

STRUCTURE NO. **DEPARTMENT OF TRANSPORTATION** PLOT SCALE = DRAWN MTR REVISED SHEET NO. S-62 OF S PLOT DATE = 11/08/2012 CHECKED - TL REVISED



## BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
s <sub>I</sub> (E)	240	#5	9′-6″		
$v_I(E)$	20	#6	3'-2"		
v <sub>2</sub> (E)	20	#6	3′-4″		
v3(E)	50	#6	3′-6″		
V₄(E)	30	#6	3′-8″		
v5(E)	200	#6	3′-10″		
v <sub>6</sub> (E)	80	#6	4'-2"		
Concrete Structures			Cu. Yd.	19.5	
Reinforcement Bars, Epoxy Coated			Pound	4,660	

## JACKING PROCEDURE

- 1. Jacking of existing beams shall be done after the deck in each unit is removed.
- 2. The Contractor shall submit for approval by the Engineer details and calculations for jacking existing beams and removing and installing bearings prior to commencing any related work. Below shows the minimum jack capacity required for each bearing.

Location	Beam DL Reaction (k)	Min. Jack Capacity (k)	
Abut 1, Piers 3 & 6	7	15	
Piers 1, 2, 4, 5 & 9, Abut 2	21	35	
Pier 11	39	60	
Piers 7, 8, 12 & 13	53	80	

- 3. Jacking may be performed directly from the bearing seat under the girders. Each proposed concrete extension may be poured in two stages to permit jacking from the bearing seat, subject to the approval of the Engineer. See Jacking Clearance Plan View at Piers.
- 4. There shall be at least one jack per bearing and the jack shall be placed directly under the girder. The jacking operation shall follow procedures outlined in the special provisions "Jack and Remove Existing Bearings" and "Jacking and Cribbing". The girders shall be blocked in position until after the completion of the installation of new bearings.
- 5. The new concrete extensions and bearings shall be in place and the jacks shall be removed before the new concrete deck in each unit is poured.

N DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016_2//37	94	2012-060-BR	СООК	285	225
010-2437			CONTRACT	NO. 6	SOV61
-83 SHEETS	ILLINOIS FED. AID PROJECT				