

sp10(E)	1	#4	12'-9'2"	wwwww	
u10(E)	4	#6	8'-2"	\square	
u11 (E)	36	#5	7'-4"	Ľ	
u <u>12</u> (E)	9	#4	4′-6″	п	
v10(E)	16	#9	15'-0"		
v]] (E)	3	#5	2'-8"		
Concrete I	Concrete Removal			8.2	
Concrete Structures			Cu. Yd.	8.2	
Ероху Сос	nforcement Bars, Pound		2,260		
Anchor Bolts, 1"			Each	1	
Anchor Bolts, 14"			Each	-4	
Mechanical Splicers			Each	16	
Temporary Shoring and Cribbing		Each	5		
			1		

10'-3"

7'-8"

Existing reinforcement bars projecting from the pier cap shall be cut 6" minimum from the concrete removal line. Cost included with "Concrete Removal".

Plan dimensions and details relative to existing plans are subject to nominal construction 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

It shall be the Contractor's responsibility to verify all dimensions between the bottom of the bridge beams and the top of the bearing seats, in the field, prior to construction or

The Contractor shall supply additional shim plates, if required, to bring devices to grade.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the arade and diameter specified. ASTM A307 Grade C anobor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy-36ksi). The corresponding specified

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.

Temporary shoring and cribbing, as described in the Special Provisions, is to be installed

If existing vertical reinforcement bars or spiral extending into removal area to be reused are found to have a cross sectional area lost greater than 10% the Contractor shall notify the Bureau of Bridges and structures for further disposition before installation of the new

be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation. Reinforcement bars shall conform to the requirements of AASHTO A 706, Gr. 60,

	BEAM REACTION TABLE								
	at Expansion Bearings Beam 3	at Expansion Bearings Beam 4	at Fixed Bearings						
(k)	29.6	23.0	49.9						
(k)	12.1	9.7	16.9						
(k)	38.0	36.8	41.8						
(k)	9.4	9.8	9.1						
(k)	89.1	79.3	117.7						
y	70 tons	60 tons	90 tons						

Girder reactions shown are from the existing plan Bearing Data Tables, At Roadway E.N. & Ramp E.S. from S. Prairie Ave. to S. Lake Shore Dr. F.A.I. Rte. I-55,

ES6 REPAIRS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RE NO. 016–1045	55	2011-031-BR	COOK	41	17
E NO. 010-1045			CONTRACT	NO. (60P37
17 OF S41 SHEETS	ILLINOIS FED. AID PROJECT				