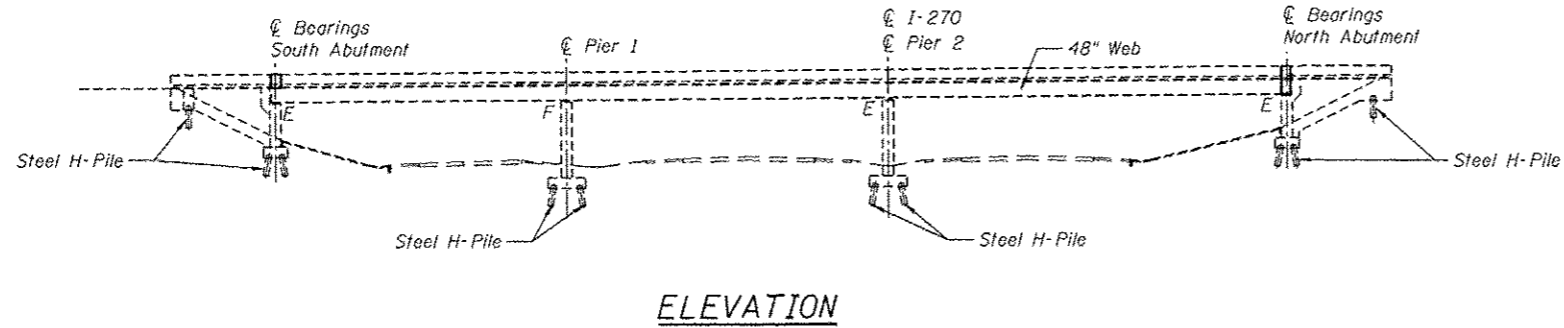


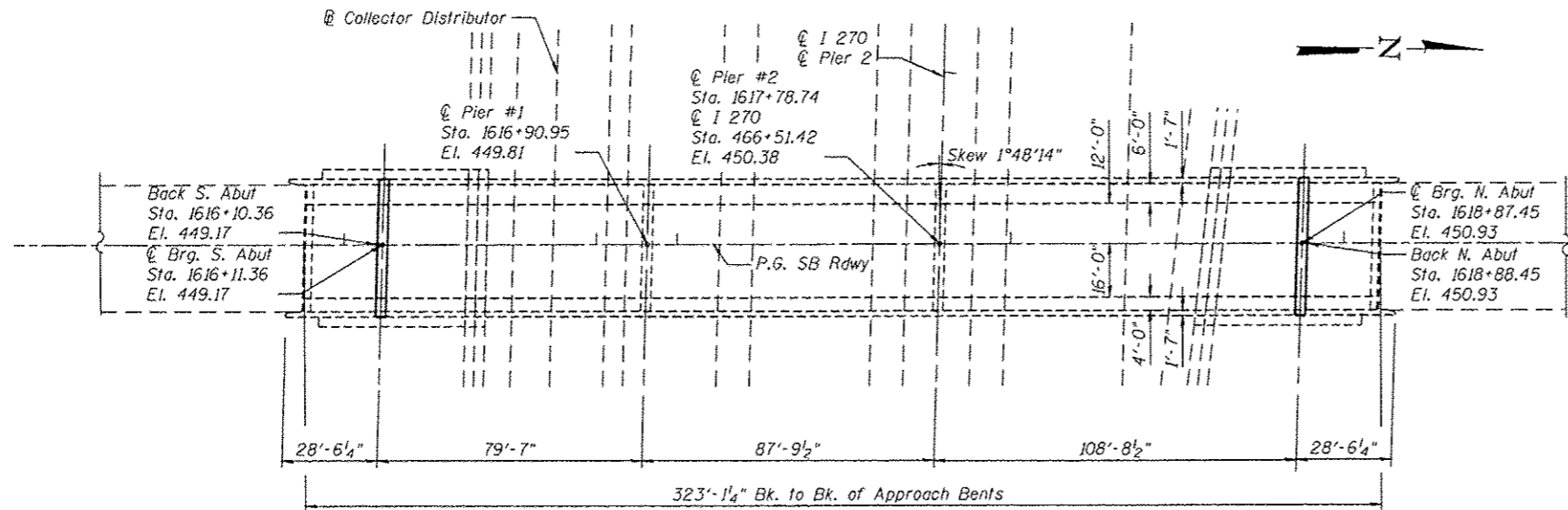
Bench Mark: B.M. No. 12 Elev. 424.62 Chiseled Square on top of Concrete Headwall 80' Rt. of C.F.A.I.-270 Sta. 455+72.

Existing Structures:

The original structure was constructed in 1994 as FAP Route 310, Section 60-9HB & HB-1. The structure is a continuous three span composite welded plate girder bridge with 7 1/2" deck. The substructures consist of sand-filled vaulted abutments and concrete piers all on steel piles. The back-to-back of support bent dimension is 323'-1 1/4" and out-to-out of deck is 41'-2". The span lengths (CI bearing to CI bearing) are 79'-7", 87'-9 1/2" and 108'-8 1/2". The structure has a 1°-48'-14" left forward skew.



ELEVATION



PLAN

DESIGN SPECIFICATIONS

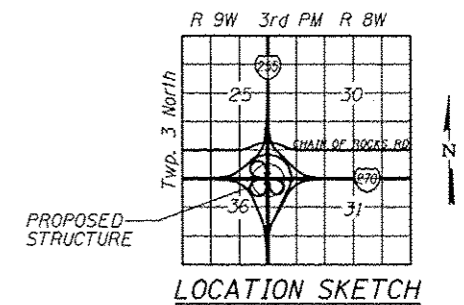
Original Construction
AASHTO 1989 and 1990 and 1991 Interims

DESIGN CRITERIA:

Original Construction
Loading HS20-44
or Alternate Military Loading
Allow 25 psf for Future Wearing Surface

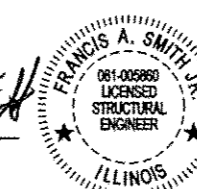
DESIGN STRESSES

Original Construction
Field units
f'c = 3500 psi
fy = 60000 psi (Reinforcement)
fy = 50000 psi (M223 Gr 50) (Struc. Steel)
fy = 36000 psi (M270 Gr 36) (Struc. Steel)
New Construction
Field units
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)



LOCATION SKETCH

F. Allen Smith
F. ALLEN SMITH, P.E., S.E.
NO. 081-005860
EXP. DATE 11/30/2014
10/18/13



F.A.P. 310 COLLECTOR OVER
F.A.I. 270
F.A.I. 255 SECTION 60-(8,9)RS-1
STATION 1617+78.74
MADISON COUNTY
STRUCTURE NO. 060-0243

10/17/2013 8:10:58 AM G:\S\2\000\9\1000\9\1000\CA\N\Sheet 18 Br Idg 0243\0600243-18FID-01-CPE.dwg



USER NAME * sdgjm	DESIGNED - SDG	REVISED -
PLOT SCALE * #SCALE*	CHECKED - FAS	REVISED -
PLOT DATE * 10/17/2013	DRAWN - DMG	REVISED -
	CHECKED - SDG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
STRUCTURE NO. 060-0243 SB**
SHEET NO. 1 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60-(8,9)RS-1	MADISON	206	197
				CONTRACT NO. T6F10
[ILLINOIS] FED. AID PROJECT				