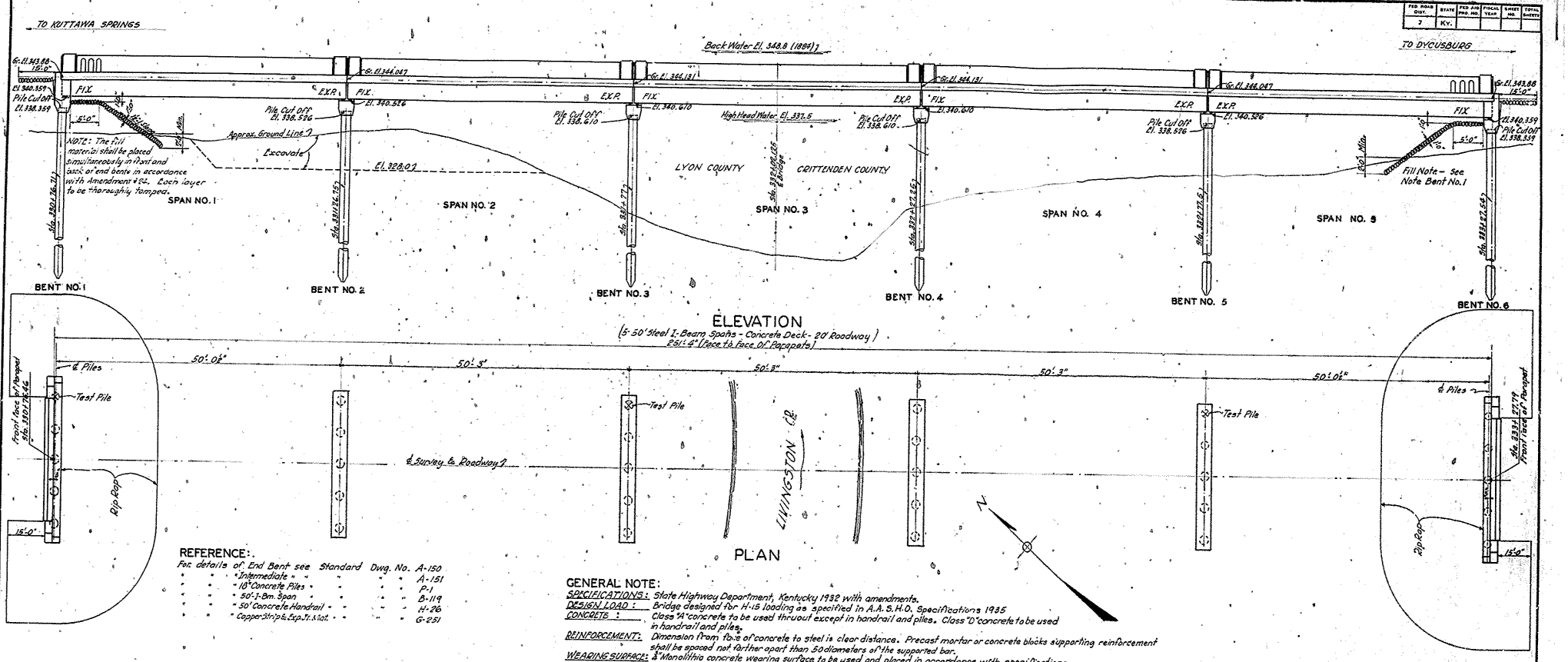
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	Ky.				



ELEVATION

(5-50' Steel I-Beam Spans - Concrete Deck - 20' Roadway)
2 at 4" (Face to Face of Parapets)

PLAN

REFERENCE:

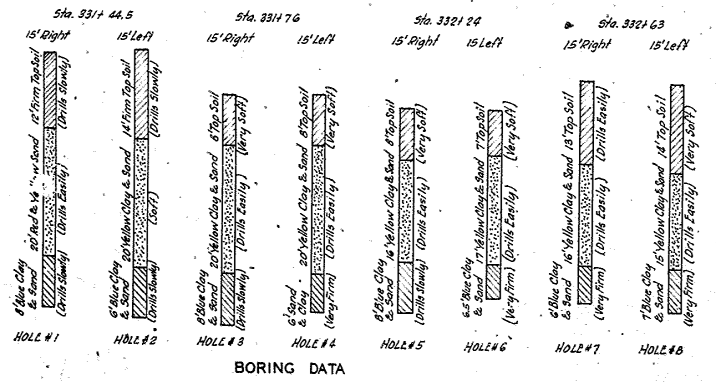
For details of End Bent see Standard Dwg. No. A-150
" " "Intermediate " " " " A-151
" " "18" Concrete Piles " " " P-1
" " "50'-I-Bm. Span " " " B-119
" " "50' Concrete Handrail " " " H-26
" " "Copper Strip & Exp. Jt. Mat. " " " G-251

GENERAL NOTE:

SPECIFICATIONS: State Highway Department, Kentucky 1932 with amendments.
DESIGN LOAD: Bridge designed for H-15 loading as specified in A.A.S.H.O. Specifications 1935
CONCRETE: Class "A" concrete to be used thruout except in handrail and piles. Class "D" concrete to be used in handrail and piles.
REINFORCEMENT: Dimension from face of concrete to steel is clear distance. Precast mortar or concrete blocks supporting reinforcement shall be spaced not farther apart than 50 diameters of the supported bar.
WEARING SURFACE: 2" Monolithic concrete wearing surface to be used and placed in accordance with specifications.
BEVELED EDGES: All exposed edges shall be beveled ¾" unless otherwise noted.
EXPANSION JOINT MATERIAL (COARSE STRIP): Cost of these items to be included in the unit price bid for class "A" concrete.
FOUNDRY NOTE: All castings to be gray iron castings A.S.T.M. Specifications A48-26 except that tensile and transverse tests are not required. Page T-521, report of field inspection of castings is to be submitted to the laboratory by the Resident Engineer.
PILING: Piles to be driven to refusal or to sustain a minimum load of 50 tons per pile. Concrete test piles to determine length of piling required shall be driven at locations shown on plans. Test piles shall be accurately located, so as to be used as bearing piles in the finished structure.
CONNECTIONS: All shop rivets to be ¾" rivets. All field connections to be ⅞" bolts turned down as shown on details Dwg. No. B-119
PAINT: All structural steel shall be given one shop coat of red lead or basic sulphate blue lead and two coats of white lead paint in accordance with the specifications.
COPY: Copy (in triplicate) of certified mill test reports, mill orders, and mill shipping statements on all structural steel to be furnished the Kentucky Department of Highways.
DRY RIP RAP: Bottom course of Rip Rap shall be embedded in undisturbed original soil. Cost of trench shall be included in the unit price for Rip Rap.
BORING DATA: The subsurface data shown hereon was obtained by borings at the locations indicated and represents the best information available to the Department of Highways as to conditions existing at the site of the work. This data is furnished for information only and bidders must drow their own conclusions as to conditions to be encountered. The Department of Highways does not give any guarantee as to the accuracy of data furnished or as to conditions which will actually be found to exist when the work is being executed.

TOTAL ESTIMATE OF QUANTITIES

CONCRETE, CLASS "A"	200.4	CU.YDS.
CONCRETE, CLASS "D"	20	CU.YDS.
REINFORCEMENT	37,350	LBS.
STRUCTURAL STEEL	178,850	LBS.
30 R.C. PILES, 18" (Approx. Length)	1,500	LIN. FT.
DRY RIP RAP	350	SQ. YDS.
CHANNEL CHANGE (See Road Plans)		



BORING DATA

BRIDGE OVER LIVINGSTON CREEK

G-251
H-26
B-119
P-1
A-150
A-151

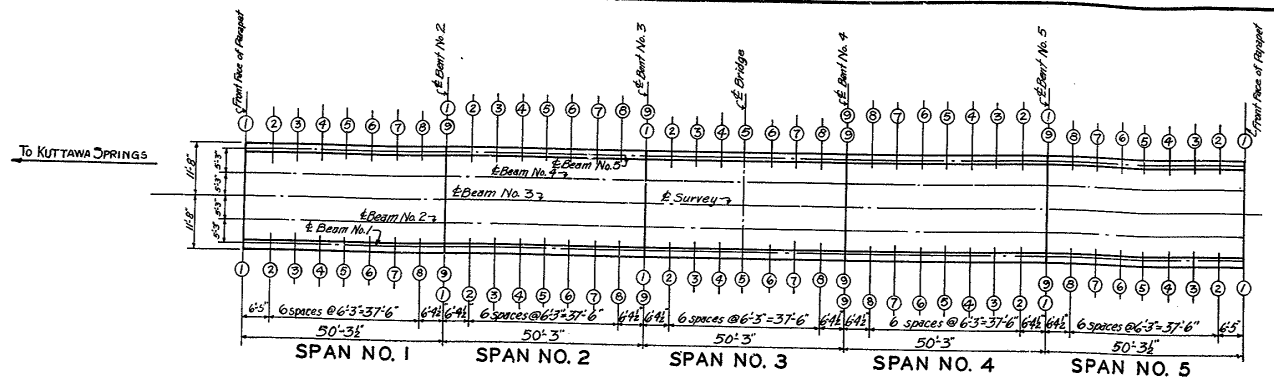
SHEET 1 OF 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LYON-CRITTENDEN
KUTTAWA SPRINGS-DYCUSBURG
ROAD
STATION 332+02.125 PROJECT NO.
MP 72-131-1 DRAWING No. 7035 SHEET

DESIGNED BY D.T.O. DATE 4-38
TRACED BY D.T.O. DATE 4-38
CHECKED BY E.R.S. DATE 4-38
REVISED DATE
REVISED DATE
REVISED DATE

BRIDGE

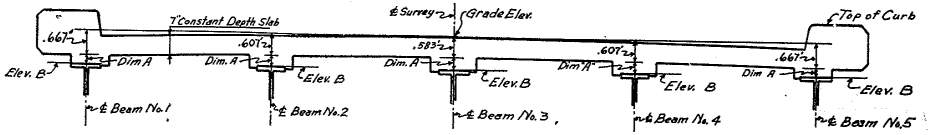
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	Ky.				



PLAN

CONSTRUCTION NOTE

Layout Sections 1-1 to 9-9 as shown.
Read Elevations on Tops of Beams as erected after bracing is in place and with falsework removed but before any Load is applied (Elev "B") Fill in Table below with Elevations "B".
Compute dimensions "A" as indicated.
Always measure from Top of Beam to Top of Slab for setting Templets (Dim. "A"+7")



TYPICAL CROSS SECTION

TABLE OF ELEVATIONS B AND DIMENSIONS A

SECTION	Grade Elevations	Beam No. 1 Elev. B	Beam No. 1 "A"	Beam No. 2 Elev. B	Beam No. 2 "A"	Beam No. 3 Elev. B	Beam No. 3 "A"	Beam No. 4 Elev. B	Beam No. 4 "A"	Beam No. 5 Elev. B	Beam No. 5 "A"
SPAN NO. 1											
1-1	343.867										
2-2	343.925										
3-3	343.962										
4-4	343.992										
5-5	344.016										
6-6	344.034										
7-7	344.045										
8-8	344.050										
9-9	344.047										
SPAN NO. 2											
1-1	344.047										
2-2	344.082										
3-3	344.108										
4-4	344.128										
5-5	344.142										
6-6	344.149										
7-7	344.150										
8-8	344.144										
9-9	344.131										
SPAN NO. 3											
1-1	344.131										
2-2	344.155										
3-3	344.171										
4-4	344.180										
5-5	344.184										
6-6	344.180										
7-7	344.171										
8-8	344.155										
9-9	344.131										
SPAN NO. 4											
1-1	344.047										
2-2	344.082										
3-3	344.108										
4-4	344.128										
5-5	344.142										
6-6	344.149										
7-7	344.150										
8-8	344.144										
9-9	344.131										
SPAN NO. 5											
1-1	343.88										
2-2	343.925										
3-3	343.962										
4-4	343.992										
5-5	344.016										
6-6	344.034										
7-7	344.045										
8-8	344.050										
9-9	344.047										

TABLE OF ELEVATIONS

Grade elevations shown include a camber equal to the deflection of the beams under the weight of floor slab only.

DESIGNED BY E.C.F. DATE 4-28 REVISED
TRACED BY E.C.Riley, Jr. DATE 4-28 REVISED
CHECKED BY E.R.S. DATE 4-30 REVISED
DATE
DATE

Bridge over Livingston Creek Sheet 2 of 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LYON-CRITTENDEN
KUTTAWA SPRINGS-DYCUSBURG ROAD
STATION 332+02.125 PROJECT NO.

NO.	SHEET
7035	

MP-72-131-1