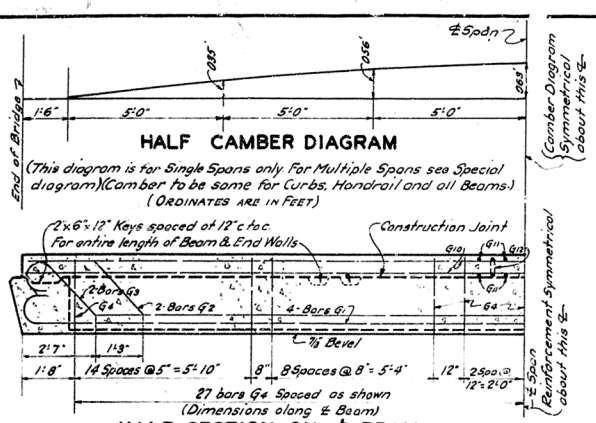
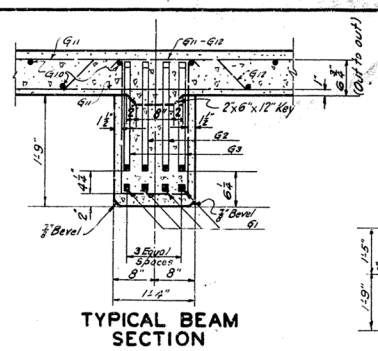
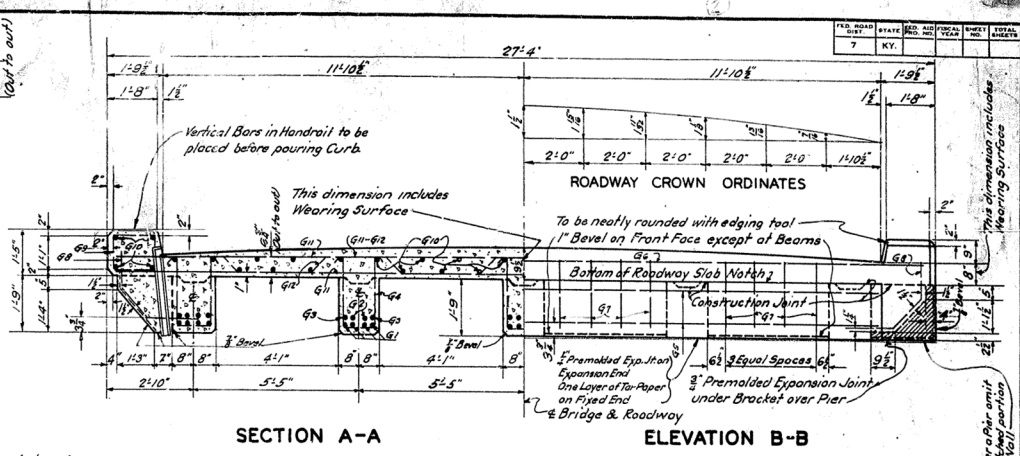


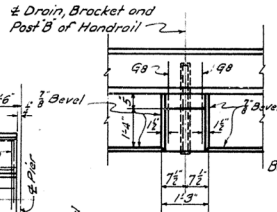


TYPICAL BEAM SECTION

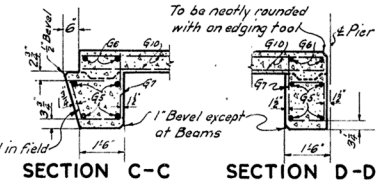


SECTION A-A

ELEVATION B-B



ELEVATION E-E

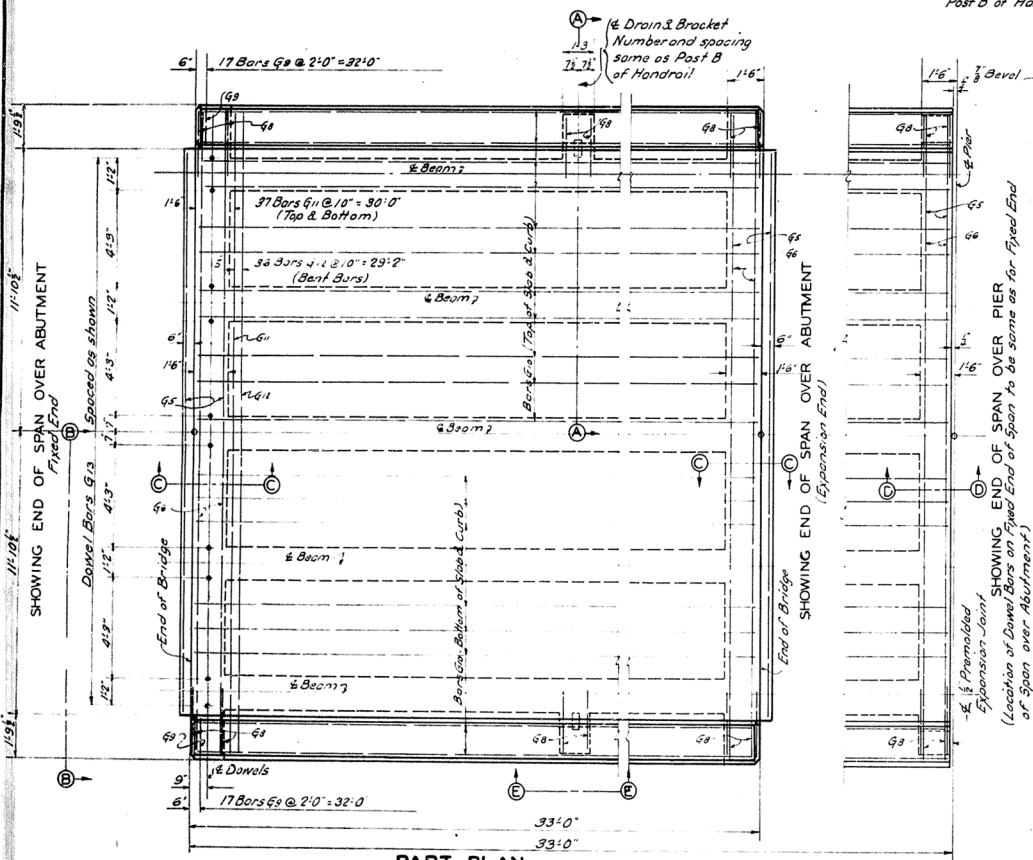


SECTION C-C SECTION D-D

NOTE: Quantities are estimated for One Intermediate Bracket on each side of Span.

ESTIMATE OF QUANTITIES

SPAN	SINGLE	INTERMEDIATE	END
Concrete, Class "A"	47.0 Cu. Yds.	45.9 Cu. Yds	46.5 Cu. Yds.
Reinforcement	12,600 Lbs.	12,600 Lbs	12,600 Lbs.



PART PLAN

BILL AND TYPES OF REINFORCEMENT

MARK	TYPE	NO	SIZE	LOCATION FT	LOCATION IN	LOCATION
G1	①	20	1¼" □	35	3	Beams
G2	②	10	1⅛" □	36	1	"
G3	③	10	"	35	6	"
G4	④	265	½" □	5	9	"
G5	Str.	8	½" ℄	23	5	End Walls
G6	"	4	⅝" ℄	27	0	" "
G7	⑤	32	½" □	5	5	" "
G8	⑥	12	½" ℄	4	1	Brackets & End Walls
G9	⑦	34	"	5	0	Curbs
G10	Str.	38	"	32	8	Curbs & Slab
G11	"	74	⅝" ℄	26	10	Slab
G12	⑧	36	"	27	6	"
G13	Str.	10	½" ℄	2	0	Dowels Fixed End

GENERAL NOTE

SPECIFICATIONS: State Highway Department, Kentucky (1932 Standard with subsequent adopted amendments.)

CONCRETE: Class A concrete to be used thruout.

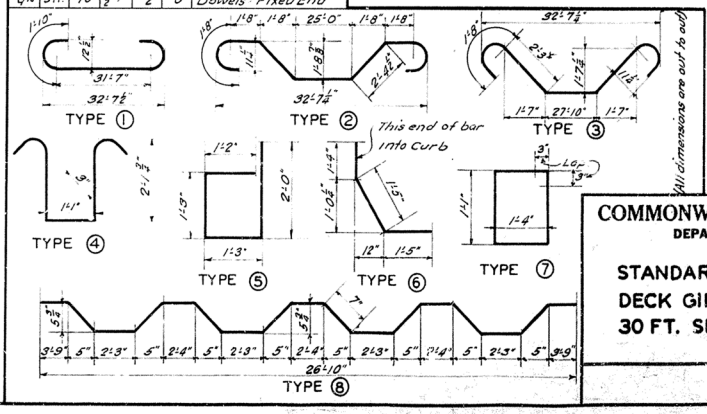
STEEL REINFORCEMENT: To be deformed bars. Dimension shown from the face of concrete is the clear distance. Dimension shown for bar spacing is the distance center to center of bars. All reinforcement shall be securely held in correct position by means of precast mortar or concrete blocks and wired at intersections. Precast mortar or concrete blocks supporting reinforcement shall be spaced not farther apart than 50 diameters of the supported bar.

WEARING SURFACE: To be 3" Monolithic Concrete, placed and finished in accordance with the requirements of same.

BEVELED CORNERS: All exposed corners to be beveled with ⅞" Triangular molding unless otherwise shown.

PREMOLDED EXPANSION JOINT MATERIAL: To be of Asphaltic or Tar composition of approved quality. Cost of furnishing and placing to be included in price bid for concrete.

CAST IRON DRAINS: For details of drains see Standard Drawing G-200



Tar Paper: To be Commercial Grade Tar Paper or Roofing Felt approximately 1/16 thick.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

STANDARD CONCRETE BRIDGE
DECK GIRDER STRAIGHT
30 FT. SPAN 24 FT. ROADWAY

DRAWING No. G-228

DESIGNED BY: G.B.S.
DETAILED BY: G.B.S.
TRACED BY: H.E.S.
CHECKED BY: H.E.S.

DATE 8/31
REVISED
REVISED
REVISED
DATE
DATE
DATE