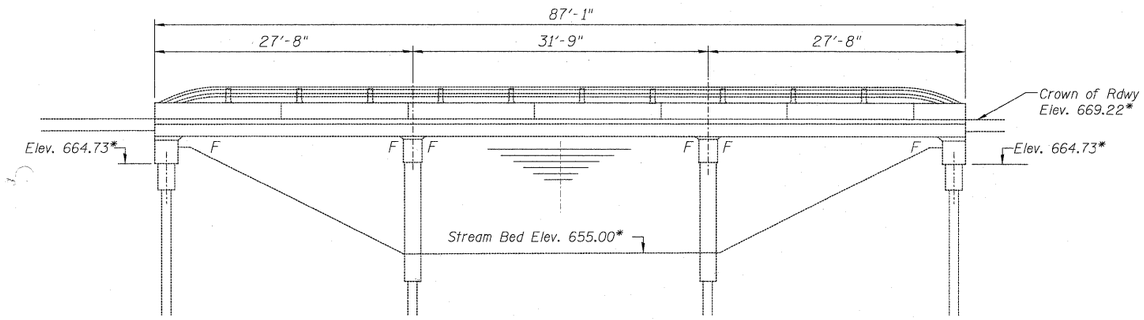
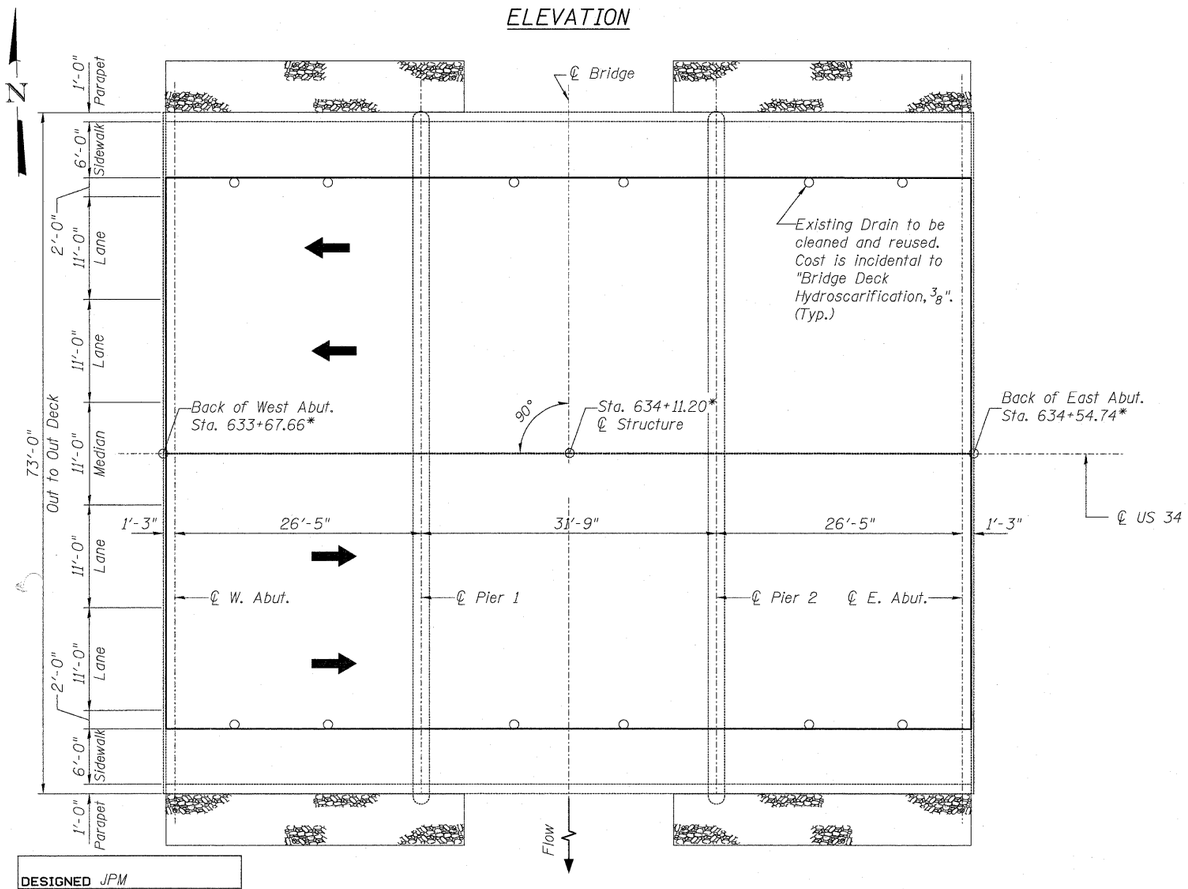
Existing Structure: SN 022-0148 - In 1982 the bridge was completely replaced with shorter and wider structure with three-span Reinforced Concrete slab. The structure measures 73'-0" Out to Out Deck and 87'-1" Bk. to Bk. Abutments. The substructures consists of Reinforced Concrete integral abutments and two wall type piers.
Traffic is to be maintained utilizing stage construction. One lane for both directions will be provided.

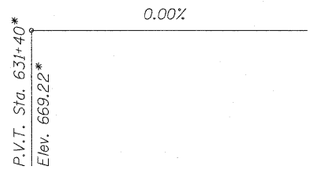
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



PLAN



PROFILE GRADE AT ℄ STRUCTURE

Information taken from 1982 plans

SCOPE OF WORK

1. Remove existing latex concrete overlay (WB lane).
2. Hydroscarify 3/8 inch slab surface.
3. Structural repairs of concrete to parapets.
4. Full & partial depth slab repairs.
5. Eliminate longitudinal joint in median.
6. 3 inch latex concrete overlay (WB lane).
7. Patch & Overlay approaches with Thin Polymer.
8. Reconstruct Pavement Relief Joints.

INDEX OF SHEETS

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
Bridge Deck Hydro-Scarification 3"	Sq. Yd.	249	-	249
Concrete Removal	Cu. Yd.	44	-	44
Concrete Superstructure	Cu. Yd.	46	-	46
Reinforcement Bars, Epoxy Coated	Pound	9,750	-	9,750
Bridge Deck Hydro-scarification 3/8"	Sq. Yd.	249	-	249
Bridge Deck Thin Polymer Overlay, 3/8"	Sq. Yd.	565	-	565
Protective Coat	Sq. Yd.	578	-	578
Polymer Concrete	Cu. Ft.	4	-	4
Bridge Deck Latex Concrete Overlay, 3"	Sq. Yd.	250	-	250
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	121	-	121
Approach Slab Repair (Partial Depth)	Sq. Yd.	42	-	42
Deck Slab Repair (Full Depth Type I)	Sq. Yd.	4	-	4
Deck Slab Repair (Full Depth Type II)	Sq. Yd.	18	-	18
Sidewalk Removal & Replacement	Sq. Ft.	304	-	304
Comb. Curb & Gutter Removal & Replacement	Ft.	69	-	69
Polymerized Hot-Mix Asphalt Surface Course, Mix "F", N-90, 2"	Tons	22	-	22
Hot-Mix Asphalt Surface Removal, 2"	Sq. Yd.	254	-	254
Clean and Reseal Relief Joint	Foot	114	-	114

1

THEODORE P. GEORGAS
081-004609
REGISTERED STRUCTURAL ENGINEER
STATE OF ILLINOIS

3-26-10
Theodore P. Georgas Date
Licensed Structural Engineer
State of Illinois 081-4609
Expires 11/30/2010

* Information taken from 1982 existing plans.

DESIGNED	JPM
CHECKED	TG
DRAWN	MPS
CHECKED	JPM, TG

Primera
100 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . P:312-606-0900 F:312-606-0415

GENERAL PLAN AND ELEVATION
FAP 311/US34 (OGDEN AVE) OVER EAST BRANCH DUPAGE RIVER
DUPAGE COUNTY
STATION 634+11.20
STRUCTURE NO. 022-0148

SHEET NO. S1	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S7 SHEETS	311	10 B-I	DUPAGE	20	9
			CONTRACT NO. 60J45		
		ILLINOIS FED. AID PROJECT			