

ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 39	201-1BR	WINNEBAGO	13	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 64857

GENERAL NOTES

All materials and construction methods used on this contract shall conform to Standard Specification for Road and Bridge Construction adopted January 1, 2007 and Supplemental Specifications and Recurring Special Provisions, adopted January 1, 2007. All materials testing shall conform to IDOT requirements, except as modified by the special provisions.

All steel shall be hot dipped galvanized in accordance with AASHTO M 111 or M 232 unless otherwise noted.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

Epoxy coated rebar that has been cut or the coating damaged shall be recoated in accordance with article 508.05 of the Standard Specifications.

Post-tensioning strand shall conform to the requirements of AASHTO M203 Grade 270, low-relaxation.

Strand size 0.6"
 Modulus of elasticity 28,500 ksi
 Friction coefficient 0.25
 Wobble coefficient 0.0002/ft
 Anchor set 3/8"

Field testing in accordance with the Special Provisions shall be performed to establish the actual friction and wobble coefficients.

Post-tensioning bars shall conform to the requirements of AASHTO M 275, Grade 150, Type 2.

Modulus of elasticity 29,000 ksi
 Anchor set 1/6"

Access to the box girder interiors is provided by a 3'x3' access opening in the bottom slab of the box girder near each abutment.

All construction joints shall be bonded in accordance with Section 503.09(b)(2), the surface of existing concrete that has been partially removed shall be free of loose material. Loose material and cement paste shall be removed by washing with water under pressure or by sandblasting. All box girder faces where deviator concrete is cast against, shall be roughened to a full amplitude of 1/4". Roughening shall be performed by sandblasting or waterblasting. The use of impact hammers shall not be allowed.

Deviator and Abutment Anchorage concrete shall be self-consolidating and shall be poured through a cored hole of 4" maximum diameter located as shown in these plans. Maximum coarse aggregate size shall be 3/8". Cored web holes and 1/2" grout vents shall be completely filled with concrete. Any necessary repairs shall be carried out as directed by the Engineer using an approved epoxy grout.

Plan dimensions and details relative to existing structures have been taken from existing plans and are subject to nominal construction variations. It shall be the contractor's responsibility to verify such dimensions and details in the field 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 the scope of work, however, the contractor will be paid for the quantity actually furnished at the unit price for work.

It shall be the contractor's responsibility to verify all dimensions and conditions existing in the field, which may affect the details and clearances of all components parts, prior to construction, fabrication and ordering of materials. The contractor shall be responsible for the proper fitting and assembly of all parts of this work and shall indicate on all shop drawings which dimensions were obtained by actual field measurements.

The Contractor shall miss existing post-tensioning components and reinforcement when drilling holes in the existing structure.

All exposed concrete corners shall be chamfered 3/4" unless otherwise noted.

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TOTAL BILL OF MATERIAL

PAY ITEM	UNIT	STAGE 1	STAGE 2	TOTAL
		S.N. 101-0133 SOUTHBOUND	S.N. 101-0134 NORTHBOUND	
Concrete Superstructure	Cu. Yd.	316.1	316.1	632.2
Polymerized Hot-Mix Asphalt Surface Course, Mix "E" N105	Ton	604	600	1,204
Floor Drains (Special)	Each	128	128	256
Reinforcement Bars, Epoxy Coated	Pound	39,020	39,020	78,040
Epoxy Crack Injection	Lin. Ft.	4	4	8
Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	14	2	16
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	180	115	295
Sheet Waterproofing Membrane System	Sq. Yd.	5,007	4,977	9,984
Hot-Mix Asphalt Surface Removal Complete	Sq. Yd.	5,007	4,977	9,984
Furnishing and Installing Post-Tensioning System	L. Sum	0.5	0.5	1
Screen Wall Connection Repair	L. Sum	0.5	0.5	1

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Designed by: MRF
 Checked by: WEE
 Drafted by: HH
 Checked by: WEE

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL		
I-39 (FAI 39) OVER KISHWAUKEE RIVER SECTION 201-1BR WINNEBAGO COUNTY STATION 2425+00 STRUCTURE NOS. 101-0133 (S.B.) & 101-0134 (N.B.)		
PARSONS		CHICAGO, ILLINOIS
DRAWING NO. 13	SCALE N.T.S.	DATE FEB 2007
		SHEET NO. S-2