

EXISTING STRUCTURE: S.N. 058-0101(NB) & 0102(SB), originally constructed in 1976 as FA Route 412 Sec. 58-20HVB at Station 133+62.02, using rolled and welded steel I-girders with 8" concrete deck and 1 1/2" bituminous wearing surface, 4 spans, 291'-3 1/2" back-back abutments, variable out-out width, open stub abutments on concrete piles, multi-column piers with footings on concrete piles.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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GENERAL NOTES

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
 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.
 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.
 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".
 All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.
 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, and over the railroad for 10 feet each side of the track centerline.
 Elevations shown on these plans are based on the original 1975 plan elevations, not the current datum. The original plan elevations may be used to establish a temporary benchmark for construction.

TOTAL BILL OF MATERIAL

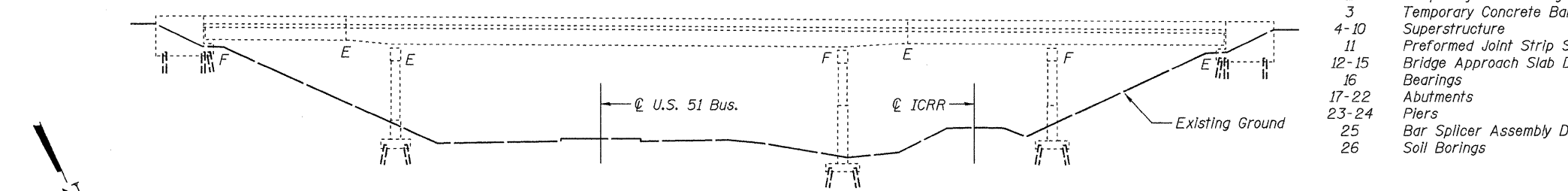
ITEM	UNIT	SB	NB
Porous Granular Embankment, Special	Cu Yd	167	209
Hot-Mix Asphalt Surface Removal (Deck)	Sq Yd	1327	1603
Concrete Removal	Cu Yd	52.7	63.1
Protective Shield	Sq Yd	558	664
Structure Excavation	Cu Yd	167	209
Concrete Structures	Cu Yd	50.8	58.4
Concrete Superstructure	Cu Yd	162.7	197.4
Bridge Deck Grooving	Sq Yd	1523	1855
Protective Coat	Sq Yd	1851	2184
Furnishing And Erecting Structural Steel	Pound	1100	1260
Jack And Remove Existing Bearings	Each	7	8
Reinforcement Bars, Epoxy Coated	Pound	40390	48040
Bar Splicers	Each	391	408
Temporary Sheet Piling	Sq Ft	328	334
Preformed Joint Strip Seal	Foot	178	213
Elastomeric Bearing Assembly, Type I	Each	7	8
Anchor Bolts, 1"	Each	14	16
Geocomposite Wall Drain	Sq Yd	75	89
Pipe Underdrains For Structures 4"	Foot	243	260
Structural Repair Of Concrete (Depth = < 5")	Sq Ft	24	22
Bridge Deck Microsilica Concrete Overlay 2 1/4"	Sq Yd	1248	1507
Bridge Deck Hydro-Scarification 1/2"	Sq Yd	1248	1507
Deck Slab Repair (Full Depth, Type II)	Sq Yd	15	17

GENERAL PLAN & ELEVATION
U.S. 51 OVER U.S. 51 BUS. & ICRR
F.A.P. RTE. 322 SECTION (58-20)RS
MACON COUNTY
STATION 133+62.02
STRUCTURE NO. 058-0101(NB) & 0102(SB)

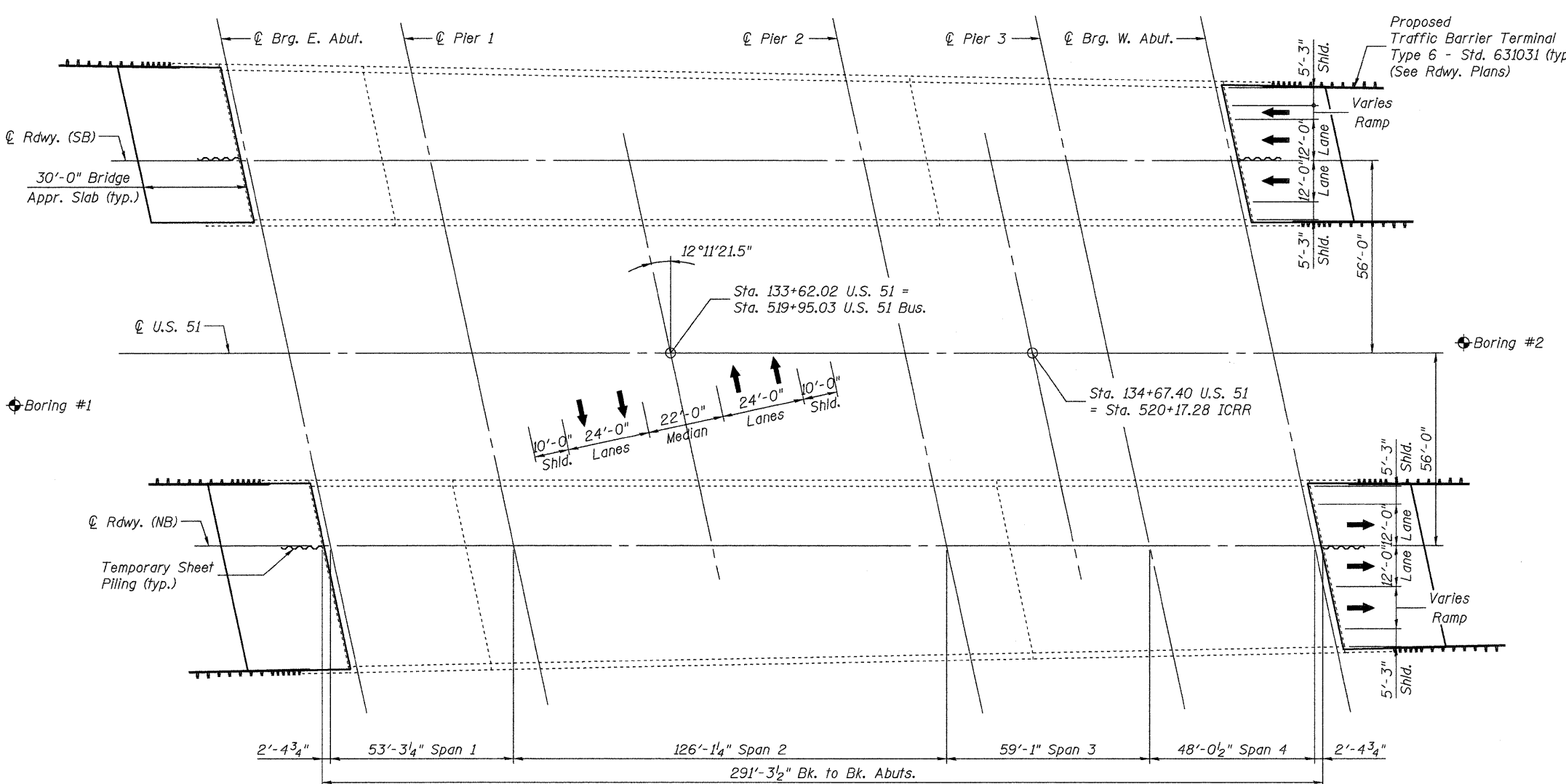


SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	322	(58-20)RS	MACON	151	66
OF 26		STA. 133+62.02	CONTRACT NO.	74150	
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

ELEVATION



PLAN



JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: JDQ	DRAWN: PTR
CHECKED: DCD	CHECKED: DCD

STATE OF ILLINOIS
DAVID C. DEPP
081-006117
LICENSED STRUCTURAL ENGINEER

Signed: *David Depp*
Date: 4-9-2010
Lic. Expires: 11-30-2010

DATE: 04/09/2010 12:24:02 USER: DCD FILE: J:\JDO\MOI77 IL-DTVV#8 USSIBridge Repair\8-1\SSIBus-ICRR\0580101-74150-001-gplan.dgn