

County of Orange **CPublicWorks**

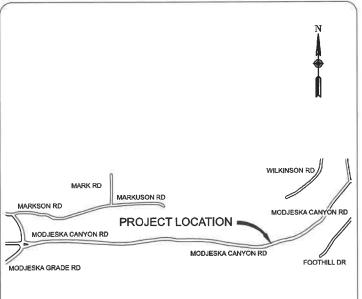
SANTA ANA, CALIFORNIA
SHANE L. SILSBY, DIRECTOR
PLANS FOR CONSTRCTION OF

MODJESKA CANYON ROAD BRIDGE OVER SANTIAGO CREEK BRIDGE PREVENTIVE MAINTENANCE

BRIDGE NO. 55C0173 WORK ORDER NO ER20557

> APRIL, 2019 100% Submittal

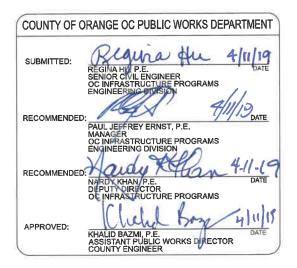
FUNDED BY: SENATE BILL 1 (SB-1)
MAINTAINED BY: COUNTY OF ORANGE



LOCATION MAP

GENERAL NOTES

THE CONTRACTOR SHALL CANTACT DIGALERT AT 1 (800) 422-4133 AT LEAST 2 WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION



RECORD DRAWING CONTRACTOR: RESIDENT ENGINEER: INSPECTOR: CONSTRUCTION START DATE: CONSTRUCTION COMPLETION DATE:

PREPARED BY
DEDOKKEN 110 BLUE RAVINE ROAD, SUITE 200 FOLSOM, CA 95630 TEL. 918 858-0642 FAX 916 858-0643 TOTAL OF THE PROPERTY OF THE PR
FORTUNATO ENRIQUEZ, P.E., DOKKEN ENGINEERING

INDEX OF SHEETS

SHEET DESCRIPTION

1 TITLE SHEET

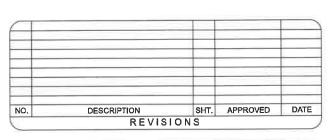
2 GENERAL NOTES

3 SITE PLAN

CALTRANS STANDARD PLANS DATED 2015

Sheet No.	Title
A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND - LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND - LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND - LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND - LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND - LINES AND SYMBOLS (SHEET 5 OF 5)





W.O. NO. _____ER20557 DWG. NO. _____G-001

SHEET 1 OF 3

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS, THE CURRENT GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE COUNTY OF ORANGE STANDARD PLANS, THE COUNTY OF ORANGE SPECIAL PROVISIONS FOR JOB ORDER CONTRACTS, AND THE STANDARD SPECIFICATIONS AND STANDARD PLANS DATED 2015 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, ARE HEREBY MADE PART OF THESE SPECIFICATIONS
- 2. THE CONTRACTOR SHALL CANTACT DIGALERT AT 1 (800) 422-4133 AT LEAST 2 WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION
- 3. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.
- THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN COMPLYING WITH JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-3 OR THE CURRENT MUTCH REQUIREMENTS AND SIGNED BY A CIVIL ENGINEER
- 4. CURRENT MUTCD REQUIREMENTS AND SIGNED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.
- 5. PROVIDE TWO PORTABLE CHANGEABLE MESSAGE SIGNS FOR VEHICLE TRAFFIC CONTROL, ONE FOR NORTHBOUND TRAFFIC AND THE OTHER FOR SOUTHBOUND TRAFFIC
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS ON THE JOB SITE.
- 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. PROTECT EXISTING UTILITIES PER JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-9
- 10. EXCEPT INDICATE OTHERWISE, PROTECT IN PLACE ALL EXISTING UTILITIES, FACILITIES, AND IMPROVEMENTS
- 11. PRIOR TO THE ONSET OF CONSTRUCTION ACTIVITIES, CONTACT CANYON RESIDENT JOANNE HUBBLE ighubble@occoxmail.com.

EROSION AND SEDIMENT CONTROL

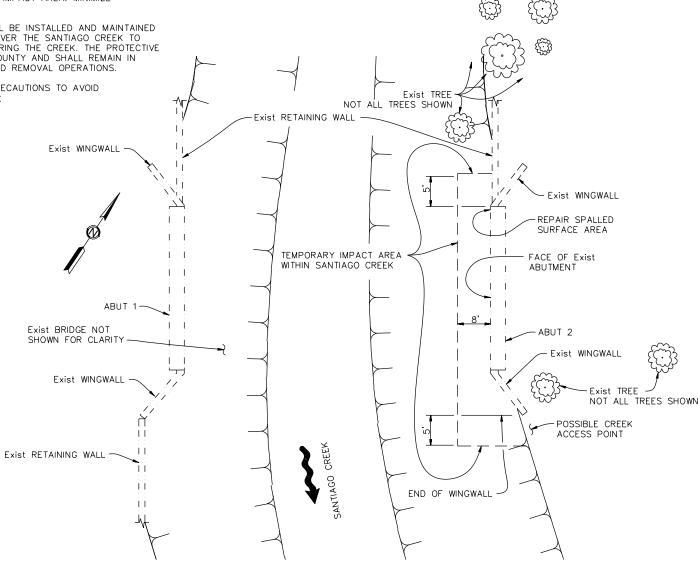
- BRIDGE CONSTRUCTION ACTIVITIES SHALL OCCUR DURING LOW OR NO FLOW IN SANTIAGO CREFK
- PERPARE A EROSION, SEDIMENT, AND CHEMICAL CONTROL PLAN (ESCCP) PER THE COUNTY OF ORANGE SPECIAL PROVISIONS FOR JOB ORDER CONTRACTS SECTION F-4.
- 3. A COPY OF THE ESCCP SHALL BE KEPT AT THE PROJECT SITE AT ALL TIMES.
- 4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS SPECIFIED IN THE ESCCP AND/OR AS DIRECTED BY COUNTY INSPECTOR
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH THE ESCCP.
- 6. THE CONTRACTOR SHALL ESTABLISH A SPECIFIC SITE WITHIN THE PROJECT SITE FOR MAINTENANCE AND STORAGE OF EQUIPMENT OR ANY OTHER ACTIVITIES THAT MAY ADVERSELY CONTRIBUTE TO THE WATER QUALITY OF THE RUNOFF IN ACCORDANCE WITH THE ESCCP

DURING CONSTRUCTION

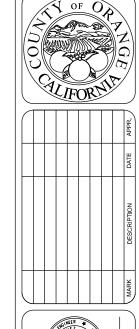
- CONSTRUCTION ACTIVITY IS LIMITED TO BETWEEN 7 A.M. AND 7 P.M. MONDAY THROUGH FRIDAY, AND BETWEEN 8 A.M. AND 6 P.M. ON SATURDAY. NO WORK IS PERMITTED ON SUNDAY.
- 2. ALL NATIVE BIRDS ARE PROTECTED FROM DISTURBANCE WHILST NESTING. AS FAR AS POSSIBLE, CONSTRUCTION ACTIVITIES SHOULD TAKE PLACE OUTSIDE OF THE BIRD NESTING SEASON (FEBRUARY 1ST THROUGH SEPTEMBER 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.
- 3. 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.
- 4. STREAM BED ALTERATIONS ARE NOT PERMITTED.
- 5. MOTORIZED EQUIPMENT OR VEHICLES ARE NOT PERMITTED TO ENTER SANTIAGO CREEK.
- 6. SANTIAGO CREEK MAY NOT BE ACCESSED FROM THE WEST. CONSTRUCTION ACTIVITIES THAT TEMPORARILY IMPACT SANTIAGO CREEK WILL BE LIMITED TO THE TEMPORARY IMPACT AREA. DO NOT ALLOW CONSTRUCTION EQUIPMENT OR FOOT TRAFFIC OUTSIDE OF THE TEMPORARY IMPACT AREA. MINIMIZE TEMPORARY IMPACTS TO SANTIAGO CREEK.
- 7. PROTECTIVE COVERINGS OR DROP CLOTHS SHALL BE INSTALLED AND MAINTAINED DURING REMOVAL AND CLEANING OPERATIONS OVER THE SANTIAGO CREEK TO PREVENT WATER, DIRT, AND DEBRIS FROM ENTERING THE CREEK. THE PROTECTIVE COVERINGS SHALL BE AS APPROVED BY THE COUNTY AND SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF CLEANING AND REMOVAL OPERATIONS.
- 8. THE CONTRACTOR MUST TAKE ALL POSSIBLE PRECAUTIONS TO AVOID CONTAMINATION/POLLUTION OF SANTIAGO CREEK

AIR POLLUTION CONTROL

- 1. LIMIT ON-SITE VEHICLE SPEEDS TO 15 M.P.H.
- 2. SUSPEND CLEARING, GRADING, EXCAVATION AND EARTH MOVING WHEN WIND EXCEEDS 20 M.P.H. CONTINUOUSLY FOR MORE THAN 1 HOUR IF DUST IMPACTS ARE OCCURRING OFF-SITE.
- 3. APPLY WATER OR DUST PALLIATIVES ON ALL EXPOSED SURFACES AS NECESSARY TO CONTROL DUST.
- 4. NO OPEN BURNING SHALL OCCUR
- 5. MINIMIZE EQUIPMENT IDLING TIME TO 10 MINUTES.
- 6 USE LOW EMISSION ON-SITE STATIONARY FOUIPMENT.



PLAN





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D-WANN DANNER W.O. NO

DRAWNING NUMBER: W.O. NO

ER20557

FILE NAME:

SUITE 200

PLOT DATE: SCALE:

County of Ora

CC Public Wor

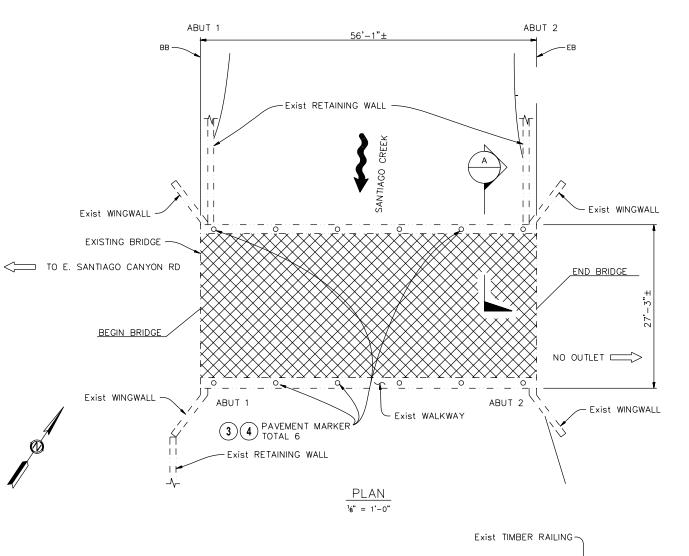
PREPARED BY:

Manage DOKKEN

TO BLUE RAWNE ROAD: SUITE ZE

TO BLUE

MODJESKA CANYON ROAD BRIDGE SANTIAGO CREEK PROJECT Br# 55C0173 GENERAL NOTES





1. FOR GENERAL NOTES, SEE "GENERAL NOTES" SHEET C-001.

KEY NOTES

- PAY LIMITS FOR REMOVING UNSOUND CONCRETE PER 2015 CALTRANS STANDARD SPECIFICATION 60-3.02C(5).
- PAY LIMITS FOR REPAIR SPALLED SURFACE AREA PER 2015 CALTRANS STANDARD SPECIFICATIONS 60-3.05.
- REMOVE PAVEMENT MARKER PER JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-38.
- PLACE RAISED PAVEMENT MARKER PER JOB ORDER CONTRACT SPECIAL PROVISION SECTION F-40.



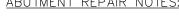
24'-0"± TREAT BRIDGE DECK METHACRYLATE Exist TIMBER RAILING — ─ Exist WALKWAY Exist STEEL GIRDERS, Typ TYPICAL SECTION

> (1)(2) 1/2" DEPTH SAW CUT Exist ABUTMENT -FACE SEE NOTE Exist REINFORCEMENT REPAIR SPALLED SURFACE AREA.

> > SECTION B-B "d" = DEPTH OF CONCRETE REMOVAL

ABUTMENT REPAIR NOTES:

- 1. LIMITS OF UNSOUND CONCRETE TO BE DETERMINED BY THE ENGINEER.
- REINFORCEMENT MAY BE ENCOUNTERED DURING UNSOUND CONCRETE REMOVAL. WHERE EXISTING REINFORCEMENT IS EXPOSED IN THE ABUTMENT FACE, SAWCUTTING WILL BE WAIVED WITH THE APPROVAL OF THE
- REMOVE UNSOUND CONCRETE AND UNSOUND CONCRETE PATCHES TO EXPOSE SOUND, HARD, CONCRETE SUBSTRATE.
- REMOVE CONCRETE BEHIND EXPOSED BAR 1" MIN TO 2" MAX
- SAND BLAST SPALL AND REINFORCEMENT TO REMOVE CORROSION AND LOOSE MATERIAL. PROTECT SANTIAGO CREEK FROM DEBRIS.
- PRIME ALL REPAIR AREAS TO WITH MASTEREMACO P124 OR EQUIVALENT.
- 7. PLACE MASTEREMACO 440S OR EQUIVALENT.



LEGEND

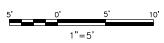
-Exist SPALLED CONCRETE

DENOTES PREPARE CONCRETE DECK SURFACE PAY LIMITS PER 2015 CALTRANS STANDARD SPECIFICATIONS 60-3.02

DENOTES TREAT BRIDGE DECK (METHACRYLATE) PAY LIMITS PER 2015 CALTRANS STD SPECIFICATIONS 60-3.03

DENOTES REPAIR SPALLED SURFACE AREA PAY LIMITS PER 2015 CALTRANS STANDARD SPECIFICATIONS 60-3.05B.

DENOTES REPAIR SPALLED SURFACE AREA PAY LIMITS PER 2015 CALTRANS STANDARD SPECIFICATIONS 60-3.05B.



DOKKEN

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County of C

SHEET

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PREPARED BY:

DEDOKKEN

10 BULE RANGE ROAD, SUITE 7

FOLSOM, CASSESSOR

