RECEIVED
8/15/2019
BUREAU OF STRUCTURES

DT1696 4/2017

	☐ Stream Crossing ☐ C	Culvert		DONLA	O OF STRUCTURES	
☐ Railroad ☐ Retainin	ig Wall 🔲 Noise Barrier	•				
☐ Sign Structure ☐ O	ther:					
For guidance see: http://wiscons	indot.gov/Pages/doing-bus/eng-	-consultants/cnslt-rs	rces/strct/survey.a	<u>spx</u>		
Design Project ID 3839-03-03	Highway (Project Name) USH 12					
Final Plan Due Date 3/1/2020	☐ Town ☐ Village ☐ City Lyons					
PS&E Date 5/1/2020	Letting Date 9/8/2020	County Walworth				
Structure Number B-64-187		Section 31	Town 02N		Range 18E	
Station 559+47.60 R/L USH 12 WB	Latitude: 42 35 38.27 Longitude: 88 24 29.90	⊠ YES □ NO	Structure Located	on National High	nway System	
For Survey and CADD Files			Traffic For	ecast Data		
Horizontal Coordinate System: Vertical Datum:		Design Year	Average Daily Traffic (ADT)	Roadway Design Spee	ed Functional Class	
Feature On USH 12 WB/NB		Feature On 2041	18,100	70 mph	Prin Arterial- Urbanl	
Feature Under STH 50	Feature Under 2038	23,300 (from HSI)	50 mph	Prin Arterial- Urbanl		
Region Contact: Justin Suydam		Consultant Contact: Pat Cashin				
(Area Code) Telephone Number(s): 262-548-8745 Email: Justin.Suydam@dot.wi.gov		(Area Code) Telephone Number(s): 414-315-7040 Email: PCashin@hntb.com				
	To Be Performed Field Information Require Item Number (see Pages 2-4					
☐ A. Structural	Repair				,	
⊠ B. Overlay				1–3, 10–22,	26–28, 32, 34	
☐ Concrete Overlay		☐ Asphalt Overlay				
□ Polym □ Other		Polymer Overlay				
	ings			3, 8, 9, 22		
				23		
E. Curb and Sidewalk Repair						
F. Abutment Repair						
G. Pier Repair						
•	(3–28, 32–34	

☐ M. Slope Stabilization......1–3, 30

□ P. Other: _____

Field Information Required

If no structure number exists provide the following: Small County Map on which the location of proposed structure is shown in red and any highway relocation in green. In addition, provide Location Map of scale not less than 1" = 2000' showing the structure location and number.

\boxtimes	1. Most recent inspection report, brief history of bridge construction date, and description of repairs with dates.					
\boxtimes	2.	2. Outline deficient areas on existing structure plan or drawing.				
\boxtimes	3.	3. Photographs of details requiring repairs or modifications, such as: bearings, x-frames, joints, etc. Photograph all deficient areas. Clearly label all photographs.				
	4.	4. Provide proposed typical section for roadway and structure showing dimensions and cross slopes.				
	5.	5. Survey beam seat or girder elevations at both sides of bridge at all substructure units.				
	6. Provide cross-section elevations at 10 foot intervals extending across the structure and a minimum of 100 feet beyond each end. Sections should be normal to centerline and show elevations at centerline roadway and gutter line. Take elevations along joints and at floor drains.					
	7.	7. Show and identify starting stationing on bridge.				
	 8. Record measurement, temperature of the structure, and date taken for each of the following: (a) Joint opening measured normal to joint at centerline of roadway and both curb lines. (b) Clearance between girder ends at piers. (c) Distance from front face of abutment backwall to closest point of girder end measured parallel to girder. (d) Temperature of structure determined by averaging top and under deck (if accessible) readings. 					
	9. Fixed and expansion bearings - condition and orientation.					
☑10. Number and width of proposed pours including construction staging sequence.						
☑11. Location of existing construction joints in the deck.						
⊠1	2.	Preparation, Decks, Type 2 Full Depth Deck Repair Concrete Surface Repair Superstructure Concrete Surface Repair Substructure	Sq. Ft. <u>None</u> Sq. Ft. <u>None</u>	Galvanic Anodes? Galvanic Anodes? Galvanic Anodes? Galvanic Anodes?		

	Deck Condition	Superstructure Condition	Substructure Condition	Load Capacity Appraisal	Structural EVAL Appraisal	
Current	7	7	7	5	7	

	Inventory	Operational
Current	DE 4.44	DE 4.40
Calculated Date: 6/6/2014	RF 1.11	RF 1.43
After		
Completed by Bridge Designer		

	Туре	Owner and Contact Information	Size	Opening at Abutment	Weight	Pressure
					-	
\boxtimes	•	dge railing deficient? No If Yes – Replacement Rail Type:				1
\boxtimes	18. Drains to be: ☐ Raised	☐ Closed ☐ Downspouted ☐ New				
\boxtimes		ined on bridge during work? No If Yes – Include sketches				
\boxtimes	20. Will guard rail ☐ Yes ☐ N	be attached? No If Yes – Which corners?				
\boxtimes		e performed eliminate all deficiencies? No If No – Explain:				
\boxtimes		aste (asbestos) to be removed? No If Yes – Explain:				
	23. Wing location	(s) for surface drain anchors:				
		No If Yes – Explain on Page 4 n, color system, containment, bid items)				
		vay width: <i>(new deck / widening)</i> Ft. valk clear width: Left: Ft. Right: Ft.				
\boxtimes	26. Maximum inci	rease in grade line elevation 0.25 ln.				
\boxtimes	27. Benchmark de	escription to be shown				
\boxtimes	28. Desired final of	cross slopes on bridge <u>0.02</u> Ft./Ft.				
	30. Slope stabiliza Type: Slope:	•				
	•	CY.				

☑ 32. Report submitted with Preliminary Plan requires no CADD file submittal (See ESubmittal instructions).
 ☐ 33. Report submitted for development of Preliminary Plan to structure design engineer requires CADD file (if available) submittal and Report submittal to Soils Engineer if project involves foundation modifications.
 ☑ 34. Coordinate with structure design engineer before going into the field if existing structure has no available plans, if staged construction is planned, or if there are adjoining/adjacent structures that will remain in place.
 ☐ 35. If project involves substructure widening coordinate with structure and/or hydraulic design engineer to determine if information on the separation and/or stream crossing SSR will be required.

Additional Information

Elaborate on other concerns such as: DNR, Local, Utility Conflicts, Aesthetics, Railing Type and Staged Construction.

Please be as detailed and specific as possible.

NOTE: This work was added to the USH 12 Bridge Rehabilitation project, but the polymer overlay is for preventative maintenance rather than rehabilitation. B-64-187 was constructed in 2015.

Work to be Performed:

Thin polymer overlay

Item # 1: See most recent inspection report, which also includes construction history.

Item #2: See preliminary plans for proposed work.

Item #3: See separate document for photographs.

Item #10: Overlay will be placed in two stages, with a construction joint on the crown line. Traffic will be maintained on approximately half of the bridge width while the overlay is placed on the other half. In Stage 1, one lane of through traffic and one lane for the exit ramp will be maintained. In Stage 2, there will be only one lane of through traffic and access to the exit ramp will be closed.

Items #13, 14, 15: These values were taken from the HSI system on 8/13/2019.

Item #16: No utilities on the bridge.

Item #18: No floor drains.

Item #19: See staging summary under Item #10.