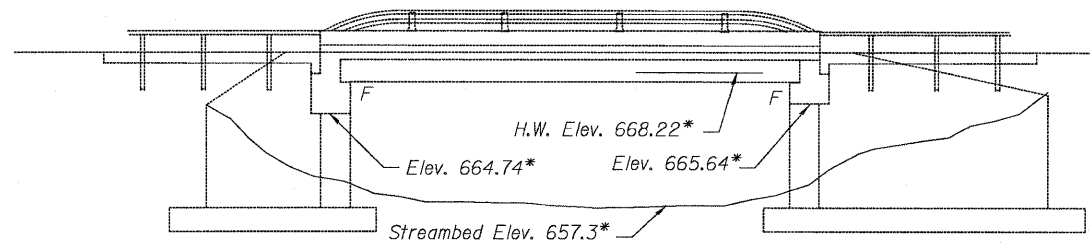
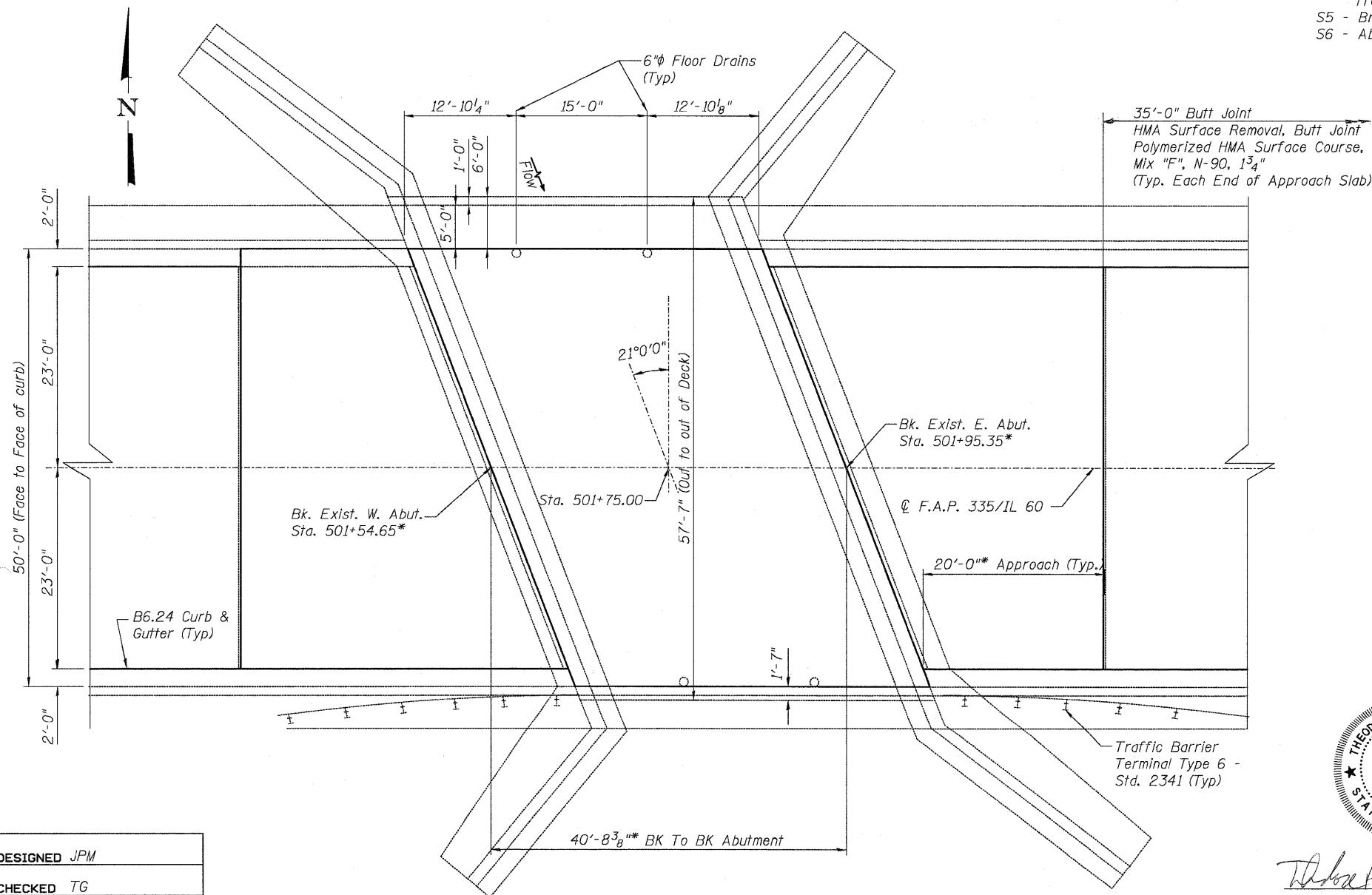


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Existing Structure: S.N. 049-0037, original bridge built as four lane single span structure in 1941. Reconstructed in 1987 with the superstructure completely replaced with Reinforced Concrete deck slab on Steel Beams as F.A.U. Rte. 1246 (IL Rte. 60), Sec. 119&120(R)-(85) at Sta. 501+75. The structure measures 40'-8<sup>3</sup>/<sub>8</sub>"± Bk. to Bk. Abutments and 57'-7" Out to Out Deck. The substructures consists of Reinforced Concrete closed abutments. Traffic is to be maintained utilizing stage construction. One lane for each direction will be provided.



ELEVATION



PLAN

SCOPE OF WORK

1. Partial Depth Slab repairs.
2. Hydroscarify 1/2 inch bridge deck slab surface.
3. Reconstruction of transverse joints.
4. Place 2 1/4 inch latex concrete overlay.
5. Patch & Overlay approaches.
6. Structural Repairs of Concrete to substructures.

INDEX OF SHEETS

- S1 - General Plan & Elevation
- S2 - Stage Construction Details
- S3 - Temporary Concrete Barrier
- S4 - Bridge Deck & Approach Patching Plan and Transverse Joint Reconstruction Details
- S5 - Bridge Deck & Approach Improvement Plan
- S6 - Abutments Repairs

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications, 17th Edition.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi

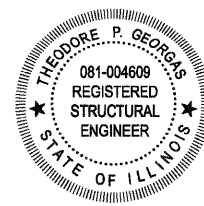
LAST DELAMINATION SURVEY

October 2009

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Approach Slab Repair (Full Depth)	Sq. Yd.	13	-	13
Approach Slab Repair (Partial Depth)	Sq. Yd.	4	-	4
Bridge Deck Grooving	Sq. Yd.	218	-	218
Bridge Deck Hydro-scarification 1/2"	Sq. Yd.	227	-	227
Bridge Deck Latex Concrete Overlay, 2 1/4"	Sq. Yd.	227	-	227
Polymer Concrete	Cu. Ft.	7	-	7
Comb. Curb & Gutter Removal & Replacement	Foot	20	-	20
Epoxy Crack Injection	Foot	-	29	29
Polymerized Hot-Mix Asphalt Surface Course, Mix "F", N-90, 1 3/4"	Tons	66	-	66
Protective Coat	Sq. Yd.	227	-	227
Structural Repair of Concrete (Depth equal to or less 5 inches)	Sq. Ft.	-	76	76
Clean and Reseal Relief Joint	Foot	92	-	92
Hot-Mix Asphalt Surface Removal, Butt Joint	Sq. Yd.	358	-	358

GENERAL PLAN AND ELEVATION  
FAP 335/ILL 60 (KENNEDY RD.)  
OVER MIDDLE FORK OF N. BRANCH CHICAGO RIVER  
LAKE COUNTY  
STATION 501+75.00  
STRUCTURE NO. 049-0037



*Theodore P. Georgas* 3-1-10  
Theodore P. Georgas Date  
Licensed Structural Engineer  
State of Illinois 081-4609  
Expires 11/30/2010

\* Information taken from 1987 existing plans.

DESIGNED	JPM
CHECKED	TG
DRAWN	MPS
CHECKED	JPM, TG



SHEET NO. S1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	335	120 R-I-1	LAKE	18	8
S6 SHEETS	CONTRACT NO. 60J54			ILLINOIS FED. AID PROJECT	