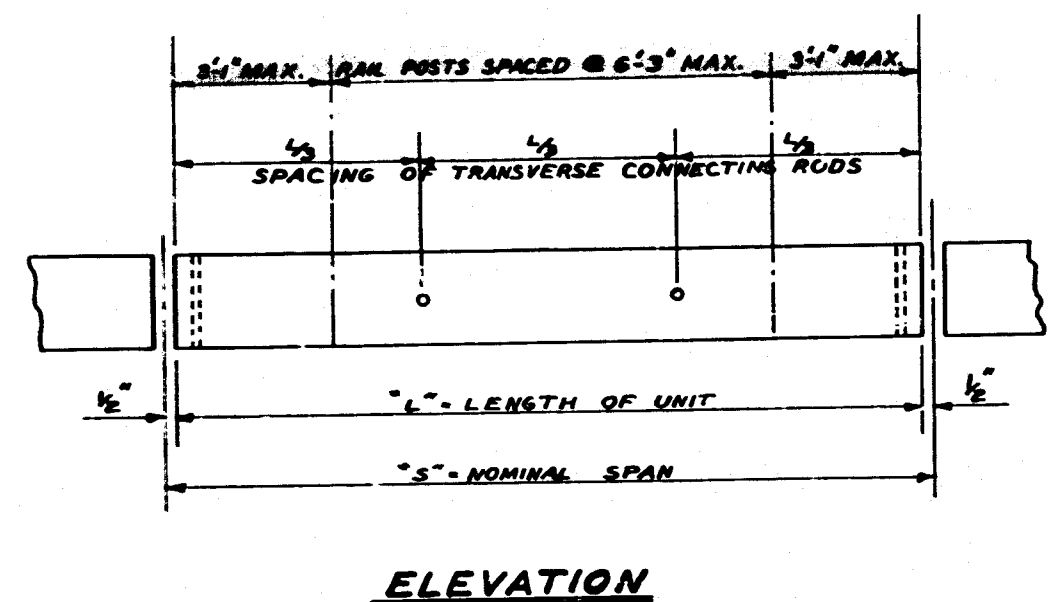
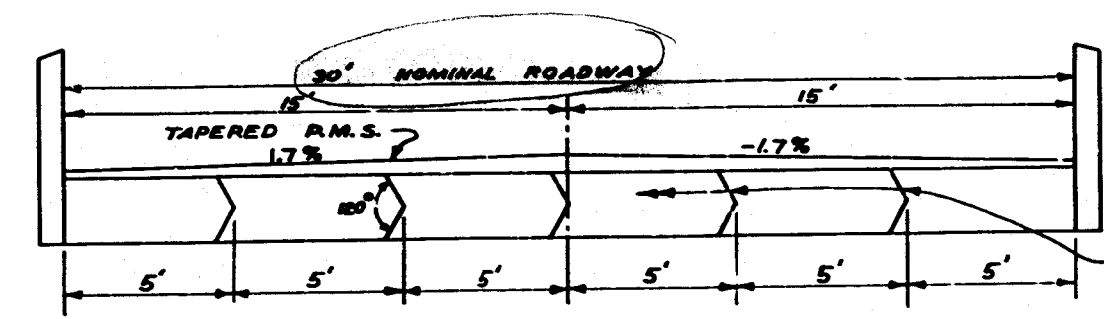
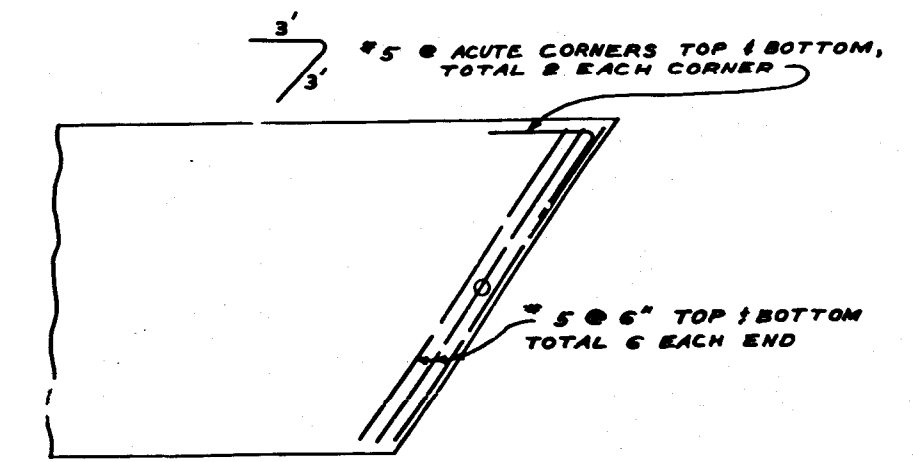




ELEVATION

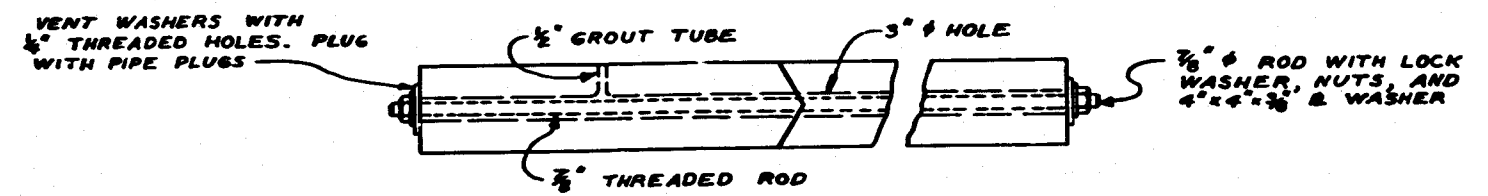


TYPICAL SECTION
FOR 30' NOMINAL ROADWAY

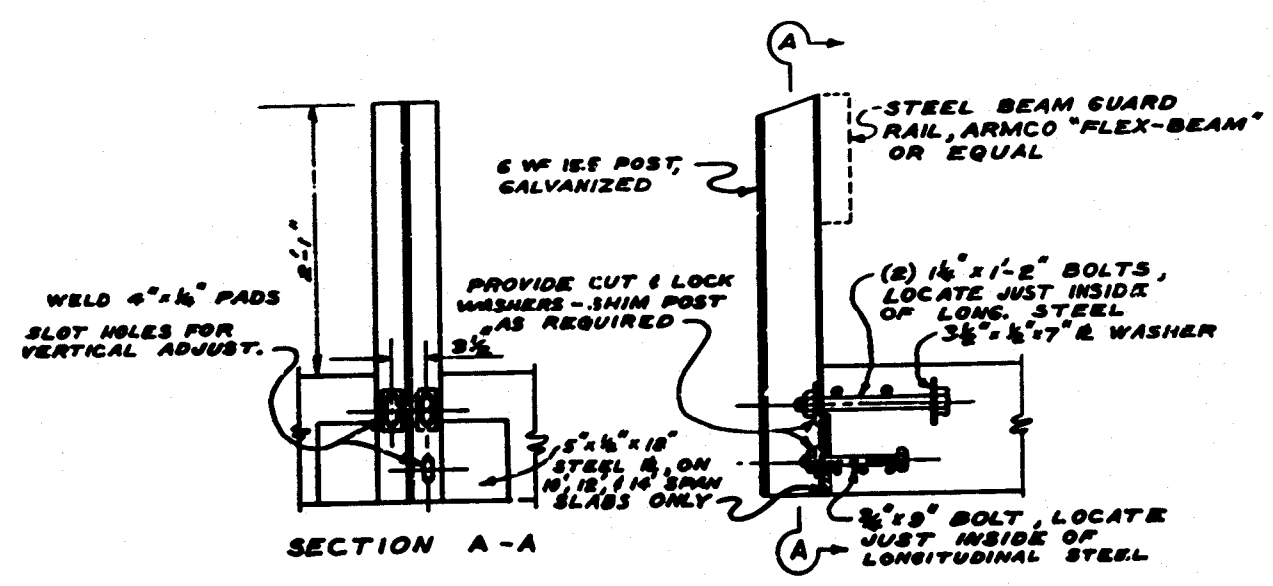


SKewed SLAB REINFORCEMENT

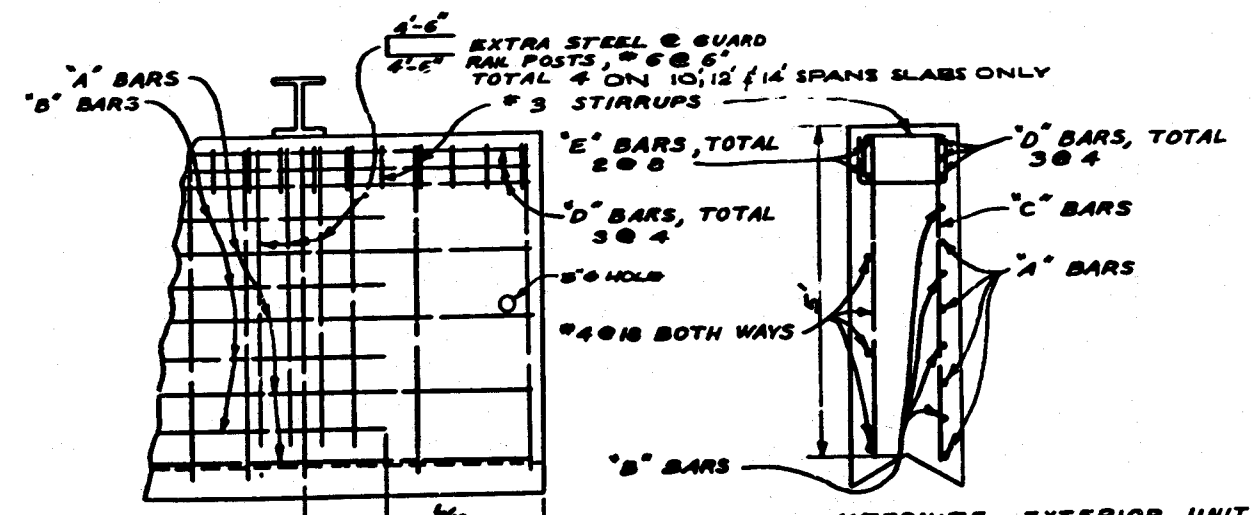
NOTE: REINFORCEMENT & DESIGN AS SHOWN ON THIS SHEET TO BE USED ONLY FOR SKEWS UP TO 30° FOR GREATER SKEWS SEE ADDITIONAL SHEETS ACCOMPANYING THIS PLAN. BARS NOT DETAILED HERE ARE SHOWN IN NORMAL (SQUARE) DETAIL.



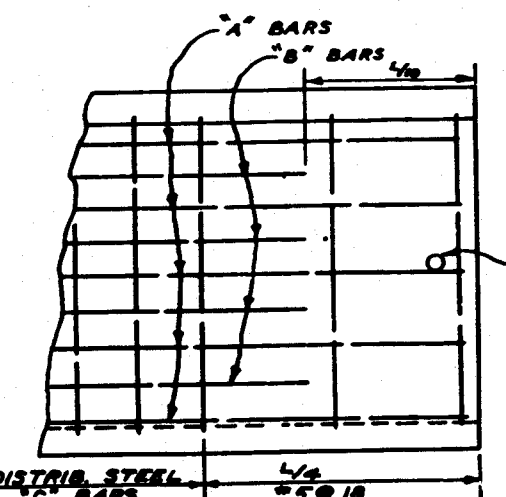
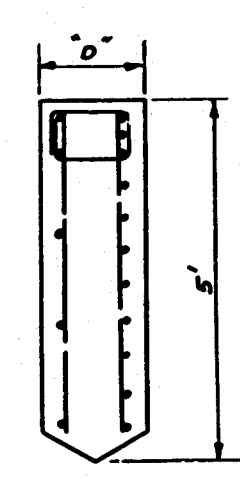
TRANSVERSE CONNECTIONS



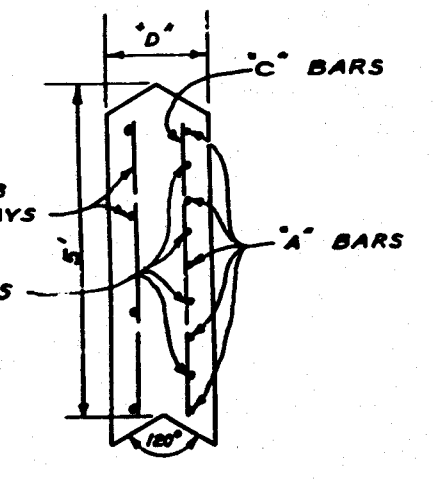
GUARD RAIL POST DETAILS



EXTERIOR UNITS



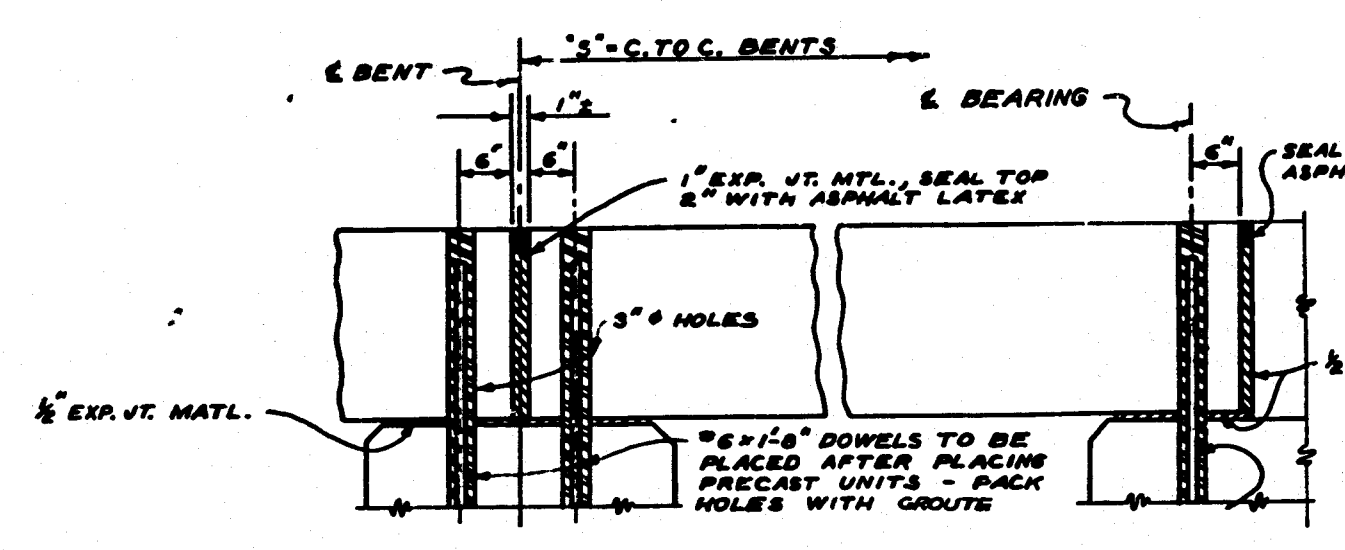
INTERIOR UNITS



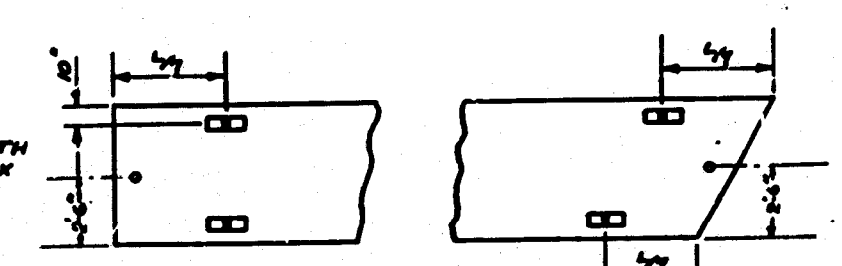
REINFORCEMENT DETAILS

NOTES

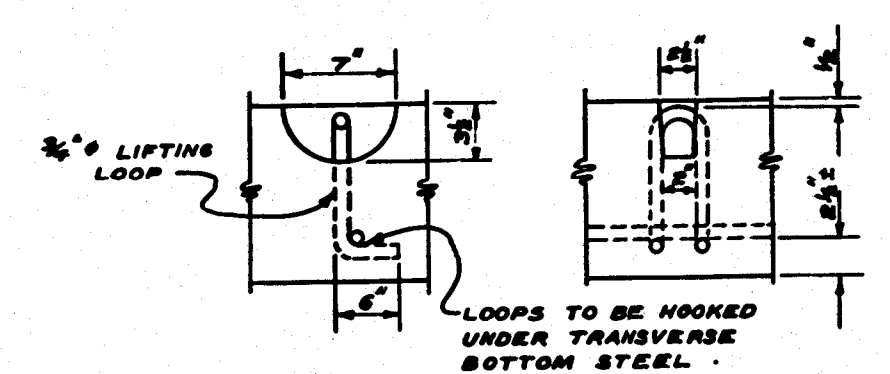
SPECIFICATIONS: COUNTY OF ORANGE STANDARD STREETS & HIGHWAYS SPECIFICATIONS, JANUARY 1961
DESIGN L.L.: H20-S16-44
UNIT STRESSES: $f_c = 1200$ P.S.I. $f_s = 10$ $f_t = 20000$ P.S.I.
REINFORCEMENT: EMBEDMENT TO BE 1 1/2" DIAM. CLEAR 1" MINIM. UNLESS NOTED. BARS TO BE ROUND DEFORMED BARS CONFORMING TO ASTM A-15 OR A-16 AND ASTM A-305 WITH SUBSEQUENT REVISIONS. LAP SPICES 20 DIAM. MINIM. EXCEPT LAP 'E' BARS 35 DIAM.
SLAB UNITS SHALL BE PLACED IN THE SAME RELATIVE POSITION AS WHEN CAST. UNITS SHALL BE PERMANENTLY NUMBERED IN CASTING YARD IN ORDER TO FACILITATE CORRECT PLACEMENT.
CONCRETE: CLASS "A" P.C.C.
ALL HARDWARE TO BE GALVANIZED.



ASSEMBLY DETAIL



SQUARE END SKEWED END



LIFTING LOOP DETAILS

SPAN	UNIT LENGTH	DEPTH	"A" BARS	"B" BARS	"C" BARS	"D" BARS	"E" BARS	STIRRUP SPACING	APPROX. UNIT WT. LBS.
10'	10'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	5500
12'	12'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	7000
14'	14'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	8500
16'	16'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	10000
18'	18'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	11500
20'	20'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	13000
22'	22'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	14500
24'	24'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	16000
26'	26'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	17500
28'	28'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	19000
30'	30'-0"	18"	2 @ 12	2 @ 12	2 @ 12	2 @ 12	2 @ 12	12"	20500

COUNTY OF ORANGE HIGHWAY DEPT.
PRECAST SLAB UNITS 10'-25' SPANS
BRIDGE ACROSS CHANNEL
ON VALLENCIA AVE. 0.24 MILES
NORTHWEST OF LAGUNA RD.
STRUCTURE NUMBER
APPROVED _____
DATE: _____
SCALE: NONE
SHEET 1 OF 2

Bridge B-61
Overhead on Valencia Ave
.24 mi. w/o Laguna Rd
Sheet 1 of 1
Scale: None
Blackline Print

ENCLOSURE
JUL 12 1960

#14531
M-81
VALENCIA AVE.
1956