

**PROJECT REFERENCE DATA SHEETS**

Project Name ► Emergency Demolition of the Bridge  
 Client/Owner ► Demolition Client and City Client Yr. ► --  
 Design Cost ► -- Contract Cost ► --

**Description of Work:**

CSE was retained to be the Demolition Engineer or Record for the removal of the existing centennial historical bridge that overpasses the Rails.

In conjunction with their Consultants, the City had to perform an emergency shut down of this historical bridge due to its deteriorated condition. The historical bridge was designed using above top of deck main girders (3) which provided the main support to the bridge. The outside main girders were to remain and to be re-used as a heritage requirement to re-supported with an new replacement bridge.

This work required extensive procedure development. The complete scope of work had to be performed within a 48-hour window since all Train Travel below the bridge had to be closed-off.

CSE scope of work included full-time site supervision during the removals work. The bridge was successfully removed within a timely manner.

**Photograph:**

	DIMENSIONS			UNFAC W LBS	ROGING LBS	LIFTING WEIGHT (LBS.)		DESCRIPTION
	L	W	H			MIN.	MAX.	
A	±13	--	--	3,800	900	4,300	12,000	BEAM + FILL CONC.
B	±22.5	--	--	4,500	1,000	5,500	18,000	
C	±19	--	--	17,000	1,500	18,500	40,500	GRDEB + FILL CONC.
D	±13	--	--	12,000	1,500	13,500	29,000	

**TABLE 1: ESTIMATED LIFTING / HOLDING WEIGHTS**