

EXISTING STRUCTURE: S.N. 060-0198, originally constructed in 1974 as F.A.I. Route 55 Section 60-3HB-1 at Station 363+22.00, using 54" welded plate girders with 8" concrete deck, 2 spans, 300'-8" back-back approach bents, 68'-0" out-of-width, vaulted abutments on concrete piles, multi-column piers with footings on concrete piles. Bituminous wearing surface added (year unknown).

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

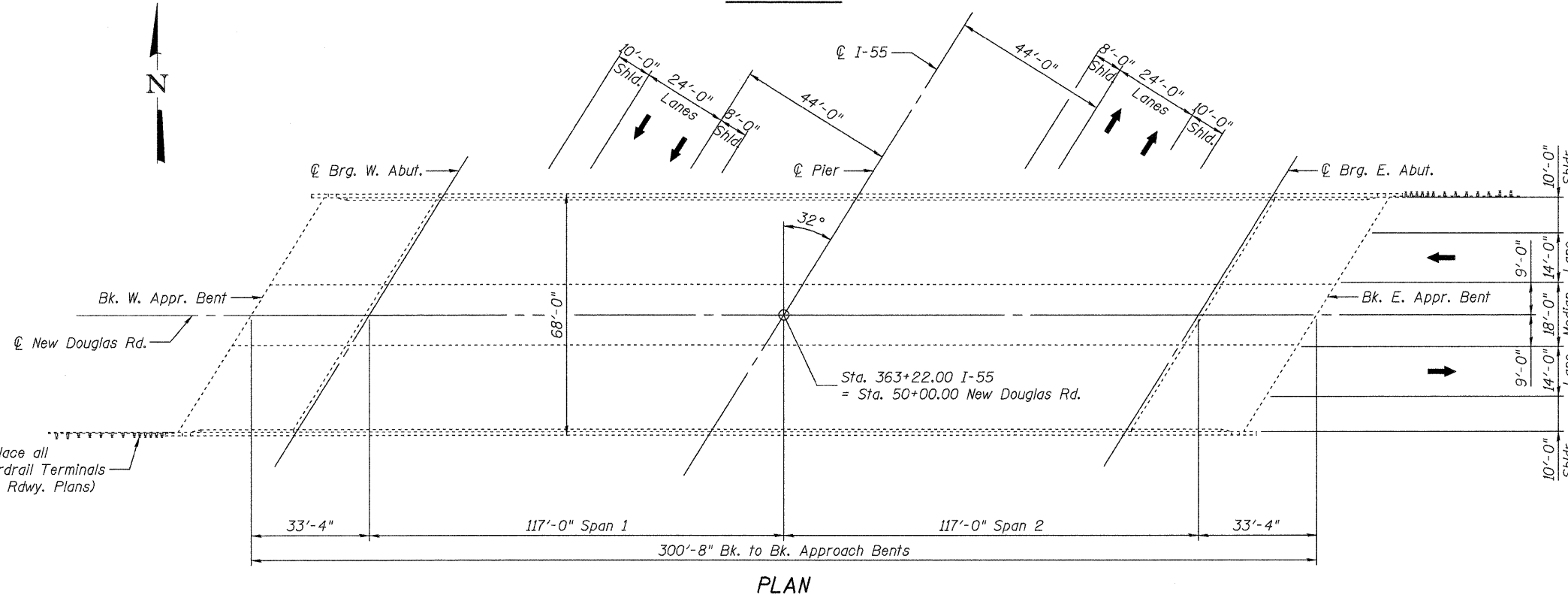
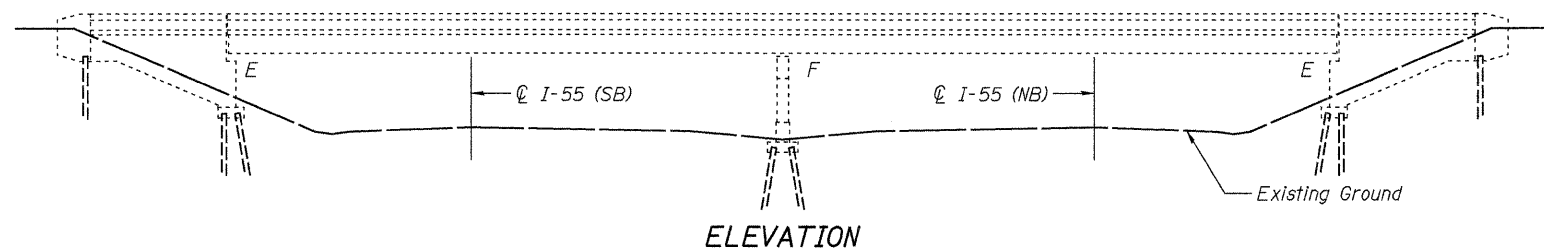
- 1 Gen Plan, Gen Notes, Bill of Mat'l
- 2 Deck Repairs
- 3 Parapet Extension
- 4-5 Expansion Joint Repairs
- 6 Preformed Joint Strip Seal
- 7 Bearings
- 8-10 Abutments
- 11 Bar Splicer Assembly Details

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
No field welding is permitted except as specified in the contract documents.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
Where shown on the plans, reinforcement bars shall be epoxy grouted into existing concrete according to Section 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
Protective Shield shall be provided for the full width of the bridge deck over the roadway below from edge of shoulder to edge of shoulder.
Protective Coat shall be applied to the surfaces of the deck and parapets, including the wings.
Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.
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.

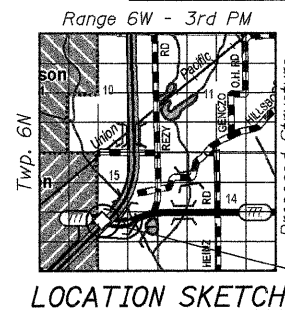
Staged construction shall be used to maintain one lane of traffic in each direction.

No Salvage.



TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Hot-Mix Asphalt Surface Removal (Deck)	Sq Yd	1584	--	1584
Concrete Removal	Cu Yd	16.4	--	16.4
Bridge Rail Removal	Foot	591	--	591
Protective Shield	Sq Yd	749	--	749
Concrete Structures	Cu Yd	--	10.8	10.8
Concrete Superstructure	Cu Yd	31.3	--	31.3
Bridge Deck Grooving	Sq Yd	1450	--	1450
Protective Coat	Sq Yd	2462	--	2462
Furnishing And Erecting Structural Steel	Pound	--	3280	3280
Jack And Remove Existing Bearings	Each	--	18	18
Cleaning And Painting Steel Bridge No. 2	L Sum	1	--	1
Cont. & Disp. of Lead Paint Clean. Resid. No.2	L Sum	1	--	1
Reinforcement Bars, Epoxy Coated	Pound	6940	2960	9900
Bar Splicers	Each	24	--	24
Preformed Joint Strip Seal	Foot	160	--	160
Elastomeric Bearing Assembly, Type I	Each	--	18	18
Anchor Bolts, 1"	Each	--	36	36
Concrete Sealer	Sq Ft	--	432	432
Structural Repair Of Concrete (Depth = < 5")	Sq Ft	--	430	430
Bridge Deck Microsilica Concrete Overlay 2 1/4"	Sq Yd	1546	--	1546
Bridge Deck Hydro-Scarification 1/2"	Sq Yd	1546	--	1546
Deck Slab Repair (Full Depth, Type II)	Sq Yd	4	--	4



GENERAL PLAN & ELEVATION
NEW DOUGLAS ROAD OVER I-55
F.A.I. RTE. 55 SECTION 60-3HB-1
MADISON COUNTY
STATION 363+22.00
STRUCTURE NO. 060-0198

SHEET	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	55	60-3RS-1, 60-3HB,3HB-1II	MADISON	123	93
OF 11		STA. 363+22.00			CONTRACT NO. 76601
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: CMV DRAWN: P. Ray
CHECKED: DCD CHECKED: CMV/DCD



Signed: *David Depp*
Date: *6-22-2010*
Lic. Expires: 11-30-2010

FILE: J:\DO\101095_IL-08W99-I-55 Madison Bridge Repairs\2-NewDouglasRd\0600198-76601-001-gplan.dgn
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