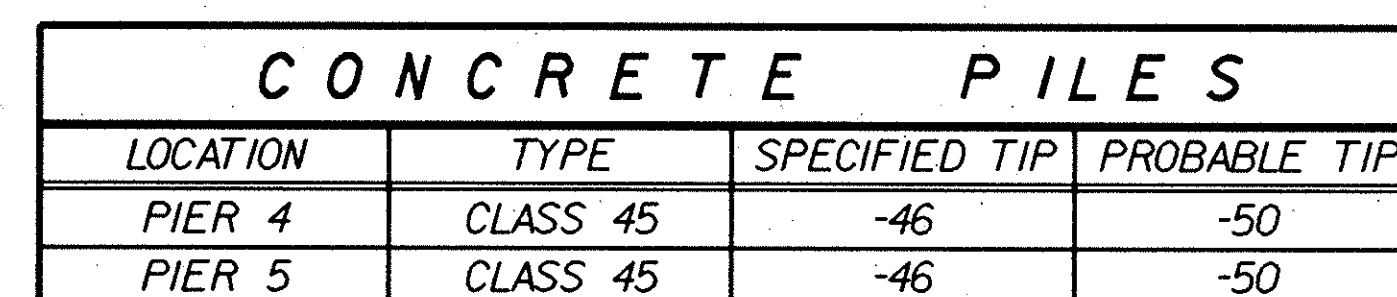
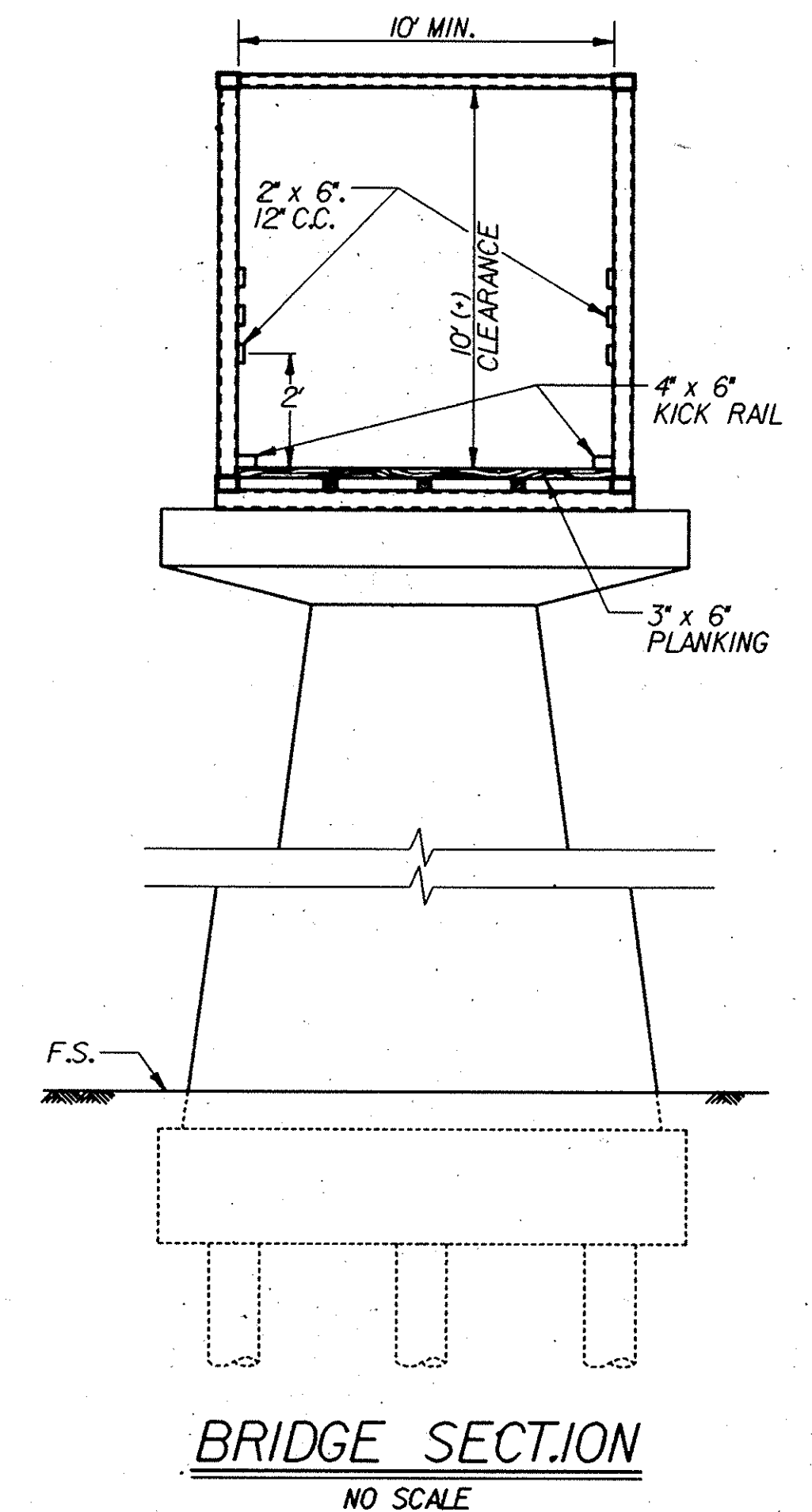


\* NOTE: CONTRACTOR SHALL FIELD VERIFY THESE DIMENSIONS  
WITH ENGINEER PRIOR TO FABRICATION OF BRIDGE TRUSSES.



ELEVATION  
LOOKING UPSTATION  
SCALE: 1"=20'



## SPECIFICATIONS

DESIGN: AASHTO DATED 1983 AS MODIFIED  
BY CALTRANS.

CONSTRUCTION: STANDARD SPECIFICATIONS FOR PUBLIC  
WORKS CONSTRUCTION DATED 1988,  
CALTRANS JAN 1988 STANDARD  
SPECIFICATIONS AND THESE SPECIAL  
PROVISIONS.

### LIVE LOADING

85 POUNDS PER SQUARE FOOT  
LOADING PER B.D.S.3J4J3

10,000 LBS. POINT LOAD APPLIED AT THE CENTER OF EACH SPAN PLUS 30% FOR IMPACT LOADS.

WIND LOAD IN ACCORDANCE WITH B.D.S. 3J5J.

SUPERSTRUCTURE

A588, HIGH STRENGTH, LOW-ALLOY  
CORROSION-RESISTANT: GRADE 50

### UNIT STRESSES

F<sub>s</sub> TENSION = 24,000 PSI  
(ASTM A615 GRADE 60)

CONCRETE:  $F_c = 1300$  PSI  
 $F_t = 3500$  @ 28 DAYS

### PILE LOADING

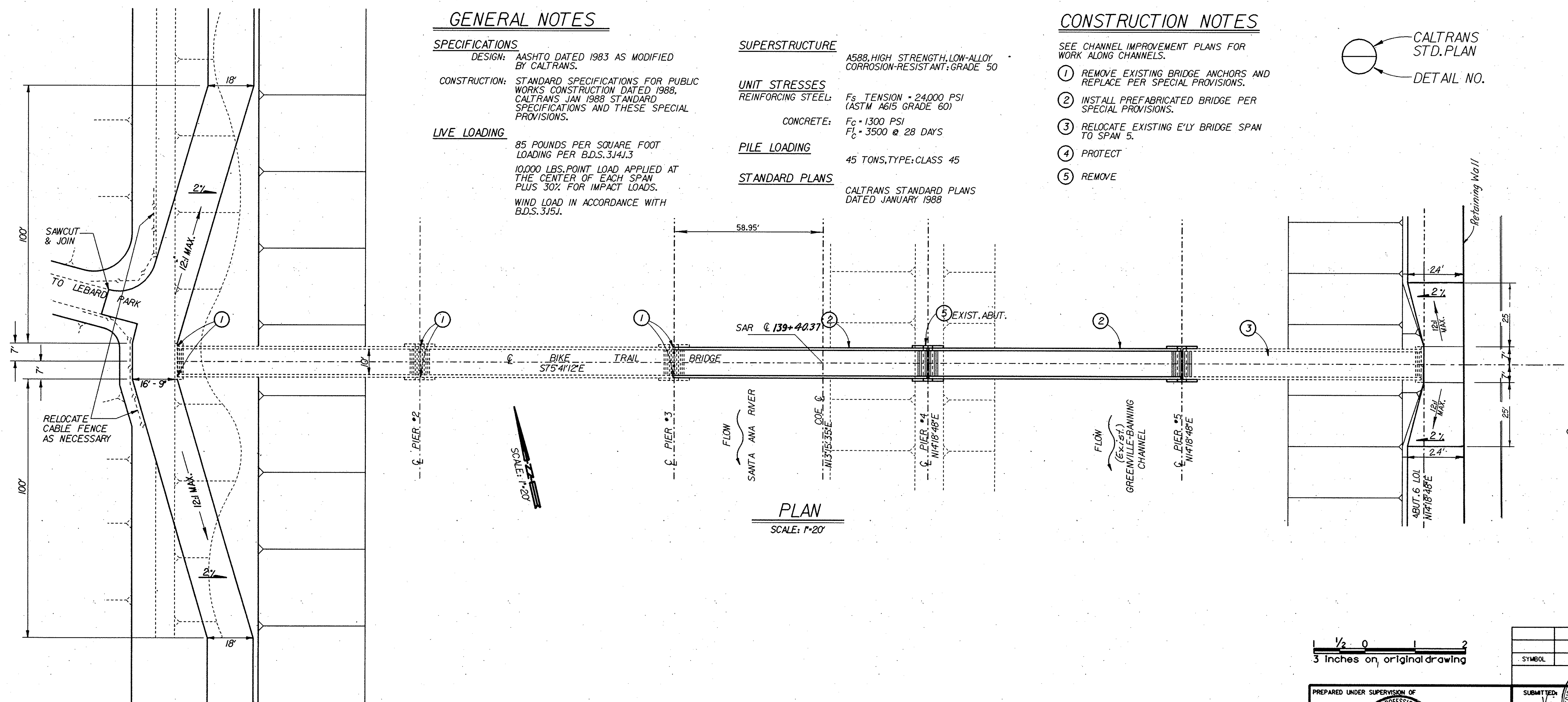
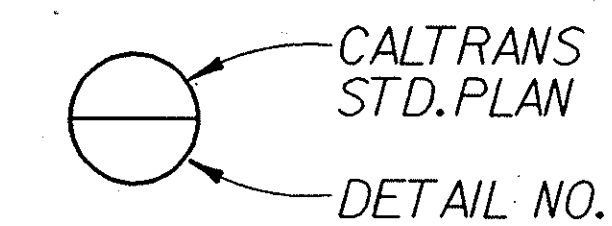
45 TONS, TYPE: CLASS 45

## STANDARD PLANS

CALTRANS STANDARD PLANS  
DATED JANUARY 1988

SEE CHANNEL IMPROVEMENT PLANS FOR  
WORK ALONG CHANNELS.

- ① REMOVE EXISTING BRIDGE ANCHORS AND REPLACE PER SPECIAL PROVISIONS.
- ② INSTALL PREFABRICATED BRIDGE PER SPECIAL PROVISIONS.
- ③ RELOCATE EXISTING E'LY BRIDGE SPAN TO SPAN 5.
- ④ PROTECT
- ⑤ REMOVE



|         |  | CUT-OFF<br>ELEVATION | MAXIMUM TIP<br>ELEVATION | MINIMUM TIP<br>LENGTH | AVERAGE "AS BUILT"<br>PILE TIP ELEVATION | AVERAGE STROKE<br>HEIGHT | AVERAGE BLOWS<br>PER FOOT | AVERAGE BEARING<br>VALUE (TONS) |
|---------|--|----------------------|--------------------------|-----------------------|------------------------------------------|--------------------------|---------------------------|---------------------------------|
| PIER #4 |  |                      |                          |                       |                                          |                          |                           |                                 |
| PIER #5 |  |                      |                          |                       |                                          |                          |                           |                                 |

PILE DRIVING MAKE AND MODEL :  
DRIVING ACTION :  
RATED ENERGY :  
RAM WEIGHT :  
MAX. STROKE :  
BEARING VALUE FORMULA  
P = OR P =

**BENCH MARK:** IL-42-81

NEAR THE INTERSECTION OF INDIANAPOLIS &  
TOP OF W. LEVEE OF S.A. RIVER; 1.5' W/O W.  
EDGE OF AC PVMT OF LEVEE RD; 4.0' S/O  
S. EDGE OF AC BIKE RAMP; 22.1' W/O TOP  
OF PAVED SLOPE ON INSIDE OF W. LEVEE;  
261.8' S/O LINE MADE BY 4 S. LEGS OF 2  
STEEL POWER LINE TOWERS.

1981 ADJUSTMENT . ELEVATION: 27.107

**BASIS OF BEARINGS:**  
CENTERLINE OF BRIDGE BETWEEN PIER  
2 AND PIER 3 TO BE TAKEN AS  
S75°41'12"E.

3 inches on original drawing

PREPARED UNDER SUPERVISION OF

*Richard A. Hart*



*9/21/90*

RICHARD HART  
RCE 39895 (exp. 12-31-93)

DATE

COMPUTER  
AIDED  
DESIGN &  
D

DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

|                                                                                                                                                                                                                                                                                          |        |                                                                                                                                                    |                                       |                                            |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|----------|
| SYMBOL                                                                                                                                                                                                                                                                                   |        | DESCRIPTIONS                                                                                                                                       |                                       | DATE                                       | APPROVAL |
| <div style="display: flex; justify-content: space-between;"> <div> <p>SUBMITTED: <u>14-08878</u></p> <p>CHIEF, <u>OCMA ROAD DESIGN</u></p> </div> <div> <p>DATE: <u>9-27-90</u></p> </div> <div> <p>U.S. ARMY ENGINEER DISTRICT<br/>LOS ANGELES<br/>CORPS OF ENGINEERS</p> </div> </div> |        |                                                                                                                                                    |                                       |                                            |          |
| DESIGNED BY:<br>BG/RH                                                                                                                                                                                                                                                                    |        | <p style="text-align: center;">SANTA ANA RIVER<br/>BIKE TRAIL CROSSING<br/>BRIDGE DETAILS</p> <p style="text-align: right;">(PREPARED BY OCMA)</p> |                                       |                                            |          |
| DRAWN BY:<br>PAN                                                                                                                                                                                                                                                                         |        |                                                                                                                                                    |                                       |                                            |          |
| CHECKED BY:<br>RH                                                                                                                                                                                                                                                                        |        |                                                                                                                                                    |                                       |                                            |          |
| SUBMITTED BY:                                                                                                                                                                                                                                                                            |        | DATE APPROVED:                                                                                                                                     |                                       | SPEC. NO. DACW09-<br><br>DISTRICT FILE NO. |          |
| CHIEF                                                                                                                                                                                                                                                                                    | DESIGN | BRANCH                                                                                                                                             | <p>SHEET<br/>B of<br/>3<br/>SHEET</p> |                                            |          |