

ROUTE NO.	SECTION	COUNTY TAZEWELL		TOTAL SHEETS	SHEET NO.
F.A.I. 74	(90- <i>13HVB)BY</i>			1366	487
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

68201

SHEET NO. 39 68 SHEETS

of 68

BRW Job No. 17049-071

DEAD LOAD REACTIONS (STEEL ONLY)

Location	Reaction (kN)	Min. Jack Capacity (kN)
N. Abut. & S. Abut.	73	146
Pier 1	106	212
Pier 2 & Pier 3	230	460
Pier 4 (N)	69	138
Pier 4 (S)	24	48
Pier 5	227	454
Pier 6	235	470
Pier 7	80	160

JACK AND REMOVE EXISTING BEARING PROCEDURE

1. The Contractor shall submit for approval by the Engineer, plans

- for jacking prior to commencing any work at the bearings. 2. Jacking and removing bearings shall be done after removal of existing deck is complete.
- 3. The maximum differential lift between beams or girders at any one substructure unit shall be limited to 7 mm. If simultaneous lacking of all beams or girders at a substructure unit is utilized, then the maximum total lift shall be limited to 19 mm.
- 4. The new bearings shall be in place and the jacks lowered before the new concrete deck is poured.



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NP