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Construction activities for the Mosquito Bridge Preventative Maintenance Project performed by the Transportation Division's Bridge Maintenance Crew ("TD"), shall conform to the following sequence:

- A. TD shall verify that all materials have been received, are the correct quantities, and meet the specifications given in the Invitation to Bid.
- B. No work shall begin at the project site until Mosquito Road has been closed to all public traffic, and the appropriate authorities (Fire, Sheriff, etc.) have been notified.
- C. The first item of work is to deliver the 'plank float' platform to the project site. The materials shall be safely lowered from the north abutment area to the large rock area on the downstream side of the bridge. TD shall assemble the platform components per the manufacturer's specifications and properly suspend from each of the bridge's longitudinal support cables. A qualified representative from the platform manufacturer shall be on-site to oversee the complete assembly and installation operation.
- D. Once the platform is in-place, work shall begin at the north abutment and approach roadway. The deck runners and boards shall be removed from the northernmost bay. The north end of the bridge shall be jacked at each truss, not greater than 1/4" and supported on temporary falsework. The falsework shall remain in place to support each truss during the abutment work. A portion of the asphalt concrete approach shall be removed for a length suitable to complete the abutment work. The northernmost bay of floor stringers and north abutment "block beam" shall be removed, along with any loose debris from behind the beam. The existing concrete abutment seat/wall shall be cleaned and #4 bars drilled and epoxied into the center of the top of the wall. The dowels shall extend a minimum of 18" into the existing concrete abutment wall. The wall shall be formed and concrete shall be placed as to extend the wall height to the bottom of the floor stringers. A 2-inch cover of concrete shall be maintained at the top of each dowel bar. After 2500 psi compression strength is reached, new floor stringers may be installed and set on the new concrete wall. The temporary falsework may be removed at this time. The approach asphalt concrete roadway may be placed to the edge of the bridge deck.

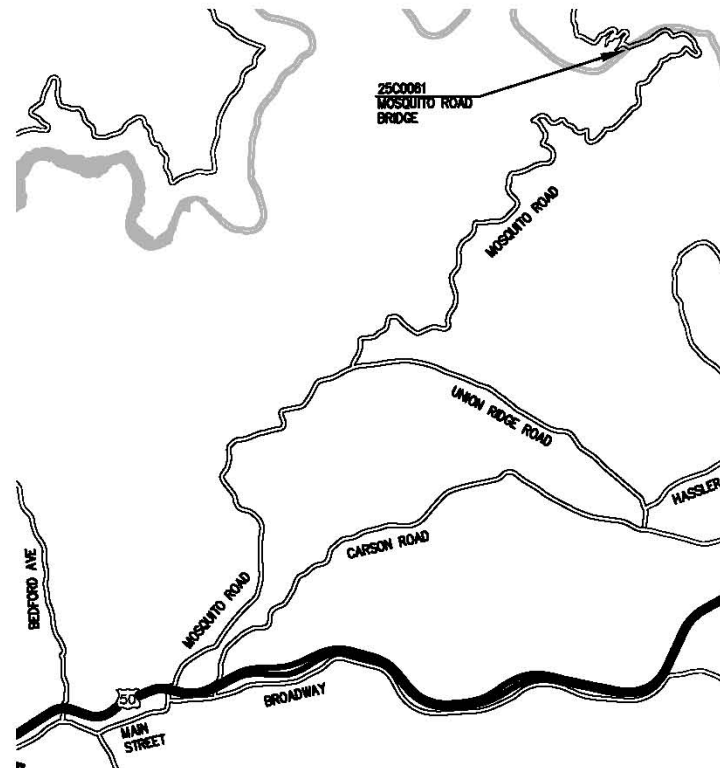
- E. Starting from the north end of the bridge, replacement of timber members and steel hardware shall occur. Work shall be completed, to the extent most practical, within the limits of each 10-foot bay (defined as the span between floor beams). Timber replacement shall be limited to approximately (10) top and bottom truss chords, (6) floor beams, and (60) tire runners. At no time shall the critical structural load-carrying components (i.e. longitudinal suspension cables, transverse floor beams, and suspender rods) be removed, altered, mutilated or strength-compromised during the course of work. Only one (1) top or bottom truss chord may be absent from the bridge truss system at any given time. Extreme care and alertness must be exercised at all times when replacing the truss chord members. Extreme care involves paying close attention to the stability of the bridge's structural components with intents that its static nature be maintained. Should the bridge appear to exhibit unconventional movement and/or noises during truss chord replacement, immediately stop work, safely remove crew personnel from the bridge, and ensure that all safety mechanisms are in place. Prior to returning to work, the crew supervisor shall inspect the bridge and, if necessary, contact the Engineer of Record to assist with inspection to determine if it is safe to proceed.

- F. Once the bridge replacement work is complete, the platform shall be moved back to the north end of the bridge and removed from the bridge opposite the same manner it was installed. The platform components shall be disassembled on the large rock area and lifted out of the river channel. TD shall remove all tools and materials from the project area.
- G. The Engineer of Record shall inspect the structure prior to the bridge being opened to public traffic.

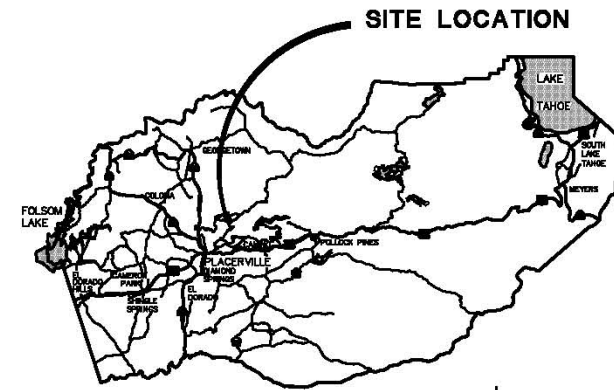
**COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**PROJECT PLANS FOR THE CONSTRUCTION OF
MOSQUITO ROAD BRIDGE at the
SOUTH FORK AMERICAN RIVER
IN THE COUNTY OF EL DORADO, DISTRICTS 3 & 4**

To be supplemented with Standard Plans and Specifications dated 2010, including the amendments to the 2010 Standard Specifications, of the California Department of Transportation, unless otherwise noted.



SITE PLAN
NO SCALE



VICINITY MAP
COUNTY OF EL DORADO

BOARD OF SUPERVISORS

I	RON MIKULACO
II	SHIVA FRENTZEN
III	BRIAN VEERKAMP
IV	MICHAEL RANALLI
V	SUE NOVASEL

**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA 95667

APPROVED BY:

STEVEN M. PEDRETH, DIRECTOR
COMMUNITY DEVELOPMENT AGENCY

DATE: _____

MATTHEW D. BAZZ, TRUSS D.E. INC. C64832
SEALTY, ARCHITECT, ENGINEERING

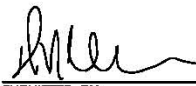
DATE: _____

FEDERAL AID PROJECT
BPMP 5925 (124)

REVISIONS

MARK	DATE	BY




 SUBMITTED BY:
 DUSTIN W. HARRINGTON
 CIVIL ENGINEER
 STATE OF CALIFORNIA NO. 71517
 6/23/2015
 DATE

PW NO. N/A PROJECT NO. 77141

**MOSQUITO ROAD BRIDGE
at the SOUTH FORK
AMERICAN RIVER**

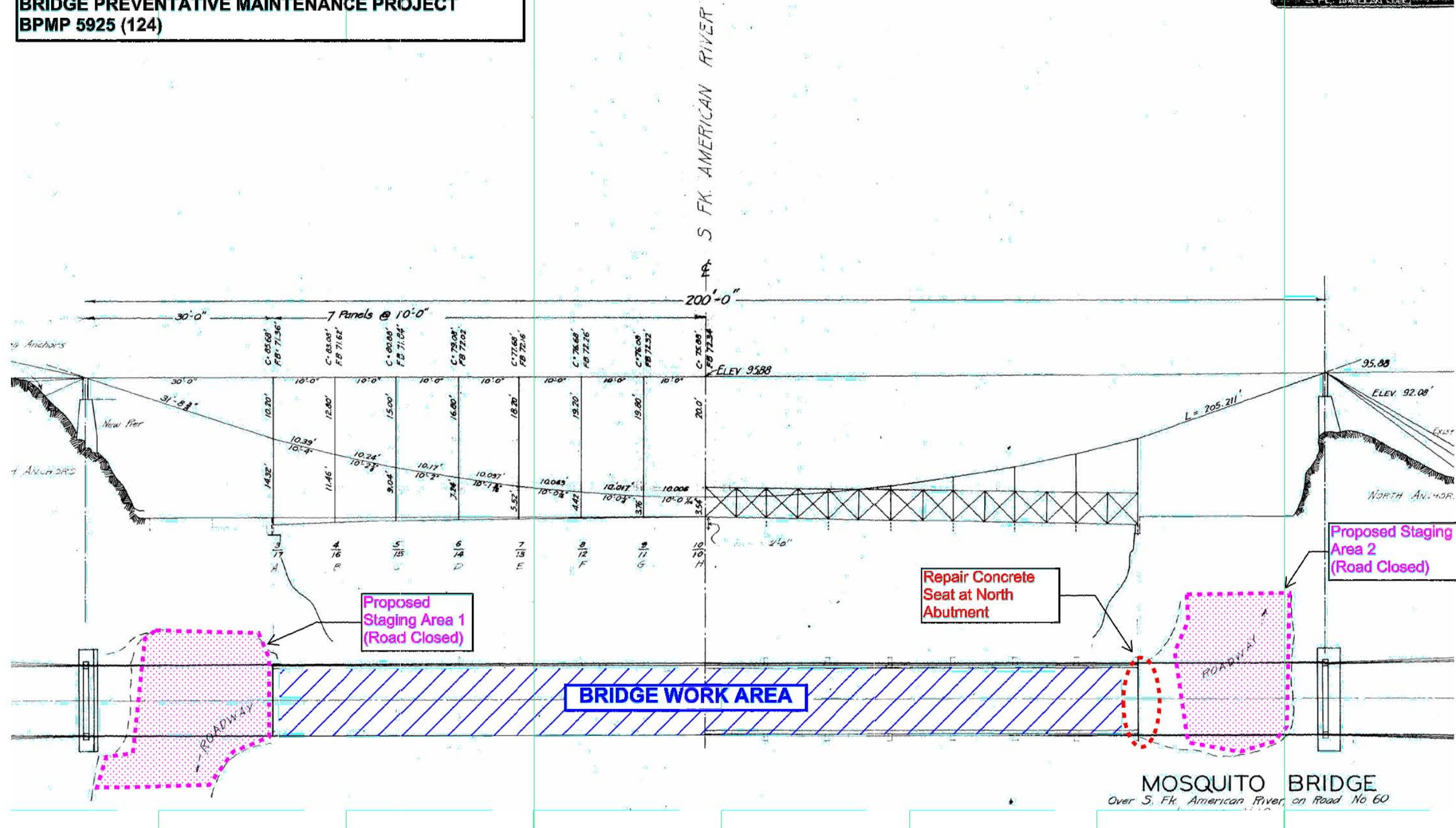
TITLE SHEET

SHEET 1 OF 3

Drawing name: \\CDData\TD-Engineering\Projects\Active\77141 Mosquito BPMP\Plans.dwg Layout Tab: Title Jun 08, 2015 - 9:25am dharrington

**MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE PREVENTATIVE MAINTENANCE PROJECT
BPMP 5925 (124)**

County of El Dorado	Project No. 60
Sheet Name: MOSQUITO ROAD	State Bridge No.
Over S. Fk. American River	County Agency



ORIGINAL SCALE IS IN INCHES
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**PLAN & ELEVATION VIEW
NO SCALE**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 LICENSE NO. C71517
 DATE: 6/23/2015

DESIGNED: ————
 DRAWN: ————
 CHECKED: ————
 DATE: 6/23/2015
 ROAD NUMBER: 60



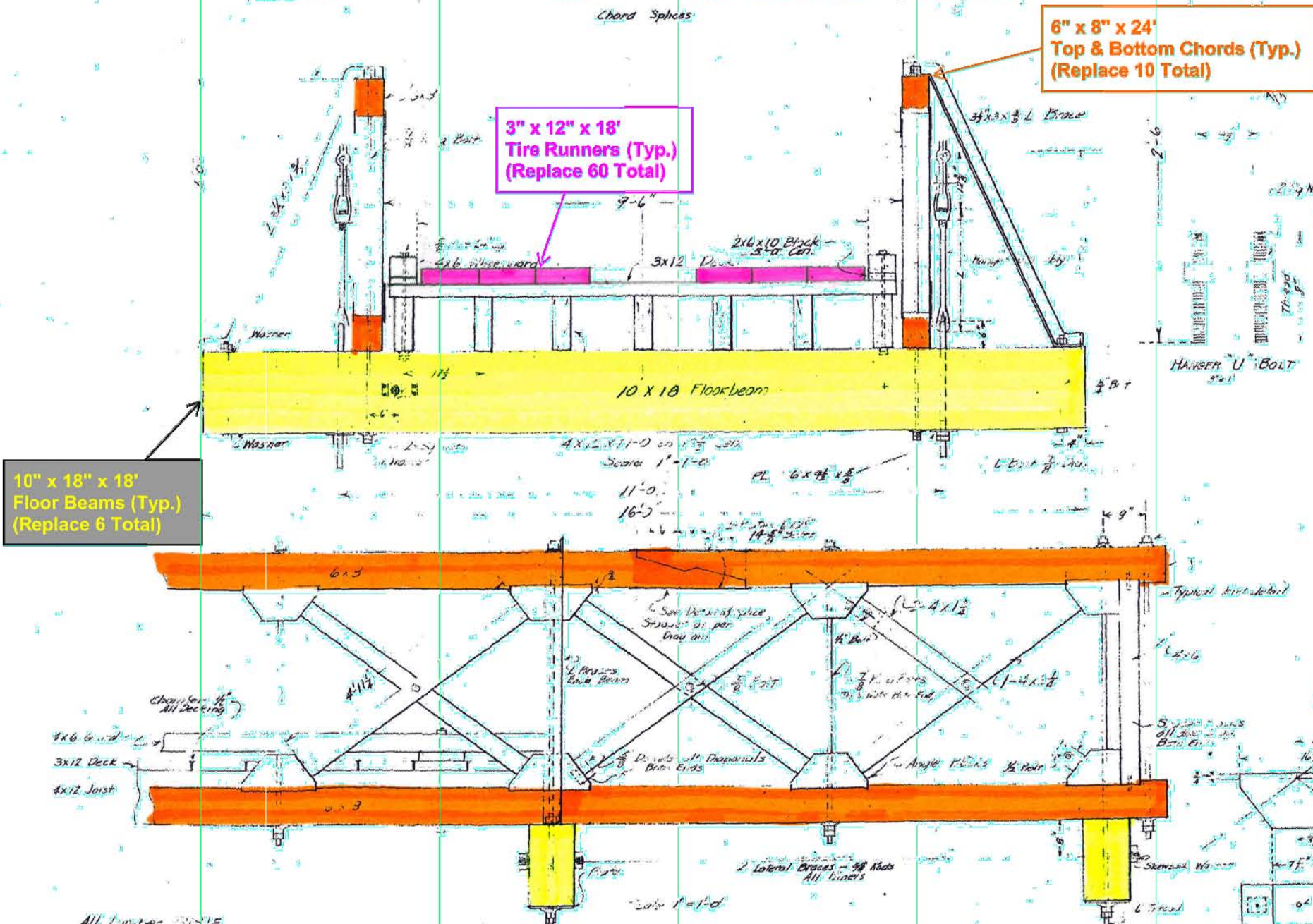
**COUNTY OF EL DORADO
 COMMUNITY DEVELOPMENT AGENCY
 TRANSPORTATION DIVISION**

**MOSQUITO ROAD BRIDGE at the
 SOUTH FORK AMERICAN RIVER**

SHEET
P-1
 2 of 3
 S.O. No. **77141**

**MOSQUITO ROAD AT SOUTH FORK AMERICAN RIVER
BRIDGE PREVENTATIVE MAINTENANCE PROJECT
BPMP 5925 (124)**

Model to Road
SFC AMERICAN RIVER



**6" x 8" x 24'
Top & Bottom Chords (Typ.)
(Replace 10 Total)**

**3" x 12" x 18'
Tire Runners (Typ.)
(Replace 60 Total)**

**10" x 18" x 18'
Floor Beams (Typ.)
(Replace 6 Total)**

SUSPENDER RODS

ROD No.	LENGTH
A	12'-11 1/2"
B	10'-1 1/2"
C	7'-8"
D	5'-10 1/2"
E	4'-1 1/2"
F	3'-0 1/2"
G	2'-4 1/2"
H	2'-2"

MOSQUITO BRIDGE
COUNTY OF EL DORADO CALIF.
Loading Sheet No.

**TRUSS DETAIL & CROSS SECTION
NO SCALE**

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Data\Projects\77141 Mosquito Bridge\Plans.dwg Layout Tab: P-2 Jun 01 2015 - 11:59am dharrington

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 6/23/2015

DESIGNED: ——— DRAWN: DH
CHECKED: ——— DATE: 6/23/2015
ROAD NUMBER: 60



**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**MOSQUITO ROAD BRIDGE at the
SOUTH FORK AMERICAN RIVER**

SHEET
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SHEET NO. **77141**