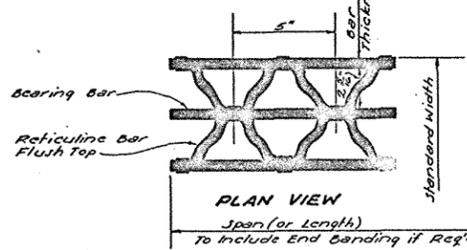
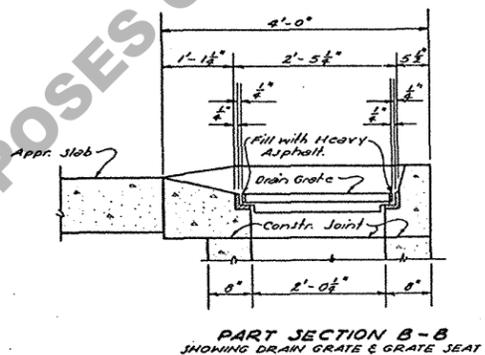
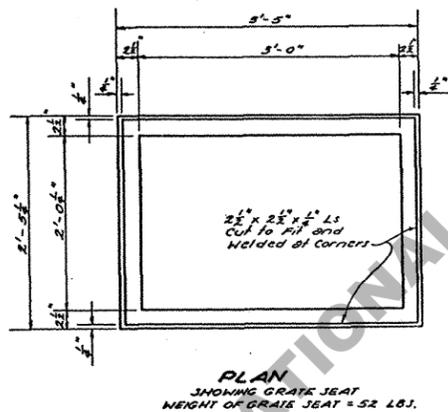


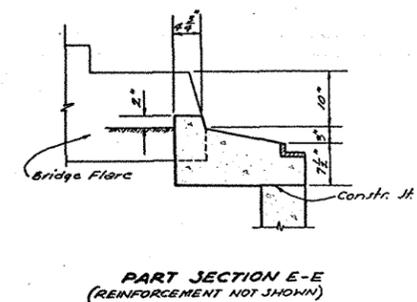
***QUANTITIES FOR ONE CATCH BASIN (ONE PIPE)**

BAR SIZE	Nº	UNIT LENGTH	TOTAL LENGTH	LOCATION
A	#4	7	5'-0"	Bottom Slab
B	#4	4	4'-0"	Bottom Slab
C	#4	6	4'-3"	Walls & Cant. Beam
D	#4	4	3'-0"	Walls
DI	#4	4	3'-8"	Cant. Beam
E	#4	6	3'-11"	Walls
E1	#4	1	1'-8"	Walls
F	#4	3	4'-0"	Walls
F1	#4	2	4'-8"	Cant. Beam
F2	#4	2	5'-4"	Curbs
Z	#4	3	2'-0"	Cant. Beam
TOTAL #4 BARS			= 152'-4"	= 102 LBS.
TOTAL REINFORCING STEEL				= 102 LBS.
CLASS "A" CONCRETE				= 1.51 CU. YDS.

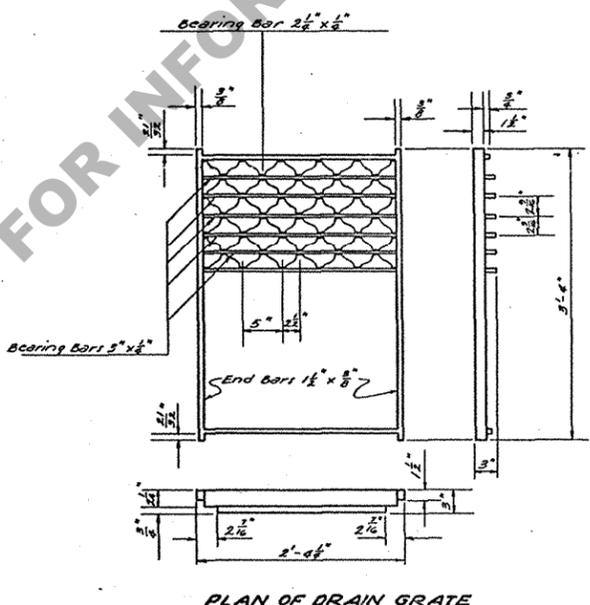
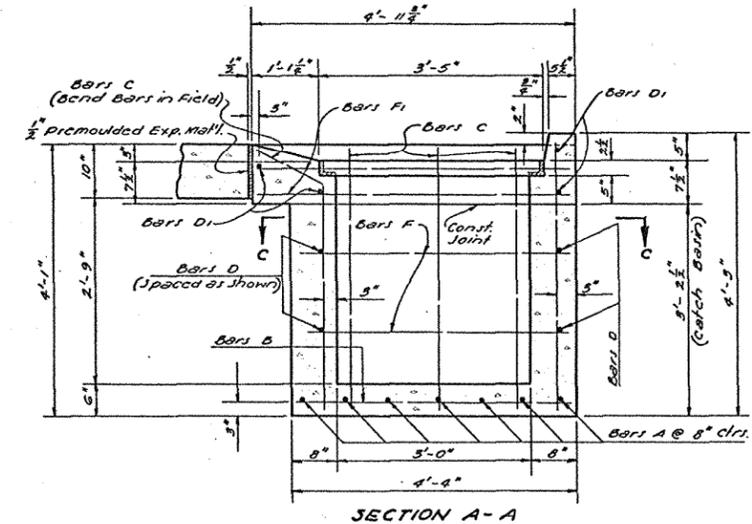
*Quantities shown are for Estimating Purposes only.



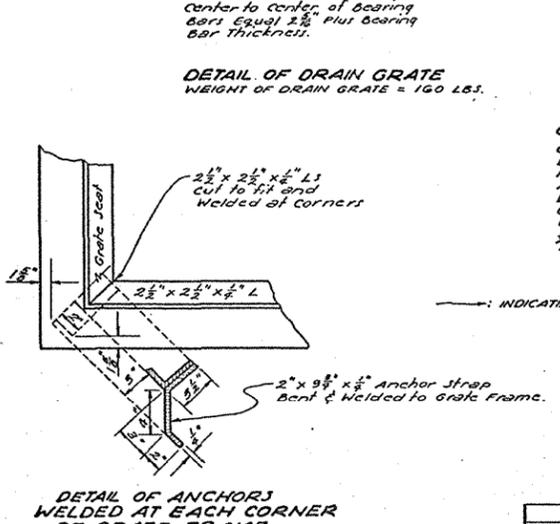
DETAIL OF DRAIN GRATE WEIGHT OF DRAIN GRATE = 160 LBS.



PART SECTION E-E (REINFORCEMENT NOT SHOWN)



PLAN OF DRAIN GRATE



DETAIL OF ANCHORS WELDED AT EACH CORNER OF GRATE FRAME

GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept. of Highways Std. Spec. DESIGN SPECIFICATIONS: A.A.S.M.O. 1953-55 Amended to Dec. 31, 1955.
 Reinforcement Bars shall be Intermediate, or Hard Grade, A.I.T.M. A15 or R41 Steel at I.T.M. #10, conforming to A.I.T.M. A305.
 Dimensions to Reinforcing Steel are to Bar Centers.
 Concrete to be Class "A".
 Open Top R.C. Catch Basin Drains to be Paid for as a Unit Complete in Place.
 Premoulded Exp. Material to be included in Price Bid for Open Top R.C. Catch Basin Drain.

TO DRAIN DOWN SIDE SLOPE

STANDARD PLAN
OPEN TOP R.C. CATCH BASIN DRAINS AT BRIDGE ENDS ONLY (FOR TANGENT CROWN BRIDGES ONLY)

DATE: Nov. 8, 1957

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	Detailed	TRACED	E. C. Schipper
CHECKED	Checked	CHECKED	W. B. ...

BRIDGE DESIGN SECTION

DATE	DESCRIPTION	BY