

County of Orange

CPublicWorks

SANTA ANA, CALIFORNIA
SHANE L. SILSBY, DIRECTOR

PLANS FOR
2019 BRIDGE MAINTENANCE PROJECT
ALISO CREEK ROAD OVER ALISO CREEK
BRIDGE NO. 55C0550

FINAL SUBMITTAL

W.O. NO. ER20564

APRIL 10, 2019

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

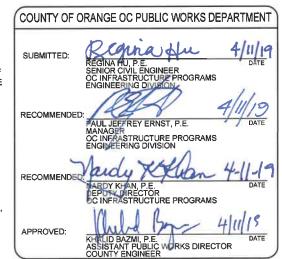
2015 CALTRANS STANDARD PLANS

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 CONSTRUCTION ACTIVITY WITHIN 300 FEET OF AN ACTIVE NEST (500 FEET FOR RAPTORS) SHOULD BE DELAYED UNTIL THE NEST IS NO LONGER ACTIVE, OR OTHERWISE APPROVED BY THE REGULATORY PERMITTING TEAM OR THEIR REPRESENTATIVE.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 BY		
MOFFATT & NICHOL MOFFATT & NICHOL MOFFATT & NICHOL MOFFATT & NICHOL	PROFESSION	

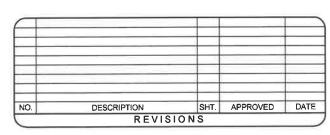
INDEX OF SHEETS

 SHEET
 REF
 DESCRIPTION

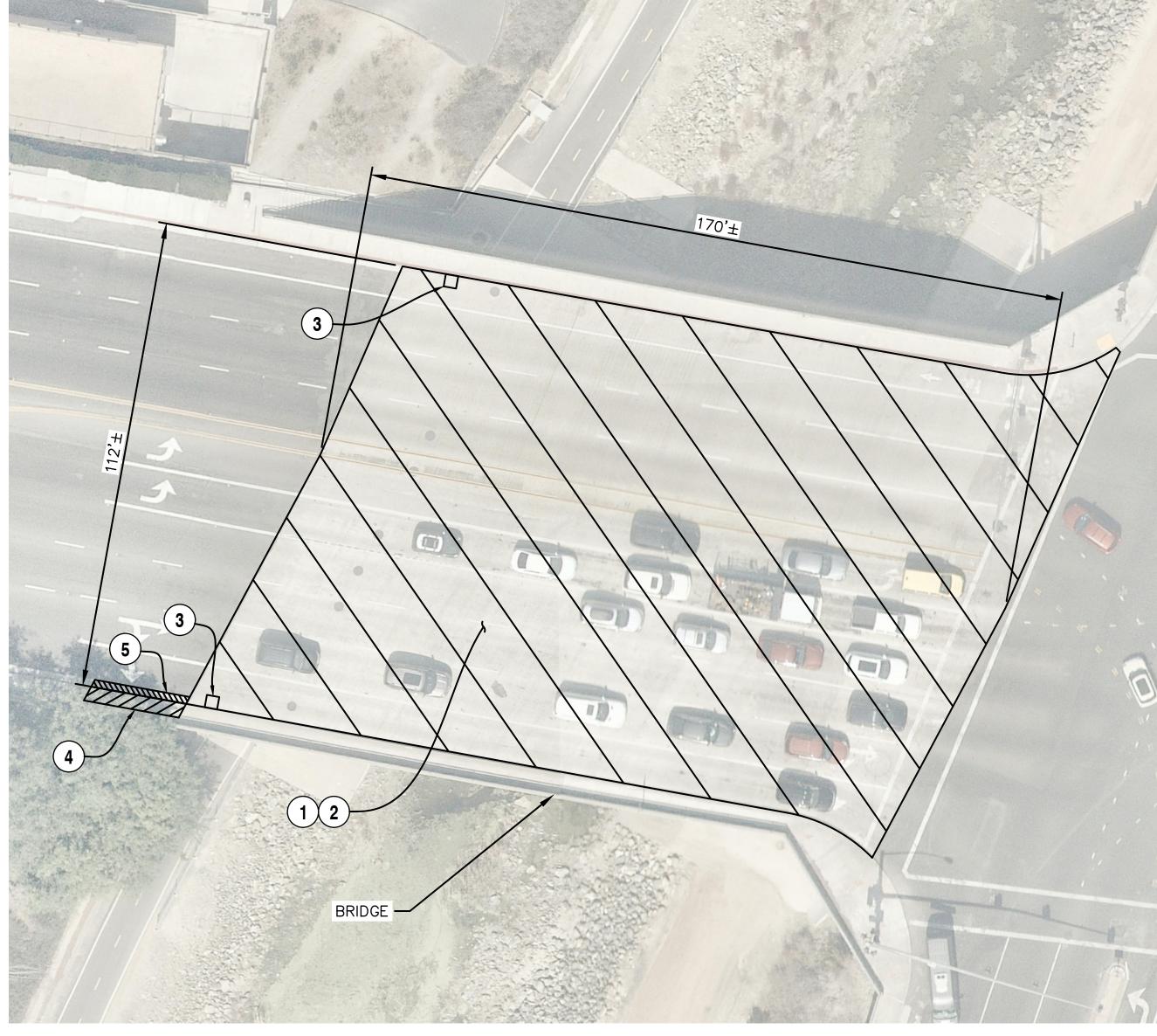
 1
 G-001
 55C0550 TITLE SHEET

 2
 C-001
 55C0550 SITE PLAN

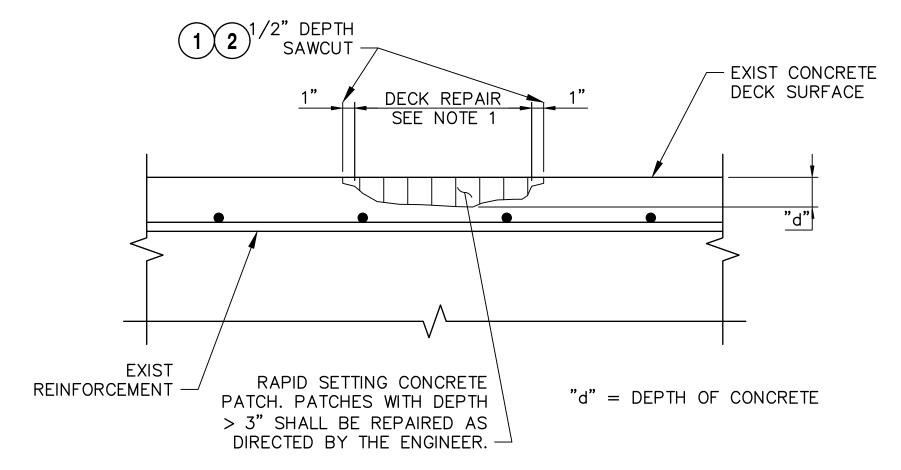
UTILITY OWNER	CONTACT	PHONE NO.
CHARTER COMMUNICATIONS	DON SIMONS	(714) 591-4871
AT&T DISTRIBUTION	SUSAN BLACKBURN	(714) 507-3526
SOUTHERN CALIFORNIA GAS DISTRIBUTION	HAU TSAN	(213) 231-7132
CITY OF GARDEN GROVE PUBLIC WORKS	ALECIA HOFER	(714) 741-5887
SCG TRANSMISSION	MIKE CAMPISI	(213) 231-6081
SCE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



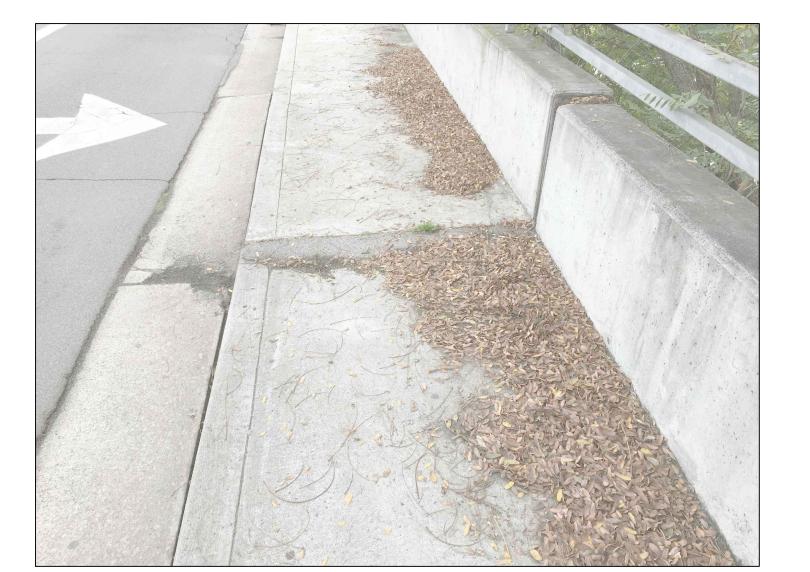
W.O. NO. <u>ER20564</u> DWG. NO. <u>G-001</u> SHEET 1 OF 2











UNEVEN SIDEWALK AND BROKEN CURB

SIDEWALK REPAIR NOTES

REMOVE AND REPLACE THE SIDEWALK PER SPECIFICATION AND OC PUBLIC WORKS STANDARD PLAN 1205. RELATIVE COMPACTION OF NOT LESS THAN 90% SHALL BE OBTAINED FOR THE BASE MATERIAL BEFORE PLACING CONCRETE.

CURB REPLACEMENT NOTES

- 1. SAW CUT AND REMOVE THE EXISTING CURB AND GUTTER 6" FROM THE DAMAGED LOCATION.
- 2. THE CONTRACTOR SHALL CONFIRM NEW CURB AND GUTTER DIMENSIONS MATCH EXISTING CURB AND GUTTER PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL INFORM THE ENGINEER IF DIMENSIONS VARY FROM WHAT IS SHOWN ON THESE DRAWINGS.
- 3. THE CONTRACTOR SHALL FOLLOW CALTRANS STANDARD SPECIFICATION SECTION 73 FOR CONSTRUCTION OF THE NEW CURB AND GUTTER.
- 4. CONSTRUCT SEALED EXPANSION JOINT AT EACH END OF THE NEW CURB AND GUTTER.

DECK REPAIR NOTES

- 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.

KEY NOTES

- REPAIR SPALLED SURFACE AREA PER CALTRANS STANDARD SPECIFICATIONS 60-3.
- TREAT BRIDGE DECK USING METHACRYLATE AND
- CLEAN OUT DECK DRAIN. EACH DECK DRAIN IS APPROXIMATELY 9 FT LONG.
- REPLACE UNEVEN SIDEWALK.
- REPAIR BROKEN CURB.

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.
- UTILIZE BMP'S TO PROTECT RUNOFF OR DRAINAGE INLETS DURING TREATMENT TO PREVENT MATERIAL ENTERING WATERSHED
- 7. DUST CONTROL SHALL COMPLY WITH JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-5.
- 8. PROTECT EXISTING FACILITIES PER JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-7.
- 9. EXISTING UTILITIES SHALL COMPLY WITH JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-9.
- 10. EXCEPT WHERE INDICATED OTHERWISE, PROTECT IN PLACE ALL UTILITIES, FACILITIES, AND IMPROVEMENTS.
- 11. ONCE DECK TREATMENT HAS FULLY CURED, STRIPE DECK TO MATCH ALL EXISTING STRIPING SIZE, COLOR, WORDING AND SYMBOLS.

QUANTITIES

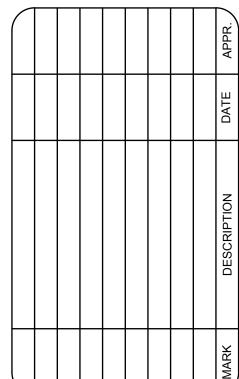
<u> </u>			
<u>ITEM</u>	<u>QUANTITY</u>		
1 DECK REPAIR	5 SQ FT		
2 BRIDGE DECK TREATMENT	21,200 SQ FT		
2 STRIPING (INCLUDING ARROWS AND WORDS)	2,040 LF		
3 CLEAN OUT DECK DRAIN	2 LS		
4 SIDEWALK REPLACEMENT	23 LF		

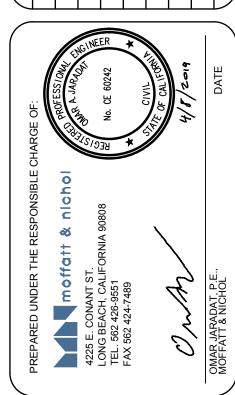
GUTTER REPLACEMENT 23 LF

SCALE: 1"=20

CONCRETE CURB AND

SCALE: $1 \frac{1}{2} = 1' - 0''$





County

55C0550 SITE PLAN

SHEET

C-001

INDEX 2 OF 2