

OR R/W DATA - SEE ROWY PLANS For Details of Approach Slabs and Gutters @ Both Ends Of Bridge; SEE DWG. NOS. 29975 & 29976.

DATE REVISION	DATE FILLED	DATE REVISED	DATE FILLED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.
11/7/89	12/7/89			6	ARK.	
				JOB NO.	R10005	

① 2673R & AR - LAYOUT - 2

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway Transportation Department Standard Specifications for Construction, 1988 edition, with applicable supply specifications and special provisions.

DESIGN SPECIFICATIONS: AASHTO Standard Specification Highway Bridges, 1983 with current interim specifications.

LIVE LOADING: HS20 METHOD OF DESIGN: Load Factor

DETAIL DRAWINGS: DRAWING NO.

Bents	29960-29970
Spans	29971-29973
Staged Construction Sequence	29944
Embankment Construction	1800A
Concrete Bearing Piling	2303
Guard Rail Connection	68-8 & GR-8
Type C Bridge Name Plates	2309A
Approach Slabs	29976
Approach Gutters	29975
Median Parapet Rail Repair	29974
Temporary Precast Barriers	1896B

BOILED LINSEED OIL: Boiled linseed oil treatment shall be to the roadway surface and to the face and top of the parapet rail (New construction only).

BRIDGE DECK: The concrete bridge deck shall be given finish as specified for final finishing in subsection 802.1 Class 5 Bridge Roadway Surface Finish (New construction on

CONCRETE PILING: Piling for Bents 1 through 5 shall be octagonal precast concrete and shall be driven with an air, steam, or diesel hammer to a minimum bearing of 44 to pile. Drive all piles to a minimum penetration of 20' natural ground. Lengths of piling shown are assume estimating quantities only. Actual lengths to be determined by field.

The proposed work for bridge 2673R consists of widening the side of the bridge; removing some existing approach slabs; adding new approach slabs; adding new gutters; adding new gutters; modifying all existing bents; removing and replacing part the median rail. See Job Special Provisions.

The contractor shall make check measurements of the bridge and make adjustments necessary to fit the new work structure.

All existing material not used in the finished structure become the property of the contractor.

For maintenance of traffic, see Job Special Provisions Stage Construction Sequence on Drawing No. 29944

Half-size sheets of the existing bridge may be obtained request to the Bridge Division of the Arkansas State Highway Transportation Department.

* In lieu of using 16" octagonal precast concrete piling square precast concrete piling may be used. New shapes shall not be mixed.

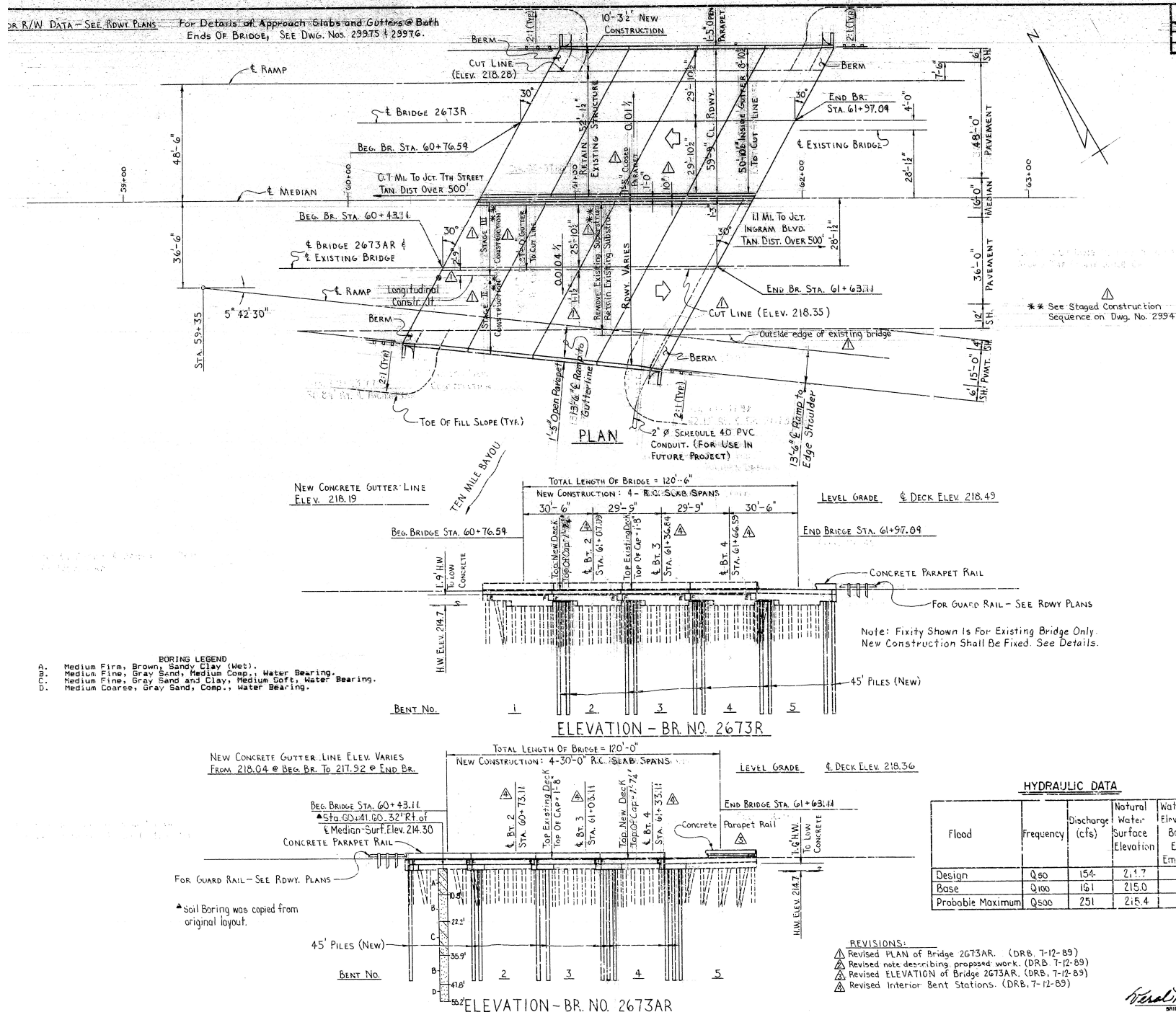
The proposed work for bridge 2673R consists of removing existing superstructure; adding a new superstructure; all existing approach slabs and gutters; adding new slabs and gutters; modifying all existing bents. See Job Special Provisions.

LAYOUT OF BRIDGE OVER TEN MILE BAYOU WEST MEMPHIS INTERCHANGE - 1-5

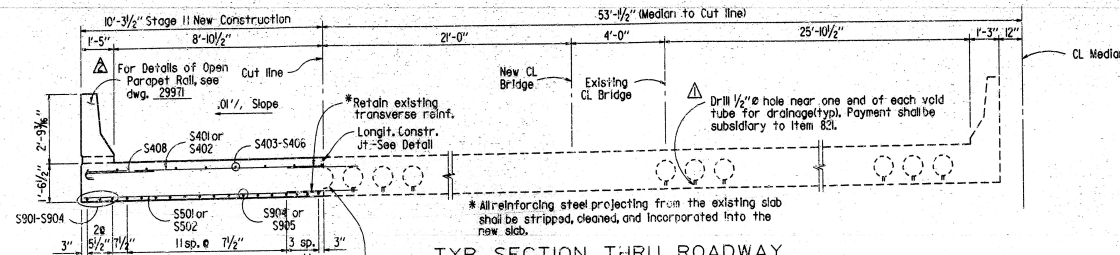
CRITTENDEN COUNTY
ROUTE 1-408 SEC. 52
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DRB DATE: 10-13-87
CHECKED BY: D.H.P. DATE: 1-16-88
DESIGNED BY: DRB DATE: 10-13-87

BRIDGE NO. 2673R & AR DRAWING NO. 299



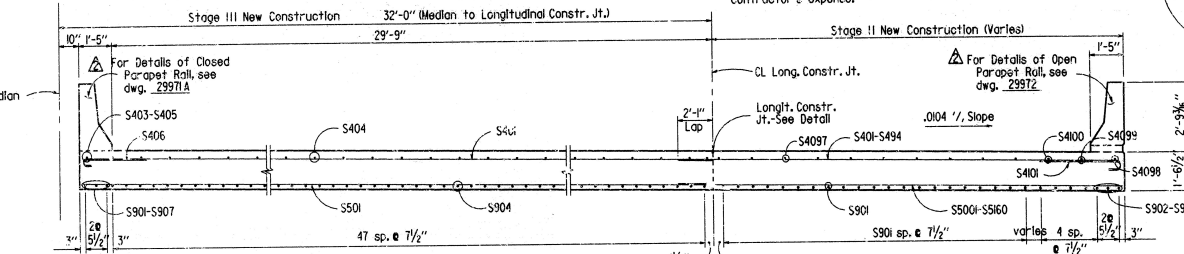
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.
1-24-89	5-15-2-13-89			6	ARK.	
7-12-89	9-15-1-24-90					
				JOB NO.	RD0008	
				2673 R & AR SPAN		



TYP. SECTION THRU ROADWAY

(Looking Forward - Bridge 2673 R)

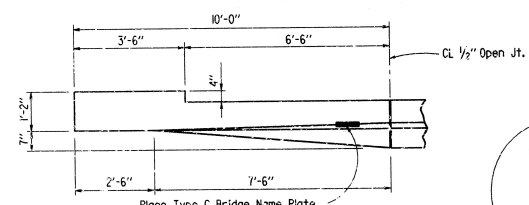
Note: Care shall be taken to avoid damage to the existing steel to be retained. If two or more adjacent bars or two bars separated by only one bar are broken in the concrete removal process, replacement dowel bars shall be drilled and grouted in place at the contractor's expense.



TYP. SECTION THRU ROADWAY

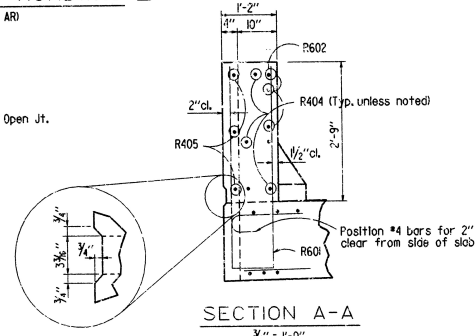
(Looking Forward - Bridge 2673 AR)

Note: Balled Linseed Oil Treatment shall be applied to the new roadway surface and the face and top of the new concrete parapet rail and transition rail.



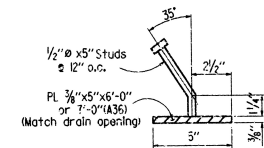
PLAN-TYP. TRANSITION RAIL

1/2" = 1'-0"



SECTION A-A

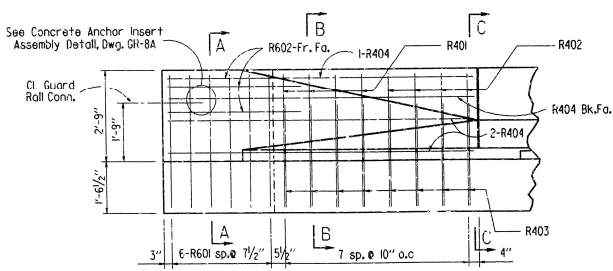
3/4" = 1'-0"



DETAIL Z

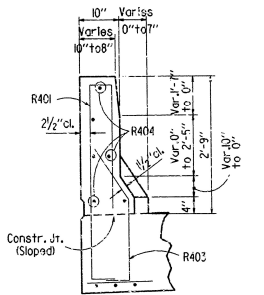
Note: Parapet Studs shall be 5" long, granular flux filled, solid fluxed, or equal, and automatically end welded to the plate. Studs and plate shall meet the requirements of Section 807. Studs and plate shall be measured and paid for as Class SIAE Concrete.

The surfaces of the 3/4" Plates which will not be in contact with concrete shall receive two coats of paint in the shop. These coats shall be those specified as Shop Prime Coat and Finish Coat in Subsection 807.58. Painting will not be paid for directly, but will be included in the item of Class SIAE Concrete.



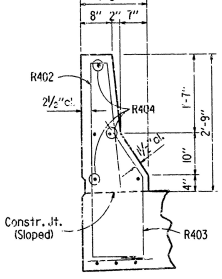
FRONT ELEVATION OF TRANSITION RAIL

1/2" = 1'-0"



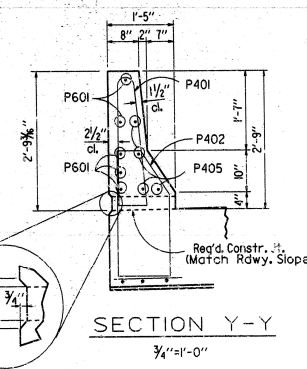
SECTION B-B

3/4" = 1'-0"

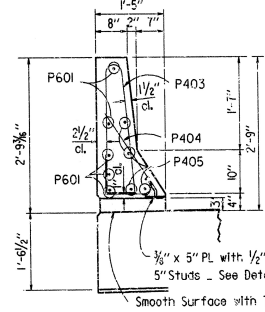


SECTION C-C

3/4" = 1'-0"

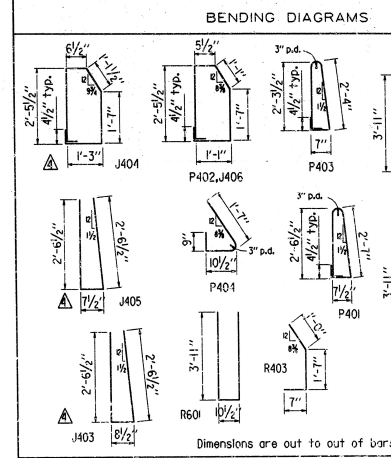


SECTION Y-Y



SECTION X-X

3/4" = 1'-0"



Longitudinal Constr. Joint

1/4" x 1" Type 6 Joint Sealer. See Sections 501.03 (b) & 501.04 (j) of the Standard Specifications.

span being poured

slope slab

varies along span due to cam

span in place

LONGITUDINAL CONSTRUCTION JOINT

No Scale

GENERAL NOTES

All concrete shall be Class SIAE. All exposed corners to be chamfered 1/4" unless otherwise noted. 28 day compressive strength of Class Concrete = 4000 psi.

Reinforcing Steel to be ASTM A615 or A617, Grade 60.

Bar supports for reinforcing bars will not be paid for directly, but are considered subsidiary to the item "Reinforcing Steel".

Structural Steel shall be measured and paid for as Class SIAE Cor.

Elastomeric Pad and Poured Joint shall be measured and paid for as SIAE Concrete. Elastomeric material shall meet the requirements of 808.02 of the Standard Specifications and shall be in one piece full width and length of the bearing.

Specifications: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, 1988 edition, with applicable Supplemental Specifications and Special Provisions.

Design Specifications: AASHTO Standard Specifications for Highway Bridges, 1983 edition, with current Interim Specifications.

Design Live Loading: HS20 Method of Design: Load Factor

Dead Load: 266 #/sf (Includes 24 #/sf future surfacing).

Live Load: J14 #/sf + Impact

- Revised: Added Note, 1-24-88, MEC
- Revised: Added Note, 7-12-89, LM
- Revised: Typ. Sect. 1, r.u. Rdwy.- Br. 2673 AR, 7-12-89, LM
- Revised: Added Bending Diagrams, 7-12-89, LM

COMMON DETAILS FOR R.C. SLAB SPAN FOR BRIDGES 2673AR & 2673R ON TEN MILE BAYOU

ROUTE 100 SEC. 5

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: L.M. DATE: 7-19-88

CHECKED BY: D.L.C. DATE: 12-12-88

DESIGNED BY: D.H.P. DATE: 7-6-88

BRIDGE NO. 2673 R & AR DRAWING NO. 29973

BRIDGE ENGINEER