



**2**  
 S48 ELEVATION OF TYPICAL GIRDER  
 N.T.S.

**1**  
 S48 ELEVATION AT TYPICAL EXPANSION PIER

SPAN (Pier to Pier)	GIRDER	LOCATION**	BOLTS
A29 - A30	A2	Btwn. FB2 & FB3	6
A33 - A34	A1	Btwn. FB3 & FB4	10
A35 - A36	A1	Btwn. FB3 & FB4	34
A35 - A36	A2	Btwn. FB3 & FB4	34
A37 - A38	A2	Btwn. FB1 & FB2	34
A38 - A39	A1	Btwn. FB3 & FB4	10
A39 - A40	A1	Btwn. FB4 & FB5	15
A39 - A40	A2	Btwn. FB1 & FB2	6
A41 - A42	A1	Btwn. FB3 & FB4	24
A41 - A42	A2	Btwn. FB3 & FB4	6
A42 - A43	A1	Btwn. FB1 & FB2	10
A42 - A43	A2	Btwn. FB1 & FB2	12

ITEM	UNIT	QUANTITY
Cleaning and Painting Steel Bridge, No. 1	L. Sum	1
Containment and Disposal of Lead Paint Cleaning Residues, No. 1	L. Sum	1
Bolt Replacement	Each	201

- NOTES:**
- Cleaning and painting of the structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures." At each deck joint, all exposed surfaces of the following steel elements shall be cleaned per Near White Blast Cleaning - SSPC-SP10: both end floor beams, all bearings, and both girders within 5 ft (measured along the girder) of either side of the joint. Elsewhere, the bottom two feet on the exterior and interior surfaces of the two girders, as well as both girder bottom flanges, shall be cleaned per Power Tool Cleaning Commercial Grade.
  - The designated areas cleaned per Near White Blast Cleaning - SSPC-SP10 and per Power Tool Cleaned - Commercial Grade shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the finish coat for all surfaces shall be Interstate Green, Munsell No. 7.5 G 4/8.
  - The contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system, see special provisions.
  - A minimum of 4 air monitors may be required to monitor abrasive blasting operations at the site, see special provision for "Containment and Disposal of Lead Painting Cleaning Residues."
  - Area to be cleaned and painted as indicated above extends from Pier A21 to Pier A46

**Note:**  
 If additional loose, broken, severely corroded or missing bolts not listed in the above table are identified, the contractor shall also replace these bolts, as approved by the Engineer. Bolts are located at bottom flange splice plates.  
 See Special Provisions.  
 \*\*Floor beams are numbered starting with "FB0" at lower numbered pier listed

REVISIONS		CLEANING AND PAINTING STRUCTURAL STEEL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION REHABILITATION AND RETROFIT REPAIRS FAI ROUTE 70 POPLAR STREET BRIDGE APPROACHES ST. CLAIR COUNTY STRUCTURE NO. 082-0141 (ROADWAY A) SCALE: N.T.S. DATE: 02/01/2007
NAME	DATE	

DATE: 12/4/2007  
 FILENAME: F:\2001\1201-1300\20011240\Drafting\Roadway\Rehab\_AT\RampA\_A\_Paint.dgn

DESIGNED	JPD
CHECKED	CSD
DRAWN	CLK
CHECKED	JPD