RECEIVED
1/16/2019
BUREAU OF STRUCTURES

☐ Grade Separation						
☐ Railroad ☐ Retaining Wall ☐ Noise Barrier						
☐ Sign Structure ☐ Other:						
For guidance see: http://wisconsi	indot.gov/Pages/doing-bus/eng-	consultants/cnslt-rs	rces/strct/survey.a	<u>ispx</u>		
Design Project ID	Construction Project ID	Highway (Project Na	me)			
5730-00-30 Final Plan Due Date	5730-00-60 Preliminary Plan Due Date	STH 56	По			
June 1, 2019	November 2018	│	e 🗌 City			
PS&E Date	Letting Date	County				
August 1, 2019 Structure Number	November 12, 2019	Richland Section Town Range				
B-52-35		10	T11N	· ·		
Station 606+12.88	Latitude: 43°26'40.23"N Longitude: 90°28'34.28"W	☐ YES ☒ NO	Structure Located	on National H	ighway	System
For Survey and CADD Files			Traffic Fo	recast Data		
Horizontal Coordinate System: Richla Vertical Datum: NAVD88 (2012 ac		Design Year	Average Daily Traffic (ADT)	Roadwa Design Sp		Functional Class
Feature On STH 56		Feature On 2041	1300	55 MP	Н	Minor Arterial
Feature Under		Feature Under				
Fancy Creek						
Region Contact: Dan Kleinertz	00) 700 5700	Consultant Contact:		255 0052		
(Area Code) Telephone Number(s): (60 Email: daniel.kleinertz@dot.wi.g		(Area Code) Telephone Number(s): (608) 355-8852 Email: jsweno@msa-ps.com				
		, 0	•			
	Work	To Be Performe	ed			
						nation Required
⊠ A. Structural	Repair				mber	(see Pages 2–4)
	·				2 26	.28 32 34
•	ete Overlay	1–3, 10–22, 26–28, 32, 34 ☐ Asphalt Overlay			-20, 32, 34	
	•	·	•			
□ Other:	er Modified Asphalt Overlay	☐ Thin Bonded	Polymer Overlay			
☐ C. New Bear	ings			3, 8, 9, 22		
D. New Railir	ngs			15–17, 20	-23	
□ E. Curb and a	Sidewalk Repair			2, 3, 16, 2	2, 23	
☐ F. Abutment	Repair			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. Widening			1–28, 30,	32–35	5	
☐ J. Joint Reparent			2, 3, 8, 16	, 19, 2	22	
	epair			2, 3, 22		
☐ L. Raising Br	ridge			3, 6, 9, 16	, 20–2	24
☐ M. Slope Stal	bilization			1–3, 30		
☐ N. Scour Rep	oair			1, 2 or 3,	16, 19	, 21, 27, 29, 31–35
☐ O. Painting			16, 22, 24			

□ 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.

- Most recent inspection report, brief history of bridge construction date, and description of repairs with dates.
 Outline deficient areas on existing structure plan or drawing.
 Photographs of details requiring repairs or modifications, such as: bearings, x-frames, joints, etc. Photograph all deficient areas. Clearly label all photographs.
 Provide proposed typical section for roadway and structure showing dimensions and cross slopes.
 Survey beam seat or girder elevations at both sides of bridge at all substructure units.
 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.
- $\ \square$ 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.

Sq. Yd. <u>13</u>	
Sq. Yd. <u>5</u>	
Sq. Yd. <u>3</u>	Galvanic Anodes?
Sq. Ft. <u>5</u>	Galvanic Anodes?
Sq. Ft. <u>40</u>	Galvanic Anodes?
LF. <u>70</u>	Galvanic Anodes?
	Sq. Yd. <u>5</u> Sq. Yd. <u>3</u> Sq. Ft. <u>5</u> Sq. Ft. <u>40</u>

	Deck Condition	Superstructure Condition	Substructure Condition	Load Capacity Appraisal	Structural EVAL Appraisal
				5 - Legal Load	6 - Condition
Current	5 - Fair	7 - Good	6 - Satisfactory	Stress Not	Equal to Min.
				Exceeded	Criteria

	Inventory	Operational
Current Calculated Date: 09/03/2013	HS14.7	HS38.6
After Completed by Bridge Designer	TBD	TBD

	Туре	Owner and Contact Information			Size	Opening at Abutment	Weight	Pressure
	17. Is existing bridge railing deficient? ☑ Yes ☐ No If Yes – Replacement Rail Type: The existing rail consists of the original concrete parapet and Type H Rail with wood blocks bolted through the concrete parapet and a steel Class A guard rail mounted to the wood posts. The existing guard rail and wood blocks and posts will be removed and replaced with an MGS system adjusting the height of the thrie rail up slightly to meet current standards. The existing Type H Rail will remain in place. See item 22 for more information regarding the Type H aluminum rail. The railing replacement detail was reviewed with Bureau of Structures personnel when being developed, see Attachment D for correspondence.							
\boxtimes	18. Drains to be: ☐ Raised	☐ Closed	☐ Downspouted	□ New				
\boxtimes	19. Traffic maintai □ Yes ⊠ N	ned on bridge du o If Yes – Includ	•					
\boxtimes								
	21. Will work to be performed eliminate all deficiencies? ⊠ Yes □ No If No – Explain:							
	22. Hazardous waste (asbestos) to be removed? ☐ Yes ☑ No If Yes – Explain:							
\boxtimes	23. Wing location(s) for surface drain anchors: N/A - Wings skewed							
	24. Painting? □ Yes □ No If Yes – Explain on Page 4 (all, part, railing, color system, containment, bid items)							
	25. Desired roadway width: <i>(new deck / widening)</i> Ft. Desired sidewalk clear width: Left: Ft. Right: Ft.							
\boxtimes	26. Maximum increase in grade line elevation 3.0 In.							
\boxtimes	27. Benchmark description to be shown							
\boxtimes	28. Desired final cross slopes on bridge <u>0.02</u> Ft./Ft.							
	 29. Underwater Inspection Report including: Streambed Cross Section With Pier, Footing and Seal Elevations Pier Elevation Drawings Pier Layout Hydrographic Survey 							
		ation, provide: Quan	tity: CY.					

 $\hfill \square$ 31. Preliminary layout of grout bags or proposed scour repair.

	C.I.P. Articulated Mats (for Scour) Grout Bags (for Scour) Heavy Riprap Extra Heavy Riprap	CY. CY. CY. CY.			
\boxtimes		quires no CADD file submittal (See ESubmittal instructions).			
	·	minary Plan to structure design engineer requires CADD file al to Soils Engineer if project involves foundation modifications.			
\boxtimes	5 5	before going into the field if existing structure has no available plans, e are adjoining/adjacent structures that will remain in place.			
	☐ 35. If project involves substructure widening of if information on the separation and/or street.	oordinate with structure and/or hydraulic design engineer to determine eam crossing SSR will be required.			
	Additional Information				
		ocal, Utility Conflicts, Aesthetics, Railing Type and Staged Construction.			

Please be as detailed and specific as possible.

- 1. The last inspection date was March 8, 2018. The bridge was constructed in 1963. It is a single span 36" prestressed concrete girder bridge with a span length of 66'. It received a concrete overlay and new railing in 1990. See Attachment A for the current Inspection Report.
- 2. See Attachment B for details of deficient areas.
- 3. See Attachment A and Attachment C for photos of areas requiring repairs.
- 10. STH 56 will be closed and detoured during construction. An optional longitudinal construction joint will be included.
- 11. There is an existing longitudinal construction joint on the centerline of the bridge. This joint is from the concrete overlay that was placed in 1990.
- 12. Deck preparation areas are based on coordination with the SW Region DOT and the SW Region Bridge Maintenance Engineer. See Attachment D for correspondence with the DOT regarding work on the structure.
- 18. The existing deck drains were removed during the concrete overlay completed in 1990.
- 19. STH 56 will be closed and detoured during construction.
- 20. The approach roadway guardrail will be replaced at all 4 quadrants of the bridge with MGS guardrail and EAT terminals.
- 22. Hazardous waste (asbestos) was found in the gaskets located under Type H railing attachment plates on the concrete parapet as well as the caulk located around the bolts in the railing attachment plates. Since these bridge elements will not be disturbed, STSP 107-120 will be included in the Special Provisions. See Attachment E for Asbestos Inspection Report.
- 26. The grade increase at the centerline of the bridge will be approximately 3", accounting for a 2" minimum overlay at the edges and a crown correction of 0.5% over 15 feet.
- 27. A benchmark will not be shown on the plans. There will be no references to elevations on the plans.
- 28. The normal crown cross slope on the bridge will be improved from 1.5% to 2%.

See Attachment E for DNR Initial Review comments.

Utility Conflicts:

No utility conflicts are anticipated.

Aesthetics:

No aesthetic treatments are anticipated.