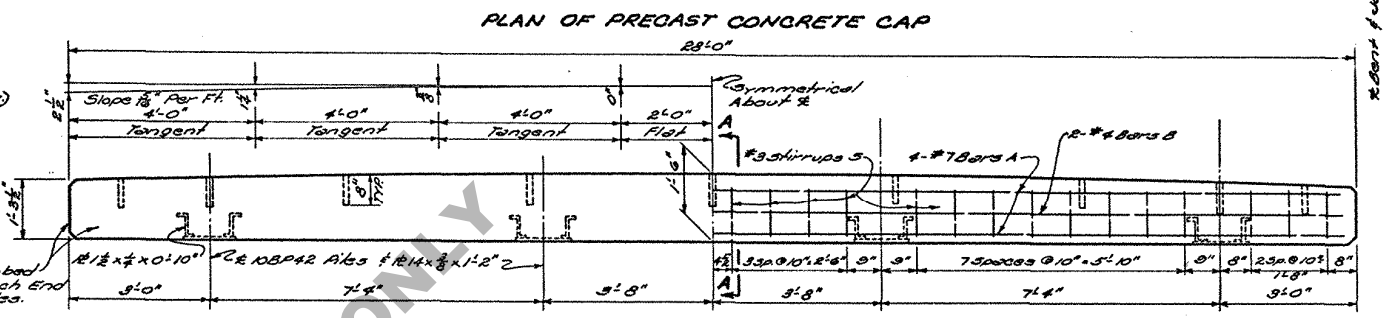
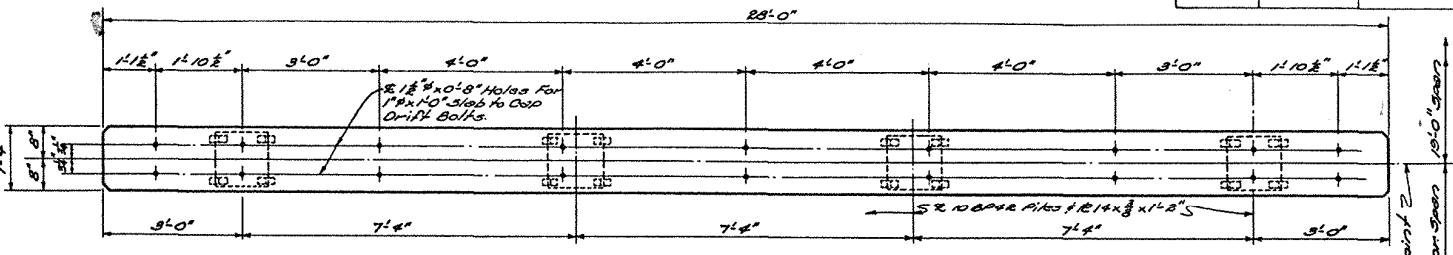
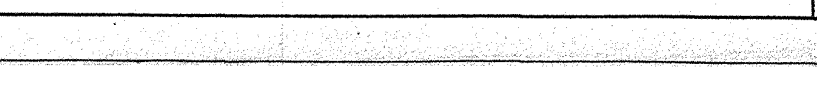
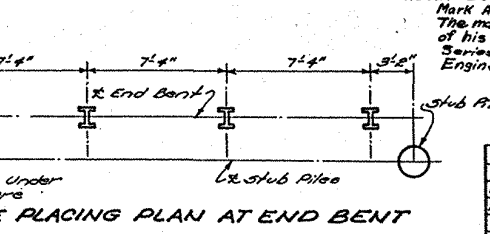
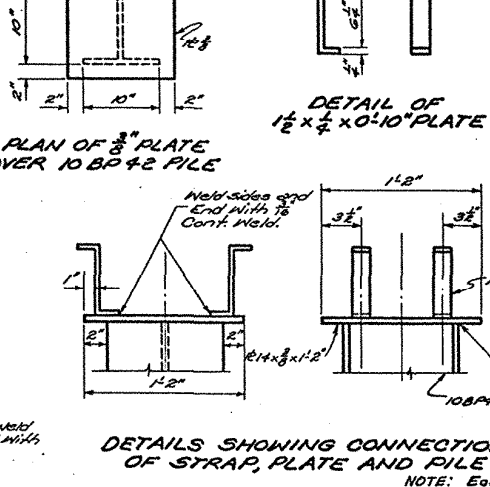
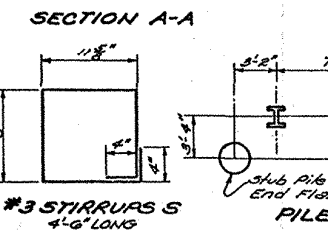
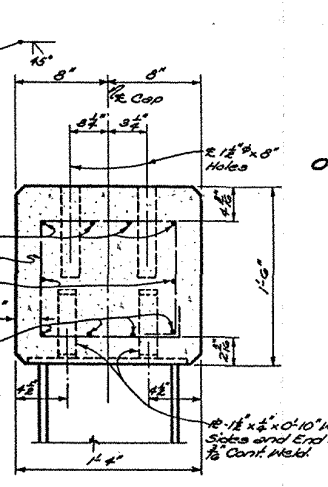
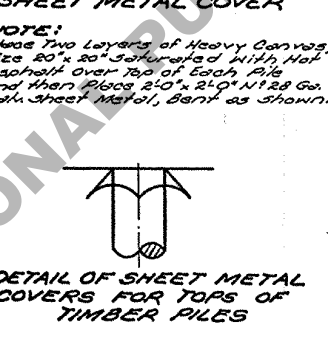
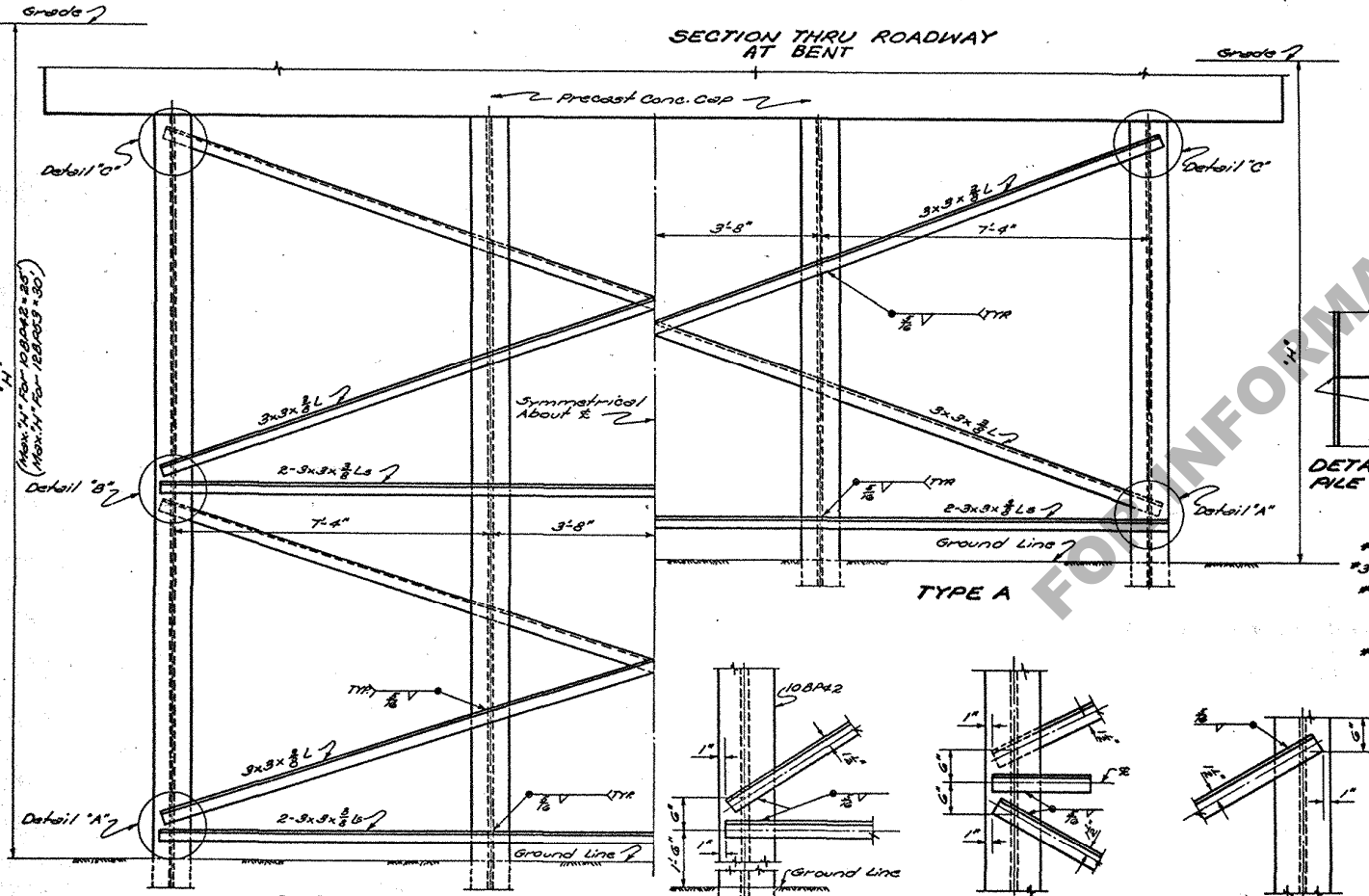
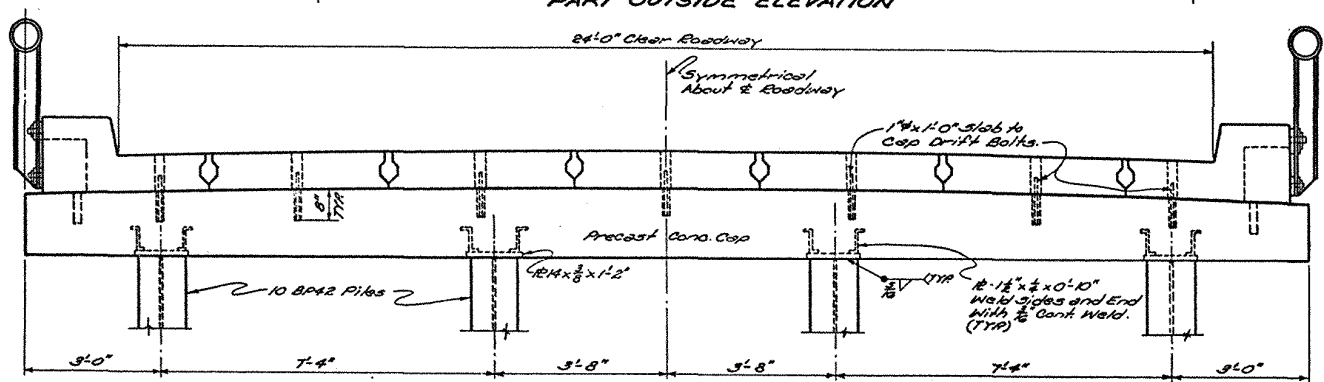
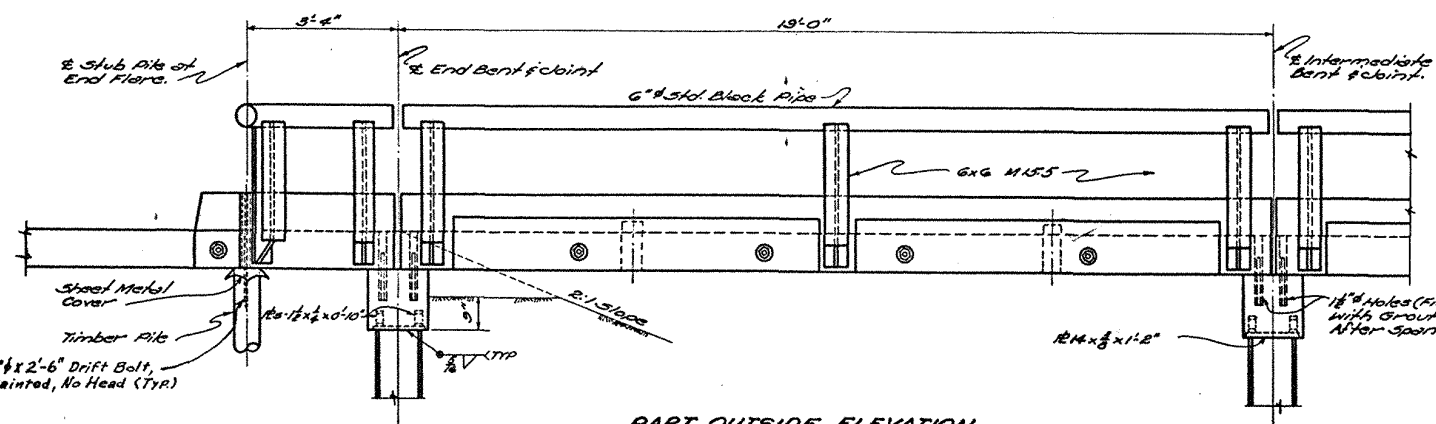




BILL OF MATERIALS FOR ONE PRECAST CAP

BAR	SIZE	Nº	LENGTH	TOTAL LENGTH	LOCATION
A	#7	8	27'-8"	221'-4"	Longitudinal (Top & Bottom)
B	#4	2	27'-8"	55'-4"	Longitudinal (Center)
TOTAL Nº7 BARS = 221'-4" = 452 LBS.					
C	#4	2	27'-8"	55'-4"	Longitudinal (Center)
TOTAL Nº4 BARS = 55'-4" = 57 LBS.					
D	#3	30	4'-6"	135'-0"	Stirrups in Cap
TOTAL Nº3 BARS = 135'-0" = 51 LBS.					
TOTAL REINF. STEEL = 540 LBS.					
TOTAL CLASS "X" CONCRETE = 1.98 CU. YDS.					
FABRICATED CARBON STEEL = 101 LBS.					

*** BILL OF MATERIALS FOR ONE BENT**

DESCRIPTION	Nº OF PIECES REQ'D. FOR:	END BENT	INTER. BENT
Precast Concrete Cap	1	1	
10 BP42 Piles	4	4	
Crossed Timber Slab Piles, 16 # Treatment	2	0	
1'-8" Heavy Canvas	2	0	
2'-0" x 2'-0" x 1/2" Galv. Sheet Metal Covers (Hardware)	2	0	
1/2" x 2'-6" Drift Bolts (Hardware)	2	0	

BRACING TYPE AND QUANTITIES

GROUND TO GRADE "H"	TYPE	FAB. CARBON STEEL LBS.
0 THRU 12	None	
13 THRU 15	A	735
15 THRU 19	A	743
19 THRU 20	A	764
20 THRU 25	B	1458
25 THRU 30	B	1480
30 THRU 35	B	1508

NOTE: No Direct Payment will be made for all bracing, but cost of same shall be included in Price Bid on other items.

AVE. PILE LOADS:
 H15-44 = 15.03 Tons/Pile
 H20-44 = 17.77 Tons/Pile
 * Sway Bracing Not Included.

GENERAL NOTES:
 Construction Specifications: Le Dept. of Highways Standard Specifications for Roads and Bridges, dated July, 1955.
 Concrete: Class "X" Concrete shall be in accordance with the special provisions for concrete.
 Reinforcing Steel: Deformed reinforcing steel shall be Intermediate or Hard Grade A.S.T.M. A15-54T or Rail Steel A.S.T.M. A16-54T, and shall conform to A.S.T.M. A305-53T.
 Direction of Bracing: To Reinforcing Steel are to be Centers.
 Design Specifications: A.S.T.M.O., 1955, as amended to Dec. 31, 1955.
 Live Load: HS-16.
 Highway and Railroad Bridges, Design, Construction, and Repair of the American Welding Society.
 Fabricated Carbon Steel: Unless noted and "Steel Bearing Piles" shall receive one shop coat of paint. Surfaces of Piles which will be in water and ground shall receive the first field coat of paint.
 Exposed Steel Surfaces shall receive the first, second and third field coat of paint. Steel shall be spot painted after welding before applying first field coat.
 Details shown are for 10BP42 Piles. Use 12BP53 as Reg'd. All Hardware to be Plain Unless Otherwise Noted.

**STANDARD PLAN
STEEL BEARING PILE BENTS
WITH
PRECAST CONCRETE CAPS
TO BE USED WITH STD. PLAN CFS 8-15**

DESIGNED *W. L. Williams* CHECKED *W. L. Williams* TRACED *W. L. Williams*

DATE *Oct 22* 1957

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

BRIDGE DESIGN SECTION