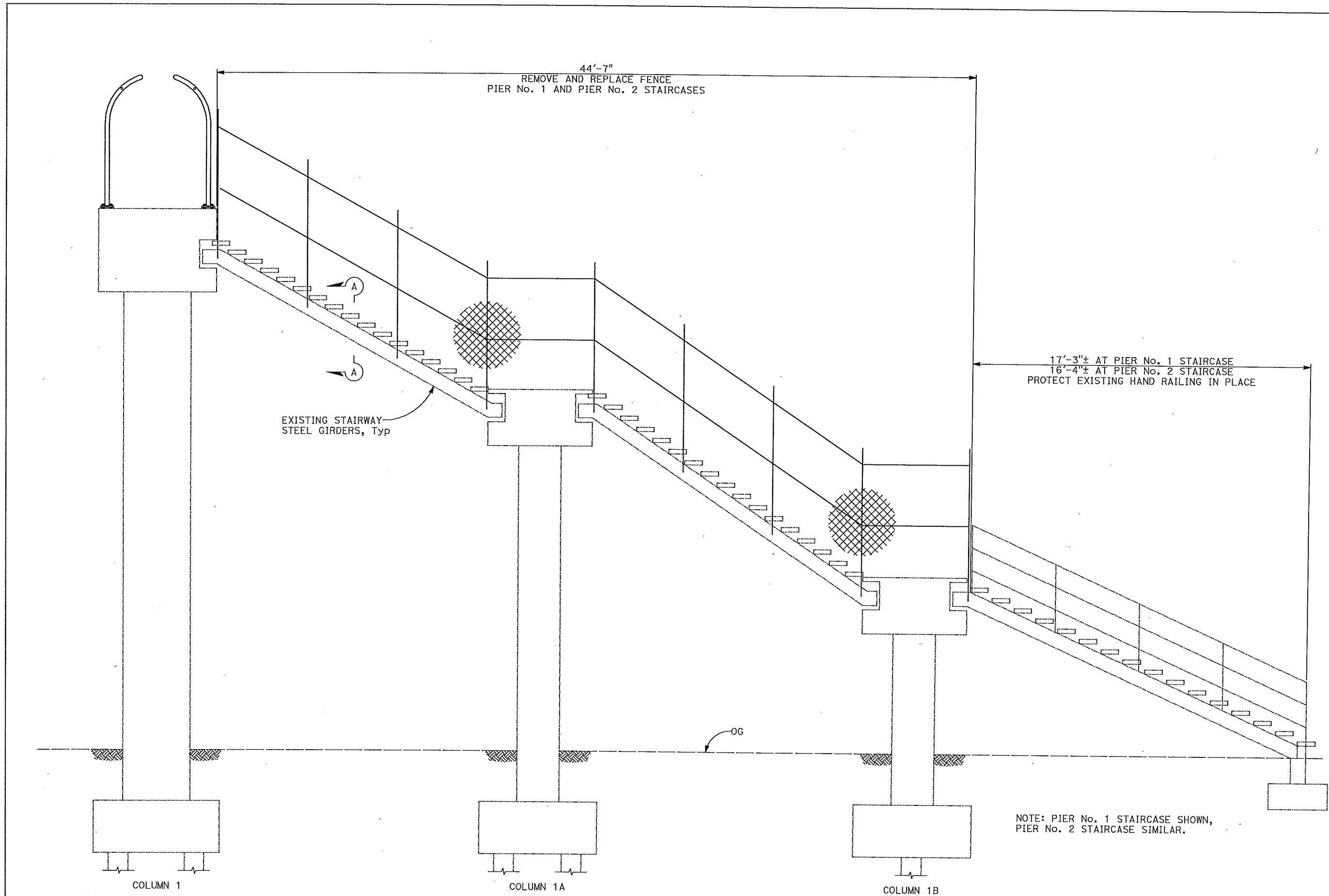
DESIGNED BY: JFM
DRAWN BY: JFM
CHECKED BY: JFM
DATE: 06/14/2016

PLANS PREPARED BY: BIGGB CARDOSA ASSOCIATES INC. STRUCTURAL ENGINEERS
350 S. Main Street, Suite 400
Orange, California 92668
714-550-4466

SCALE: AS SHOWN

CAPISTRANO SURFSIDE INN
PEDESTRIAN OVERCROSSING
BENT REPAIRS

Sheet Reference Number
S-4
Sheet 5 of 8



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

STAIR ELEVATION

100% DRAFT SUBMITTAL/NOT FOR CONSTRUCTION (06/13/2016)



MARK	DESCRIPTION	DATE	APPL.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER
No. 54576
Exp. 3/2021
CIVIL
BIGGS CARDONA ASSOCIATES, INC.

DATE

PLANS PREPARED BY:

BIGGS CARDONA ASSOCIATES INC.
STRUCTURAL ENGINEERS
500 S. Main Street, Suite 400
Orange, California 92668
714-550-4455

DESIGNED BY: JFM

DRAWN BY: DM

CHECKED BY: DM

DRAWING CODE:

FILE NAME:

PLOT DATE:

SCALE: AS SHOWN

CARSTRAND SURFSIDE INN
PEDESTRIAN OVERCROSSING

CHAIN LINK RAILING
DETAILS No. 1

Sheet
Reference
Number

S-5

Sheet 6 of 8

2012052 (20120525S,ALT2P1)



STEP 1

EXISTING STAIRWAY STEEL GIRDER

REMOVE FENCE POST

6 1/4"

10"±

EXISTING PLATE, PROTECT IN PLACE

STEP 2

EXISTING STAIRWAY STEEL GIRDER

PIPE 2 1/2 STD, SEE "CHAIN LINK RAILING TYPE 3 (MOD) (BLACK VINYL CLAD) DETAILS" SHEET

3/16"

1" MAX

SECTION A-A
1-1/2" = 1'-0"



SEE "CHAIN LINK RAILING
TYPE 3L (MOD) (BLACK
VINYL CLAD) DETAILS" SHEET
FOR DETAILS NOT NOTED

2" Max CLR BETWEEN BOLTS AT ALL
LOCATIONS UNLESS OTHERWISE NOTED

EXISTING POST, PLATE, AND
MORTAR PAD TO BE REMOVED

SAW CUT EXISTING U-BOLTS 1" Min
BELOW TOP OF DECK. FIELD EPOXY
COAT EXPOSED PORTION AFTER
UNSOOUND CONCRETE REMOVAL.

TOP OF DECK

ROUGHEN TO 1/4" AMPLITUDE

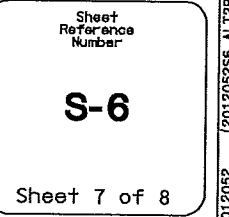
1" MIN

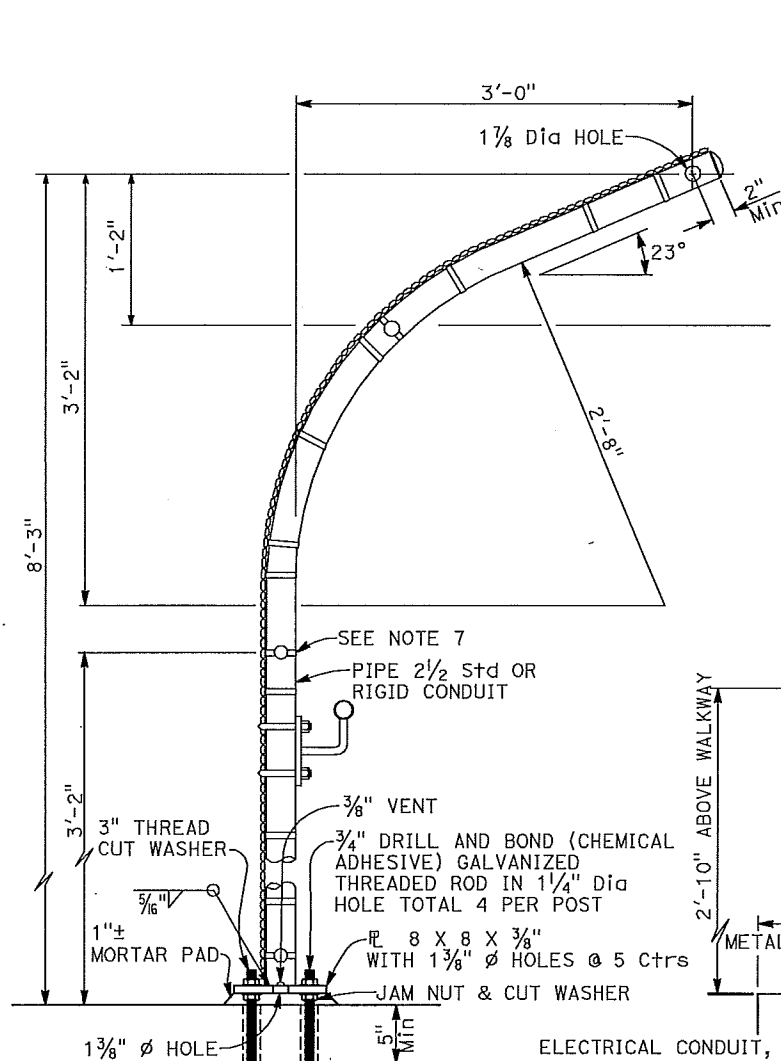
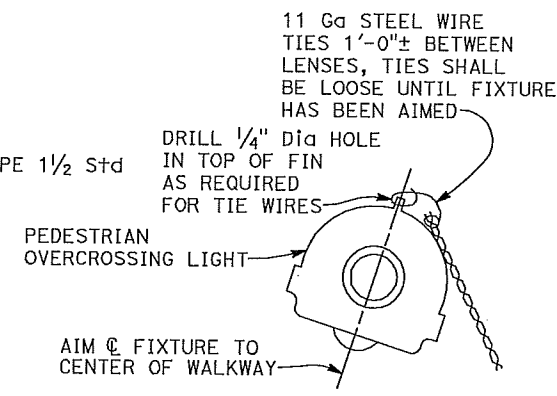
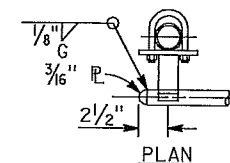
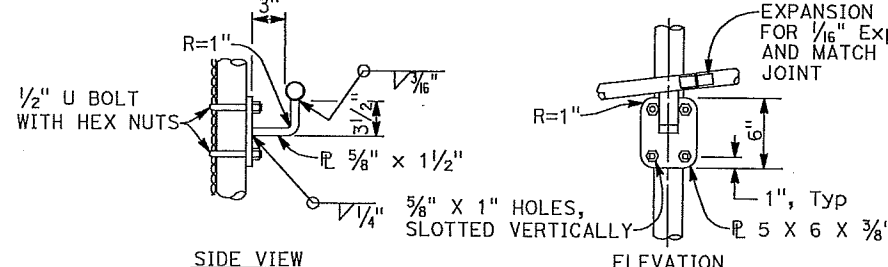
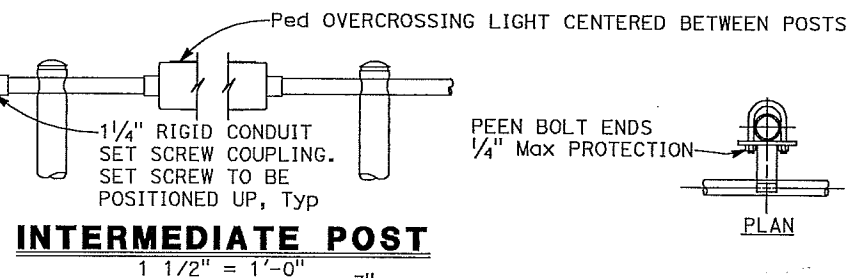
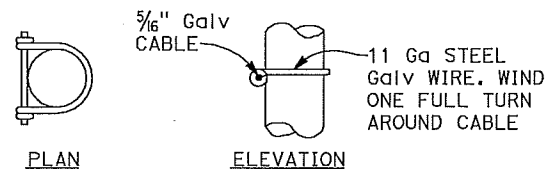
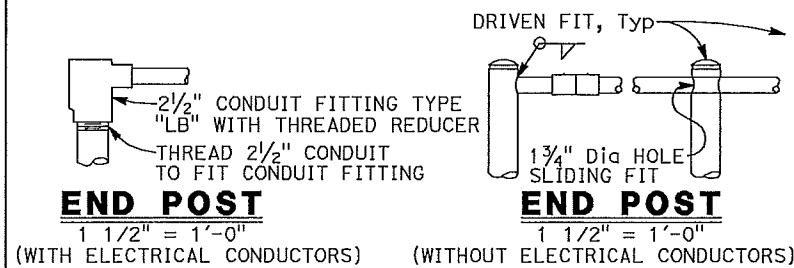
REMOVE AND PATCH UNSOUND CONCRETE

SECTION B-B

1-1/2" = 1'-0"

SECTION B-B
1-1/2" = 1'-0"





ELECTRICAL CONDUIT, COORDINATE ELECTRICAL SERVICE CONNECTION WITH COUNTY

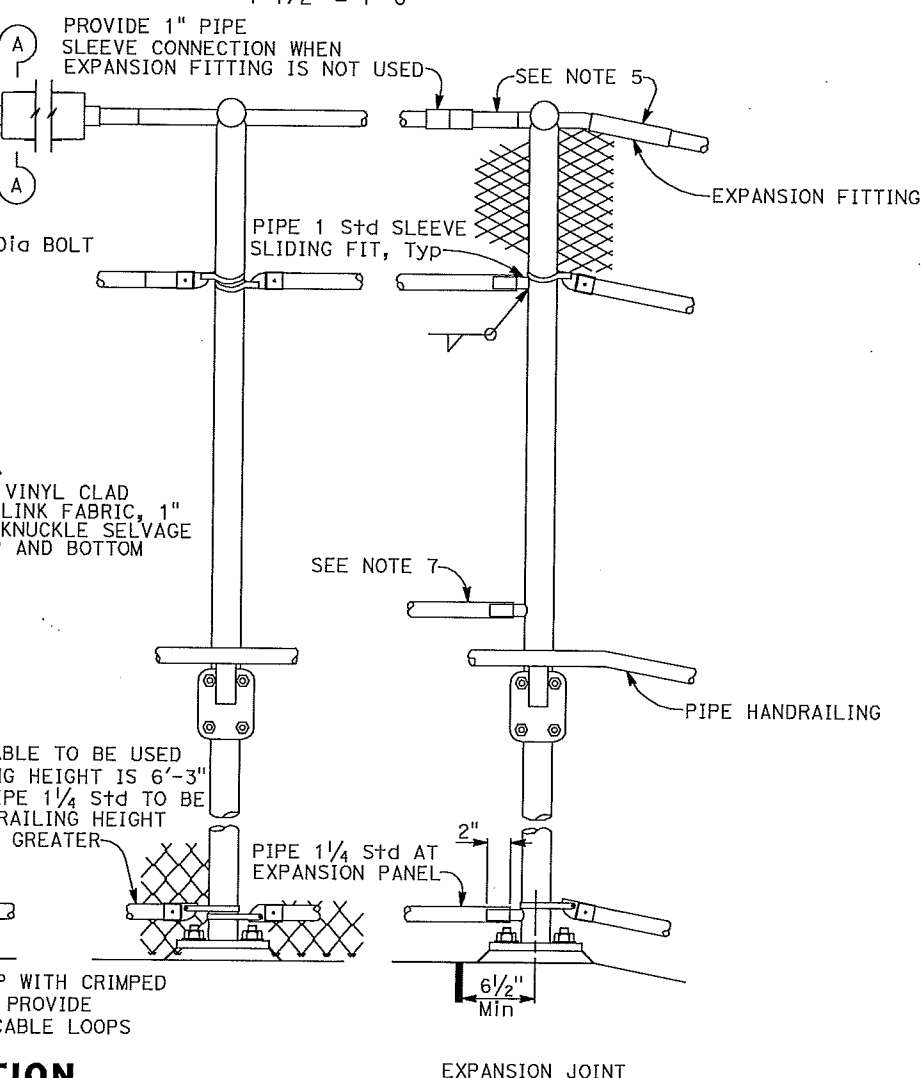
NOTES:

- Railing shall conform to horizontal and vertical alignment. Posts shall be vertical. Horizontal pipes shall be bent if radius is 150'-0" or less. May be an 8'-0" chords if radius is over 150'-0"
- Peen all 3/8" dia bolts

INTERMEDIATE POST

ELEVATION
1 1/2" = 1'-0"

- When railing is on slope, fabric shall be parallel to slope
- Alternative details may be submitted by Contractor or Engineer's approval
- All pipe carrying electrical conductors shall be rigid conduit



EXPANSION JOINT

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

100% DRAFT SUBMITTAL/NOT FOR CONSTRUCTION (06/13/2016)



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER
No. 54676
State of California
BIGGS CARDOBA ASSOCIATES, INC.

DATE:

DESIGNED BY: JFW
CHECKED BY: JFW
DATE:

PLANS PREPARED BY: BIGGS CARDOBA ASSOCIATES, INC.
STRUCTURAL ENGINEERS
500 S. Main Street, Suite 400
Orange, California 92668
714-850-4265

SCALE: AS SHOWN

PLOT DATE:

FILE NAME:

CAPSTRAND SURFIDE INN
PEDESTRIAN OVERCROSSING

CHAIN LINK RAILING TYPE 3L
(MOD) (BLACK VINYL CLAD) DETAILS

Location Map:
Surfside Pedestrian Overcrossing Repair and Maintenance

