

FILE NO.	DATE	REV.	BY	CHK.	APP.
ARK.					
200	10055				

• Denotes Boring Location

Note: Use Type "Z" Bridge Approach Slab
Butters. Quantities included in
Highway Portion. For Details see
Dwg. No. 1098 B

- Notes:
1. Roadway cross slope (0.0139%) and shoulder cross slope (0.0087%) in the approach slabs.
 2. Roadway elevations shown are at Bridge.
 3. Vertical dimensions are (1) from Bridge to Bent to low side of cap and (2) from low side of cap to bottom of footing.
 4. Vertical dimensions (1) (See note 2 above) include 6" for bearing pads.
 5. Omit Drains in spans of each bridge only.
 6. Use Type "B" Bearings as detailed on Dwg. No. 1499A.
 7. No sole plate thickening or beam build ups required for these bridges.

GENERAL NOTES

Specifications:
Arkansas State Highway Commission Standard Specifications
for Highway Construction adopted Dec. 9, 1959.

Design Loading:
HS20 A.A.S.H.O. 1961 Special Interstate Loading:
2-24,000 lbs. Axles @ 4'-0" Cts.

Allowable Stresses:
Class A Concrete (n=15) 840 psi.
Class S Concrete (n=10) 1200 psi.
Reinforcing Steel 20,000 psi.
Structural Steel (A-36) 20,000 psi.

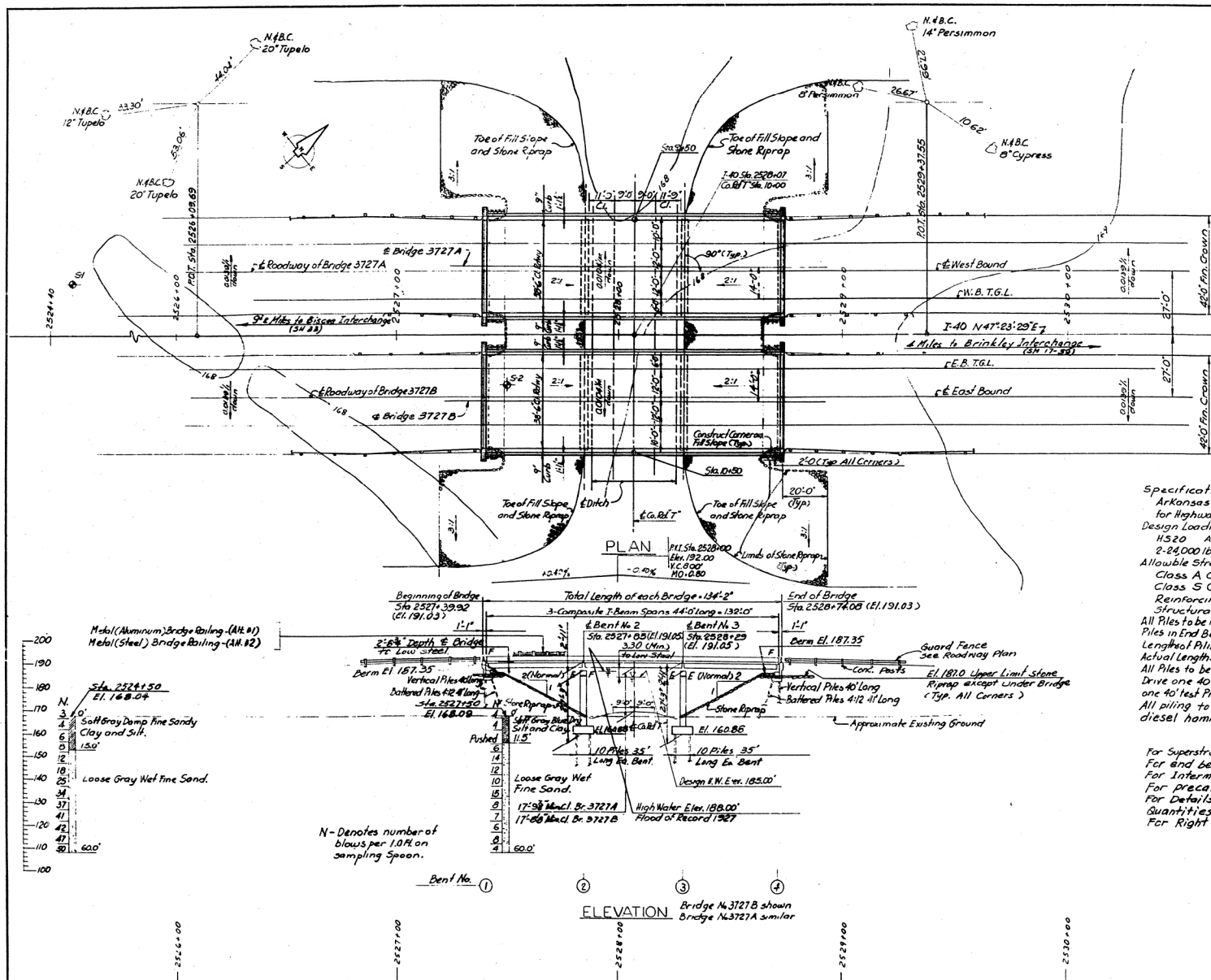
All Piles to be 16" Octagonal Precast Concrete Piles.
Piles in End Bents to be driven after the embankment in place.
Length of Piling shown are for Estimating purposes only.
Actual Lengths to be determined in the field.
All Piles to be driven to a minimum bearing of 36 tons/pile.
Drive one 40' test pile in Bent No. 2 Bridge No. 3727A and
one 40' test pile in Bent No. 3 Bridge No. 3727B.
All piling to be driven with an approved air, steam or
diesel hammer

REFERENCES

For Superstructure details see Dwg. No. 15050 & 14990A
For end bent details see Dwg. No. 15051
For intermediate bent details see Dwg. No. 3727-2
For precast concrete pile details see Dwg. No. 2382
For details of Stone riprap see "Summary of Bridge
Quantities" Sheet UT 8
For Right of Way see Roadway Plan.

ARKANSAS STATE HIGHWAY COMMISSION			
LITTLE ROCK, ARKANSAS			
INTERSTATE ROUTE 40		SECTION 4	
LAYOUT OF BRIDGES OVER RELOCATED COUNTY ROAD "T"			
BRIDGE NO. 3727 A 3727 B	SCALE 1"=20'-0"	BLANVELT ENGINEERING CO.	
	DATE	CONSULTING ENGINEERS	
DRAWING NO. ST3-1			

AHDT 379.69



N - Denotes number of
blows per 1.0 ft on
sampling spoon.

Bent No. 1

ELEVATION

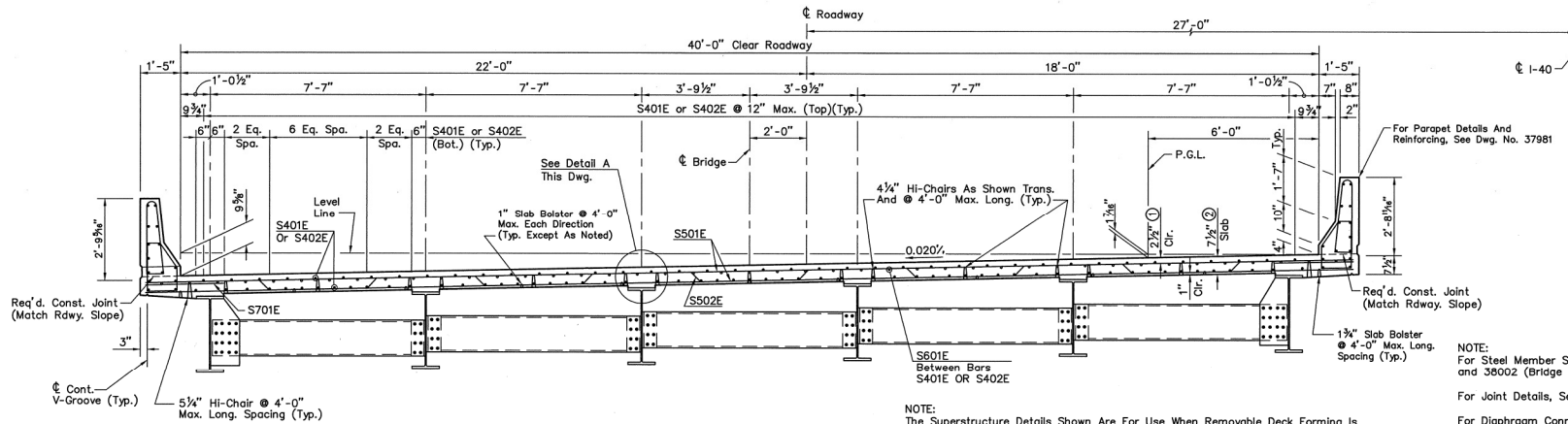
Bridge No. 3727B shown
Bridge No. 3727A similar

In Charge of L.H.C.
L.H.C.
Treated by
Checked by J.H.H.

MICROFILMED
OCT 15 1958

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	REV. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK			
						R10055	64	116

① A&B 3727 & A&B 3731 TYP-SEC. 37980



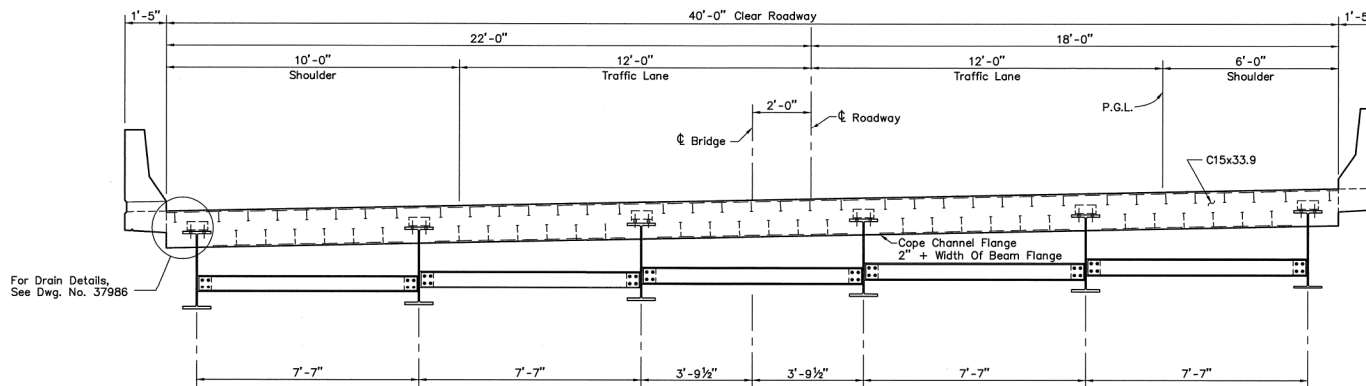
SLAB REINFORCING:

TRANSVERSE: S501E @ 12" In Top & Bottom
S502E @ 12" Bent Up Over Beams
S701E (See Plan For Placement)
LONGITUDINAL: S401E & 402E In Top (Placed As Shown - 12" Max. Spa.)
S401E & 402E In Bottom (Placed As Shown)
S601E or S602E In Top
(Placed As Shown - 12" Max. Spa.) (Over Int. Supports)

TYPICAL SECTION

Scale: 1/2" = 1'-0"
Looking Ahead Bridge A
Bridge B Sym. About C-140

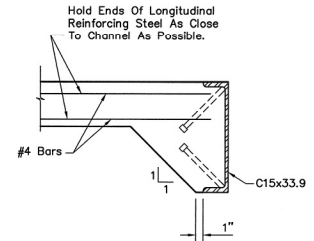
- ① Tolerance Minus: 1/4"
Plus: Equal To Amount Of Slab Thickening Used To Meet Slab Thickness Tolerance - See Typical Haunch Detail.
② Refer To Typical Haunch Detail



SECTION AT JOINT

Scale: 1/2" = 1'-0"
Looking Ahead Bridge A
Bridge B Symmetrical
About C-140

Note: Refer To Dwg. No. 37986
For Joint Details.



SLAB END DETAILS

NOTE: For Anchor Stud Details,
See Dwg. No. 37986

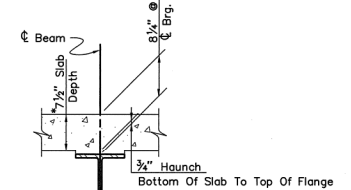
NOTE:
For Steel Member Sizes, See Dwg. Nos. 37979 (Bridge 3727)
and 38002 (Bridge 3731).

For Joint Details, See Dwg. No. 37986.

For Diaphragm Connection Details, See Dwg. No. 37985.

Class 1 Protective Surface Treatment Shall Be Applied To The Roadway
Surface And To The Face And Top Of Parapet.

At The Contractors Option, In Lieu Of Providing Bars S502E, Two #5 Bars
May Be Substituted With The Bars Epoxy Coated. Payment For Reinforcing
Will Be Based On The Weight Of Bars S502E.



DETAIL 'A'

Haunch Is Required. Slab May Be Thickened And/Or
The Haunch Thickened To Maintain Slab Tolerance.

*Thickness As Detailed On Roadway Section. Tolerance
Is Minus 1/4" And Plus 1/2".

Note: No Increase In Concrete And Structural Steel Quantities
Will Be Made To Meet Slab Tolerances.



ENGSTROM/MODJESKI AND MASTERS CONSULTING ENGINEERS			
TYPICAL SUPERSTRUCTURE SECTION			
BRIDGE A&B 3727 BRIDGE A&B 3731			
MONROE COUNTY INTERSTATE ROUTE 40 SEC. 43 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.			
DRAWN BY: DHH	DATE: 11/96	SCALE: 1/2" = 1'-0"	
CHECKED BY: MMW/GPS	DATE: 1/97		
DESIGNED BY: GPS	DATE: 9/94		
BRIDGE NO. A & B 3727 A & B 3731	DRAWING NO. 37980		

ABMB ENGINEERS, INC.