

DRAIN DETAIL

NOTE: (N_0) denotes the number of Required Bars in adjacent similar Section of Bridge.

Technical drawing of a bridge deck cross-section. The drawing shows a symmetrical structure with a central roadway and side slopes. Key dimensions and labels include:

- Top Dimensions:**
 - Left side: 1'-10" (total width), 14" in 5' (slope), 17'-0" (crown width).
 - Center: 43'-8" O.F.O. (Overall Footing Offset).
 - Right side: 22'-0" (crown width), 14" in 5' (slope), 2'-10" (total width).
- Internal Dimensions:**
 - 12' Circular crown in 12'-0" (center section).
 - 12' circular crown in 12'-0" (center section).
 - Bottom of sheet abridge (bottom section).
- Structural Details:**
 - 2" Crown (top reinforcement).
 - 16" cl. (center line).
 - 12" Open joint (center joint).
 - 4" Crown (bottom reinforcement).
 - 16" cl. (center line).
 - 2'-6" (bottom reinforcement).
 - 2'-6" (bottom reinforcement).
 - Elev. 624.31 (elevation).
 - 4 bars in drop beam (bottom reinforcement).
- Labels:**
 - a₁, a₂ (top reinforcement).
 - a, a₃, b (top reinforcement).
 - b₃ (bottom reinforcement).
 - b₁ (bottom reinforcement).
 - b₂ (bottom reinforcement).
 - g (bottom reinforcement).

SECTION NEAR PIER
(Dimensions @ Rt. Angles to $\perp$ Roadway)

ELEVATION

2 3/4"

17'-1 1/2" along skew

4"

22'-1 1/2" along skew

6"

Roadway $\perp$

L-4" x 4" x 1/2"

Gutter

1/2" + 0.0" @ $\pm 2'-0"$ c.c. throughout to release trapped air.

4" go

PLAN

EXPANSION GUARDS

Gutter Line

BILL OF MATERIAL

BAR	N ^o	SIZE	LENGTH	SHAPE
a	64	#10	24'-0"	
a ₁	60	#10	19'-4"	
a ₂	30	#10	17'-8"	
a ₃	32	#10	29'-0"	
a ₄	54	#10	19'-0"	
a ₅	50	#10	10'-6"	
a ₆	54	#5	13'-0"	
a ₇	27	#5	11'-0"	
a ₈	14	#8	22'-0"	
a ₉	7	#8	26'-6"	
b	86	#5	17'-0"	
b ₁	172	#5	2'-3"	
b ₂	134	#5	23'-0"	
b ₃	48	#5	18'-0"	
b ₄	8	#5	18'-9"	
b ₅	8	#5	24'-9"	
c				
d				
e	72	#4	8'-0"	
f	72	#4	6'-0"	
u	180	#4	3'-6"	
Class X Concrete			Cu Yds.	141.5
Reinforcement Bars			Lb.	34,500
Structural Steel			Lb.	1,110

* Includes Expansion Guard on Deck only.

(North Bridge Similar when rotated through
180°)
about E Median Sta 80+02.50

DESIGNED	L.D. Winn	EXAMINED	JAN 15 1960 M. J. McManis
CHECKED	Emory G. Strickland	PASSED	ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES Ed. L. Harnett
DRAWN	L.D.W. (Gabor Papp) J.L. Armstrong	APPROVED	CHIEF ENGINEER OF DESIGN R.F. Bartholomew
CHECKED	E.S.		

SECTION AT ABUTMENT

FOR INFORMATION ONLY
SUPERSTRUCTURE
FAI. RT. 80 SEC. 06-1B-1
BUREAU COUNTY
STA. 80+02.50

Revised 3-14-62-WJL	In SECTION AT ABUTMENT SUPPORTING THE PIER, I added notation that "Watched area shall not be poured until approved by the Engineer."	Revised 4/1/62	In Expansion Girder Detail changed the depth for the 1st girder on 19990 to 42" and added of 42" g.	In Sect AT ABUT. STUHS, modernized
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