Benchmark: Chiseled "□" N-E Wingwall 23.5' RT. Sta. 524+29. Elev. 651.63

Existing Structure: SN 039-0128 built in 1928 and widened in 1980 as a 2 span continuous R.C. slab. The structure measures 44'-0" Bk. to Bk. Abutments and 44'-6" Out to Out Deck. Traffic is to be maintained utilizing stage construction. One lane for both directions will be provided by using temporary traffic signals.

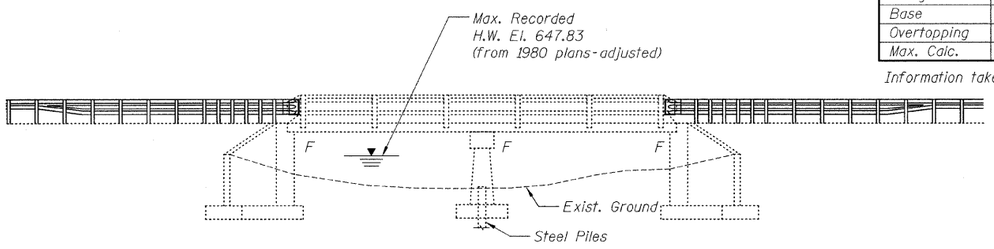
Salvage: None.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

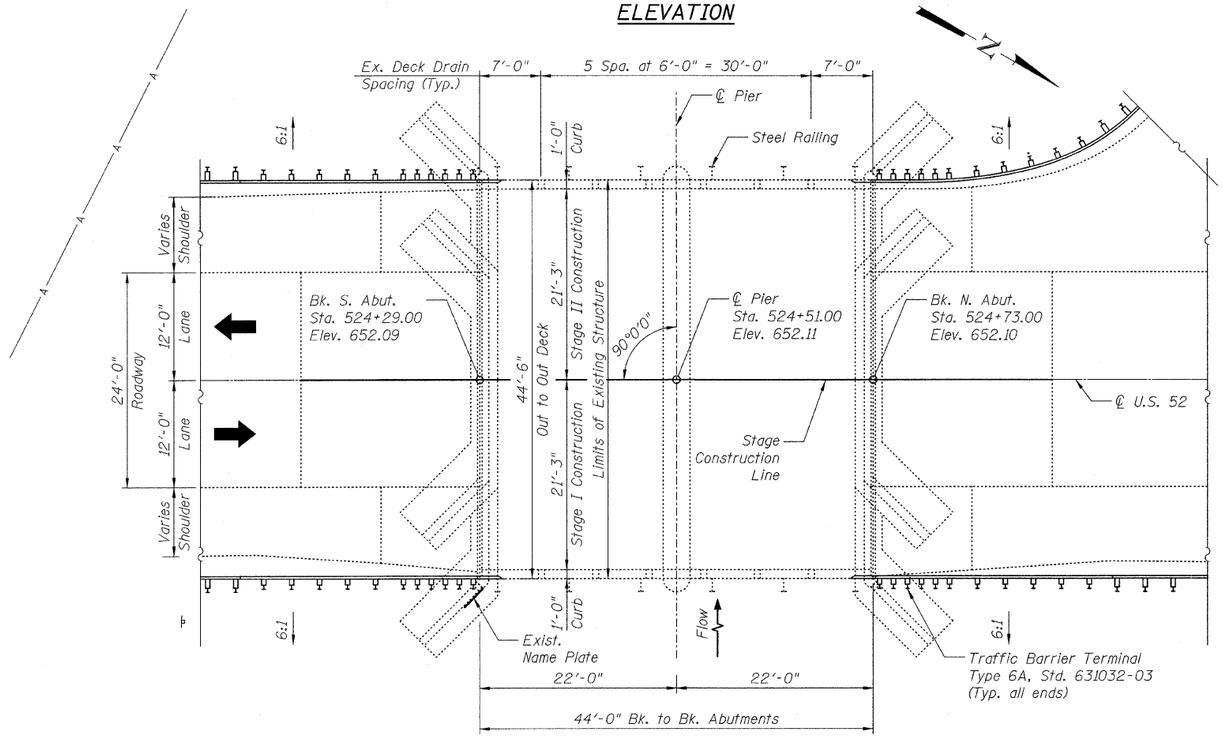
WATERWAY INFORMATION

Drainage Area = 4,960 Acres			Low Grade Elev. = 652.35			AT Sta. 524+00			
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10								
Design	50	955	214	214	649.63	0.9	0.9	650.53	650.53
Base	100	1100	218	218	649.73	1.1	1.1	650.83	650.83
Overtopping									
Max. Calc.	500	1416	230	230	650.03	1.65	1.65	651.73	651.73

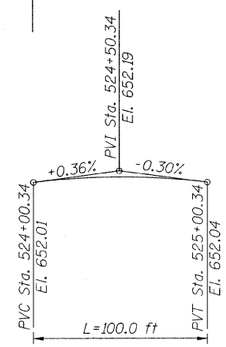
Information taken from 1980 plans and adjusted to project datum.



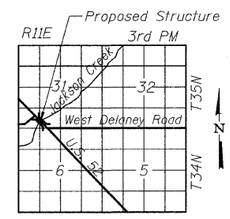
ELEVATION



PLAN



PROFILE GRADE



LOCATION SKETCH

SCOPE OF WORK

1. Remove existing HMA wearing surface
2. Hydroscarify slab surface
3. Concrete Repairs (west edge and east curb)
4. Clean and paint exposed rebars
5. Full depth slab repairs
6. Place Concrete Overlay
7. Sawcut Groove Deck Surface
8. R&R Wearing surface both approaches (See Roadway Drawings)

INDEX OF SHEETS

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 shall conform to the requirements of ASTM A706 Grade 60 See Special Provisions.

Reinforcement Bars designated (E) shall be epoxy coated.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specfications

DESIGN STRESSES

FIELD UNITS

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

LAST DELAMINATION SURVEY

November 8, 2007

TOTAL BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
*	Hot-Mix Asphalt Surface Removal (Deck)	Sq.Yd.	208
	Bridge Deck Grooving	Sq.Yd.	208
	Protective Coat	Sq.Yd.	208
*	Cleaning and Painting Exposed Rebar	Sq.Ft.	450
*	Bridge Deck Latex Concrete Overlay, 2 1/2 inches	Sq.Yd.	208
*	Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq.Ft.	29
*	Bridge Deck Hydro-Scarification 1/2"	Sq.Yd.	208
*	Deck Drain Extensions	Each	12
*	Deck Slab Repair (Full Depth, Type I)	Sq.Yd.	1.1
*	Deck Slab Repair (Full Depth, Type II)	Sq.Yd.	5.1

* Special Provision

STATE OF ILLINOIS
EWA K. MROCZEK
081-006067
LICENSED STRUCTURAL ENGINEER

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

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

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

GENERAL PLAN AND ELEVATION
U.S. 52 OVER N. BR. JACKSON CREEK
STA. 524+51.00
S.N. 099-0129

SHEET NO. S1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S6 SHEETS	852	18 B-4-R-1	WILL	27	17
			CONTRACT NO. 60D84		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

rdanley 1/13/2009

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