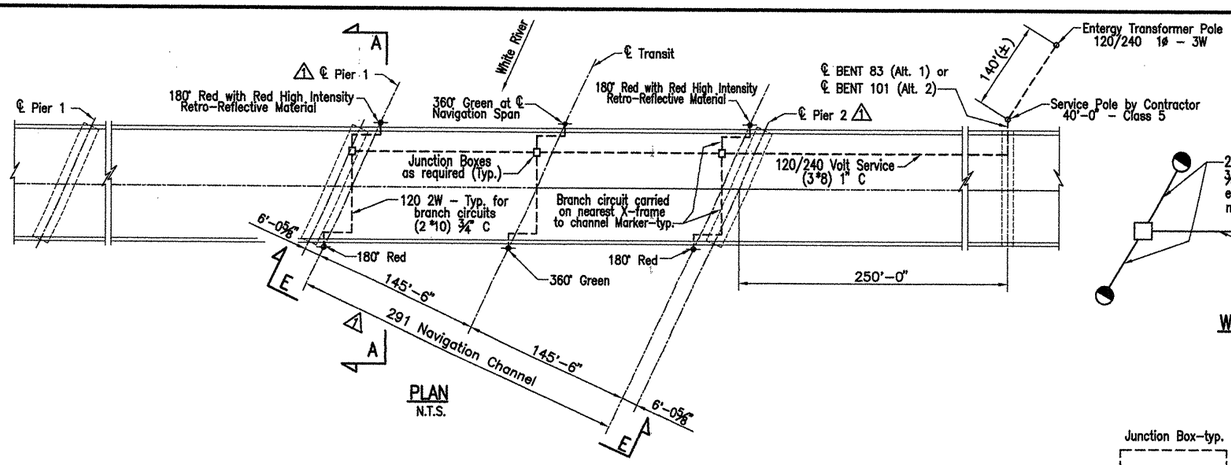
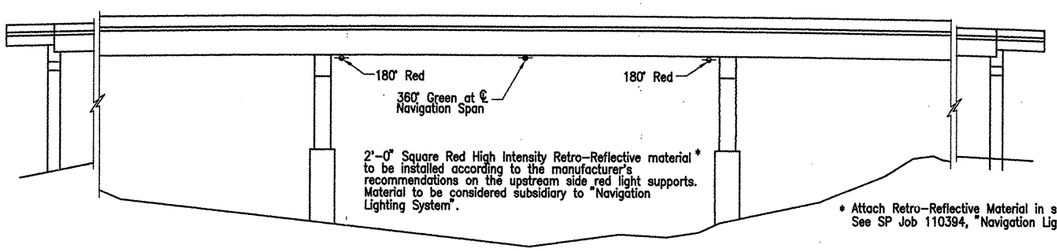
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6-3-2010					ARK.			
				JOB NO.		110394	104	196
				06830		NAV. LIGHT		42016

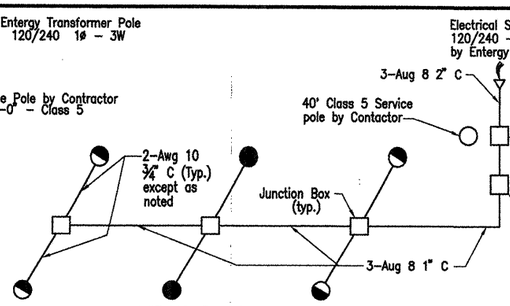


PLAN
N.T.S.

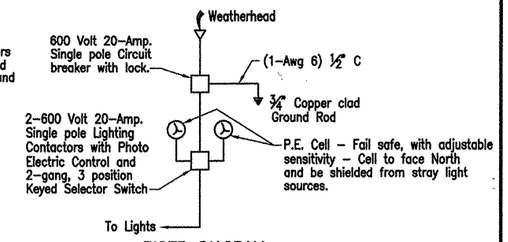


* Attach Retro-Reflective Material in shop, See SP Job 110394, "Navigation Lighting System".

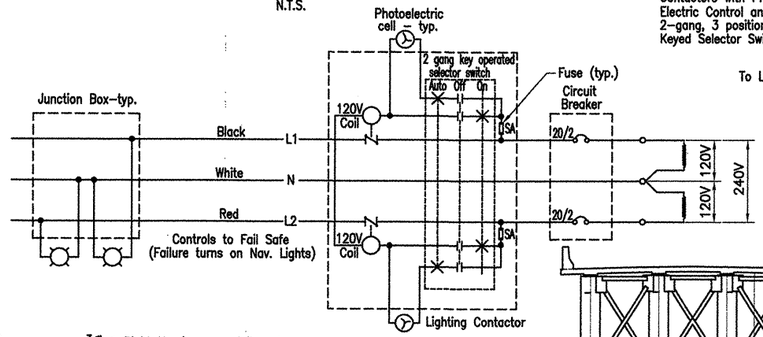
VIEW E-E
N.T.S.



WIRING DIAGRAM FOR NAVIGATION LIGHTS
N.T.S.

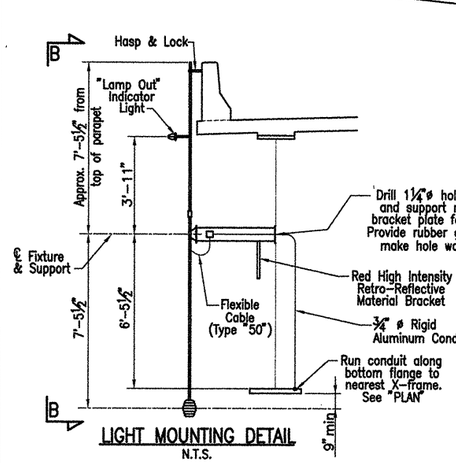


RISER DIAGRAM
N.T.S.

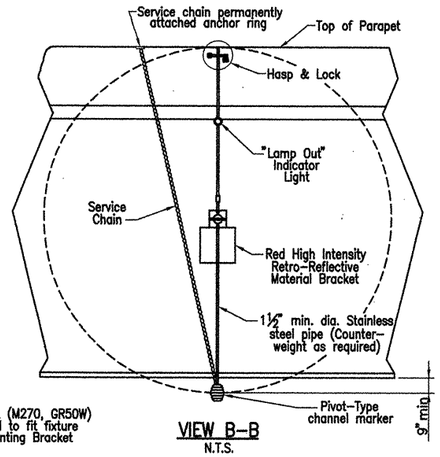


CONNECTION DIAGRAM
N.T.S.

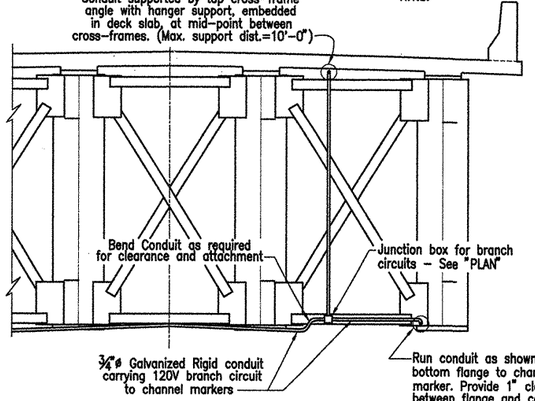
⚠1 REVISED NAVIGATION CHANNEL & PIER NOS. 6-3-2010



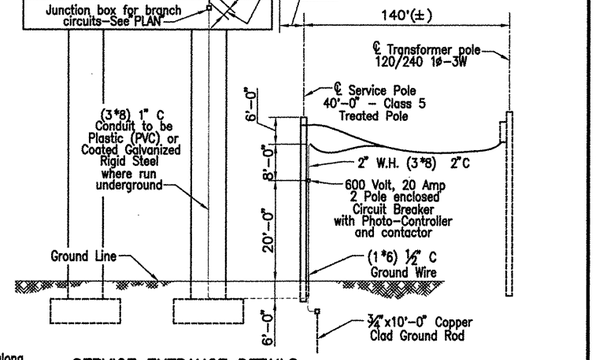
LIGHT MOUNTING DETAIL
N.T.S.



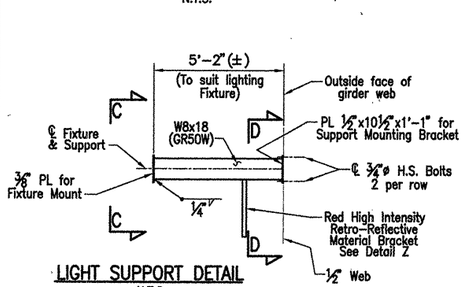
VIEW B-B
N.T.S.



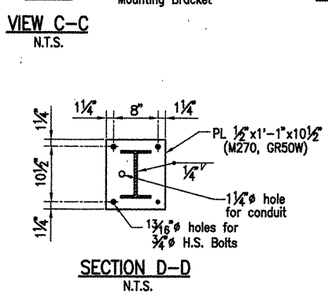
SECTION A-A
N.T.S.



SERVICE ENTRANCE DETAILS
N.T.S.

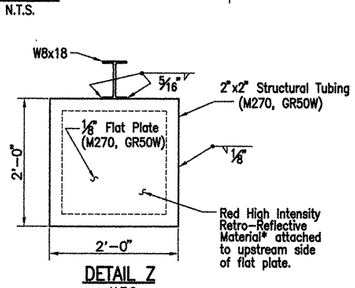


LIGHT SUPPORT DETAIL
N.T.S.



VIEW C-C
N.T.S.

SECTION D-D
N.T.S.



DETAIL Z
N.T.S.

NOTES:

All wires shall be run in rigid aluminum conduits unless otherwise noted, and except where flexible, liquid tight conduit is used.

All conduits and junction boxes shall have weather proof covers.

All runs and all structural steel shall be made electrically continuous by approved grounding.

Expansion fittings shall be weatherproof O.Z. Electrical Co. type "EXE" (or approved equal) with external bonding jumper.

For additional information refer to SP Job 110394 "Navigation Lighting System".

The navigational lighting system shall be B & B Electromatic MSC301LR-DLKI-CW-L800-JB-8" or approved equal.

¾" ø Rigid Aluminum conduit under slab as shown carrying 240V Supply. Conduit supported by top cross-frame angle with hanger support, embedded in deck slab, at mid-point between cross-frames. (Max. support dist.=10'-0")

The use of manufacturer's name is intended to indicate only the type and quality of product to be furnished. Other manufacturer's product's providing equal standards of performance and quality will be considered acceptable subject to the approval of the Engineer.

CERTIFICATE OF AUTHORIZATION H. JAMES ENGSTROM & ASSOC., INC. No. 164 ARKANSAS ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER H. JAMES ENGSTROM NO. 3125

6/3/10

BRIDGE ENGINEER

⚠ Revised Nav. Channel, Pier No. By AHTD, MM, HJE 6-3-2010 Checked MM

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER W. B. CONWAY No. 6231 6/3/10

ALTERNATE NO. 1 AND 2
WHITE RIVER BRIDGE
DETAILS OF NAVIGATION LIGHTING
WHITE RIVER STR. & APPRS. (CLARENDON) (PH II) (F)
MONROE COUNTY
ROUTE 79 SEC. 13
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom/Modjeski and Masters, Inc.

DRAWN BY: CJA DATE: Nov. 07 FILENAME: b110394_g3
CHECKED BY: LRB DATE: Nov. 01 SCALE: 1 1/2" = 1'-0"
DESIGNED BY: YO DATE: Nov. 01
BRIDGE NO. 06830 DRAWING NO. 42016

COMPANY\1999 JOBS\99-044 AHTD\WHITERIVER\JOB 110394\nalightalt1&2 ACAD SCALE: 1 1/2"=1'-0"