All construction joints shall be bonded in accordance with Section 503.09(b), the surface of existing concrete shall have the cement paste removed to create a prepared surface. The Surface shall be Prepared by washing with water under pressure or by sandblasting to expose clean, well bonded aggregate C. All box girder faces where the concrete deviator restaint is cast against, shall be bonded. The prepared surface of the existing concrete shall be wetted according to the Standard Specifications.

Type I and Type II Deviator Restraints shall be self-consolidating concrete and shall be poured and/or pumped through optional hole locations shown in these plans. The Contractor may propose a new location that shall be approved by the Engineer. The Contractor shall verify all hole locations used, miss existing reinforcement, and existing post-tensioning bars. This also includes all optional locations shown in plans. Any necessary repairs shall be carried out as directed by the Engineer using an approved non-shrink grout. Cored holes shall be completely filled with an approved non-shrink grout. This work shall be included in the cost of Concrete Superstructures.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor 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 at the unit price bid for the work.

The Contractor shall miss existing post-tensioning components and reinforcement when drilling holes in the existing structure. Proposed Epoxy Grouted Bars shall have a minimum clearance gap of 1" to existing conventional reinforcement and a minimum clearance gap of $I_2^{\prime\prime}$ " to existing post-tensioning bars. The location of the post-tensioning bars and reinforcement shall be determined by the contractor using non-destructive methods approved by the Engineer. No drilling is permitted without approval by the Engineer. Holes drilled in existing concrete shall have the epoxy grouted reinforcement bars immediately installed. This work shall be in accordance with Section 584 of the Standard Specifications.

INDEX of SHEETS

DRAWING . NO.	TITLE
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GENERAL PLAN

GENERAL DATA

STAGE CONSTRUCTION DETAILS

TEMPORARY CONCRETE BARRIER

DEVIATORS - LAYOUT and MODIFICATION LOCATIONS

TYPE I DEVIATOR RESTRAINT DETAILS

TYPE II DEVIATOR RESTRAINT DETAILS

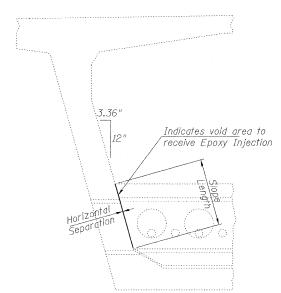
DECK OVERLAY - REPLACEMENT FAST SYSTEM SITE PLAN

FAST SYSTEM DETAILS 10

INTERIOR ELECTRICAL LIGHTING SYSTEM MODIFICATIONS

TOTAL BILL of MATERIAL

ITEM	UNIT	STAGE 1 S.N. 101-0134 NORTHBOUND	STAGE 2 S.N. 101-0133 SOUTHBOUND	TOTAL
Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N105	Ton	562	578	1,140
Concrete Superstructure	Cu. Yd.	48.8	48.7	97.5
Reinforcement Bars, Epoxy Coated	Pound	8,570	8,570	17,140
Relocate Existing Electrical System	L. Sum	0.5	0.5	1
Waterproofing Membrane System (Special)	Sq. Yd.	4,831	4,861	9,692
Hot-Mix Asphalt Surface Removal Complete	Sq. Yd.	4,831	4,966	9,797
Partially Remove and Reinstall Fixed Anti-Icing Spray Technology (FAST) System	L. Sum	0.5	0.5	1
Epoxy Injection	Each	4	16	20



Only Deviator Ends Listed w/ Horizontal Separations shall be Epoxy Injected. Horizontal Separation Field Measurements shown shall be for estimating purposes only. Any deviation from these measurements at the time of injection shall not be a cause for additional compensation, but shall be included in the unit price of "Epoxy Injection".

		ion S.B.L	
Deviator	Deviator	Horizontal	Separation
Number	Type	West End	East End
1	I	16"	l ₈ "
2	I	16"	3 ₁₆ "
3	II	18"	-
4	II	-	/ ₈ "
5	I	-	3 ₁₆ "
6	I	-	l ₈ "
7	II	-	/ ₈ "
8	II	-	
9	I	-	<i>l₈"</i>
10	I	-	16"
11	II		-
12	II	-	-
13	I	-	-
14	I	-	-
<i>1</i> 5	II	-	l ₈ "
<i>1</i> 6	II	-	l ₈ "
17	I	³ /6 "	3 ₈ "
18	I	l ₈ "	-

Indicates_void area to receive Epoxy Injection ±4'-0" Horizonta. Horizontal DEVIATOR TYPE I DEVIATOR TYPE II

PARTIAL DEVIATOR END ELEVATION

EPOXY INJECTION PLACEMENT

DEVIATOR END VIEWS - EPOXY INJECTION PLACEMENT

BILL OF MATERIAL

Item	Unit	S.B.	N.B.	Total Quantity
Epoxy Injection	Each	16	4	20

		ion N.B.L	
Deviator	Deviator	Horizontal	Separation
Number	Туре	West End	East End
1	I	-	-
2	I	l ₈ "	-
3	II	-	
4	II	-	
5	I	³ /6 "	-
6	I		-
7	II	-	-
8	II	-	-
9	I	<i>l</i> , "	-
10	I	-	-
11	II	-	-
12	II	-	-
13	I	8"	-
14	I	-	-
<i>1</i> 5	II	-	
<i>1</i> 6	II	-	-
17	I	-	we.
18	I	-	-

ME =	USER NAME =	DESIGNED	-
		CHECKED	-
	PLOT SCALE =	DRAWN	-
	PLOT DATE =	CHECKED	-

TEH

MNM

Rod (Parson's)

REVISED

REVISE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL DATA STRUCTURE NO. 101-0133 and 101-0134 SHEET NO. 02 OF 11 SHEETS

ι.Ι. Ε.	SECTION		COUNTY	TOTAL	SHEE NO.
9	(201-1B)M-3		WINNEBAGO	38	29
			CONTRACT	NO. 6	4H72
	ILLINOIS	FED. AI	D PROJECT		

FILE NAMI