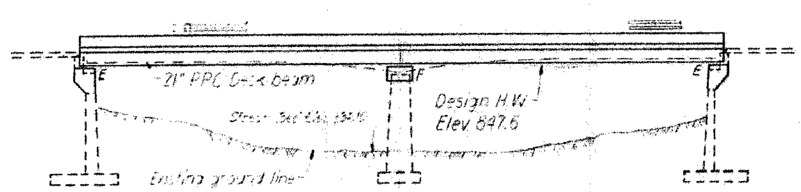
CONTRACT NO. 64583

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	34X-BR	DEKALB	90	47
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

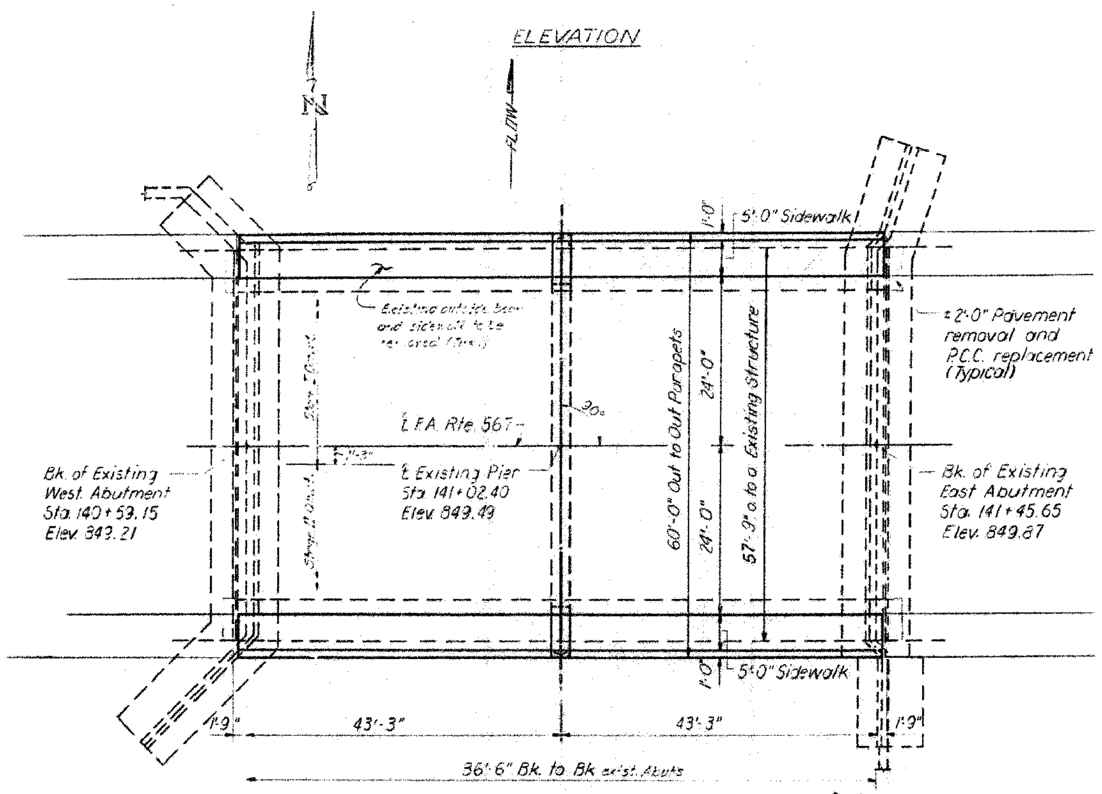
Benchmark: Metal rivet on S.E. Abutment wing wall right of Station 141+46.00. Elev 850.08.
Existing Structure: Two span cont. parabolic RC Deck Girder Bridge. Fascia girders to be removed and replaced with two PPC deck beams, using stage construction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1
9 SHEETS



ELEVATION



PLAN

STATION 141+02.40
REBUILT 19 BY
STATE OF ILLINOIS
F.A. 567 SEC. 34-X-BY
F.A. PROJ. F-567(19)
LOADING HS20
**STR. NO.

NAME PLATE
(See Std. 2113)

** Structure Number to be supplied by District

GENERAL NOTES

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

Expansion bolts shall consist of self-drilling expansion anchors and ⅜" ϕ hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete unless otherwise shown.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

Limits of waterproofing membrane system shall be back to back of abutments.

Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 53 Grade 60.

TOTAL BILL OF MATERIALS

Item	Unit	Super	Sub	Total
Bituminous Concrete Surface Course, Class I	Ton	53		53
Waterproofing Membrane System	Sq. Yd.	485		485
Concrete Removal	Cu. Yd.	62	10	72
Protective Coat	Sq. Yd.	165		165
Expansion Bolts (⅜" ϕ)	Each		60	60
Class X Concrete	Cu. Yd.	56.3	19.9	76.2
Precast Prestressed Concrete Deck Beams (21")	Sq. Ft.	1245		1245
Reinforcement Bars	Pound	2110	1010	3120
Temporary Concrete Barrier	Lin. Ft.	90		90
Aluminum Railing, Type L	Lin. Ft.	174		174
Reinforcement Bars (Epoxy Coated)	Pound	2610		2610
Name Plates	Each	1		1
Portland Cement Mortar Fairing Course	Lin. Ft.	178		178
* Deck Slab Repair (Partial Depth)	Sq. Yd.	90		90
Pavement Removal and P.C.C. Replacement Type I (10")	Sq. Yd.	7		7

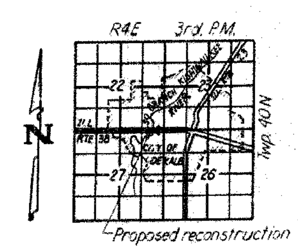
* (See Special Provisions)

DESIGN STRESSES
f'c = 5,000 p.s.i.
f'ci = 4,000 p.s.i.
f's = 270,000 p.s.i. (½" ϕ Strands)
fsi = 189,000 p.s.i. (½" ϕ Strands)

FIELD UNITS
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i.

LOADING HS 20-44
Design Specifications: 1977 AASHTO, and 1976 Interim Spec's as applicable.
Allow 25 #/Sq. Ft. for future wearing surface.

WATERWAY INFORMATION
Drainage Area .... 77.7 Sq. Miles
Design Discharge (50 Year) .... 3336 cfs
Existing Opening .... 770 Sq. Ft.
Required Opening .... 770 Sq. Ft.
Proposed Opening .... 770 Sq. Ft.
Created Head for Design Flood .... .24 Ft.
100 Year Discharge .... 3767 cfs
Created Head .... .3 Ft.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 38 OVER
SO. BRANCH OF KISHWAUKEE RIVER
F.A. ROUTE 567 SECTION 34-X-BY
DEKALB COUNTY
STATION 141+02.40

DESIGNED	
CHECKED	J. I. Gonulsen
DRAWN	R. D. C. 3-79
CHECKED	J. I. G.

March 20 1979
EXAMINED Carl E. Thunman Jr.
PASSED
APPROVED

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FAP RTE 567 (IL RTE 38)
SECTION 34X-BR
DEKALB COUNTY

SCALE: VERT. HORIZ.
DATE 2/24/06
DRAWN BY SUTHEARD
CHECKED BY BOTT

GREENE & BRADFORD, INC. OF SPRINGFIELD

COMPUTER FILE NO. D10800EPLN
PROJECT 05198
2/27/06-MDS

EXISTING BRIDGE PLANS

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF
OPERATOR = $USER$