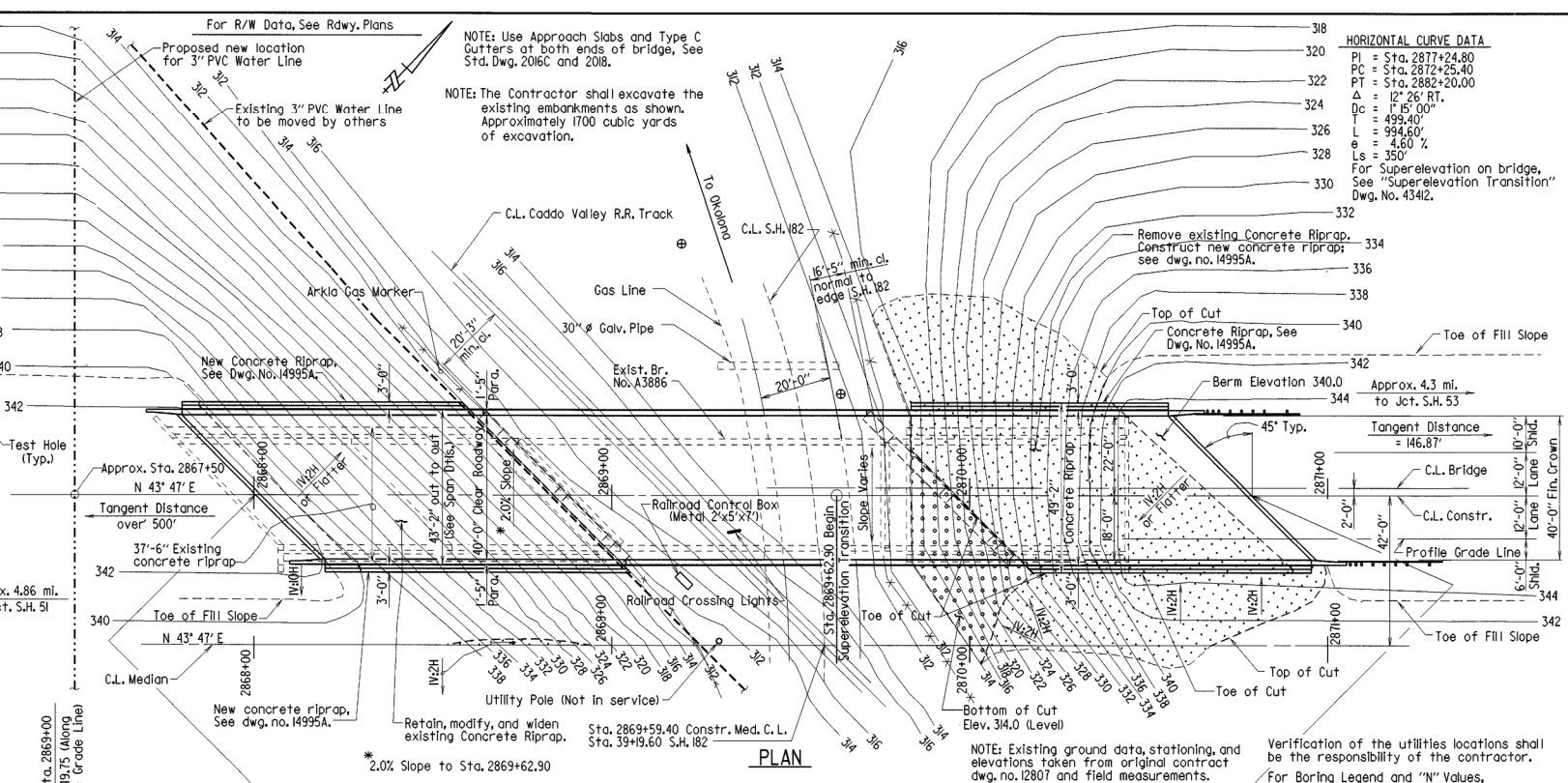
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID
				6	ARK.	
				JOB NO.		B7
				① A6875		-LA



HORIZONTAL CURVE DATA
PI = Sta. 2877+24.80
PC = Sta. 2872+25.40
PT = Sta. 2882+20.00
Δ = 12° 26' RT.
Dc = 1° 15' 00"
T = 499.40'
L = 994.60'
e = 4.60 %
Ls = 350'
For Superelevation on bridge, See "Superelevation Transition" Dwg. No. 43412.

GENERAL NOTES

BENCH MARK: C.L. Existing bridge Sta. 2870+44.47, Elev. 344.72.

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation D Standard Specifications for Highway Construction (1996 edition) with appli specifications and special provisions. Unless otherwise noted on the pla subsection refer to the Standard Construction Specifications.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Brid with current interim specifications.

LIVE LOADING: HS20+MILITARY METHOD OF DESIGN: Load Factor

SEISMIC PERFORMANCE CATEGORY: A

MATERIALS AND STRENGTHS:

Substructure Concrete (Class S)	f'c = 3,500 psi
Superstructure Concrete (Class S(AE))	f'c = 4,000 psi
Reinforcing Steel (AASHTO M 31 or M 53 , Gr. 60)	fy = 60,000 psi
Structural Steel (AASHTO M270, Gr. 36)	Fy = 36,000 psi
Structural Steel (AASHTO M270, Gr. 50W)	Fy = 50,000 psi

BORING LOGS: Boring logs may be obtained from the Programs and Contra

FOOTINGS: Foundations for footings shall be prepared in accordance with piling or shoring will be required to accomplish the excavation near the near Highway 182, and within the limits of the existing concrete riprap. effects shall be taken into account in the design of sheeting or shori

CONCRETE PILING: Piling for bents 1 thru 4 shall be 18" square precast conc driven to a minimum safe bearing capacity of 60 tons per pile. All piling with an approved air, steam or diesel hammer. Piling in end bents shall embankment to bottom of cap is in place and shall be driven to a minin 20' below existing ground. Piles in intermediate bents shall be driven to tration of 10' feet below bottom of footings. Lengths of piling shown estimating quantities only. Actual lengths to be determined in the field. pile in Bent 1 and one 50' test pile in Bent 3.

PROTECTIVE SURFACE TREATMENT: Class 1 Protective Surface Treatment shall roadway surface and to the face and top of the concrete parapet ra

BRIDGE DECK: The concrete bridge deck shall be given a tine finish as sp finishing in subsection 802.19 for Class S Tined Bridge Roadway Surface F

DETAIL DRAWINGS:	DRAWING NO.
End Bents	43414-43417
Intermediate Bents	43422-43426
275'-0" Cont. Comp. Plate Girder Unit	43431-43437
Concrete Piling	2383
Type C Approach Gutters	2016C
Approach Slab	2018
Concrete Riprap	14995A

EXISTING BRIDGE: The existing bridge no. A3886 (log mile 58.53) is 28' wide and consists of steel multi-beam spans supported by concrete bents and co bents. Half-size drawings of the existing bridge may be obtained from P Contracts Division, drawing nos. 12806, 12807, 12810-12814, 14990A, 15034, 15035, 1503

REMOVAL AND SALVAGE: The existing bridge No. A3886 shall be removed accordi SP Job B70100 "Conditions for Removal or Construction on Existing Bridge ar and SP Job B70100 "Special Safety Requirements for Bridges". All material fr shall become the property of the contractor.

REMOVAL OF EXISTING FOOTINGS: Footings that interfere with Bents 2 and 3 as required for construction of new bents. Removal of Footings shall b the item "Removal of Existing Bridge Structure".

CONCRETE RIPRAP: The existing riprap at Bent 1 shall be retained, modified to ure, and widened to the limits shown. Cut back existing riprap on each long required for new bent construction or existing bent removal, leaving 12" mi exposed to lap with new wire mesh. Construct new riprap as shown on dra for modification will be made under the item "Modification of Existing Brid ment for new riprap at Bent 1 will be based on the volume of riprap const the limits shown for the existing riprap. Payment for replacement of exis will be subsidiary to the item "Concrete Riprap". Payment for new riprap Section 816. The existing concrete riprap at Bent 4 shall be removed compl riprap shall be paid for under the item "Removal of Existing Bridge Struct

MAINTENANCE OF TRAFFIC: Unless the Engineer directs otherwise, Temporary shall be placed 2'-0" from the edge of pavement at Bent 3 during cons bent; see drawing TC-4. See roadway plans for additional maintenance of

STATE OF ARKANSAS
Edward T. Rain
REGISTERED PROFESSIONAL ENGINEER
No. 3915
1-7-02
EDWARD T. RAIN
BRIDGE ENGINEER

SHEET NO. 1 OF 3
BRIDGE A6875
LAYOUT OF OVERPASS
OVER CADDO VALLEY R.R. &
GURDON REST AREA - HW
CLARK COUNTY
INT. ROUTE 30 SEC. 14
ARKANSAS STATE HIGHWAY COM
LITTLE ROCK, ARK.

DRAWN BY:	LDF	DATE: 12-14-00	FILENAME:
CHECKED BY:		DATE: 01-07-02	SCALE:
DESIGNED BY:	CAO	DATE: 01-01	

BRIDGE NO. A6875 DRAWING NO. 43