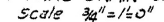
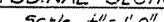
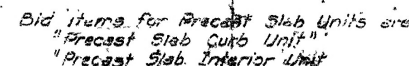


- Ⓢ Revised: Rail material no. solen. Speedmaster 5-11-60 62
- Ⓢ Revised: Rail nuts and W. Rubber Jmt. 5-6-60 B.J.P.
- Ⓢ Revised: Aluminum plate brake 5-5-61 I.E.H.
- Ⓢ Revised: Cap Detail 11-16-61 M.B.
- Ⓢ Revised: Joint materials notes 11-12-63 DV
- Ⓢ Added Haul Alternate 7-27-65 - F.R.B.



Place one drain opening in
each curb unit 1'-6" from center
Taper openings 3" at top
of slab to 3 1/2" at bottom.

Coating to be applied between
ends of adjacent units
shall consist of an asphaltic
paint with asbestos fibers which
will produce a filler on each
surface of 1/4".

The coating shall adhere and
set firm to the vertical surface
of the concrete. The softening
point shall be not less than
140°F.

Revised: Wire Mesh 3-1-61 A.T.
Revised: 1 1/2" bolt hole in end of unit. FMH 8-4-67
Revised: Exp. Jt. 3-17-58 V.P.
Revised: F.R.B. 1-20-59

- " Asphalt Coating 10-7-53
- " Bolt Holes 10-7-53
- " Note for Special Details 4-27-54
- " " Carb Thickness & Shear Key
- " " Cut Height for Sec. 12-14-53, 7-5-5

All concrete to be Class "5". All exposed corners to be chamfered $\frac{1}{4}$ " unless noted. All other corners rounded to $\frac{1}{4}$ radius. Reinforcing dimensions are to $\pm \frac{1}{8}$ bars. All reinforcing steel shall be accurately placed in the forms and firmly held in place by means of steel wire supports. The wire supports will not be paid for directly but will be considered subsidiary to the item of "Reinforcing Steel".

Wire mesh shall conform to the Specification for Welded Steel Wire Fabric for Concrete Reinforcement of the A.A.S.H.O. Specifications for Highway Materials, Designation M 55-37, (A.S.T.M. Designation A 185-37).

All machine bolts connecting rail posts to curb sections and special bolts shall be considered as subsidiary to the item of "Steel or Aluminum Plate Guard Bridge Railings."

Paint heads and nuts with aluminum paint after assembly is complete

Δ Specifications:- Arkansas Highway Commission Standard Specifications for Highway Construction, Edition of 1959, ..

Reinforcing steel shall be deformed bars, 2" inter. or hard grade.
Bolts connecting units will not be paid for directly but will be considered subsidiary to the bid price per slab unit.

A deviation of more than $\frac{1}{8}$ " in dimension or line will be cause for rejection of the unit.

between SEE LAYOUT FOR SPECIAL DETAILS.

H-15 Loading
Stresses

each	Class "S" Concrete (n=10)	1200"/ft
	Reinforcing Steel	20,000 #/ft ²
	Gold Gravel, 1/2" Min. 14 mesh	20,000 #/ft ²

DETAILS OF STANDARD

DETAILS OF STANDARD DETAILS OF STANDARD

PRECAST SLAB BRIDGE

19-0 SPAN

24-0 CLEAR ROADWAY

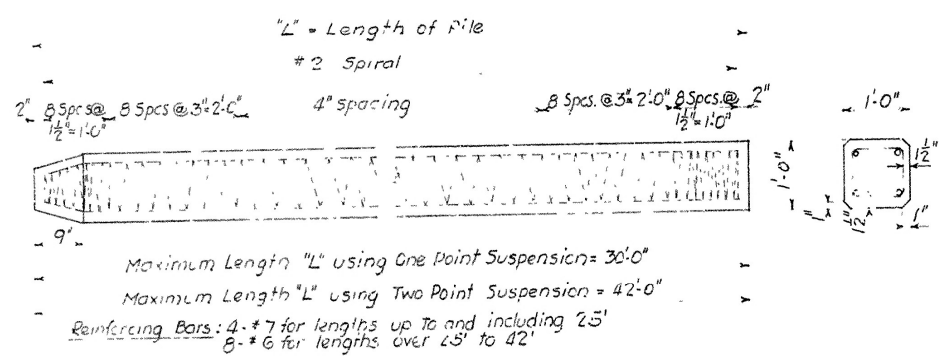
10-7-53
7-53
ARKANSAS STATE HIGHWAY COMMISSION

7-58
4-27-54
SHEARSON, ANDERSON & CO.
LITTLE ROCK, ARK.

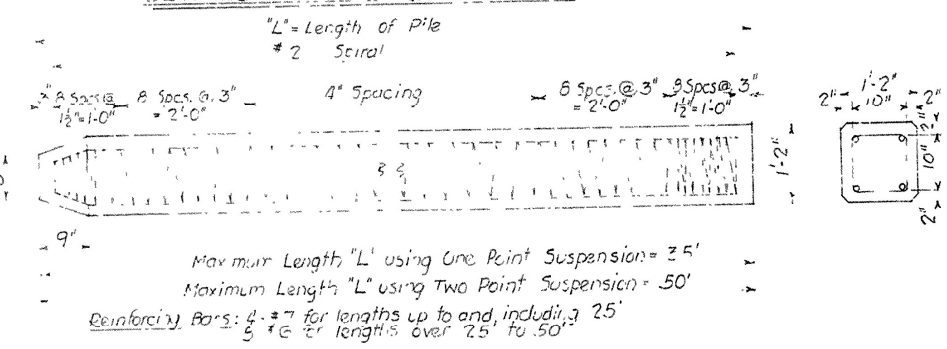
4-23-57 Traced By: _____ Date: _____
Checked By: WZ Date: 4-23-52

BRIDGE NO. DRAWING NO. 5306

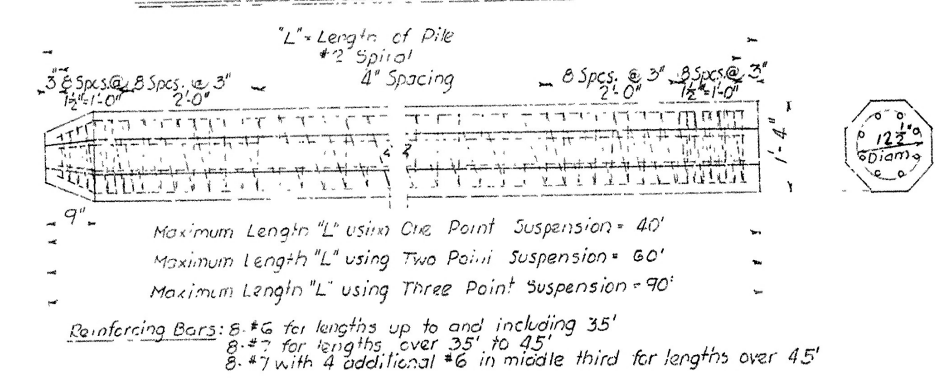
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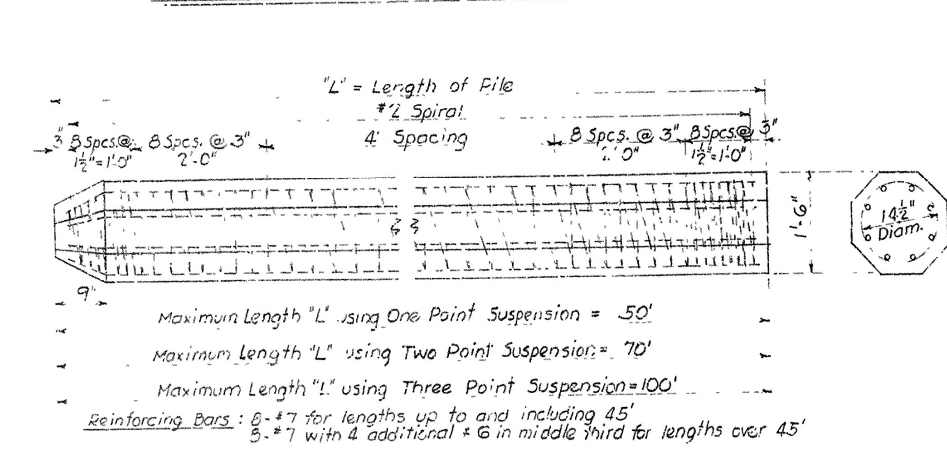
DETAILS OF 12" SQUARE PILE



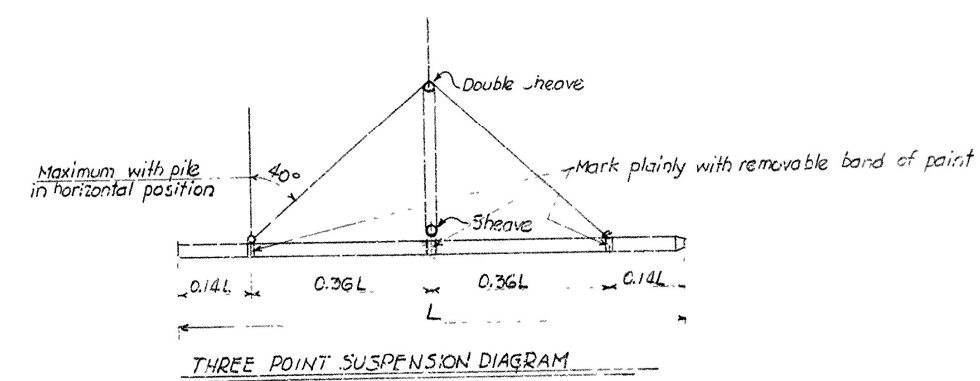
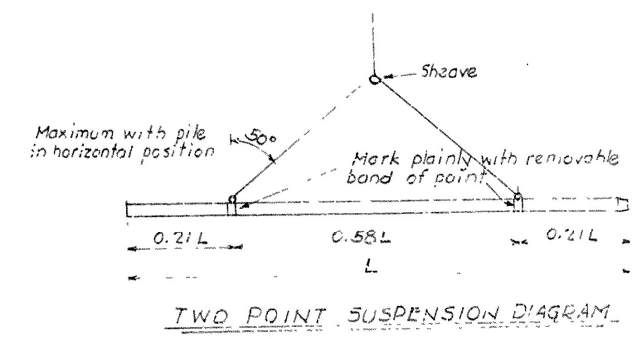
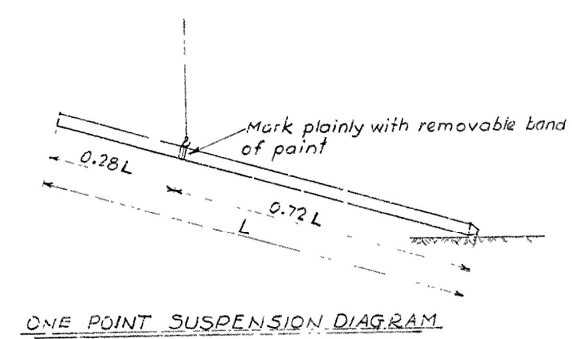
DETAILS OF 14" SQUARE PILE



DETAILS OF 16" OCTAGONAL PILE



DETAILS OF 18" OCTAGONAL PILE



Prestressing Alternate:-

As an alternate to the reinforcement shown, these piles may be prestressed by the use of steel strands of high tensile cold-drawn uncoated stress-relieved wire strands having an ultimate tensile strength of not less than 250,000 p.s.i. and an elongation at rupture of not less than 3% in 10"; number and size of strands and prestressing load to be as follows:-

Pile Size	Wire Strands No. Nominal Dia.	* Prestressing Force Per Strand
12" Square	8 3/16"	10150 #
14" Square	12 3/16"	10150 #
16" Octagonal	12 3/8"	14000 #
18" Octagonal	16 3/8"	14000 #

* Prestressing force to be not more than 0.7 of the ultimate value of strand.

To permit splicing for buildup, where necessary, of prestressed piles, reinforcing as shown in details shall be provided in butt end of pile for a length of 5' and 6' for No. 6 & No. 7 bars respectively.

GENERAL NOTES

All concrete to be Class "S"
Longitudinal reinforcing steel shall be deformed bars of intermediate grade, unless otherwise modified by Special Provisions. Spiral shall be formed from plain round billet steel reinforcing bars.
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959.

Revisions:-
Provisions for prestressing 1-6-58 H.S.
Prestressing strands, forces 4-14-58 H.B.
Number Prestressing Strands 16" Pile 10-31-58 H.B.
General Notes 2-26-60 A.J.

DETAILS OF STANDARD PRECAST CONCRETE PILES

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: L.W.H. DATE: 7-26-56
TRACED BY: J.A. DATE: 4-17-58
CHECKED BY: D.L.K. DATE: 7-27-56
REVIEWED BY: J.M. DATE: 4-2-58
BRIDGE NO. DRAWING NO. 2382

J.P. Carlson
BRIDGE DESIGN ENGINEER

See Revised 5-22-61