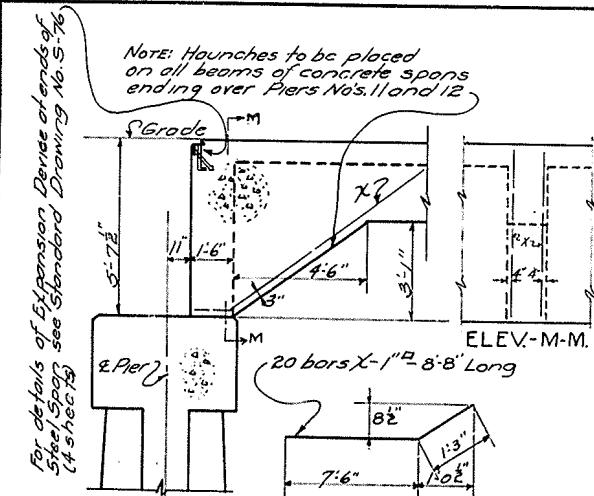


PART ELEVATION
110'-0" STEEL SPAN AND 16'-30" R.C. DECK GIRDER SPANS

TOTAL ESTIMATE OF QUANTITIES

SUBSTRUCTURE AND APPROACH SPANS		
Concrete, Class "A"	1662.6	Cu. Yds.
Concrete, Class "D"	60.8	Cu. Yds.
Reinforcement	298,020	Lbs.
Structure Excavation-Unclassified	3000	Cu. Yds.
Excavation (Channel Change)	See Road Plans	
SUPERSTRUCTURE		
Structural Steel	148,020	Lbs.
Concrete, Class "A"	71.9	Cu. Yds.
Steel Reinforcement	14,560	Lbs.



SECTION ON C SURVEY
(Showing Haunches over Piers No. 11 and 12)

ESTIMATE OF ADDITIONAL QUANTITIES
FOR SPANS NOS 11 AND 13

Concrete, Class "A"	11.3	Cu. Yds.
Reinforcement	590	Lbs.

ADDITIONAL DETAILS FOR DECK GIRDER SPANS NOS. 11 & 13

REFERENCES:

For details of 18'-0" R.C. Abutment No. 1 see Standard Drawing No. A-234.
 For details of 20'-0" R.C. Abutment No. 2 see Standard Drawing No. A-237.
 For details of 16'-0" R.C. Pier No. 1 see Standard Drawing No. A-107.
 For details of 18'-0" R.C. Piers Nos. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 16 see Standard Drawing No. A-107.
 For details of 20'-0" R.C. Piers Nos. 10 and 13 see Standard Drawing No. A-107.
 For details of 23'-0" R.C. Piers No. 11 and 12 see Sheet No. 2 of 2 of this drawing.
 For details of 30'-0" R.C. Deck Girder Spans Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17 see Standard Drawing No. G-228.
 For details of 30'-0" R.C. Deck Girder Spans Nos. 11 and 13 see Standard Drawing No. G-228, and Details on this sheet.
 For details of Handrails for Deck Girder Spans see Standard Drawing No. H-12.
 For details of Drains for Deck Girder Spans see Standard Drawing No. G-200.
 For details of 110'-0" R.C. Steel Span No. 12 see Standard Drawing No. S-76 (4 sheets).
 For Standard Expansion Details see Standard Drawing No. S-86.
 For Typical Handrail details for Steel Span see Standard Drawing No. S-47.

GENERAL NOTE

Specifications: State Highway Department, Kentucky, (1932 Standard with subsequent adopted amendments).
Concrete: Class "A" concrete to be used thruout except in Handrail and Posts. Class "D" concrete to be used in Handrail and Posts.
Steel Reinforcement: To be deformed bars. Dimensions shown from face of concrete are clear distances. Dimensions shown for bar spacing are the distances 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 all intersections. Precast mortar or concrete blocks supporting reinforcement shall be spaced not farther apart than 50 diameters of the supported bar.
Paint: Shop Coat on all Steel Work to be Red Lead or Basic Sulphate Blue Lead.
Standard Drawings: Notes or requirements shown on Standard Drawings called for shall be disregarded only in those portions which do not conform to the 1932 Specifications.
Expansion Joint Filler: All Filler used in preplaced expansion joints and Cast Iron Drains in Deck Girder Spans to be included in price bid for class "A" concrete.
Expansion Angles: Expansion Angles on Deck Girder Spans to be furnished by Contractor for Superstructure and placed by contractor for substructure. Contractor shall notify the Bridge Engineer at least 60 days in advance of the need of these Angles.
Foundations: Piers No. 11 and 12 designed for fine Sand Foundation, maximum pressure-3500 lbs. per sq. ft. All other Footings designed for soapstone or gravel foundation, maximum pressure-4000 lbs. per sq. ft.
Expansion Angles: Expansion Angles on Deck Girder were furnished and placed by Contractor for Substructure, and are not included in weight of Structural Steel on Superstructure.

S-47
 S-86
 S-76 (4 sheets)
 A-234
 A-237
 A-107
 G-200
 G-228
 H-12

Sheet 1 of 2
 Bridge over East Fork of Clark's River

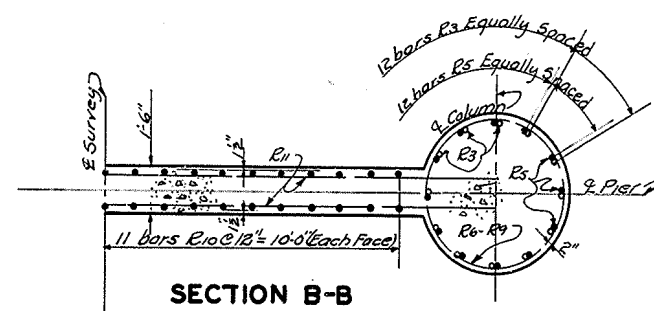
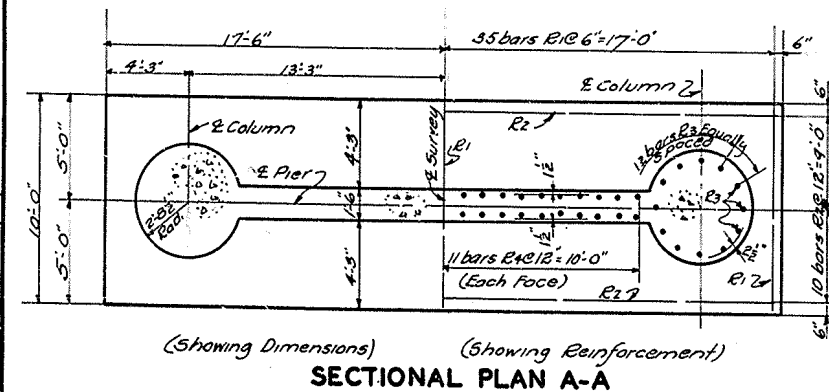
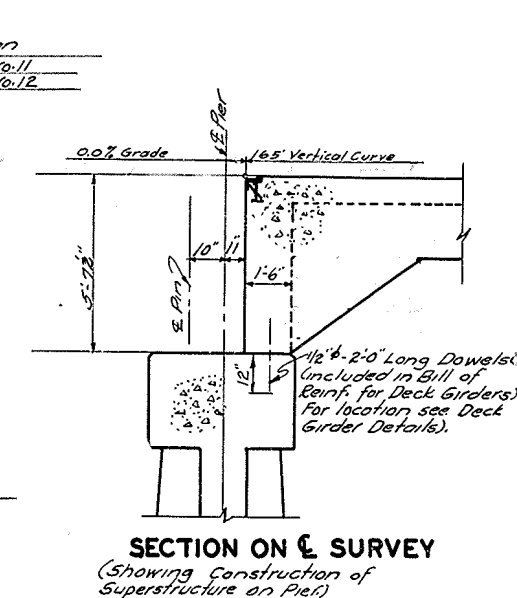
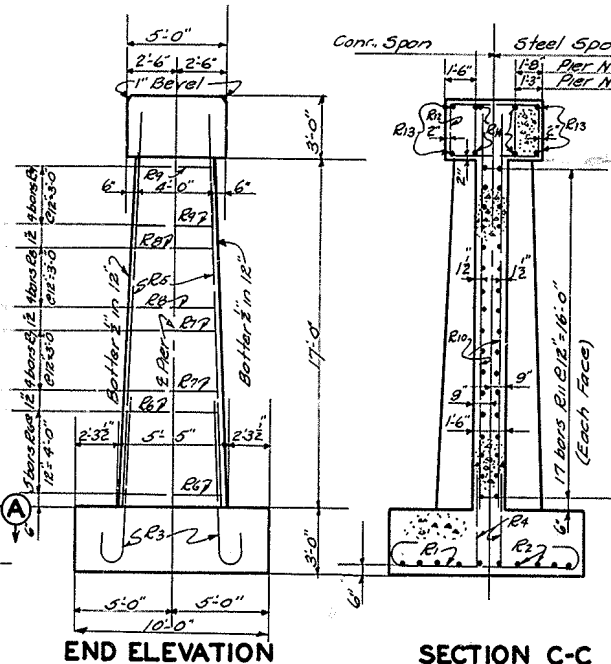
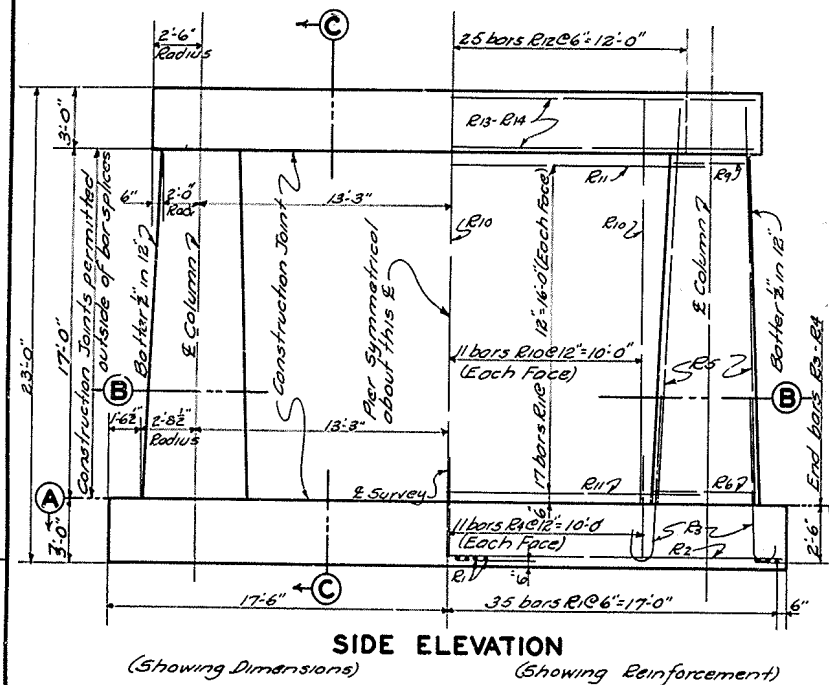
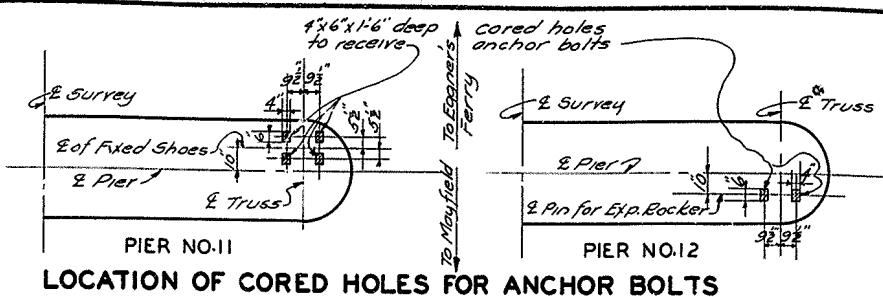
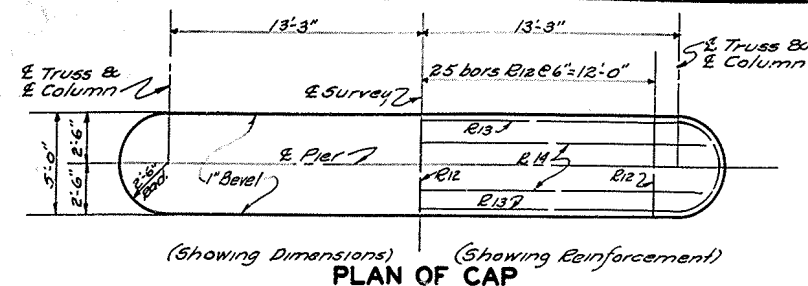
COMMONWEALTH OF KENTUCKY
 STATE HIGHWAY DEPARTMENT
 FRANKFORT
 COUNTY OF

MARSHALL
MAYFIELD-EGGNER'S FERRY

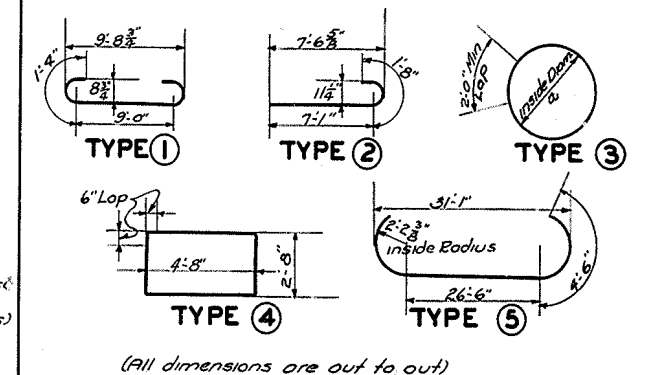
STATION 638+00 ROAD PROJECT NO.

MP 79-173-7
 5818

BRIDGE



BILL & TYPES OF REINFORCEMENT						(FOR ONE PIECE)	
Mark	Type	No.	Size	Length	Location	Ft	In
E1	①	69	7/8" #	11	Footings	—	—
E2	Str	10	"	34	"	—	—
E3	②	24	1 1/8" #	8	Dowels- Footings into Columns	—	—
E4	Str	42	5/8" #	5	" " " Web Wall	—	—
E5	"	24	1 1/8" #	19	Columns into Cap	—	—
E6	③	10	1/2" #	17	Columns	4	11 1/2
E7	"	8	"	16	"	4	6 1/2
E8	"	8	"	15	"	4	2 1/2
E9	"	8	"	12	"	3	10 1/2
E10	Str.	42	5/8" #	19	Web Wall into Cap	—	—
E11	"	34	"	26	Web wall	—	—
E12	④	49	1/2" #	15	Cap	—	—
E13	⑤	7	1 1/8" #	35	"	—	—
E14	Str.	4	"	28	"	—	—



ESTIMATE OF QUANTITIES
(FOR ONE PIER)

Concrete, Class "A"	98.5 Cu. Yds.
Reinforcement	9390. Lbs.

Sheet 2 of 2
Bridge over East Fork of Clark's River

COMMONWEALTH OF KENTUCKY
STATE HIGHWAY DEPARTMENT
FRANKFORT
COUNTY OF

MARSHALL

MAYFIELD-EGGNER'S FERRY

STATION 638+00.00 ROAD PROJECT NO.

MD 79-173-7

DATE 5818

PRICE

BRIDGE