

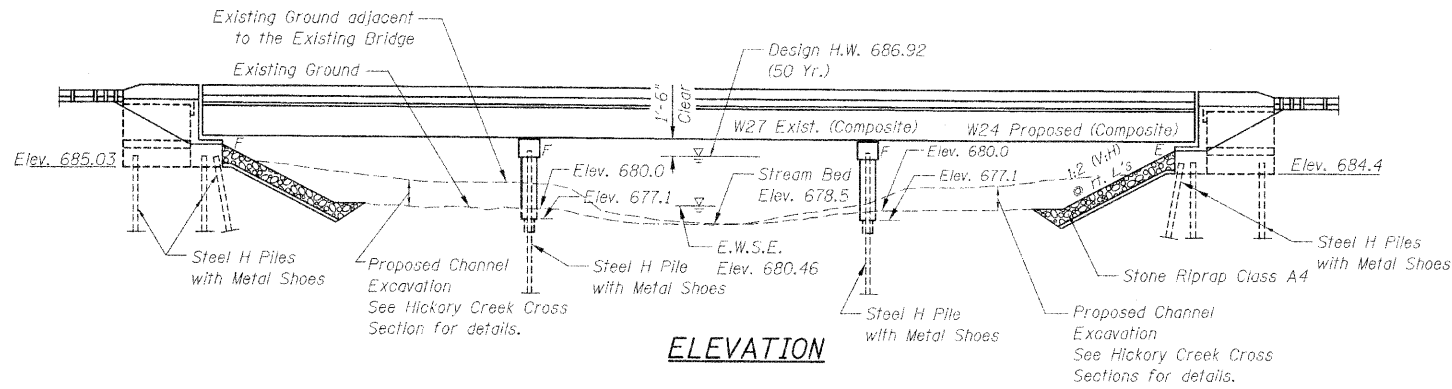
BENCHMARK

B.M. #10 - Cut on concrete parapet,
Southwest corner of bridge,
Elev. 694.593

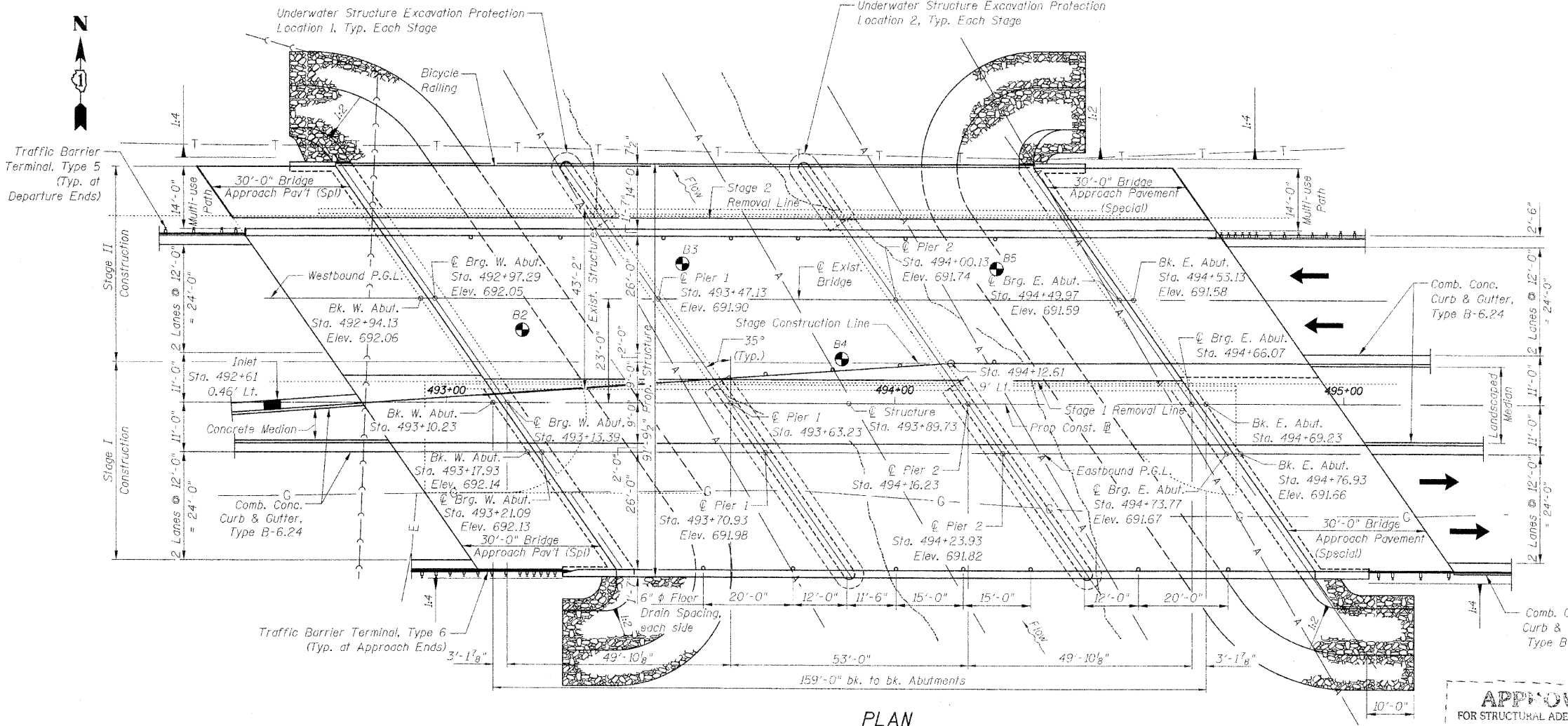
Existing Structure No. 099-0311, built in 1996 as
F.A.P. Rte. 353, Section 13B-R-1190). The
superstructure consists of a composite
reinforced concrete deck supported on steel wide
flanged beams. Length is 159'-0" bk-bk, and
width is 43'-2" o-o. The piers are single row
steel H pile bents encased in concrete. The
abutments are standard pile cap abutments
supported on steel H piles. Traffic will be
maintained during the widening of the bridge by
stage construction.

No salvage.

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12813) WRS-4	WILL	608	414
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	
Contract No. 62478				



ELEVATION



PLAN

DESIGN SCOUR ELEVATION TABLE

	W. Abut.	Pier #1	Pier #2	E. Abut.
Design Scour Elevation ft.	685.0	681.0	661.0	684.0

WATERWAY INFORMATION TABLE

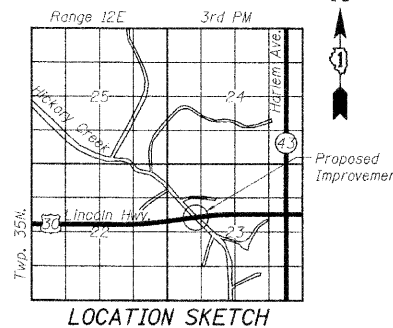
Flood	Frequency Year	Discharge (C.F.S.)	Waterway Opening		Natural H.W.E.	Created Head		Headwater Elevation	
			Existing (Sq. Ft.)	Proposed (Sq. Ft.)		Existing (Feet)	Proposed (Feet)	Existing	Proposed
Design	10	1600	529	621	686.1	0.4	0.2	686.5	686.3
Base	50	2500	621	621	686.9	0.5	0.3	687.4	687.2
Max. Calc.	100	3000	669	669	687.3	0.6	0.4	687.9	687.7
	500	5500	831	831	688.8	1.4	1.2	690.2	690.0

STATION 493+89.73
WIDENED 201. BY
STATE OF ILLINOIS
U.S. ROUTE 30 SEC. 13B-R-1190)
LOADING HS20
STR. NO. 099-0311

NAME PLATE

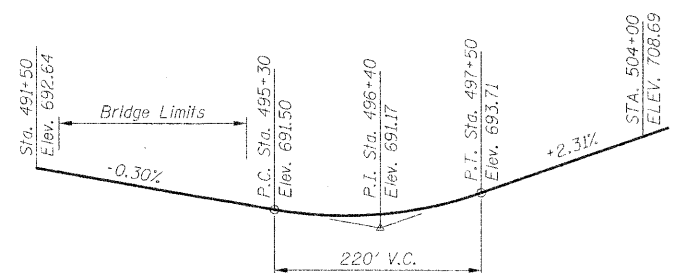
See Std. 515001

Existing Name Plate shall be cleaned and
relocated next to new Name Plate. Cost
included with Name Plates.

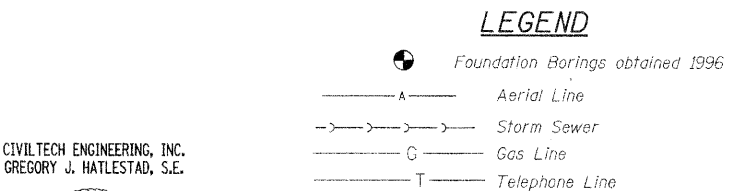


LOCATION SKETCH

WESTBOUND PROFILE GRADE - U.S. ROUTE 30



EASTBOUND PROFILE GRADE - U.S. ROUTE 30



LEGEND

- Foundation Borings obtained 1996
- A — Aerial Line
- S — Storm Sewer
- G — Gas Line
- T — Telephone Line

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.



Greg Hatlestad
GREGORY J. HATLESTAD, S.E.
081-005562

EXP **11/30/2010**

DATE **6/11/2010**

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS 20-44

Allow 50 #/Sq. Ft. for future
wearing surface.

DESIGN STRESSES

f'c = 3500 psi
fy = 60,000 psi (Reinf.)
fy = 50,000 psi (Struct.) M270 Grade 50

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

SI OF S26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION

U.S. RTE. 30 OVER HICKORY CREEK

STATION 493+89.73

STRUCTURE NUMBER 099-0311

SCALE: None
DATE: June 11, 2010

DRAWN BY: C. Cooney
CHECKED BY: G. Hatlestad

Revised 01-03-2011

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