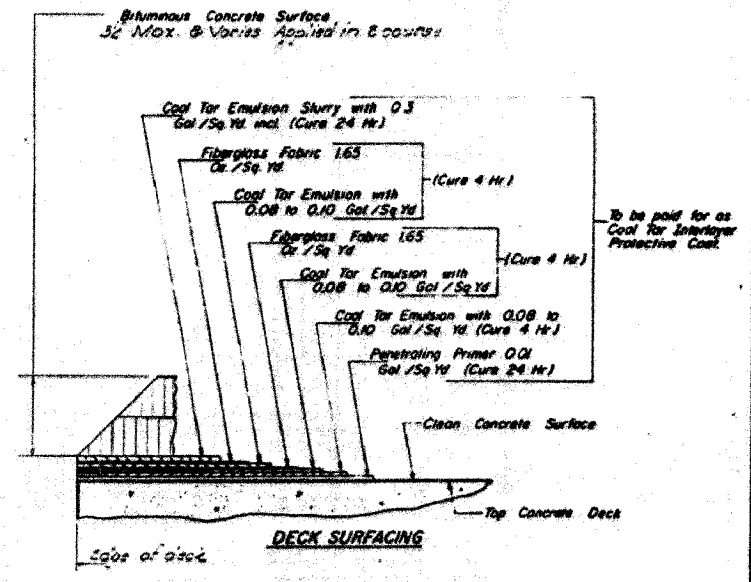
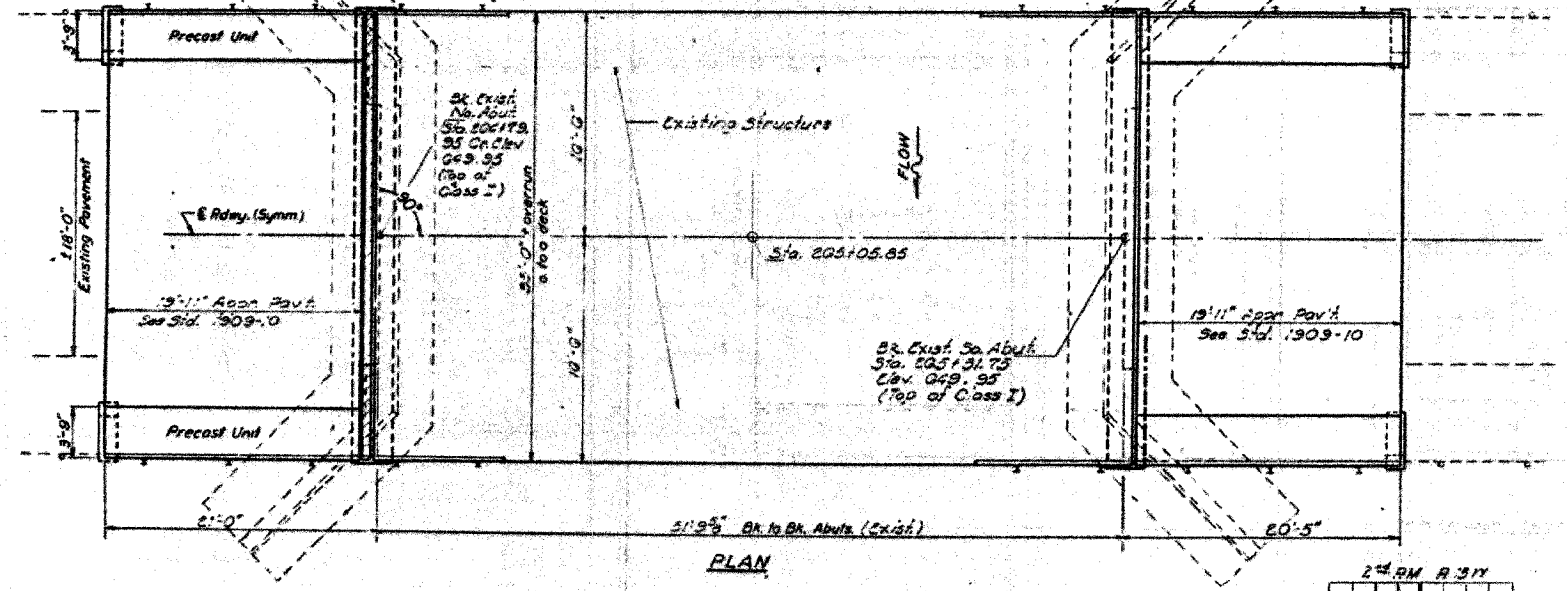
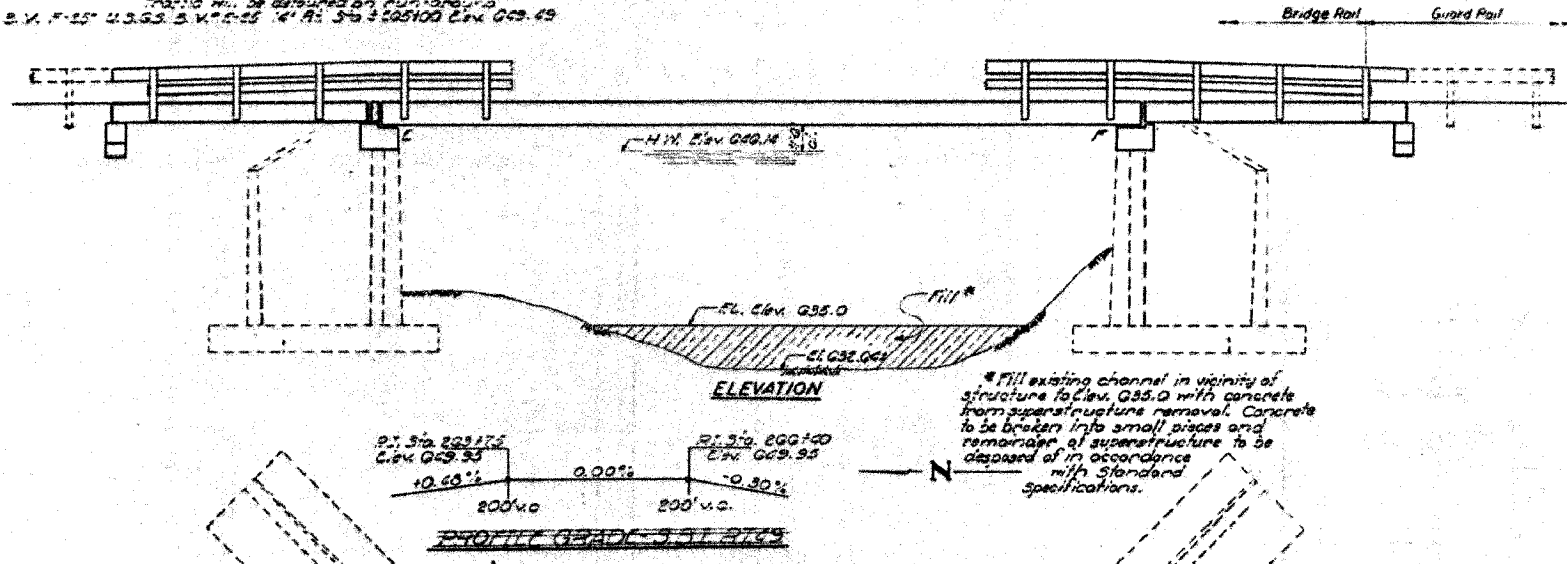


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	136 BR-1	IROQUOIS	45	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

3. The 20' x 40' Section 136 B, Sta 6+00.00, Year 1967
 Existing Structure 40' Span Green on Slotted Abutments
 Superstructure 136-0100, 136-0102 with
 Superstructure to be removed
 and replaced. Structures to be
 widened. Changes shown and
 indicated by Bridge Contractor
 There will be a minimum 2' clearance
 S. Y. F-25' U.S.G.S. 2. V. 25. 74' At Sta 6+051.00 E. N. 03-49

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

DESIGNED	CHECKED	DRAWN	DATE
J. Schwelke	J. Schwelke	J. Schwelke	12/7/05



GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

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

An alternate strand pattern using Extra High-Strength Prestressing strand (270 ksi) is permitted.

Expansion bolts shall consist of self-drilling expansion anchors and 1/2" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete, unless otherwise shown.

Shoulder transition to wingwall shall be shaped with broken concrete. Cool incidental.

Units of Cool Tar Interlayer Protective Coat shall be 100 sq. yd. of 4" spaced to 10" center of Prestressing Joint See an Allow. 23% off for future reworking surfaces.

Design Specifications 445+10, 1309 as applicable.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Pavement Removal	Sq. Yds.	80		80
Name Bats	Each		1	1
Prestressed Joint Sealer (E4)	Lin. Ft.	33		33
Concrete Removal	Cu. Yds.		7	7
Expansion Bolts (4x)	Each		52	52
Class X Concrete	Cu. Yds.	1.0	18.0	19.0
Precast Concrete Bridge Slab	Sq. Ft.	299		299
Precast Prestressed Concrete Deck Beams (27)	Sq. Ft.	1729		1729
Steel Rolling, Type W	Lin. Ft.		175	175
Reinforcement Bars	Lbs.		2350	2350
P.C. Base Course 10 1/2 x 10 1/2 x 1 1/2	Sq. Yds.	118		118
Removal of Existing Superstructures	Each		1	1
Cool Tar Interlayer Protective Coat	Sq. Yds.	192		192
Bit. Conc. Surface Course Class I	Sq. Yds.		27	27

DESIGNED: J. Schwelke
 CHECKED: J. Schwelke
 DRAWN: J. Schwelke
 DATE: May 18, 1971

DESIGN STRESSES

FIELD UNITS PRECAST PRESTR. UNITS

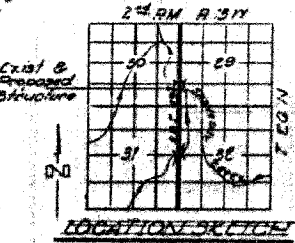
$f_c = 1400$ psi (super) $f_c = 5000$ psi

$f_c = 1000$ psi (sub) $f_c = 4000$ psi

$f_s = 20,000$ psi (rein) $f_s = 248,000$ psi

$v_c = 75$ psi (footing) $f_{ci} = 173,600$ psi

$n = 10$



GENERAL PLAN & ELEVATION
 OVER SHAYTAL CREEK
 301' AT 39' - 510' AT 39'
 IROQUOIS COUNTY
 STA 6+051.00

FOR INFORMATION ONLY

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FAP RTE 840 (IL RTE 49)
 SECTION 136 BR-1
 IROQUOIS COUNTY

SCALE: VERT. DRAWN BY: LANDREY
 HORIZ. DATE: 12/7/05 CHECKED BY: BOTT

GREENE & BRADFORD, INC.
 OF SPRINGFIELD

COMPUTER FILE NO.
 03236_W012.EPLN
 PROJECT 03236 W012
 12/7/05 - MML

FILE NAME: J:\03236\w012\gbr\w012\gbr\03236_W012.EPLN.dwg
 PLOT SCALE: 1/8" = 1'-0"
 REFERENCE: REF.
 OPERATOR: michal11