

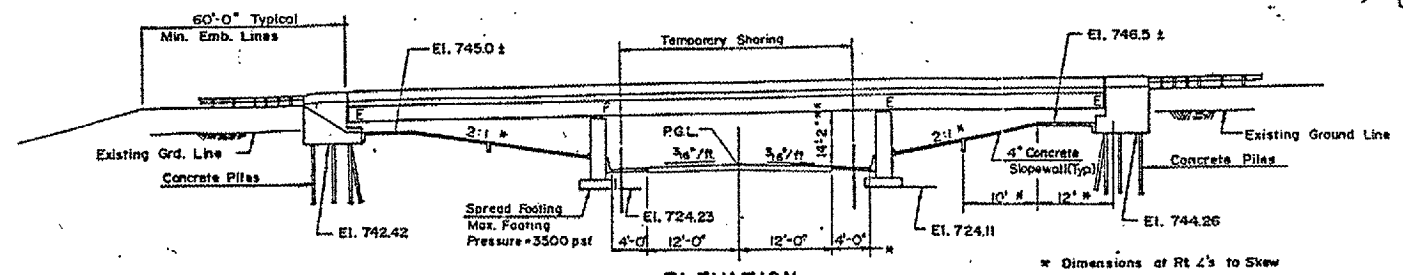
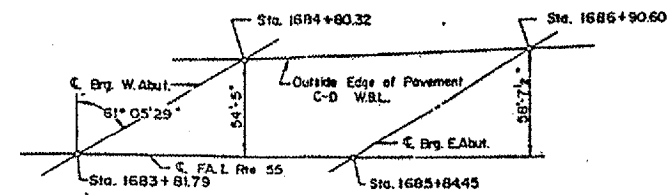
ROUTE Various	SECTION 2004-089I	COUNTY COOK	TOTAL SHEETS 27	SHEET NUMBER 24
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CONTRACT 62833

Bench Mark: Painted spot on north side of light standard AE-3, South of East Bound Lane Structures. Elevation 751.76

Existing Structure: The existing superstructure three span, non-composite, and continuous with W36 beams and reinforced concrete deck. The existing substructure consists of open concrete abutments on piles and solid concrete piers on spread footings. The structure length is 210'-8" back to back of abutments. The total structure width is 109'-10". Existing S.N. 099-0028

X-2 GATES
FENCE 660 LIN FT.

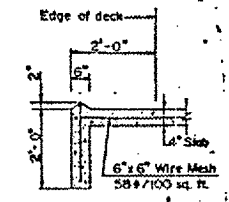


- NOTES**
- All existing bearings or abutments only shall be replaced with Elastomeric bearings. See sheet S-1C-2-3.
 - The 1" longitudinal joint along the median parapet shall be resented as shown on sheet S-1C-2-13.
 - See Maintenance of Traffic plans for traffic control during construction.
 - Temporary shoring shall be provided during construction as shown or as required. Cost incidental to Structure Excavation, Common.
 - Sloped walls removed for the construction of Abutments and Piers shall be replaced with Concrete Slopedwall. See sheet S-1C-2-7.

- Special Bridge Approach Slab Widening See Sheet S-1C-2-22 for details.
- Bridge Approach Shoulder Pavement with drain. See IDOT Standard 2324-6 for details.
- Bridge Approach Shoulder Pavement without drain. See IDOT Standard 2324-6 for details.

* Dimensions at Rt 4's to Skew
** Existing Joliet Road profile shall be lowered in order to maintain existing clearance. See roadway plans for details.

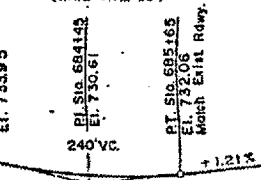
WIDENING ALIGNMENT LAYOUT



SECTION A-A

NOTE 1: Profile grade shown at top of proposed conc. overlay. Profile of existing wa is 1/4" below proposed w.a. Approaches shall be scarified & repaved to meet proposed grade. See Roadway Plans.

PROFILE GRADE (F.A.L. RTE. 55)



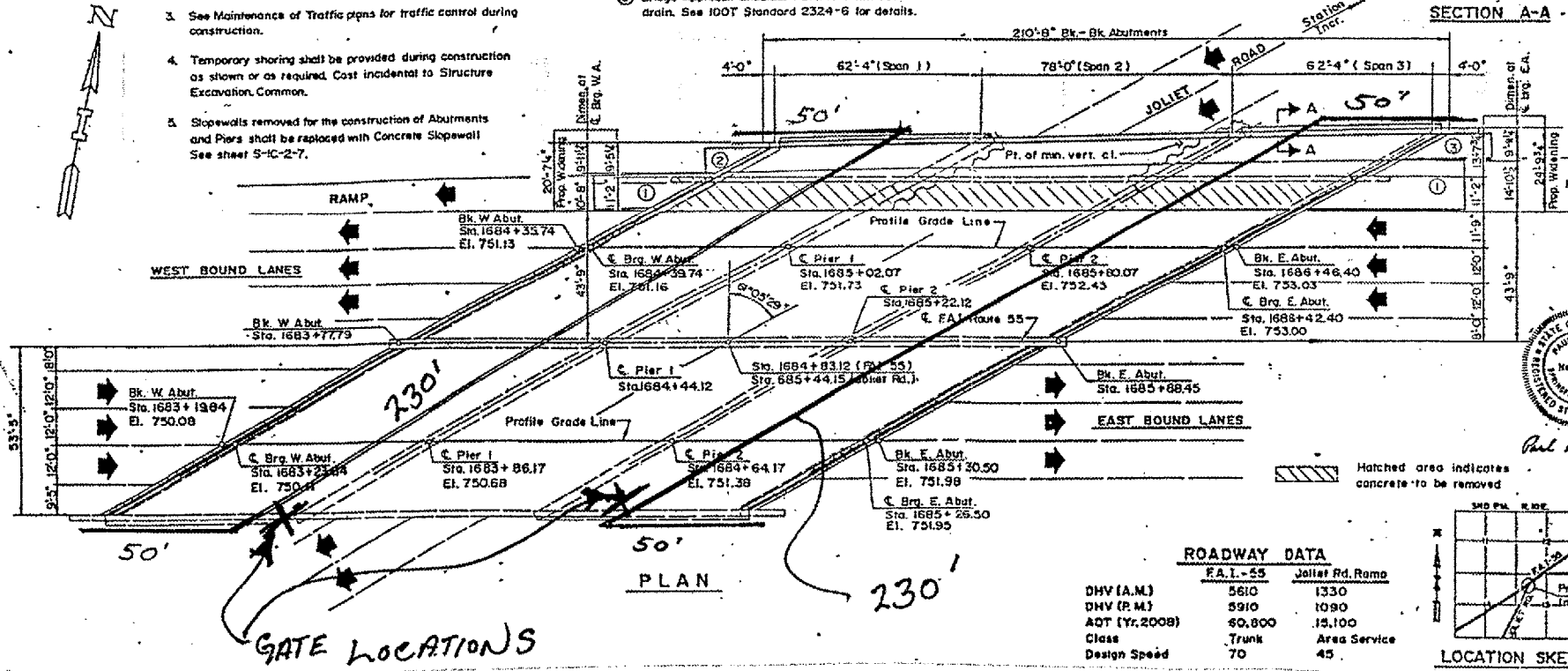
PROFILE GRADE (JOLIET ROAD)

DESIGN CRITERIA (Widened Portion Only)

- DESIGN SPECIFICATIONS:**
AASHTO 1983 Standard Specifications for Highway Bridges and all subsequent interims.
1987 Standard Specifications for the Illinois State Toll Highway Authority.
1983 Standard Specifications for Road and Bridge Construction, Illinois Department of Transportation.
- DESIGN LOADING:**
Live Load for Highway Bridges - HS20-44 and the Alternate Military Loading.
Surfacing or Future Surfacing 25 psf (minimum).
- DESIGN STRESSES:**
Service Load Design Methods shall be used in the design of all structural elements.

- Reinforced Concrete**
f_c - Compressive Strength @ 28 days = 4,000 psi
- Reinforcement**
f_y - Yield Strength (Grade 60) = 60,000 psi
f_s - Tension (Grade 60) = 24,000 psi
- Structural Steel**
f_y - Yield Strength (AASHTO M-183) = 35,000 psi

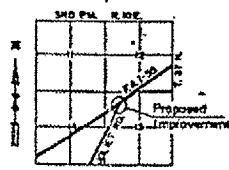
LIVE LOAD DEFLECTION
Maximum deflection due to live load plus impact, shall not exceed the following:



GATE LOCATIONS

ROADWAY DATA

	F.A.L. - 55	Joliet Rd. Ramp
DHV (A.M.)	5610	1330
DHV (P.M.)	5910	1090
ADT (Yr. 2008)	60,800	15,100
Class	Trunk	Area Service
Design Speed	70	45



LOCATION SKETCH

REVISIONS		CONTRACT CIP-611 F.A.L. ROUTE 55 OVER JOLIET ROAD BRIDGE NO. GENERAL PLAN AND ELEVATION
NO.	DATE	

LOCATION NO. 16