

Bench Mark: 6 M. C. Crisal 2 On N.E. Corner of Bridge On Wheel Guard Sta. 750+00 12.6' Lt. El. 421.93
 Existing Structure: 12' Wide Frame Spans w/ Poured In Place Conc. Deck All On Pile Bent Abuts. and Piers.
 Bk. to Bk. Abuts. 800'-0" and 25'-0" wide. (Str. No. 065-0003)
 Salvage: None

DESIGN SPECIFICATIONS

Design Specifications = AASHTO 1983
 And 1984, 1985 Interim Specifications.

Allow 25' sq. ft. for future wearing surface.

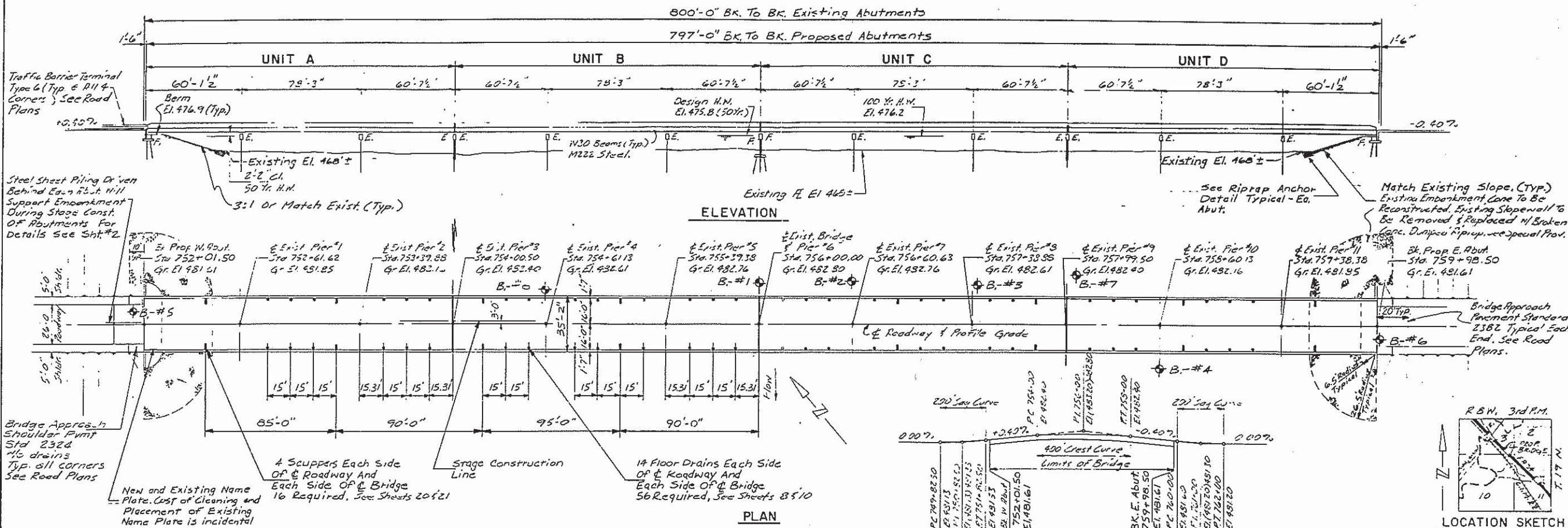
DESIGN STRESSES

$f'_c = 2500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (MZZZ Structural Steel)

* Epoxy coated reinforcement bars shall be used in the deck slab.

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34	2BR-1	Menard	39	8

Sheet 1 of 26 Sheets



BORING LOCATIONS

Boring No.	Locations
B-#1	Sta 756+00 26.5' L.T.
B-#2	Sta 756+60.5 27' L.T.
B-#3	Sta 757+42 25.5' L.T.
B-#4	Sta 758+60 27.5' R.T.
B-#5	Sta 751+91 6.5' L.T.
B-#6	Sta 760+07 6.5' R.T.
B-#7	Sta 758+06 27' L.T.
B-#8	Sta 754+61 22' L.T.

STATION 756+00 BUILT 198 BY STATE OF ILLINOIS FA. RT. 34 SEC. 2BR-1 FA. PROJ. 13-F-3d(14) LOADING HS20 STR. NO. 065-0003

NAME PLATE

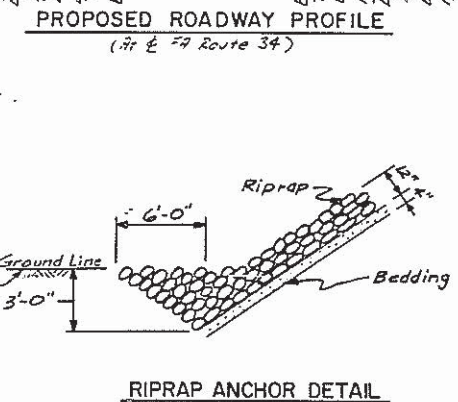
WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Channeling S.I. El.		Wtd. H.M.E.	Head. Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Main Channel	50	71800	10426	10426	475.8	0.82	0.82	475.62	476.62
			8471	8471					
Overbank	100	81700			476.2	0.90	0.90	477.10	477.10
Max. Overtop	Total								

TOTAL BILL OF MATERIALS

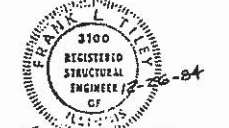
ITEM	UNIT	SUPER	SUB	TOTAL
* Removal of Existing Structures	L. Sum	-	-	1
Structure Excavation	Cu. Yd.	-	-	560
Floor Drains	Each	56	-	56
Protective Coat	Sq. Yd.	3476	-	3476
Class X Concrete	Cu. Yd.	864.7	360.3	1225.0
Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	11,660	-	11,660
Reinforcement Bars	Pound	-	39,700	39,700
Reinforcement Bars (Epoxy Coated)	Pound	219,490	-	219,490
Precast Concrete Piles 16"	Lin. Ft.	-	2353	2353
Concrete Piles	Lin. Ft.	-	960	960
Test Piles Precast Concrete	Each	-	4	4
Test Pile Concrete	Each	-	3	3
* Temporary Sheet Piling	Sq. Ft.	-	-	400
Name Plates	Each	-	-	1
Preformed Joint Seal 2 1/2"	Lin. Ft.	35	-	35
Elastomeric Bearing Assembly, Type I	Each	-	-	40
Elastomeric Bearing Assembly, Type II	Each	-	-	20
Temporary Concrete Barrier	Lin. Ft.	-	-	1600
Drainage Scuppers	Each	16	-	16
* Neoprene Expansion Joint 6 1/2"	Lin. Ft.	68	-	68
* Broken Concrete Dumped Riprap	Sq. Yd.	-	-	600
Slope Wall Removal	Sq. Yd.	-	-	525

* See Special Provisions



APPROVED FOR STRUCTURAL ADJUSTMENT ONLY

James R. Payton
 PROJECT ENGINEER



Frank A. Tilly
 ILLINOIS STRUCTURAL NO. 3100

LOADING HS20-44

GENERAL PLAN & ELEVATION
 SANGAMON RIVER OVERFLOW BRIDGE
 F.A. ROUTE 34 (ILLINOIS ROUTE 97)
 SECTION 2BR-1
 MENARD COUNTY
 STATION 756+00

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065-0003