CONTRACT NO. 66668

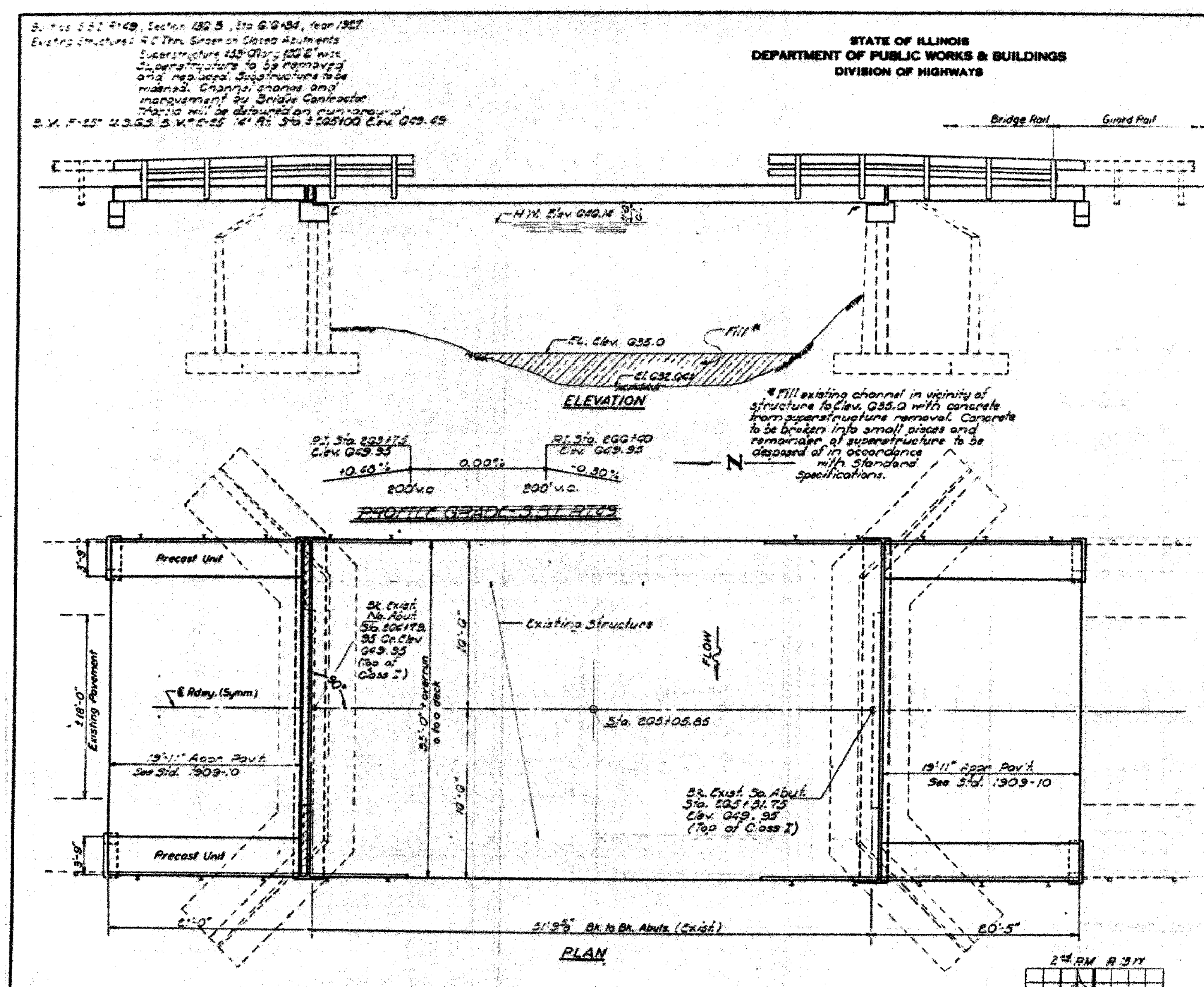
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	136 BR-1	IROQUOIS	45	23

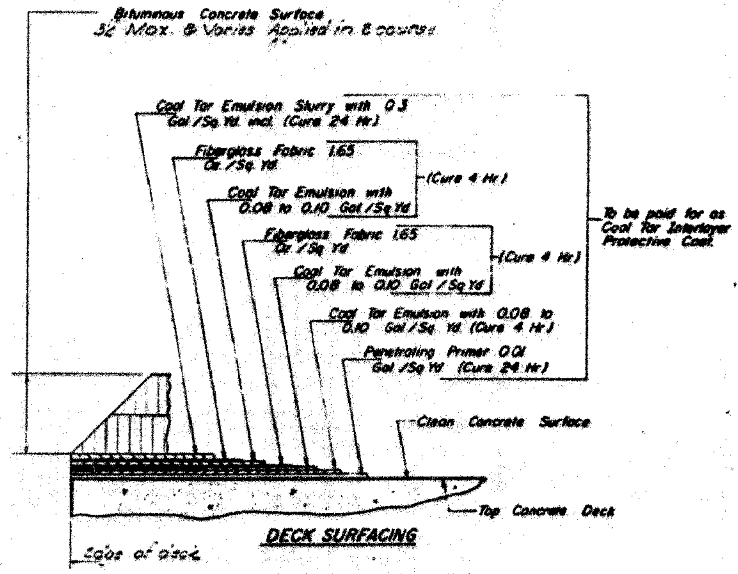
STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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

SHEET NO. 1
7 SHEETS





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 and conditions 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 ¾" ø 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. Cost incidental.

Limits of Coal Tar Interlayer Protective Coat shall be from center of ¢ sawed joint to the center of Preformed Joint Sealer. Allow 25#/s.f. for future wearing surface.

Design Specifications AASHO, 1969 as applicable.

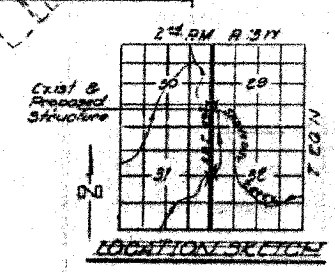
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Pavement Removal	Sq. Yds.	60		60
Name Plate	Each		1	1
Preformed Joint Sealer (2½")	Lin. Ft.	33		33
Concrete Removal	Cu. Yds.		7	7
Expansion Bolts (¾"ø)	Each		32	32
Class X Concrete	Cu. Yds.	1.6	18.6	20.2
Precast Concrete Bridge Slab	Sq. Ft.	299		299
Precast Prestressed Concrete Deck Beams (21")	Sq. Ft.	1729		1729
Steel Railing, Type W	Lin. Ft.	175		175
Reinforcement Bars	Lbs.		2330	2330
P.C.C. Base Course	Sq. Yds.	113		113
Removal of Existing Superstructures	Each	1		1
Coal Tar Interlayer Protective Coat	Sq. Yds.	192		192
Bit. Conc. Surface Course Class I	Tons	27		27

DESIGN STRESSES

FIELD UNITS	PRECAST PRESTR. UNITS
f'c = 1400 psi (super)	f'c = 5000 psi
f'c = 1000 psi (sub)	f'ci = 4000 psi
fs = 20,000 psi (reinf.)	f's = 248,000 psi
Vc = 75 psi (footing)	fsi = 173,600 psi
n = 10	

LOADING HS 20-44



GENERAL PLAN & ELEVATION

G-1 Complete Re-Lettering

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

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

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

GREENE & BRADFORD, INC. OF SPRINGFIELD

COMPUTER FILE NO. 03236_W012_EPLN

PROJECT 03236 W012
12/7/05 - MML

FOR INFORMATION ONLY