

ENGLISH - REHABILITATION STRUCTURE SURVEY REPORT

DT1696 2000 (Replaces EB24)

Wisconsin Department of Transportation

Final Plan Due Date February 2001	Preliminary Plan Due Date	<input type="checkbox"/> Town of <input type="checkbox"/> Village of <input checked="" type="checkbox"/> City of Osceola	
Old Structure Number B-48-0224	Highway STH 243	County Polk	Design Project ID 0655-08-00 Construction Project ID
Feature On STH 243		Feature Under St. Croix River	
District Contact Person/Area Code with Telephone Number Daniel J Harrington 715-392-7948			
Consultant Contact Person/Area Code with Telephone Number			

Work To Be Performed

<u>Item</u>	<u>Field Information Required</u> (See Pages 2 and 3)
<input type="checkbox"/> A. Structural Repair	1, 2, 3
<input type="checkbox"/> B. Concrete Overlay	1-18, 20, 21, 25, 26
<input type="checkbox"/> C. New Bearings	9
<input type="checkbox"/> D. New Railings	18, 19, 21
<input type="checkbox"/> E. Curb and Sidewalk Repair	2, 3, 21
<input type="checkbox"/> F. Abutment Repair	2, 3, 21
<input type="checkbox"/> G. Pier Repair	2, 3, 21
<input type="checkbox"/> H. New Deck	1-5, 9, 10, 13-18, 20-26
<input type="checkbox"/> I. Widening	1-18, 20-26
<input type="checkbox"/> J. Joint Repair	2, 3, 8, 17, 21
<input type="checkbox"/> K. Surface Repair	2, 3
<input type="checkbox"/> L. Raising Bridge	3, 9, 21-23
<input checked="" type="checkbox"/> M. Other	
<input type="checkbox"/> N. Asphaltic Overlay	

Field Information Required

- ☐ 1. Most recent inspection report - Brief history of bridge construction date, dates and description of repairs.
- ☐ 2. Outline deficient areas on existing bridge plan.
- ☐ 3. Photographs of details requiring repairs or modifications, such as: bearings, x-frames, joints, etc. Photograph all deficient areas. Clearly label all photographs.
- ☐ 4. X-section slope for bridge and approaches for proposed work (straight).
- ☐ 5. To tie in girders to new work, determine beam seat or girder elevations at both sides of bridge at all substructure units where possible.
- ☐ 6. Provide cross-section elevations at 10 foot maximum centers extending for 100 feet beyond the bridge at both ends. Sections should be normal to centerline and show elevations at centerline roadway and gutterline. Take elevations along joints and at floor drains.
- ☐ 7. Show and identify starting stationing on bridge.
- ☐ 8. Joint openings measured, temperature and date of measurements recorded. Clearances between girder ends at piers and front face of backwell at abutments for joint openings should be made at the centerline of roadway and at each gutterline. Take on top of deck and under deck - if accessible.
- ☐ 9. Fixed and expansion bearings - condition and orientation.
- ☐ 10. Number and width of pours including construction staging sequence.
- ☐ 11. Location of existing construction joints in the deck.
- ☐ 12. Estimated Quantities:

Preparation, Decks, Type 1	Sq. Yd.
Preparation, Decks, Type 2	Sq. Yd.
Full Depth Deck Repair	Sq. Yd.
Concrete Surface Repair	Sq. Ft.
Curb Repair	L.F.
- ☐ 13. Sufficiency Number (obtain from bridge file)
- ☐ 14. Appraisal and Condition Rating

	Deck Condition	Superstructure Condition	Substructure Condition	Load Capacity Appraisal	Structural EVAL Appraisal
Current					

- ☐ 15. Load Ratings

Current	Inventory	Operational
AFTER Completed by Bridge Designer		

Field Information Required - Con't.

- ☐ 16. Drains to be:
- ☐ Raised ☐ Closed ☐ Downspouted ☐ New
- ☐ 17. Traffic maintained on bridge during work?
- ☐ No ☐ Yes - Include sketches
- ☐ 18. Will guard rail be attached?
- ☐ No ☐ Yes - Which corners
- ☐ 19. Is existing bridge railing deficient?
- ☐ No ☐ Yes - Replacement Rail Type
- ☐ 20. Will work to be performed eliminate all deficiencies?
- ☐ Yes ☐ No - Explain
- ☐ 21. Describe / Locate existing / proposed utilities.
- ☐ 22. Wing location for surface drain anchors.
- ☐ 23. Painting
- ☐ No ☐ Yes - explain (all, part, railing, color system, containment, bid items)
- ☐ 24. Desired Roadway Width (New Deck / Widening) Ft.
- ☐ 25. Maximum increase in grade line elevation In.
- ☐ 26. Benchmark description to be shown
- ☐ 27. Desired final cross slopes on bridge Ft./Ft.

Structure History / Work to be Performed

On the border bridge tour it was decided to replace the floor drain grates on the St. Croix river bridge B-48-0224 on STH 243 Osceola / Minnesota border. I was told to measure up the grates and get them to you for winter / spring repair work.

There are 34 floor drains on bridge, 17 in each lane. I measured 3 for a sample size.

The outside of grate measures 8-1/2" X 16-1/4"

The depth of the grate steel is 2-1/4"

I didn't record the spacing of the grates, sorry. But this is a bicycle route and the new grates should take that into account.

The floor drains were salvaged and reset in 1980 the plans do exist for them in the 1953 plan in Viewbridge, sheet, 04rail.

The drain castings were in good condition last inspection 7/19/2000.

Similar to grate on Std. 29.2

FOR BRIDGE OFFICE USE

Plans Checked By

Date