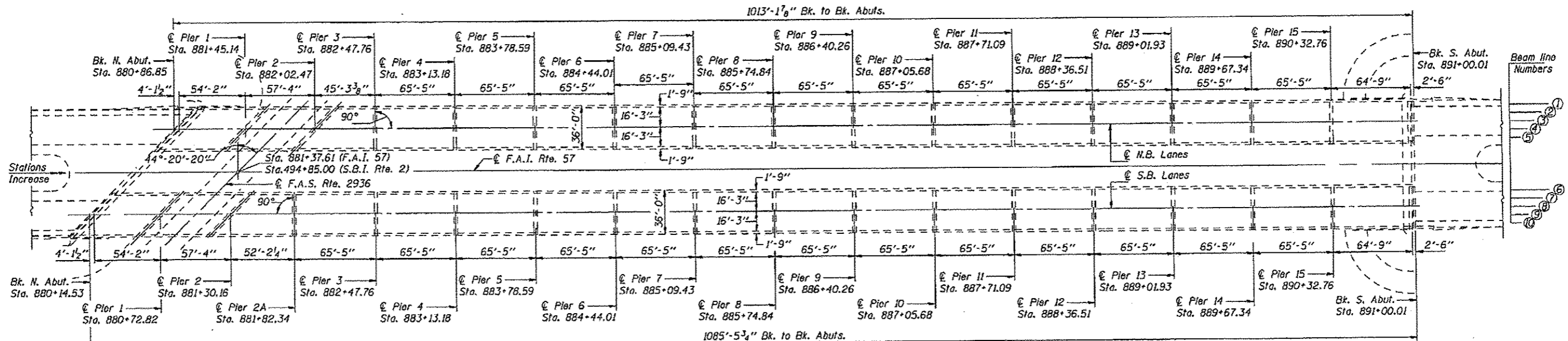




ELEVATION



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Seismic Restrainer	Each	348
Furnishing & Erecting Structural Steel	Lbs.	260

GENERAL NOTES

All structural steel shall be AASHTO M 270 Grade 36 unless otherwise noted. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

DESIGN STRESSES

**NEW CONSTRUCTION**  
Field Units  
 $f_y = 36,000$  psi (Struct. M-270 Grade 36)

**ORIGINAL CONSTRUCTION**  
Field Units

$f_c = 1,400$  psi (super & sub)  
 $f_s = 20,000$  psi (reinforcement)  
 $v_c = 75$  psi  
 $n = 10$

**Precast Prestressed Units**

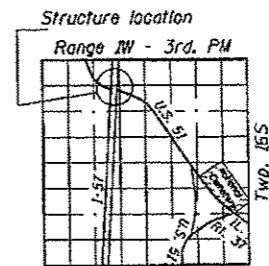
$f_c = 5,000$  psi  
 $f_{d1} = 4,000$  psi  
 $f_s = 248,000$  psi ( $\frac{1}{16}$ " stress relieved strands)  
 $f_{d2} = 173,600$  psi ( $\frac{1}{16}$ " stress relieved strands)

SCOPE OF WORK

1. Replace Seismic Restrainer Cable assemblies.
2. Install missing side retainers.



*David Carl Puzey* 4/28/14  
Expires 1/30/14



LOCATION SKETCH

**GENERAL PLAN SECTION**  
F.A.I. RTE. 57 OVER F.A.S. 2936  
PULASKI COUNTY  
STRUCTURE NO. 077-0001 (N.B.)  
STRUCTURE NO. 077-0002 (S.B.)

FILE NAME *	USER NAME * hoisteadtw	DESIGNED - TWH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND ELEVATION		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pardo\hoisteadtw\0770001.dgn	7-8801_882-wht-plan.dgn	DRAWN - TWH	REVISED -		SN 077-0001 & 077-0002	57	09 SEISMIC MAINT. 2014-1	PULASKI	T	4	
PLOT SCALE * 32.8888 1/ in.	CHECKED - DSP	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 78405
PLOT DATE * 3/19/2014	DATE - 03/14/14	REVISED -	REVISED -								