

BILL OF MATERIAL							
Bar	No.	Size	Length	Shape			
h40(E)	6	#10	7'-7"				
h41 (E)	4	#6	6′-10"	/			
h42(E)	4	#5	6'-2"				
h43(E)	4	#5	5′-0″				
h44 (E)	6	#9	7′-5″	Ŋ			
h45 (E)	4	#5	2'-9"				
u40 (E)	4	#6	7'-11"	\supset			
u4 <u>1</u> (E)	20	#5	7'-4"	Π			
u42(E)	9	#4	4'-6"	П			
v40 (E)	3	#5	2'-9"				
Concrete Removal			Cu. Yd.	3.2			
Concrete Structures			Cu, Yd,	3.2			
Reinforcement Bars, Epoxy Coated			Pound	680			
Anchor Bolts, 1"			Each	1			
Anchor Bolts, 14"			Each	4			
Mechanical Splicers			Each	16			
Temporary Shoring and Cribbing			Each	3			

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 at the unit price bid for the work.

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 ordering of materials. The Contractor shall supply additional shim plates, if required, to bring devices to grade. Cost

Anchor bolts must be installed in holes drilled after supported member is in place. 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 grade and diameter specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy-36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be use in lieu of ASTM F1554. Temporary shoring and cribbing, as described in the Special Provisions, is to be installed prior to

Existing reinforcement bars projecting from the pier column to remain. The existing reinforcement bars shall be cleaned, straightened and incorporated into the new construction. Cost included with

Existing reinforcement bars projecting from the pier cap shall be cut 6" minimum from the concrete

Any reinforcement bars that are damaged during the concrete removal operation shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with "Concrete Removal". If the analysis submitted to the Contractor for the jacking/temporary support system to 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

Reinforcement bars shall conform to the requirements of ASTM A 706, Gr. 60. See Special Provisions. Reinforcement bars designated (E) shall be epoxy coated.

BEAM REACTION TABLE							
	at Expansion Bearings	at Fixed Bearings					
(k)	31.1	48.1					
(k)	12.5	17.9					
(k)	45.6	48.0					
(k)	11.6	10.5					
(k)	100.8	124.5					
city	80 tons	95 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, dated June 18, 1991.

E16 REPAIRS RE NO. 016–1075		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2011-031-BR	COOK	41	28
			CONTRACT	Γ NO. (60P37
28 OF S41 SHEETS	ILLINOIS FED. AID PROJECT				