

[illegible]

GENERAL NOTES

CONTRACT MARKS: C.P.S. in side of power pole, 44' Rt. of Sta. 18+65, Elev. 241.54.

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Specifications for Highway Construction 1999 edition, with applicable supplemental specifications and special provisions.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges, 1989 with current interim specifications.

LIVE LOADING: HS20 METHOD OF DESIGN: Load Factor

MATERIALS AND STRENGTHS:

Class (S/AE) Concrete (superstructure)	$f'c = 4,000$ psi
Class S Concrete (substructure)	$f'c = 3,500$ psi
Reinforcing Steel (#615 or #617, GR, 60)	$F_y = 60,000$ psi
Structural Steel (A588)	$F_y = 50,000$ psi
Structural Steel (A36)	$F_y = 36,000$ psi

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

CONCRETE PILING:

END BENTS: Piling in Bents 1 and 4 shall be 14' Square or 16' Octagonal prestressed concrete piles and shall be driven with an approved air, steam or diesel hammer with a energy rating of 28.0 and 62.0 ft-kips per blow. Drive piling to a minimum safe bearing capacity of 55 tons per pile and to a minimum penetration of 10' below natural ground. Piling shall be driven after embankment to bottom of cap is in place. Drive one 45' test pile in Bent No. 1.

INTERMEDIATE BENTS: Piling in Bents 2 and 3 shall be 18' Square prestressed concrete piles and shall be driven with an approved air, steam or diesel hammer with a energy rating between 28.0 and 62.0 ft-kips per blow. Drive piling to a minimum safe bearing capacity of 55 tons per pile and to a minimum penetration of 20' below excavated channel bottom. Drive one 55' test pile in Bent No. 2.

Lengths of piling shown in the end and intermediate bents are assumed for estimating quantities only. Actual lengths are to be determined in the field. Detail drawings show the location of the test piles.

BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for final finishing in subsection 802.20 for Class S 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:

End Bents

Intermediate Bents

53'-0" W-Beam Spans

Type B-4 Shoes

Permanent Steel Bridge Deck Forms

Concrete Piling

Type C Bridge Name Plate

Embankment Construction

Dumped Riprap and Filter Blanket

Approach Excavation for Structures

Type A Curb Gutters

DRAWING NO.

31462-31463

31462

31464-31465

14990H

14991

2389A

1898A

1891F

2016A

EXISTING BRIDGE: The existing bridge (No. 11830 (log mile 1.78) is 16' wide and 112' long and consists of a timber deck with timber and steel beam supported by a timber substructure. The existing bridge is located at the proposed site of the new bridge.

REMOVAL AND SALVAGE: The existing bridge (No. 11830) shall be removed in accordance with section 205 of the Standard Specifications. All salvagable material shall remain the property of the county. All other material shall become the property of the contractor.

MAINTENANCE OF TRAFFIC: The road will be closed during the construction of this project.

Boring Legend

A-Moist, Stiff, Brown, Sandy, Silty Clay.

B-Moist, Medium Stiff, Brown, Sandy, Silty Clay.

C-Moist, Loose, Brown, Silty Sand.

D-Wet, Medium Dense, Brown, Silty Sand.

E-Wet, Medium Dense, Gray Sand.

F-Wet, Dense, Gray Sand.

G-Wet, Very Dense, Gray Sand.

H-Moist, Soft, Brown and Gray, Sandy, Silty Clay.

J-Moist, Medium Stiff, Brown and Gray, Sandy, Silty Clay.

K-Moist, Stiff, Brown and Gray, Sandy Clay.

L-Moist, Medium Dense, Gray, Silty Sand.

M-Wet, Medium Stiff, Gray Clay with Sand Seams.

LAYOUT OF BRIDGE OVER  
THOMPSON CREEK DITCH  
THOMPSON CREEK DITCH BR. & APPRS.  
CRAIGHEAD COUNTY  
COUNTY ROUTE 60  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

DRAWN BY: KDH DATE: 30 APR 90  
CHECKED BY: JLF DATE: 8-22-90 SCALE: 1" = 20'  
DESIGNED BY: DFL DATE: 4-30-90  
BRIDGE NO. 4657 DRAWING NO. 31461

KDHE514 1,550,300, BR-16-7 BBR607.LI

