

Bench Mark: BM "8" - Square cut on wingwall @ NE corner of SN 082-0087, Elevation: 423.805

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAP 592	28BR-2 28BR-3	ST. CLAIR	51	24
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
7 SHEETS

Contract #76904

Existing Structure: S.N. 082-0087 built as SBI 13, Sec. 28 B&C in 1928. The original 3-span structure was rebuilt in 1972 under Sec. 28 BR-1. The existing is a 6-span structure with PPC deck beams. The substructure consists of the original pile bent abutments, 2-original hammerhead piers, and 3-additional pile bent piers.

Existing structure to be removed in accordance with Section 501 of the Standard Specifications except the piers shall be removed to elevation 412.0 or lower. Cost shall be included with Removal of Existing Structures. Roadway to remain closed during construction.

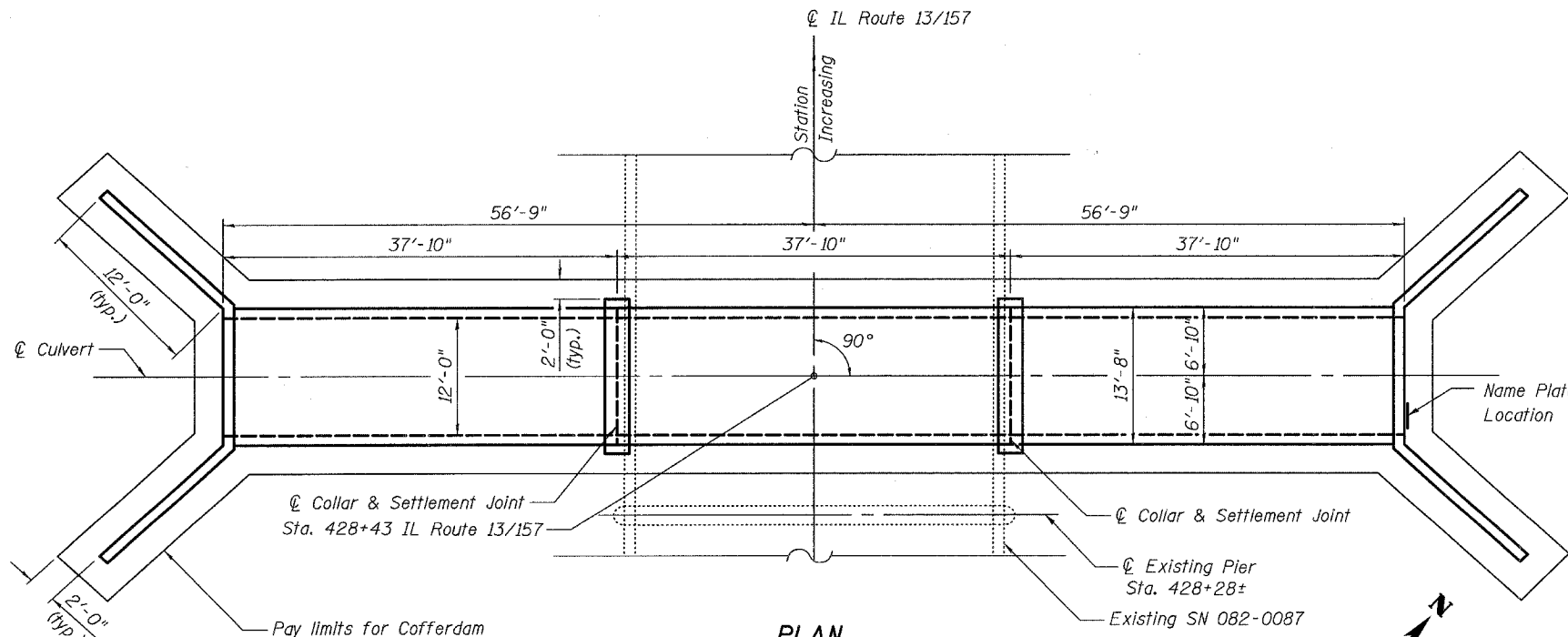
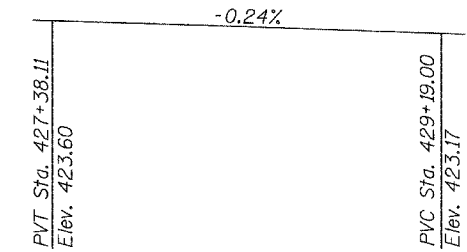
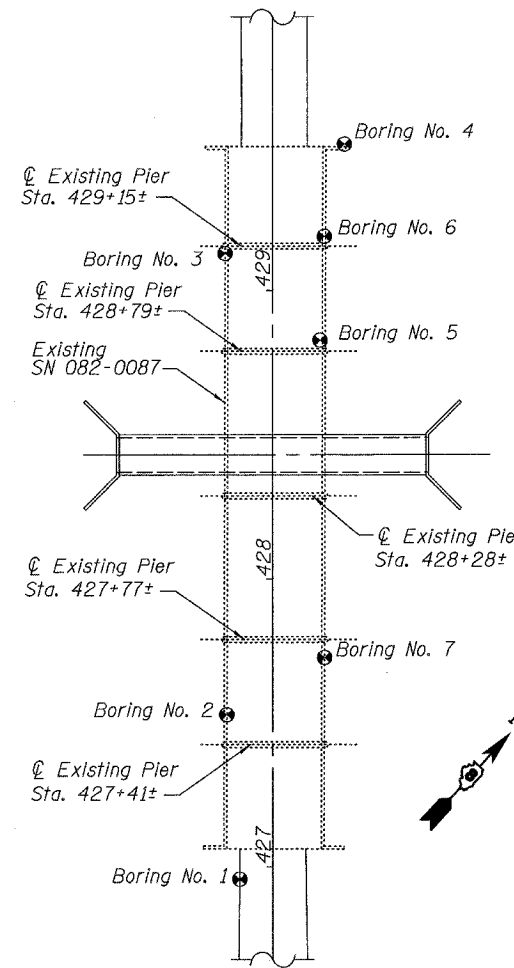
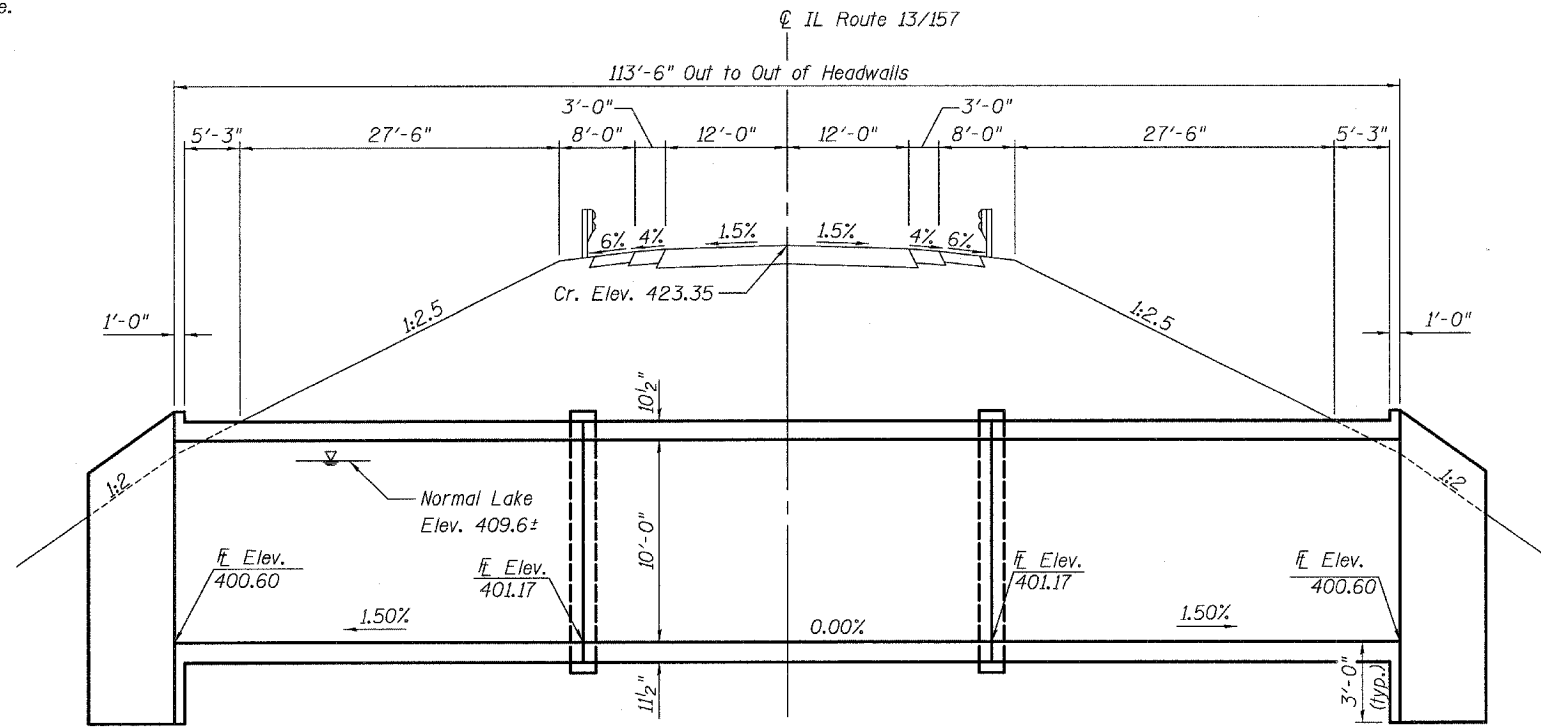
No Salvage.

GENERAL NOTES

- Flowline elevations shown at collar locations have been adjusted for camber to allow for settlement.
- Exposed edges shall have a 3/4" chamfer unless otherwise noted.
- Precast Alternate is not allowed.
- All construction joints shall be bonded.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	L. Sum	1
Cofferdam Excavation	Cu. Yd.	1,133
Cofferdams	Each	1
Seal Coat Concrete	Cu. Yd.	852.3
Reinforcement Bars	Pound	50,130
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	212.1
Asbestos Bearing Pad Removal	Each	66



STATION 428+43
BUILT 200_ BY
STATE OF ILLINOIS
FAP ROUTE 592 - SEC 28-BR-2
LOADING HS20
STR. NO. 082-2568

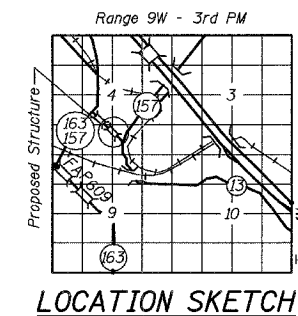
NAME PLATE
See Std. 515001

WATERWAY INFORMATION

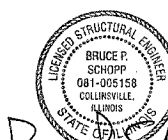
Drainage Area = 0.044 Sq. Mi. Low Grade Elev. 414.43 @ Sta. 435+83.05

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Erosion	10	35	1,032.8	103.5	410.95	0.12	0.15	411.07	411.10
Design	50	73	1,115.4	107.9	411.39	0.16	0.19	411.55	411.58
Base	100	93	1,153.4	109.9	411.59	0.18	0.22	411.77	411.81
Overtopping	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max. Calc.	500	*144	1,245.5	114.7	412.07	0.23	0.27	412.30	412.34

*Existing Q = 146 cfs, Proposed Q = 144 cfs



Plans Prepared By:
Oates Associates, Inc.



Bruce P. Schopp
01/23/07
EXPIRES 11/30/08

GENERAL PLAN
IL ROUTE 13/157 OVER CANAL NO. 1
ST. CLAIR COUNTY
STA. 428+43
STRUCTURE NO. 082-2568

LOADING HS20-44
DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)