

BENCHMARK: Chiseled "Square" on top of Southeast Wingwall, SN 057-0185
Elev. 731.30

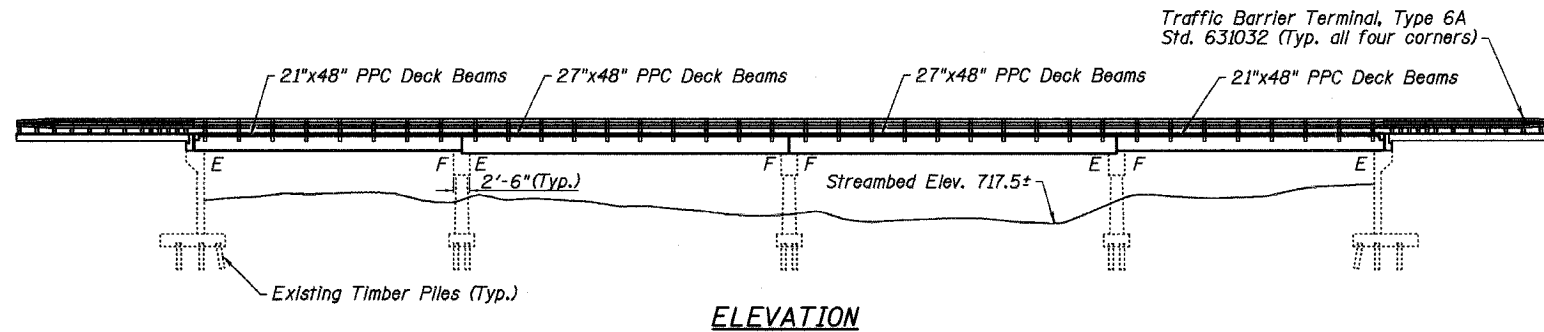
EXISTING STRUCTURE: SN 057-0185 was originally built in 1936 as SBI Rte. 119, Section 102-X. Superstructure replacement and substructure widening occurred in 1972. The superstructure consists of 4 simple spans-two with 21" PPC deck beams and two with 27" PPC deck beams. The substructure consists of reinforced concrete solid shaft piers and closed abutments on timber piles. The back-to-back abutments dimension measures 215'-9 1/2" while the out-to-out width measures 46'-0". The existing superstructure shall be removed and replaced. Road closure shall be used during construction.

No salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 315		MCLEAN	44	13
STA.	TO STA.			
FED. ROAD DIST. NO.	SLAB NO.	FED. AID PROJECT-		
*102X-BR-2			DWG. NO. 1 OF 17	

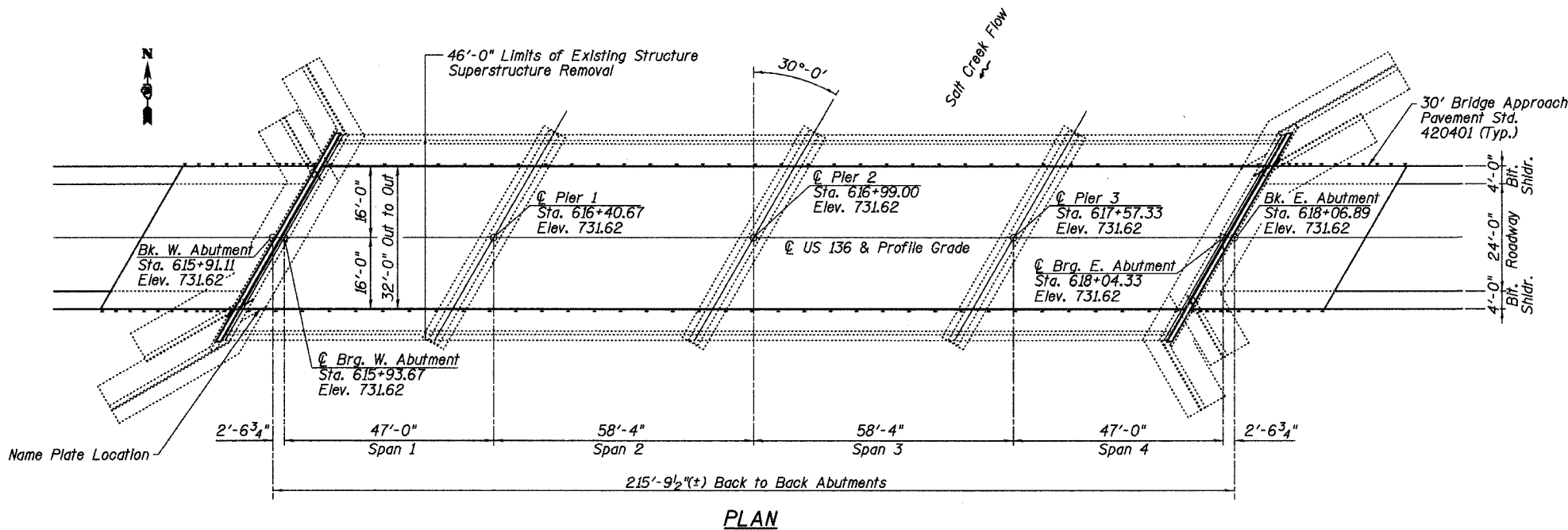
CONTRACT NO. 66584



ELEVATION

STRUCTURE INDEX OF SHEETS

General Plan	Dwg. No. 1 of 17
General Data	Dwg. No. 2 of 17
Superstructure	Dwg. No. 3 of 17
Superstructure Details	Dwg. No. 4-6 of 17
Type SM Steel Bridge Rail	Dwg. No. 7 of 17
Strip Seal Expansion Joint	Dwg. No. 8 of 17
Anchor Bolt Details	Dwg. No. 9 of 17
West Abutment	Dwg. No. 10 of 17
East Abutment	Dwg. No. 11 of 17
Abutment Details	Dwg. No. 12 of 17
Pier 1	Dwg. No. 13 of 17
Pier 2	Dwg. No. 14 of 17
Pier 3	Dwg. No. 15 of 17
Pier Details	Dwg. No. 16 of 17
Bar Splice Assembly Details	Dwg. No. 17 of 17



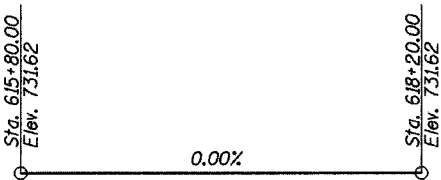
PLAN

SCOPE OF WORK

1. Remove existing surfacing, concrete parapets, aluminum railing and deck beams.
2. Seal existing cracks and repair delaminated/spalled concrete areas on substructure units.
3. Repair beam bearing seats at abutments and piers as required.
4. Reconstruct a four-span PPCD beam superstructure with concrete wearing surface and Steel Bridge Rail Type SM, and new bridge approach pavements.

DESIGN SPECIFICATION

2002 AASHTO
LOADING HS20-44
Allow 50 psf future wearing surface
DESIGN STRESSES
FIELD UNITS
f'c = 5,000 psi (Concrete Wearing Surface)
f'c = 3,500 psi (All concrete except CWS)
fy = 60,000 psi (reinf.)
PRECAST PRESTRESSED UNITS
f'c = 5,000 psi
f'ci = 4,000 psi
f's = 270,000 psi (1/2" low lax strands)
f'sl = 201,960 psi (1/2" low lax strands)
SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.046g
Site Coefficient (S) = 1.2



PROFILE GRADE
(Along \bar{C} Roadway)

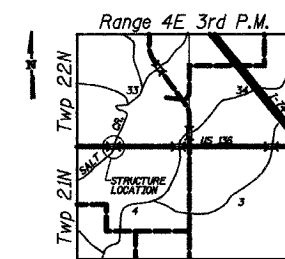
STATION 616+99
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 315 SEC. 102X-BR-2
LOADING HS20
STR. NO. 057-0185

NAME PLATE

Notes:
See Std. 515001
Existing Name Plate shall be cleaned and relocated adjacent to the new plate. Cost included with Name Plates.



EXPIRES 11-30-06
SIGNATURE
10/26/05
DATE



LOCATION SKETCH

GENERAL PLAN
US 136 OVER BRANCH OF SALT CREEK
FAP ROUTE 315 - SECTION 102X-BR-2
MCLEAN COUNTY
STATION 616+99.00
STRUCTURE NO. 057-0185

ESCA
CONSULTANTS, INC.

DESIGNED BY:	ELH	6/05
DRAWN BY:	JDK	6/05
CHECKED BY:	ELH	10/05
APPROVED BY:	RDP	10/05