AIR	Wisconsin	Department of	of	Transportation
7	DT1606	4/2017		

DT1696 4/2017							
	☐ Stream Crossing ☐ C	ulvert					
☐ Railroad ☐ Retainir	ng Wall 🔲 Noise Barrier						
☐ Sign Structure ☐ O	ther:						
For guidance see: http://wiscons	indot.gov/Pages/doing-bus/eng-	consultants/cnslt-rs	rces/s	trct/survey.a	<u>spx</u>		
Design Project ID 1196-04-08	Construction Project ID 1196-04-78	Highway (Project Natural USH 53 NB	me)				
Final Plan Due Date	Preliminary Plan Due Date	☐ Town ☐ Village	e 🔲 (City			
4/1/2019	3/1/2019	Prairie Lake					
PS&E Date	Letting Date	County					
5/1/2019 Structure Number	11/12/2019	Barron Section		Town		Rang	
B-3-0025		25		T33N		R11	
Station 555+45.72	Latitude: 45Deg 18'52"N Longitude: 91Deg 40'36"W	⊠ YES □ NO	Struct	ture Located of	on National Hi	ghway	System
For Survey and CADD Files				Traffic For	ecast Data		
Horizontal Coordinate System: Barro	n Co.	5	Average Daily		Roadway		
Vertical Datum: NAVD 88 Feature On		Design Year Feature On	l ra	affic (ADT)	Design Sp	eed	Functional Class
USH 53 NB		2014		5500			
Feature Under Knapp Street		Feature Under 2008		2500			
Region Contact: Brendan Dirkes		Consultant Contact: Jarrod Starren					
(Area Code) Telephone Number(s): (7		(Area Code) Telepho			720-6261		
Email: brendan.dirkes@dot.wi.g	gov	Email: jstarren@sehinc.com					
		To Be Performe			Item Nur		nation Required (see Pages 2–4)
	Repair						
				1–3, 10–2	2, 26-	-28, 32, 34	
	☐ Asphalt Overl	ay					
☐ Polym	☐ Thin Bonded Polymer Overlay						
☐ Other							
☐ C. New Bear				3, 8, 9, 22			
□ D. New Raili				15–17, 20	-23		
☐ E. Curb and				2, 3, 16, 2	2, 23		
☐ F. Abutment				2, 3, 12, 1	6		
☐ G. Pier Repa				2, 3, 12, 1	6		
☐ H. New Deck				1–6, 9, 10	, 13–2	28, 32–34	

I. Widening1–28, 30, 32–35

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.

- ☑ 1. Most recent inspection report, brief history of bridge construction date, and description of repairs with dates.
- ☑ 2. Outline deficient areas on existing structure plan or drawing.
- ☑ 3. Photographs of details requiring repairs or modifications, such as: bearings, x-frames, joints, etc. Photograph all deficient areas. Clearly label all photographs.
- ☑ 4. Provide proposed typical section for roadway and structure showing dimensions and cross slopes.

- ☐ 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.
- □11. Location of existing construction joints in the deck.

Preparation, Decks, Type 1	Sq. Yd. <u>30</u>	
Preparation, Decks, Type 2	Sq. Yd. <u>15</u>	
Full Depth Deck Repair	Sq. Yd. <u>2</u>	Galvanic Anodes?
Concrete Surface Repair Superstructure	Sq. Ft. <u>N/A</u>	Galvanic Anodes?
Concrete Surface Repair Substructure	Sq. Ft. <u>N/A</u>	Galvanic Anodes?
Curb Repair	LF. <u>N/A</u>	Galvanic Anodes?

	Deck Condition	Superstructure Condition	Substructure Condition	Load Capacity Appraisal	Structural EVAL Appraisal
Current	6	7	7	5	6

	Inventory	Operational
Current	110.45	110.00
Calculated Date: 8/15/2013	HS 15	HS 23
After		
Completed by Bridge Designer		

_	Туре	Owner and Contact Information		Opening at Abutment	Weight	Pressure
_						
- ⊠ 1	•	dge railing deficient? Io If Yes – Replacement Rail Type:				
 18	8. Drains to be: ☐ Raised	☐ Closed ☐ Downspouted ☐ Nev	v			
⊠ 1		ined on bridge during work? lo If Yes – Include sketches				
⊠ 2	0. Will guard rail ⊠ Yes □ N	be attached? lo If Yes – Which corners? South side				
⊠ 2		e performed eliminate all deficiencies? lo If No – Explain:				
⊠ 2		aste (asbestos) to be removed? lo If Yes – Explain:				
⊠ 2	3. Wing location	(s) for surface drain anchors: All four corners				
⊠ 2	24. Painting? ☐ Yes ☐ No If Yes – Explain on Page 4 (all, part, railing, color system, containment, bid items)					
□ 2	25. Desired roadway width: <i>(new deck / widening)</i> Desired sidewalk clear width: Left: Ft. Right: Ft.					
⊠ 2	6. Maximum inci	rease in grade line elevation <u>0</u> In.				
□ 2 ²	27. Benchmark description to be shown					
⊠ 2	8. Desired final cross slopes on bridge 0.056 Ft./Ft.					
□ 2	 29. Underwater Inspection Report including: Streambed Cross Section With Pier, Footing and Seal Elevations Pier Elevation Drawings Pier Layout Hydrographic Survey 					
□ 3	0. Slope stabiliza Type: Slope:	ation, provide: Quantity: CY. _ Ft./Ft. Fill: CY.				
□ 3	•	CY.				

\boxtimes	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.
\boxtimes	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.

Work to be performed consists of the following: Concrete overlay, replace all four wing parapets in kind - upper section only, replace north joint with new strip seal joint, epoxy seal ends of prestressed girder, miscellaneous concrete repair.

Bridge will be open to traffic while construction takes place. Traffic will be maintained on the structure during construction by reducing traffic to one lane during each stage. The concrete overlay will require two pours with the first pour being 18 feet wide, and the second 22 feet wide.

Deficient areas consist of the deck, wings.

Fix connections at south abutment and pier, expansion connection at north pier and abutment.

No utilities are known to exist on the bridge.

No drains on existing bridge deck.

The beam guard at the south end of the structure will be reconstructed to current standards. Parapets will be replaced in kind at all four wings and will be provided with new thrie beam anchorages.

No widening of the deck will take place.

Asbestos reports are in the process of being completed by a WisDOT subconsultant.