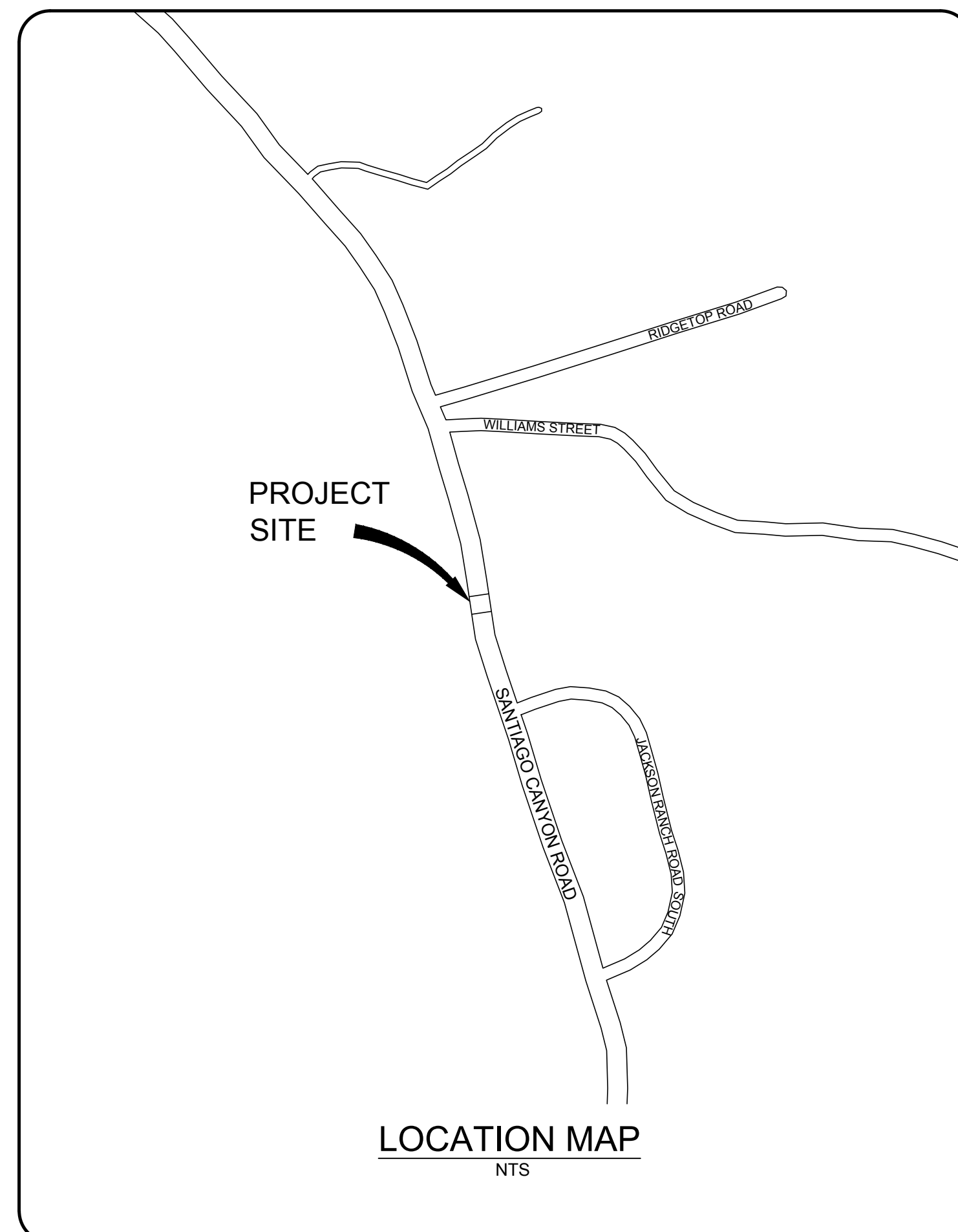
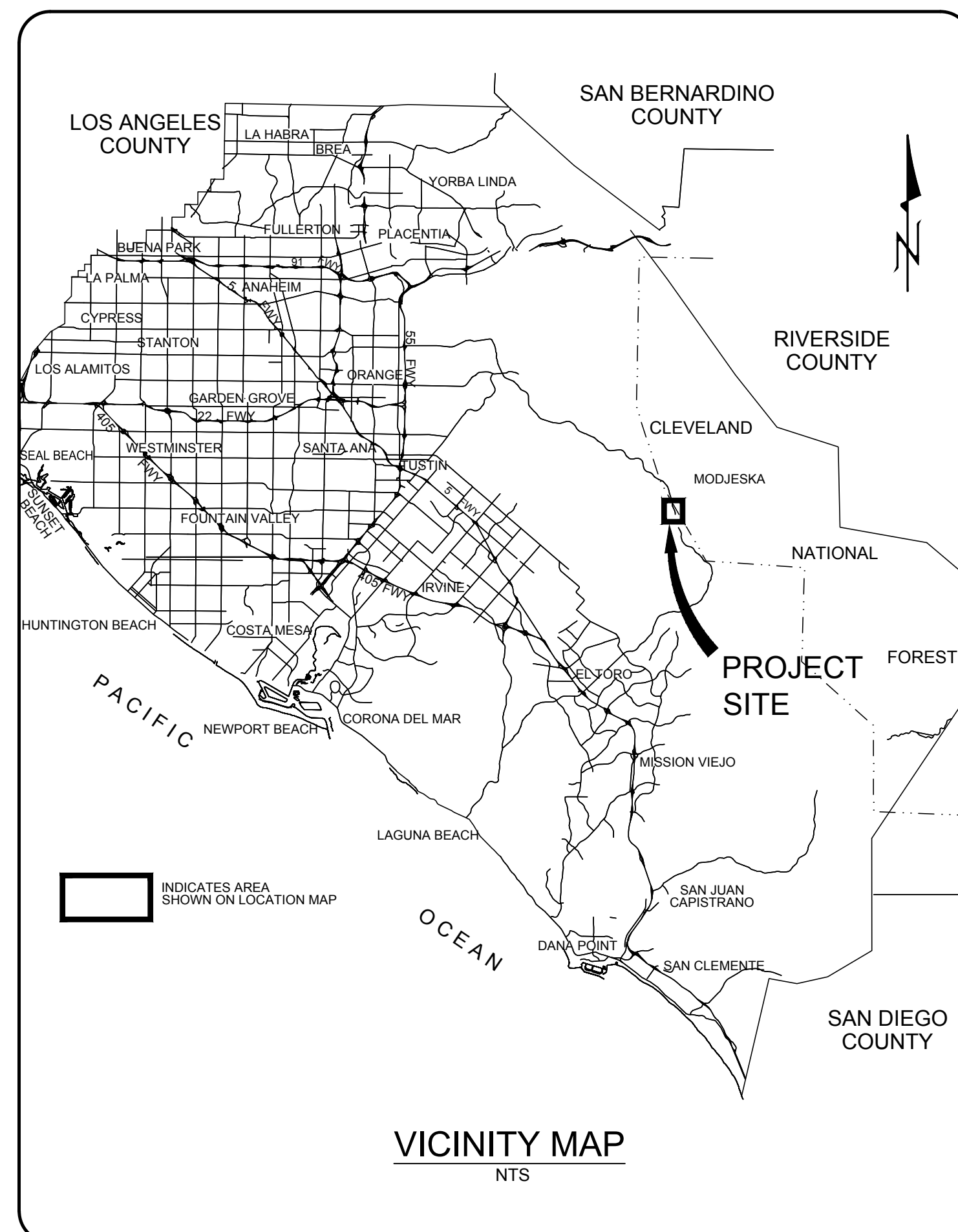
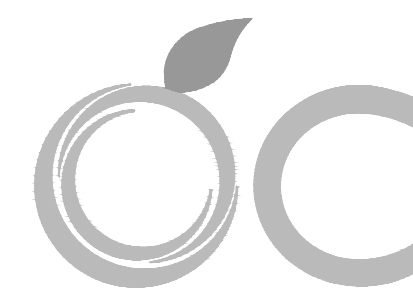




County of Orange



SANTA ANA, CALIFORNIA

SHANE L. SILSBY, DIRECTOR

PLANS FOR 2018 BRIDGE MAINTENANCE PROJECT WILLIAMS CANYON CREEK BRIDGE NO. 55C0059

April 25, 2018
BID SET

INDEX OF SHEETS

SHEET	DESCRIPTION
1	55C0059 TITLE SHEET
2	55C0059 SITE PLAN
3	55C0059 DEFECT DETAILS

FUNDED & MAINTAINED BY: ORANGE COUNTY PUBLIC WORKS

COUNTY OF ORANGE OC PUBLIC WORKS DEPARTMENT

SUBMITTED: _____ DATE _____
REGINA HU, P.E.
SENIOR CIVIL ENGINEER
OC INFRASTRUCTURE PROGRAMS
ENGINEERING DIVISION

RECOMMENDED: _____ DATE _____
 PAUL JEFFREY ERNST, P.E.
 MANAGER
 OC INFRASTRUCTURE PROGRAMS
 ENGINEERING DIVISION

RECOMMENDED: _____ DATE _____
NARDY KHAN, P.E.
DEPUTY DIRECTOR
OC INFRASTRUCTURE PROGRAMS

APPROVED: _____ DATE _____
KHALID BAZMI, P.E.
ASSISTANT PUBLIC WORKS DIRECTOR
COUNTY ENGINEER

RECORD DRAWING

CONTRACTOR: _____
RESIDENT ENGINEER: _____
INSPECTOR: _____
CONSTRUCTION START DATE: _____
CONSTRUCTION COMPLETION DATE: _____

PREPARED BY

PREPARED UNDER RESPONSIBLE CHARGE OF _____



3780 KILROY AIRPORT WAY, SUITE 600
LONG BEACH, CALIFORNIA 90806
TEL. 562 426-9551
FAX 562 424-7489



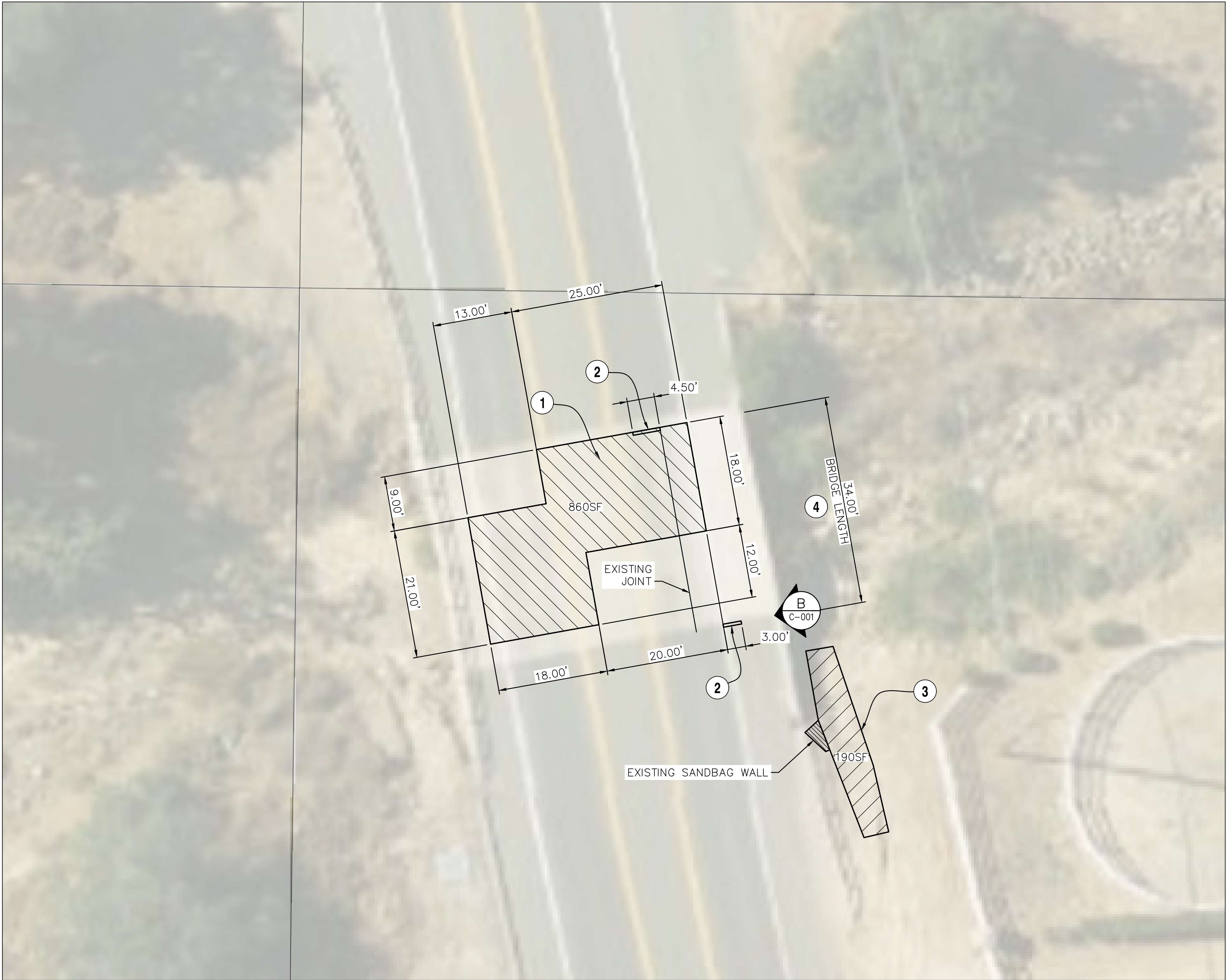
OMAR JARADAT, P.E.
MOFFATT & NICHOL

[illegible]

W.O. NO. ER20542
DWG. NO. G-001

(SHEET 1 OF 3)

File: Q:\LB\9389-06\CADD\Active\SheetSet\55C0059\938906_0059-C-001.dwg; Plotted: 4/25/2018 10:37 AM by CARSON, STEVE; Saved: 4/25/2018 8:57 AM by SCARSON



KEY NOTES

- 1 REPAIR CONCRETE RUTTING
- 2 REPAIR CONCRETE EDGE SPALL
- 3 REPAIR EMBANKMENT EROSION
- 4 RESTRIPE THE FULL LENGTH OF THE BRIDGE

GENERAL NOTES

1. THE CONTRACTOR SHALL RESTRIPE THE BRIDGE PER OC PUBLIC WORKS SPECIAL PROVISIONS SECTION F-39.
2. REFER TO CALTRANS 2015 STANDARD PLAN P6 FOR SPALL REPAIR DETAILS.
3. 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.



B
C-001 TYPICAL EDGE SPALL DAMAGE
SCALE: NONE

10' 0' 10' 20'
SCALE: 1"=10'



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

moffatt & nichol
3780 KILROY AIRPORT WAY, SUITE 600
LONG BEACH, CALIFORNIA 90806
TEL: 562.426.9551
FAX: 562.424.7488

CHARTERED PROFESSIONAL ENGINEER
No. CE 8088
EXPIRATION DATE 12/31/18

DATE: 4/24/18

CHARTERED PROFESSIONAL ENGINEER
CHARTERED PROFESSIONAL ENGINEER
CHARTERED PROFESSIONAL ENGINEER

DESIGNED BY: RA

CHECKED BY: SK

DRAWN BY: SC

DRAWING NO.: C-001

FILE NAME: 938906_0059-C-001.dwg

PLOT DATE: ---

SCALE: AS SHOWN

County of Orange
Public Works

PREPARED BY: **moffatt & nichol**
3780 KILROY AIRPORT WAY, SUITE 600
LONG BEACH, CALIFORNIA 90806
TEL: 562.426.9551
FAX: 562.424.7488

2018 BRIDGE
MAINTENANCE PROJECT
WILLIAMS CANYON CREEK
BRIDGE No.

55C0059
SITE PLAN

SHEET

C-001

INDEX 2 OF 3



1. TO REPAIR CONCRETE RUTTING, REMOVE ALL DETERIORATED CONCRETE, DIRT, OIL, GREASE, AND ANY OTHER BOND-INHIBITING MATERIALS FROM THE AREA TO BE REPAIRED. REPAIR AREA SHALL BE MILLED A MINIMUM OF 1/4" AND MAXIMUM OF 1" TO OBTAIN AN EXPOSED AGGREGATE SURFACE OF CLEAN AND SOUND CONCRETE. USE SIKAGUICK 1000 OR APPROVED EQUAL MORTAR TO REPLACE THE REMOVED CONCRETE.

1. THE CONTRACTOR SHALL FIELD SURVEY EXISTING CONDITIONS PRIOR TO START OF WORK AND TO FIELD SURVEY THE LIMITS OF EXCAVATION.
2. THE CONTRACTOR SHALL PROCURE AND PLACE STONES TO FILL HOLES. STONES SHALL BE PLACED TO MATCH EXISTING SLOPE.
3. THE EXPOSED SURFACE OF THE HOLE SHALL BE THOROUGHLY PREPARED IN CONFORMANCE WITH SPECIFICATIONS. EXCAVATE AND REMOVE LOOSE MATERIAL FOUND IN THE HOLE. EXCAVATE TO UNCOVER THE LOCATION WHERE MATERIAL LOSS IS OCCURRING. EXCAVATION SHALL BE PERFORMED IN THE LONGITUDINAL DIRECTION, FROM UPPER TO LOWER ELEVATION, UNTIL STABLE, SOLID ROCK IS FOUND.
4. STONES OR RIPRAP MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF OCPW STANDARD PLAN 1809 AND 2015 GREENBOOK.
5. CONSTRUCTION OF SLOPE PROTECTION SHALL COMPLY WITH THE REQUIREMENTS OF 2015 CALTRANS STANDARD SPECIFICATION SECTION 72.
6. PRIOR TO SHIPPING, QUARRY MATERIAL SHALL BE INSPECTED BY PERSONNEL FROM THE OCPW MATERIALS TESTING LAB.

<u>ITEM</u>	<u>QUANTITY</u>
CONCRETE RUTTING	860 SF
SPALL REPAIR	7.5 LF
EROSION REPAIR	190 SF
STRIPING	100 LF

