

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Benchmark: Chiseled "□" S-W Curb bridge Sta. 533+51 0/S 21' RT. Elev. 697.82

Existing Structure: S.N. 099-0079 built in 1949 as a single span reinforced cast in place concrete T-beam bridge on closed abutments on spread footings. The structure measures 53'-0" Back to Back of abutments and 40'-4" out to out of deck. Traffic is to be maintained utilizing stage construction. One lane of traffic for both directions will be provided by using temporary traffic signals.

Salvage: None.

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

Reinforcement Bars designated (E) shall be epoxy coated.

Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60 (IL modified)

Existing name plate is to be removed, cleaned and relocated on the inside face of railing as shown. Cost included in Concrete Removal.

No future wearing surface will be allowed.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS (new construction)	EXIST. CONSTRUCTION
f'c = 3,500 psi	f'c = 3,000 psi (Superstr.)
fy = 60,000 psi	f'c = 2,000 psi (Substr.)
	fy = 40,000 psi (Reinf.)

LAST DELAMINATION SURVEY

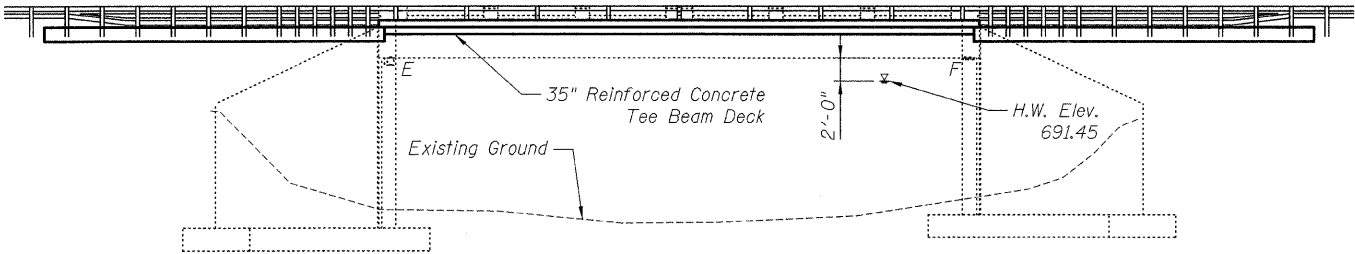
November 20, 2007

INDEX OF SHEETS

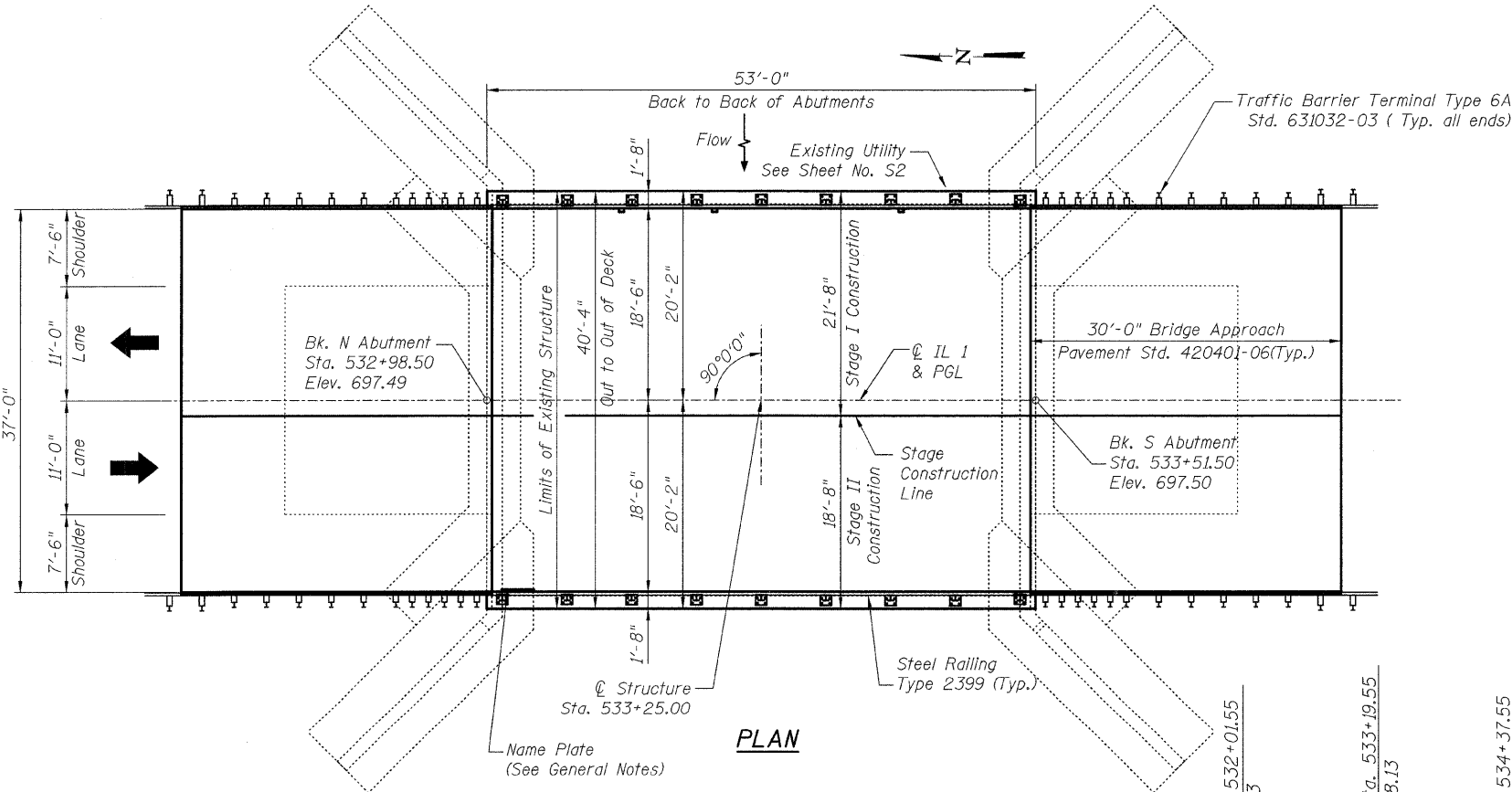
- S1. General Plan & Elevation
- S2. Stage Construction Details
- S3. Temporary Concrete Barrier
- S4. Abutment Repairs
- S5. Beam Repairs
- S6. Deck Removal and Repairs
- S7. Superstructure Details
- S8. Steel Railing, Type 2399

SCOPE OF WORK

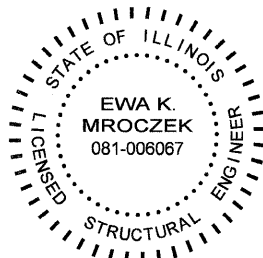
- 1. Hydroscarify slab surface.
- 2. Place Latex Concrete Overlay.
- 3. Sawcut Groove Deck Surface.
- 4. Concrete Repairs to the beams and substructure.
- 5. Concrete Railing Removal and Replacement with Steel Railing.
- 6. Protective Coat on Deck and Curb.
- 7. Bridge Approach Pavement Removal and Replacement (See Roadway Sheets for Details).



ELEVATION



PLAN

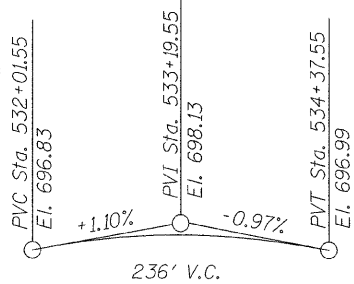


DATE: 1/13/2009  
SEAL EXPIRES: 11/30/2010

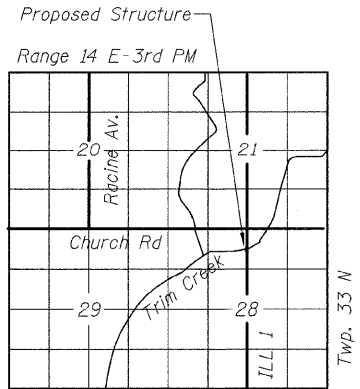
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	6.7
Concrete Superstructure	Cu.Yd.	5.8
Bridge Deck Grooving	Sq.Yd.	214
Protective Coat	Sq.Yd.	248
Reinforcement Bars, Epoxy Coated	Pound	960
Steel Railing, Type 2399	Foot	106
* Plug Existing Drains	Each	4
* Bridge Deck Latex Concrete Overlay, 2 1/4 inches	Sq.Yd.	218
* Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq.Ft.	284
* Bridge Deck Hydro-Scarification 1/2"	Sq.Yd.	218
* Deck Drain Extensions	Each	8

\* Special Provision



PROFILE GRADE



LOCATION SKETCH

GENERAL PLAN AND ELEVATION  
IL 1 OVER TRIM CREEK  
STA. 533+25  
S.N. 099-0079

SHEET NO. S1 S8 SHEETS	F.A.P. RTE. 332	SECTION 8 R-B-I-2	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 16
	CONTRACT NO. 60D81				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

DESIGNED	B. Sauter
CHECKED	E. Mroczek
DRAWN	R. Danley
CHECKED	B. Sauter

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