

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark: #413 STA. 98+81.96, 21.53' RT EL. 787.14 Chiseled square in top of wingwall

The existing bearings shall be salvaged. This salvage shall include the rocker/bolster, top and bottom bearing plates, any shim plates, and anchor bolts. The bearing components shall be identified with substructure unit and beam line markings such that they can be re-assembled at a future date. The bearings shall be delivered to the Rockford Maintenance Yard; Field Technician Lori Kolenko; Phone # 815-987-7373.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F.A.P. 301	1-HBR-2	WINNEBAGO	57	20	27 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #64D50

DESIGN SPECIFICATIONS
2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
4th Edition with 2008 Interims for Super Structures
1995 FHWA Seismic Retrofit Manual

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (AASHTO M270 GRADE 50)

FIELD UNITS (EXISTING CONSTRUCTION)

$f'_c = 1,000$ psi Substructure (with earth pressure)
 $f'_c = 1,400$ psi Substructure (without earth pressure)
 $f_s = 20,000$ psi (reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Bedrock Acceleration Coefficient (A) = 0.04
Site Coefficient (S) = 1.2

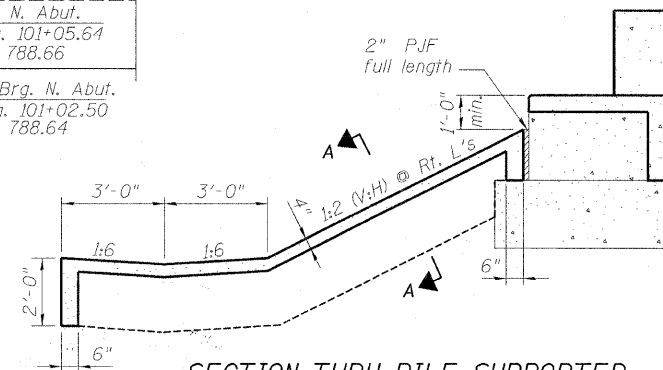
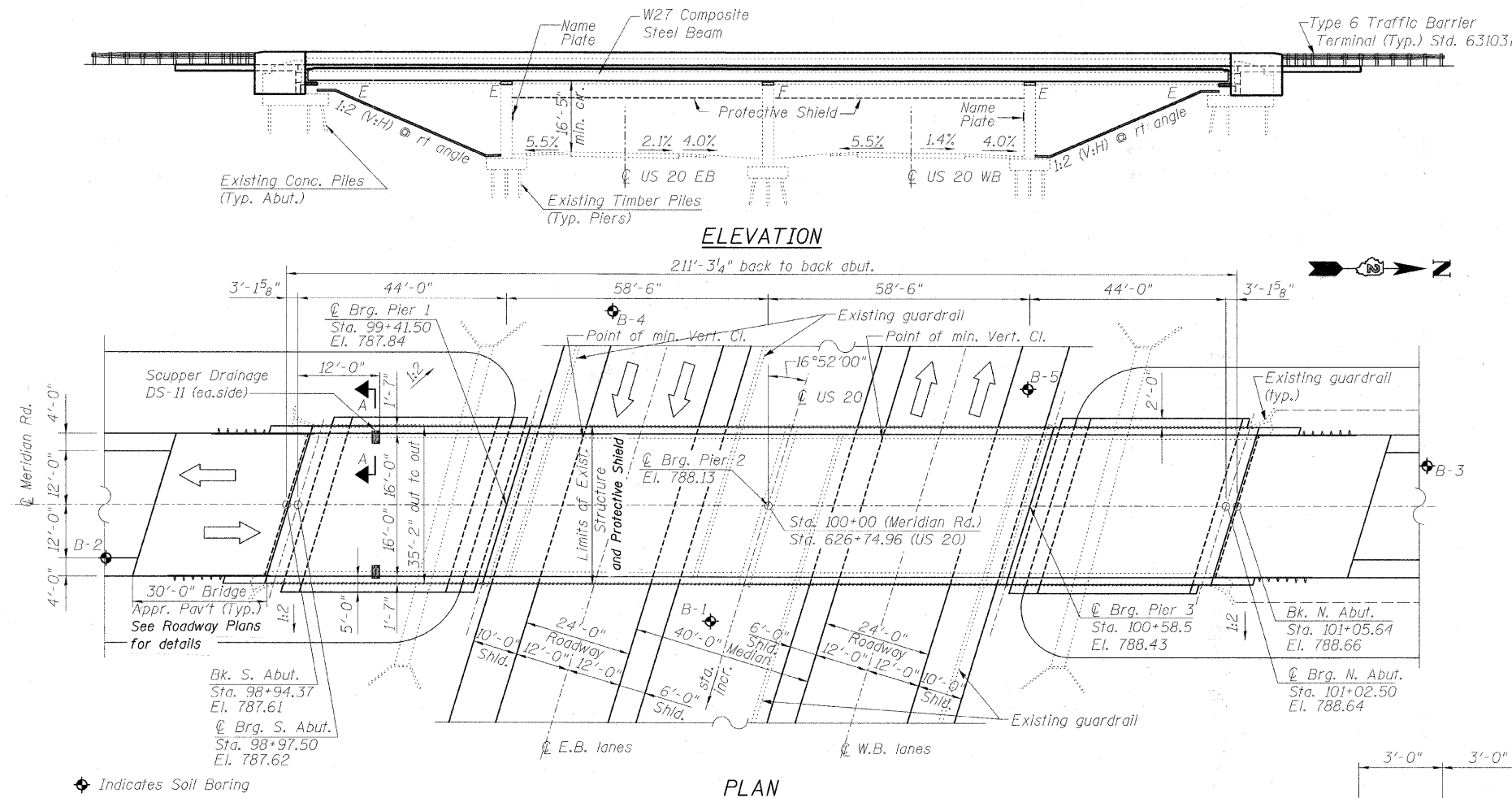
LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

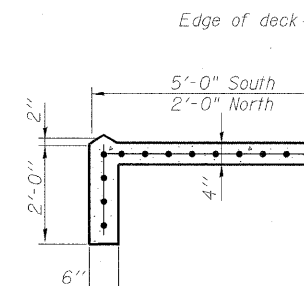
STATION 626+74.96
RE-BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. 301 - SEC. 1-HBR-2
LOADING HL93
STR. NO. 101-0096

NAME PLATE

See Std. 515001
Place Name Plate next to existing Name Plates.

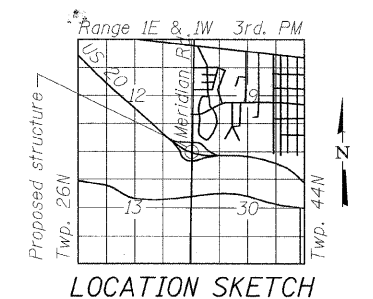


**SECTION THRU PILE SUPPORTED
STUB ABUTMENT**
(Horiz. dim. @ Rt. L's)



SECTION A-A

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson (TSD)
ENGINEER OF BRIDGES AND STRUCTURES



GENERAL PLAN & ELEVATION
MERIDIAN ROAD OVER US 20
F.A.P. 301 (US 20) - SEC. 1-HBR-2
WINNEBAGO COUNTY
STATION 100+00
STRUCTURE NO. 101-0096

Rev. 2-25-10
HOH HARRY O. HETTER-ASSOCIATES, INC.
DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd.
Suite 900
Chicago, IL 60604
312-446-8391

PROJECT
NUMBER
2945