Bench Mark: A264, located at the Galesburg Municipal Airport, set vertically in the southwest face of the terminal building, about 30' southeast of the west corner of the building, and 30'' above the sidewalk. Elevation 764.933

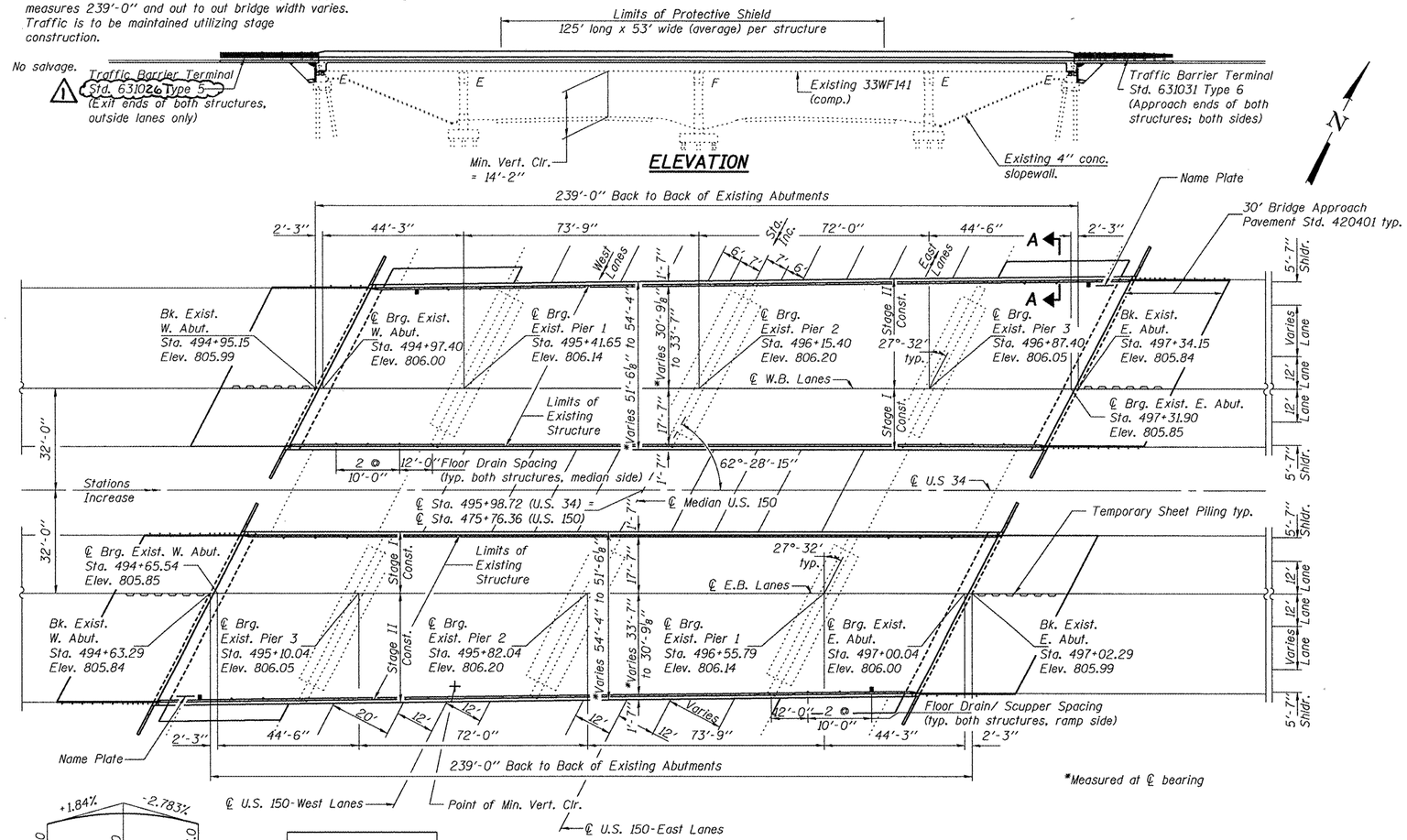
Existing Structure: The existing structures were originally built in 1965 as F.A. Route 29, Section 21HB. The existing structures are four span continuous, non-composite, rolled steel girder structures on pile bent abutments and multi-column piers on pile supported footings. The back to back of abutments measures 239'-0'' and out to out bridge width varies. Traffic is to be maintained utilizing stage construction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 313	(21-HB-1)I	KNOX	55	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
35 SHEETS

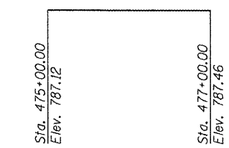
Contract #68216



PLAN

SCOPE OF WORK

1. Remove and replace bearings at the abutments.
2. Repair substructure.
3. Remove existing wingwalls as shown.
4. Repair slopewall. For slopewall Repair, see Roadway Plans.



PROFILE GRADE
(along ℄ U.S. 150 - East Lanes)

STATION 495+98.72
RE-BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 313 - SEC. (21-HB-1)I
LOADING HS20
STRUCTURE NO. 048-0021 (WB)

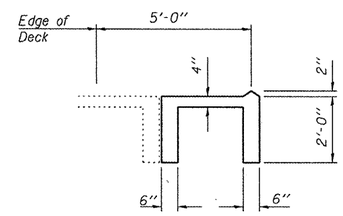
STATION 495+98.72
RE-BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 313 - SEC. (21-HB-1)I
LOADING HS20
STRUCTURE NO. 048-0022 (EB)

NAME PLATE
See Std. 515001

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

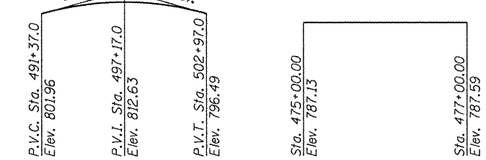
LOADING HS-20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

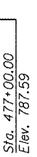


SECTION A-A

Slopewall shall be reinforced with welded wire fabric, 6'' x 6'' - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



PROFILE GRADE
(along ℄ U.S. 34 both structures)



PROFILE GRADE
(along ℄ U.S. 150 - West Lanes)

DESIGNED	Fess - Teklehaimanot	EXAMINED	April 29, 2008 — ENGINEER OF BRIDGE DESIGN
CHECKED	Thomas Daniels	PASSED	Ralph E. Anderson — ENGINEER OF BRIDGES AND STRUCTURES
DRAWN	Greg Farmer		
CHECKED	FT/DPN		

STATE OF ILLINOIS
RALPH E. ANDERSON
081-004625
SPRINGFIELD
LICENSED STRUCTURAL ENGINEER

EXPIRES 11-30-2008

DESIGN STRESSES

FIELD UNITS

New Construction

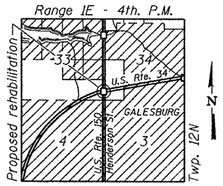
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 36,000 psi (structural steel)

Existing Construction

f'_c = 3,500 psi
f_y = 40,000 psi (reinforcement)
f_y = 36,000 psi (Structural Steel)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.048g
Site Coefficient (S) = 1.1



LOCATION SKETCH

GENERAL PLAN & ELEVATION
U.S. ROUTE 34 OVER
U.S. ROUTE 150 (HENDERSON STREET)
F.A.P. ROUTE 313 - SECTION (21-HB-1)I
KNOX COUNTY
STA. 495+98.72
STRUCTURE NO. 048-0021 (WB)
STRUCTURE NO. 048-0022 (EB)

⚠ REVISED 5-21-08