



DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
REVISED	REVISED	REVISED	REVISED	REVISED	REVISED	REVISED	REVISED	REVISED	REVISED

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1993 EDITION, WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS ARKANSAS STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1993 EDITION, WITH CURRENT INTERIM SPECIFICATIONS.

LINE LOADS: HS20

SEISMIC PERFORMANCE CATEGORY: A

METHOD OF DESIGN: Load Factor

MATERIALS AND STRENGTHS:

Class 5A Concrete (Superstructure) f'c = 4,000 psi

Class 5 Concrete (Substructure) f'c = 3,500 psi

Reinforcing Steel (A615 or A617, GR. 60) fy = 60,000 psi

BORING LOGS: Boring logs may be obtained from the Programs and Contracts Division.

CONCRETE PILING: Piling for Bents and Abutments shall be 16" octagonal or 14" square precast concrete and shall be driven to a minimum safe bearing capacity of 44 tons per pile. Piling shall be driven in Bents 2 through 10 shall be 16" square precast concrete and shall be driven to a minimum safe bearing capacity of 66 tons per pile. Piling shall be driven with an approved driving or clean hammer. Piling in abutments shall be driven after embankment to bottom of cap is in place. Pile tips for Bents 2 thru 10 shall be driven to Elev. 24.0 or lower. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Drive one 40' test pile in Bent 1, one 50' test pile in Bent 3, and one 50' test pile in Bent 10.

BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for final finishing in subsection 802.20 for Class 5 Bridge Roadway Surface Finish.

BOILED LINSEED OIL: Boiled linseed oil treatment shall be applied to the roadway surface and to the face and top of the concrete parapet rail.

DETAIL DRAWINGS:

DRAWING NO.

End Bents 33924

Intermediate Bents 33925

35' R.C.D.G. Spans 33926-33928

Concrete Piling 2183

Type 1 Bridge Name Plate 2399A

Embankment Construction 4858A

Dumped Riprap and Filter Blanket 4859

Excavation for Structures 4860

Type 2 Approach Gutters 208C & 207

EXISTING BRIDGE: The existing bridge No. 1650 dog mile 7.671 is 27' wide and 287' long and consists of timber superstructure supported by timber pile bents. The existing bridge is located approximately 45' upstream from the centerline of the new bridge.

REMOVAL AND SALVAGE: After the new bridge is completed and open to traffic, the existing bridge No. 1650 shall be removed in accordance with section 205 of the Standard Specifications. All material from the existing bridge shall become the property of the contractor.

Boring Legend

A-Asphalt Pavement

B-Moist, Soft, Brown and Gray Sandy, Silty Clay with Organic Matter

C-Moist, Medium Stiff, Gray and Brown Sandy, Silty Clay with some Organic Matter

(Wood)

D-Moist, Loose, Gray Silty Sand

E-Wet, Very Soft, Gray Sandy, Silty Clay

F-Wet, Medium Dense, Gray Sand with Traces of Pea Gravel

G-Wet, Loose, Gray Sand and Gravel

H-Wet, Soft, Gray Clay with Sand Seams

J-Wet, Very Stiff, Gray Sandy, Silty Clay

K-Moist, Very Hard, Gray Sandy, Silty Clay

L-Moist, Very Dense, Gray Sand

M-Wet, Very Dense, Gray Sand with Traces of Clay and Lignite

N-Moist, Loose, Brown Sand and Gravel

O-Moist, Soft, Gray and Brown Sandy, Silty Clay

P-Moist, Soft, Gray and Brown Sandy, Silty Clay with some Organic Matter

Q-Moist, Stiff, Brown and Gray Sandy, Silty Clay

R-Wet, Loose, Brown Silty Sand

S-Wet, Very Loose, Gray Silty Sand

T-Wet, Loose, Gray Sand with Traces of Pea Gravel

U-Wet, Loose, Gray Sand

V-Moist, Stiff, Gray Sandy, Silty Clay with some Lignite

W-Wet, Very Dense, Gray Sand with Clay Seams and Traces of Gravel

X-Wet, Very Dense, Gray Sand

Y-Wet, Very Dense, Gray Sand with Clay Seams

LAYOUT OF
BRIDGE OVER HORSEHEAD CREEK
COLUMBIA COUNTY
MAY 1992
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE ENGINEER
No. 1779

DESIGNED BY: JAC
CHECKED BY: JAC
DATE: 5-17-92
DATE: 5-17-92
SCALE: 1"=20'

BRIDGE NO. 6536
DRAWING NO. 33929

① 6535 & 6536 -SPAN DTLS.- 33926



All Joints shall be cleaned by sandblasting or other approved method before pouring joints.

No Scale

Note: Detail shown at Exp. Joint. Fixed Joint same except eliminate Preformed Joint material.



Note: For location of Fix and Exp. Joints, see LAYOUT.



Note: For General Notes, see Drwg. No. 33928.



MAR 25 1994

BRIDGE NO. 6535 & 6536 DRAWING NO. 33926



B7940XXX.SI