



Legend:  
 Extent of area to be Cleaned and Painted  
 See Note 1 thru 5

2 ELEVATION OF TYPICAL GIRDER  
 S42 N.T.S.

1 ELEVATION AT TYPICAL EXPANSION PIER  
 S42

- 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 girders 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 G12 to Pier D36.

Span (Pier to Pier)	Girder	Location*	Bolts
G12 - S1	G1	Btwn. FB2 and FB3	8
S1 - S2	G1	Btwn. FB1 and FB2	10
S2 - S3	G1	Btwn. FB1 and FB2	12
S16 - S17	G2	Btwn. FB4 and FB5	14

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.  
 \*Floor beams are numbered starting with "FB0" at lower numbered pier listed

Item	Unit	Quantity
Cleaning and Painting Steel Bridge No. 2	L. Sum	1
Containment and Disposal of Lead Paint Cleaning Residues, No. 2	L. Sum	1
Bolt Replacement	Each	44
Crack Extension Modifications	Each	20

Note: See Detail 2/S44 for Crack Extension Retrofit

CLEANING AND PAINTING STRUCTURAL STEEL

REVISIONS		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION REHABILITATION AND RETROFIT REPAIRS FAI ROUTE 70 POPLAR STREET BRIDGE APPROACHES ST. CLAIR COUNTY STRUCTURE NO. 082-0142 (RAMP S1) SCALE: DATE: 02/28/2006
NAME	DATE	

DATE: 4/19/2006  
 FILENAME: F:\2001\1201-1800\2001.12.10\drafting\roadwayrehab\_dsramps\g\_paint.dgn

DESIGNED	JEL
CHECKED	JPD
DRAWN	IMG
CHECKED	JEL