





SANTA ANA, CALIFORNIA
SHANE L. SILSBY, DIRECTOR

PLANS FOR
2019 BRIDGE MAINTENANCE PROJECT
SANTIAGO CANYON ROAD OVER
SANTIAGO CREEK BRIDGE NO. 55C0038

FINAL SUBMITTAL

W.O. NO. ER20553

APRIL 10, 2019

FUNDED BY: SENATE BILL (SB-1)
POST-PROJECT OWNERSHIP AND MAINTENANCE RESPONSIBILITY: COUNTY OF ORANGE

PROJECT SITE LOCATION MAP NTS

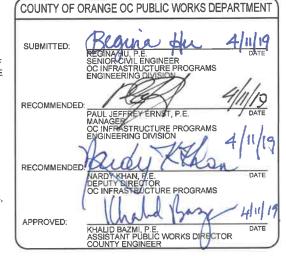
2015 CALTRANS STANDARD PLANS

A3A ABBREVIATIONS (SHEET 1 OF 3)
A3B ABBREVIATIONS (SHEET 2 OF 3)
A3C ABBREVIATIONS (SHEET 3 OF 3)

GENERAL NOTES

ALL NATIVE BIRDS ARE PROTECTED FROM DISTURBANCE WHILST NESTING. AS FAR AS POSSIBLE, CONSTRUCTION ACTIVITIES SHOULD TAKE PLACE OUTSIDE OF THE BIRD NESTING SEASON (FEB 1ST THRU SEP 15TH). HOWEVER, IF OTHER RESTRICTIONS MAKE IT IMPOSSIBLE TO AVOID THE NESTING SEASON, THE REGULATORY PERMITTING TEAM AT OCPW MUST BE CONTACTED TO ARRANGE FOR PRE-CONSTRUCTION NESTING BIRD SURVEYS OF THE CONSTRUCTION AREAS, DISTURBANCE TO ANY ACTIVE NESTS MUST BE AVOIDED. CONSTRUCTION ACTIVITY WITHIN 300 FEET OF AN ACTIVE NEST (500 FEET FOR RAPTORS) SHOULD BE DELAYED UNTIL THE NEST IS NO LONGER ACTIVE, OR OTHERWISE APPROVED BY THE REGULATORY PERMITTING TEAM OR THEIR REPRESENTATIVE.

ANY CRACKS OR CREVICES, VOIDS OR HOLES IN BRIDGES, TREES, BUILDINGS OR OTHER STRUCTURES HAVE THE POTENTIAL TO SUPPORT ROOSTING BATS. THE REGULATORY PERMITTING TEAM MUST BE CONTACTED PRIOR TO THE START OF WORK TO CONDUCT A BAT SURVEY.



RECORD DRAWING

CONTRACTOR:

RESIDENT ENGINEER:

INSPECTOR:

CONSTRUCTION START DATE:

CONSTRUCTION COMPLETION DATE:

PREPARED BY

PREPARED UNDER RESPONSIBLE CHARGE OF:

Moffatt & nicho

4225 E. CONANT ST.

LONG BEACH, CALIFORNIA 90808
TEL 552 424-7489

MAC LAPADAT P.E.

DATE

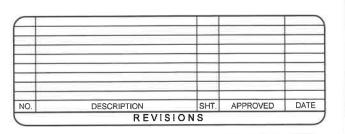
DATE

MOFFATT & NICHOL

INDEX OF SHEETS

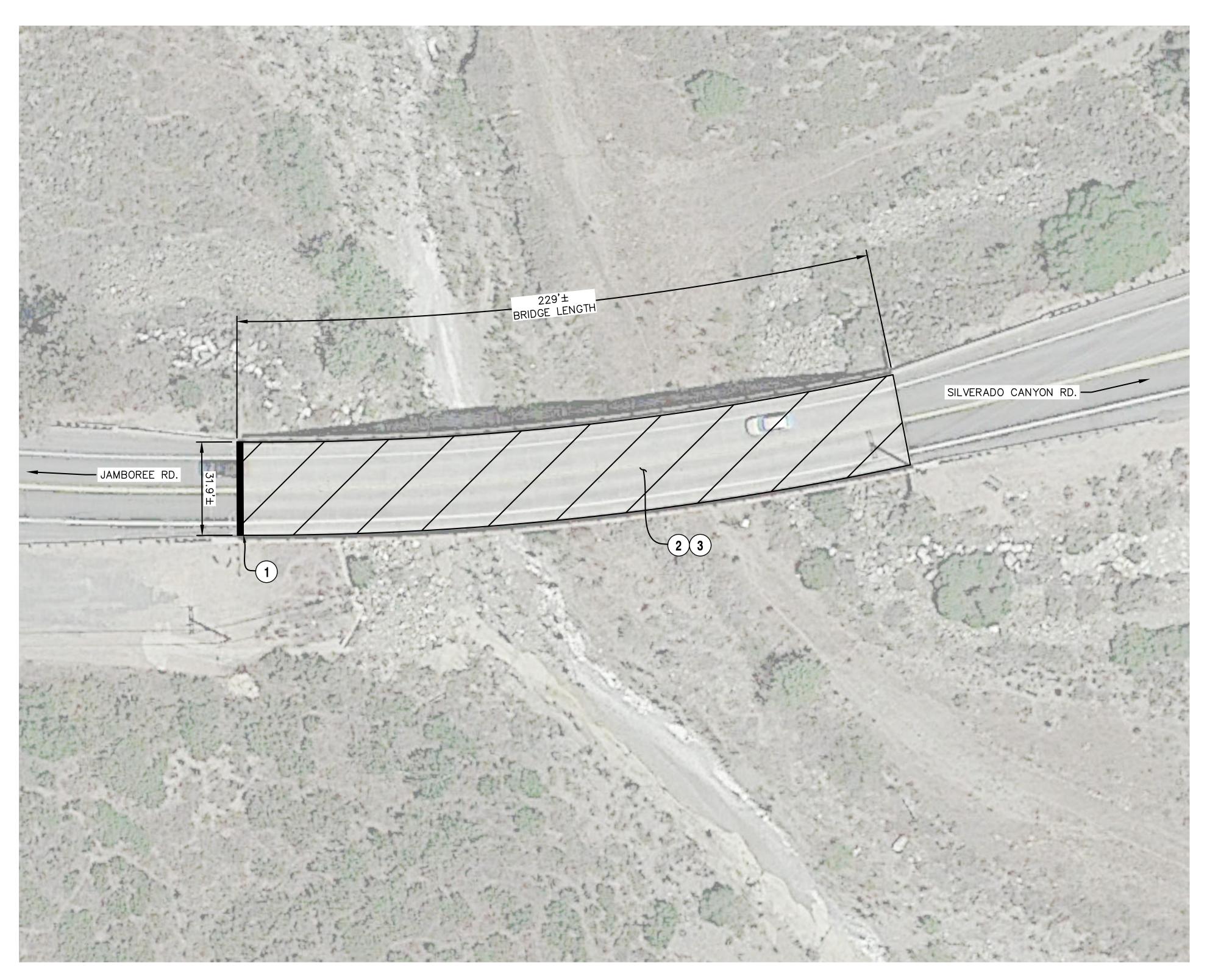
SHEET	REF	DESCRIPTION
1	G-001	55C0038 TITLE SHEET
2	C-001	55C0038 SITE PLAN
3	C-002	55C0038 DETAILS

UTILITY OWNER	CONTACT	PHONE NO.
CHARTER COMMUNICATIONS	DON SIMONS	(714) 591-4871
AT&T DISTRIBUTION	SUSAN BLACKBURN	(714) 507-3526
SOUTHERN CALIFORNIA GAS DISTRIBUTION	HAU TSAN	(213) 231-7132
CITY OF GARDEN GROVE PUBLIC WORKS	ALECIA HOFER	(714) 741-5887
SCG TRANSMISSION	MIKE CAMPISI	(213) 231-6081
SCE	JUST ARTINO	(714) 973-5488



W.O. NO. <u>ER20553</u> DWG. NO. <u>G-001</u>

SHEET 1 OF 3



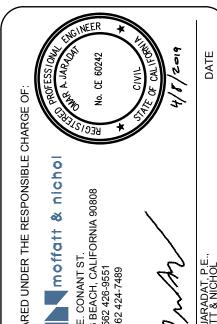
KEY NOTES

- 1 REMOVE EXISTING JOINT SEAL IN ITS ENTIRETY, FURNISH AND INSTALL NEW JOINT SEAL.
- 2 REPAIR SPALLED SURFACE AREA PER CALTRANS STANDARD SPECIFICATIONS 60-3.
- TREAT BRIDGE DECK WITH METHACRYLATE AND STRIPF.

GENERAL NOTES

- 1. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN COMPLYING WITH CURRENT MUTCD REQUIREMENTS AND SIGNED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.
- 2. CONSTRUCTION SHALL BE DONE IN A MINIMUM OF TWO PHASES TO ALLOW FOR TRAFFIC DURING CONSTRUCTION.
- 3. THE CONTRACTOR SHALL ADD MESSAGE BOARDS TWO WEEKS PRIOR TO THE START OF WORK FOR INFORMATIONAL USE AND PUBLIC OUTREACH.
- 4. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.
- 5. PROVIDE TWO PORTABLE CHANGEABLE MESSAGE SIGNS FOR TRAFFIC CONTROL, ONE FOR EASTBOUND TRAFFIC AND THE OTHER FOR WESTBOUND TRAFFIC.
- 6. DUST CONTROL SHALL COMPLY WITH JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-5.
- 7. PROTECT EXISTING FACILITIES PER JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-7.
- 8. EXISTING UTILITIES SHALL COMPLY WITH JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-9.
- 9. EXCEPT WHERE INDICATED OTHERWISE, PROTECT IN PLACE ALL UTILITIES, FACILITIES, AND IMPROVEMENTS.
- 10. ONCE DECK TREATMENT HAS FULLY CURED, STRIPE DECK TO MATCH ALL EXISTING STRIPING SIZE, COLOR, WORDING AND SYMBOLS.

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							APPR.	
							DATE	
							DESCRIPTION	



CHECKED

BY:

OJ

TEL. 562 424-7489

TAX 562 424-7489

rrks SC CHE BY:

SC OJ

DRAWING NO.:

C-001

FILE NAME:

1006509_C-001.dwg

PREPARED BY:

| Moffatt & nich 4225 E. CONANT ST.

55C0038

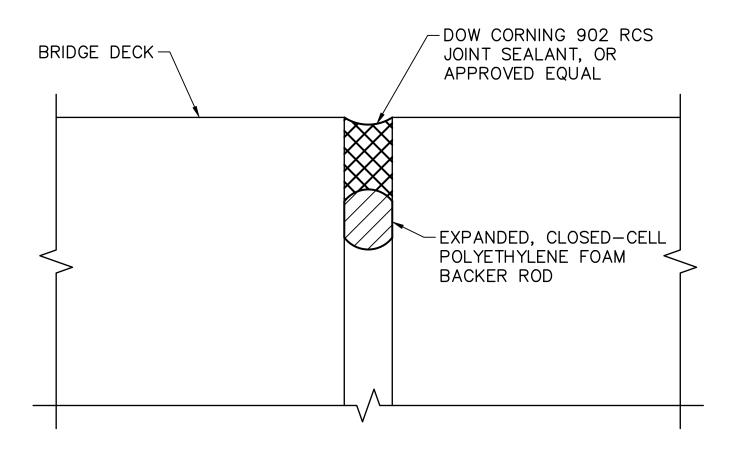
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C-001

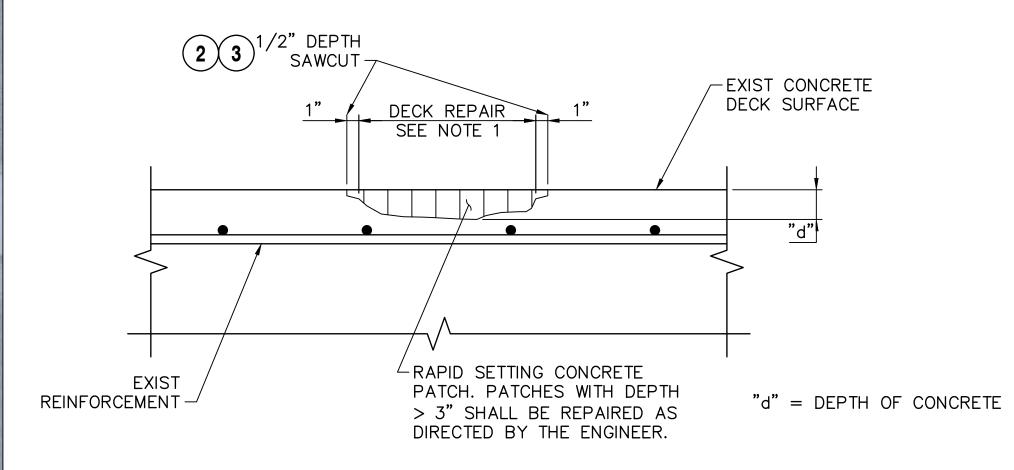
INDEX 2 OF 3

20' 0' 20' 40' SCALE: 1''=20'





B JOINT SEAL DETAIL - SCALE: 3" = 1'-0"



C DECK REPAIR DETAIL

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

KEY NOTES

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JOINT INFORMATION					
LOCATION	MOVEMENT RATING (MR)	SKEW			
ABUT. 1	1 1/2"	28° 44′ 55″±			

JOINT SEAL NOTES

- 1. INSTALL BACKER ROD AND SEALANT PER MANUFACTURERS INSTRUCTIONS.
- 2. BACKER ROD SHALL COMPLY WITH ASTM D5249
- 3. BACKER ROD SHALL HAVE A DIAMETER AT LEAST 25% GREATER THAN THE JOINT WIDTH

DECK REPAIR NOTES

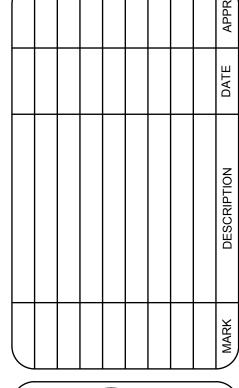
<u>ITEM</u>

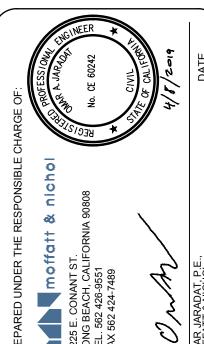
- 1. LOCATION OF UNSOUND CONCRETE TO BE DETERMINED BY THE ENGINEER.
- 2. REINFORCEMENT MAY BE ENCOUNTERED DURING DECK CONCRETE REMOVAL. WHERE EXISTING TRANSVERSE REINFORCEMENT IS EXPOSED IN THE DECK SURFACE, SAWCUTTING WILL BE WAIVED WITH THE APPROVAL OF THE ENGINEER.
- 3. REMOVE UNSOUND CONCRETE AND UNSOUND CONCRETE PATCHES TO EXPOSE SOUND, HARD CONCRETE SUBSTRATE.

QUANTITIES

1	JOINT SEAL	32 LF
2	DECK REPAIR	5 SQ FT
3	BRIDGE DECK TREATMENT	7,000 SQ FT
3	STRIPING	920 LF







| CHECKED | 4225 E. CONANT ST. | LONG BEACH, CALIF | EM. 562 424-7489 | EAX 562 424-7489 | EAX 562 424-7489 | SCALE: | CMARP 1404-000 | EM. 500 |

| Orange | RA | DRAWN | CHECKED | BY: | SC | OJ | DRAWING NO.: | C-002 | FILE NAME: | 1006509_C-002.dwg

County of Orang

County of Orang

Chublic Works

PREPARED BY:

Manufatt & nich

BRIDGE No.
55C0038
DETAILS

SHEET

C-002

INDEX 3 OF 3

6" 0'-0" 3" 6"

SCALE: 3"=1'-0"

QUANTITY