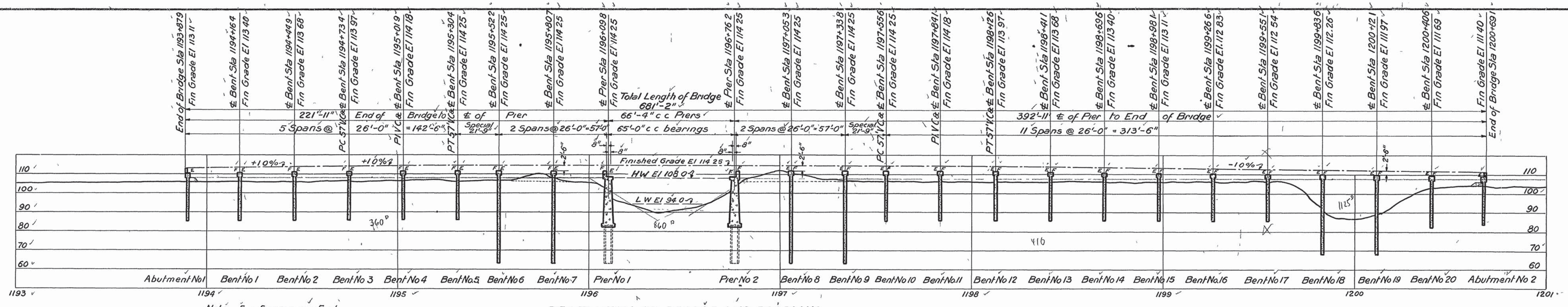
FED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
8	TENN.	36-B	19		

DRAINAGE AREA - 258.3 □M
= 165310 Acs
C = 1 8200 c.f.s.

PROVIDED. WATER AREA
Thru Bridge 2755 □
sta 1173 ℄ 2255
sta 1164 231
5241 □

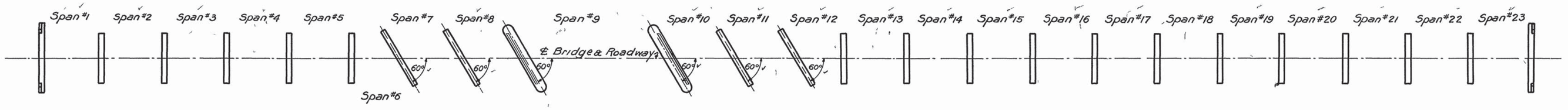
1 C = .64
Provided

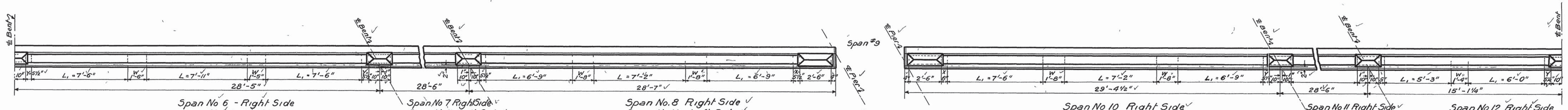
Total length 3 Bridges
681
228
124
933



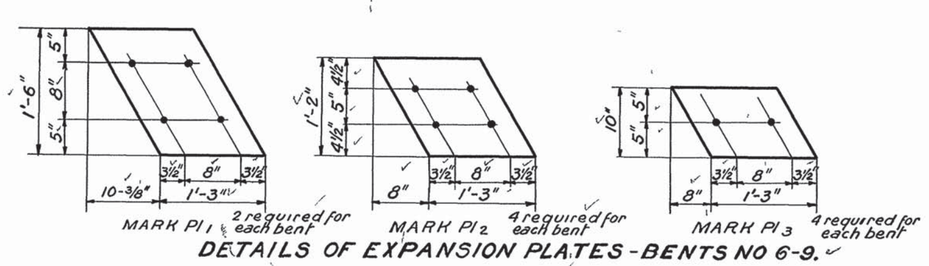
Note E = Expansion End
F = Fixed End

PROFILE ON ℄ OF BRIDGE AND ROADWAY.
Scale 1" = 30'



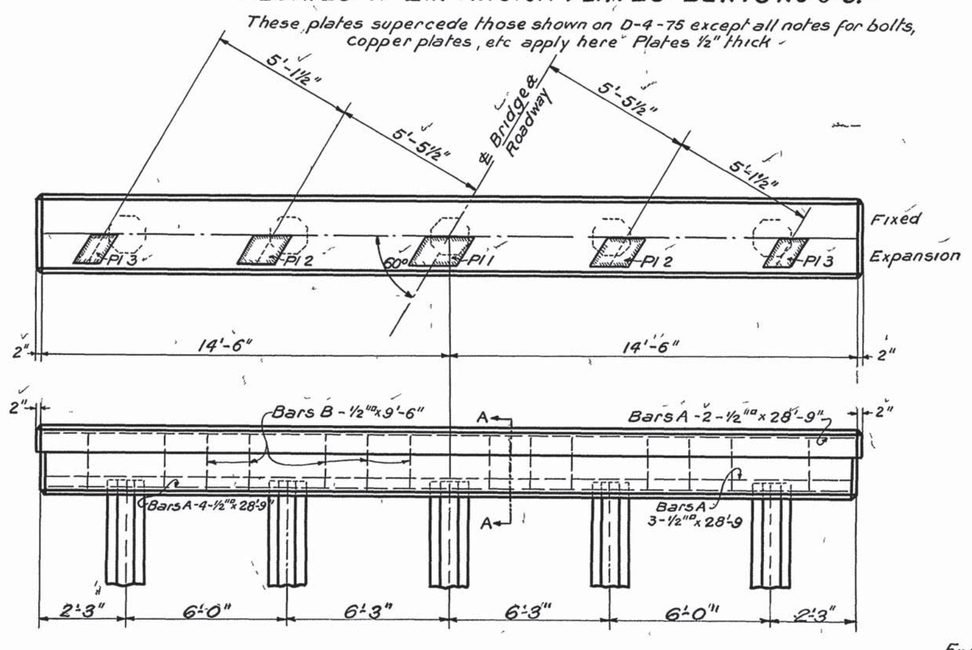


DETAILS OF RAIL VARYING FROM STANDARD.



DETAILS OF EXPANSION PLATES - BENTS NO 6-9.

These plates supercede those shown on D-4-75 except all notes for bolts, copper plates, etc apply here. Plates ½" thick

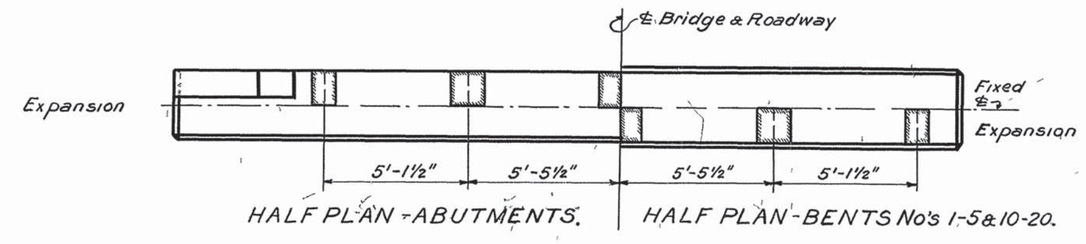


DETAIL OF BENTS No 6-9.
For details not shown see D-4-92.

ESTIMATED QUANTITIES

ITEM	Excavation Cu Yds Dry	Excavation Cu Yds Wet	Concrete Cu Yds 1 2 3	Concrete Cu Yds 1 2 4	Concrete Cu Yds 1 2½ 5	Steel Lbs Reinf	Steel Lbs Struc	Steel Lbs Cast	Timber Piles Lineal Feet Pile	Timber Piles Lineal Feet Pene	Concrete Piles Lineal Feet Pile	Concrete Piles Lineal Feet Pene	Riprap Cu Yds
SUPERSTRUCTURE													
STEEL SPAN				38.50		5019	54250	1312					
CONCRETE SPANS			83.39	697.78		154156	7436						
ABUTMENT NO 1				7.77		436					161	158	330
BENT NO 1				5.74		319					115	100	
BENT NO 2				5.74		319					115	100	
BENT NO 3				5.74		319					115	100	
BENT NO 4				5.74		319					115	100	
BENT NO 5				5.74		319					115	100	
BENT NO 6				6.97		357					230	215	
BENT NO 7				6.97		357					230	215	
PIER NO 1	117	153			143.23	688			560	532			
PIER NO 2	205	153			143.23	688			560	532			
BENT NO 8				6.97		357					230	215	
BENT NO 9				6.97		357					230	215	
BENT NO 10				5.74		319					115	100	
BENT NO 11				5.74		319					120	100	
BENT NO 12				5.74		319					120	100	
BENT NO 13				5.74		319					115	100	
BENT NO 14				5.74		319					115	100	
BENT NO 15				5.74		319					115	100	
BENT NO 16				5.74		319					115	100	
BENT NO 17				5.74		319					115	100	
BENT NO 18				5.74		319					230	150	
BENT NO 19				5.74		319					230	140	
BENT NO 20				5.74		319					125	100	
ABUTMENT NO 2				7.77		436					161	158	330
TOTALS	322	306	83.39	871.54	286.46	167955	61686	1312	1120	1064	3332	2865	660

Notes:
For detail of handrail see Drawing D-4-95. Also detail on this sheet.
For detail of span No 1-5 & 13-23 see Drawing D-4-75 Standard Concrete Deck Girders Span 26'-0", Roadway 20'-0"
For detail of Span No 6 & 12 see Drawing D-5-46
For detail of Spans No. 7, 8, 10 & 11 see Drawing D-4-75, Standard Concrete Deck Girders, Span 26'-0", Roadway 20'-0" Build according to Standard plan, but on a skew of 60° R as shown Bars A & B in slab to be placed at right angles to ℄ of roadway and cut off to fit skew
For detail of span No 9 see Drawing D-4-86 Standard 65'-0 Truss, Roadway 20'-0".
Surfacing on bridge to be 2" of 1:2 4 concrete poured monolithic with slab
For detail of abutments No 1 & 2 see Drawing D-4-100
For detail of piers No 1 & 2 see Drawing D-5-47
For detail of bents No 1-5 & 10-20 see Drawing D-4-92 Roadway 20'-0".
Bents No 6-9 are detailed on this sheet.



HALF PLAN - ABUTMENTS. HALF PLAN - BENTS No's 1-5 & 10-20.

DETAIL SHOWING LOCATION OF BEARING PLATES.

Note
For detail of Expansion Plates see D-4-75.

General Notes
Specifications - Standard Bridge Specifications of the Tennessee Department of Highways.
Concrete in piers shall be 1 2½ 5 mixture, coarse aggregate ¼" to 2½"
Reinforcing steel shall be deformed bars of structural steel or intermediate grade made by the O.H. process
Timber piles shall be 20' long and untreated
Concrete piles to have a penetration of 20'-0" except those in bents No 6, 7, 8, 9, 18 & 19, which shall be 46'-0" long
Forms - See Specifications
Finish - See Specifications

STATE OF TENNESSEE
DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS
NASHVILLE

LAYOUT OF BRIDGE

STA 1193 + 87.9

SHELBY CO.

CORRECT [signature] BRIDGE ENGINEER
APPROVED [signature] ASSISTANT STATE HIGHWAY ENGINEER

DESIGNED BY	F. Greene	DATE	11-2-25
DRAWN BY	F. Greene	DATE	11-2-25
TRACED BY	[signature]	DATE	11-9-25
CHECKED BY	A. R. Jessup	DATE	11-8-25

D-5-45

MICROFILMED

Spacing of Concrete Piles revised 12-4-25 by F. G. Revision checked by ARJ