

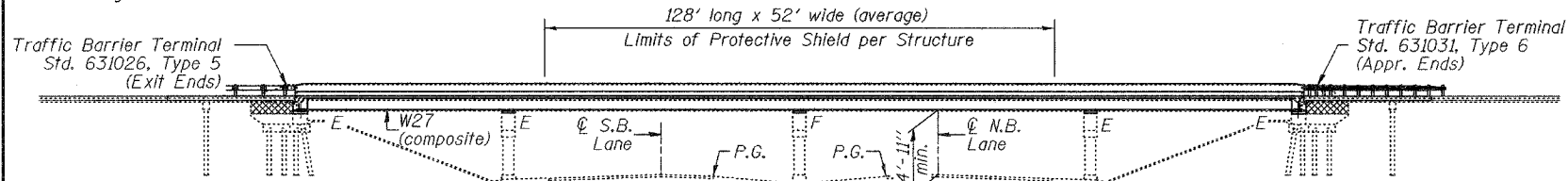
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	3HBR-2	WINNEBAGO	171	87
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

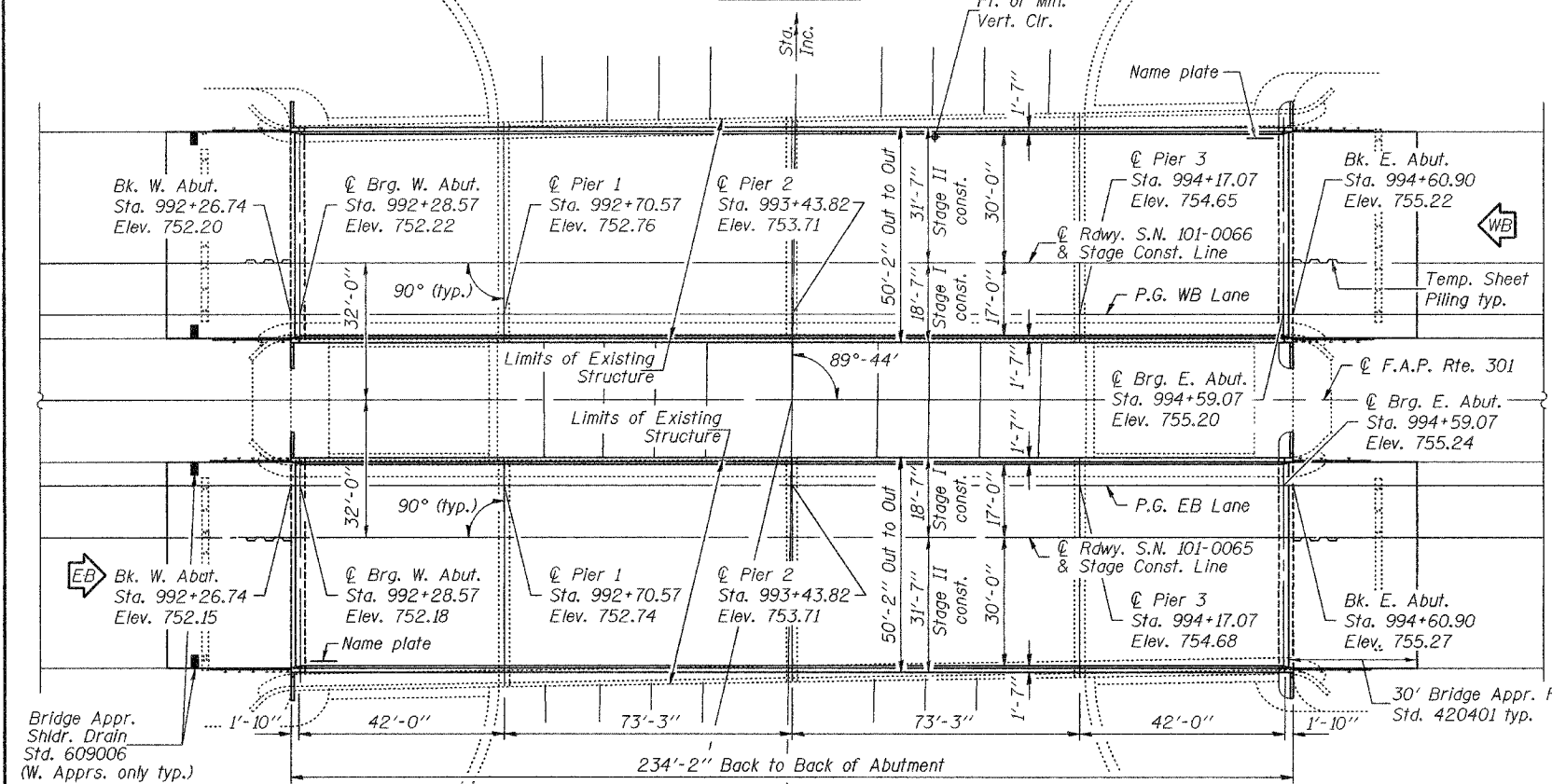
Bench Mark: Mark on top of wingwall of existing EB structure, Elev. 751.95
Mark on top of wingwall of existing WB structure, Elev. 751.70

Existing Structure: S.N. 101-0065 (EB) and 101-0066 (WB) built in 1960 as F.A.P. Route 194, Section 3HB-2. Each dual structure consists of a four span reinforced concrete deck on wide flange steel beams supported by pile bent spill thru abutments and multi-column piers. 234'-2" back-to-back abutments. Varies 49'-8 3/8" to 53'-7 1/4" out-to-out deck. Existing superstructures to be removed and replaced using stage construction.

No salvage



ELEVATION



PLAN

Sta. 991+96.41	Elev. 751.75 (EB)	Elev. 751.81 (WB)
Sta. 994+91.24	Elev. 755.67 (EB)	Elev. 755.61 (WB)

U.S. RTE. 20 PROFILE GRADE
(along P.G.)

DESIGNED	Stephan R. Pagn
CHECKED	Foschia Tok
DRAWN	h.t. duong
CHECKED	SMR/FT

EXAMINED	Thomas J. Smith	Apr. 25, 2008
PASSED	Ralph J. Adams	



EXPIRES 11-30-2008

Sta. 251+00.00	Elev. 734.43 (SB)	Elev. 735.36 (NB)
Sta. 252+00.00	Elev. 734.44 (SB)	Elev. 735.44 (NB)
Sta. 253+00.00	Elev. 734.59 (SB)	Elev. 735.53 (NB)
Sta. 254+00.00	Elev. 734.66 (SB)	Elev. 735.49 (NB)
Sta. 255+00.00	Elev. 734.72 (SB)	Elev. 735.41 (NB)

IL. RTE. 251 EXISTING PROFILE GRADE
(along P.G.)

INDEX OF SHEETS

- General Plan & Elevation
- Stage Construction Details & General Data
- Temporary Concrete Barrier for Stage Construction
- Top of Slab Elevations (E.B. & W.B.)
- Top of Slab Elevations (W.B.)
- Top of Slab Elevations (E.B.)
- Top of West Approach Slab Elevation (W.B.)
- Top of East Approach Slab Elevation (W.B.)
- Top of West Approach Slab Elevation (E.B.)
- Top of East Approach Slab Elevation (E.B.)
- Superstructure (W.B.)
- Superstructure (E.B.)
- Superstructure Details
- Diaphragm Details
- Structural Steel
- Structural Steel Details
- Bearing Details
- Concrete Removal Details
- West Abutment (W.B.)
- East Abutment (W.B.)
- West Abutment (E.B.)
- East Abutment (E.B.)
- Piers
- Cantilever Forming Brackets
- Bar Splicer Assembly Details
- Concrete Parapet Slipforming Option

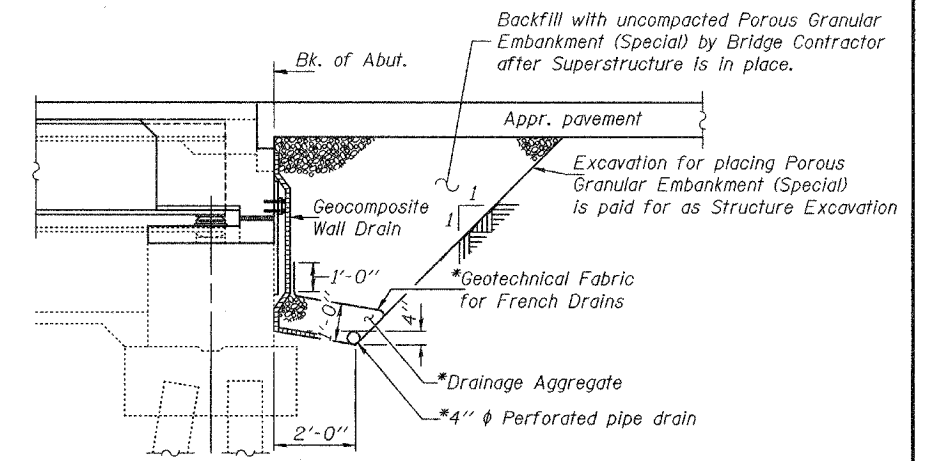
Contract No. 64292

STATION 993+43.82
REBUILT 20 BY
STATE OF ILLINOIS
F.A.P. RT. 301 SEC. 3HBR-2
LOADING HS20
STRUCTURE NO. 101-0065 (E.B.)

STATION 993+43.82
REBUILT 20 BY
STATE OF ILLINOIS
F.A.P. RT. 301 SEC. 3HBR-2
LOADING HS20
STRUCTURE NO. 101-0066 (W.B.)

NAME PLATE

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



SEC. THRU SEMI-INTEGRAL ABUT.

(Horiz. Dimensions @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures, 4".

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

New Construction

- $f_c = 3,500$ psi
- $f_y = 60,000$ psi (reinforcement)
- $f_y = 36,000$ psi (structural steel)
- AASHTO M270 Gr. 36
- $f_y = 50,000$ psi (structural steel)
- AASHTO M270 Gr. 50

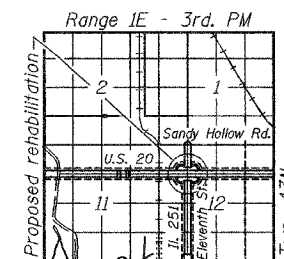
Existing Structure

- $f_c = 1,400$ psi
- $f_s = 20,000$ psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.032g
Site Coefficient (S) = 1.2

Note: All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with each side slopes. The pipes shall drain into concrete headwalls (See Article 601.05 of the Standard Specifications and Highway Standards 601101).



LOCATION SKETCH

GENERAL PLAN & ELEVATION

U.S. ROUTE 20 OVER
ILLINOIS ROUTE 251
F.A.P. RTE. 301 - SEC. 3HBR-2
WINNEBAGO COUNTY
STATION 993+43.82
STRUCTURE NO. 101-0065 (E.B.)
STRUCTURE NO. 101-0066 (W.B.)