DT1696 **⊠** Grade Separation **RECEIVED** ☐ Stream Crossing ☐ Culvert 8/30/2019 ☐ Railroad ☐ Retaining Wall ☐ Noise Barrier **BUREAU OF STRUCTURES** Sign Structure Other: For quidance see: http://dotnet/dtid_bos/extranet/structures/reports-checklists.htm Highway (Project Name) Design Project ID Construction Project ID 1090-35-00 1090-35-70 IH 43 NB OVER CTH I (BELOIT RD) Final Plan Due Date Preliminary Plan Due Date ☐ Town ☐ Village ☒ City DECEMBER 1, 2019 SEPTEMBER 1, 2019 **NEW BERLIN** Letting Date PS&E Date County FEBERUARY 1, 2020 MAY 12, 2020 **WAUKESHA** Structure Number Section Town Range B-67-296 06N 20E 26 Station Latitude: 425719.53 Structure Located on National Highway System 806+16.93 IH 43 NB Longitude: 880614.01 For Survey and CADD Files **Traffic Forecast Data** Horizontal Coordinate System: Average Daily Roadway Vertical Datum: Traffic (ADT) Design Year Design Speed **Functional Class** Feature On Feature On INTERSTATE-82100 70 mph IH 43 NB 2032 **URBAN** Feature Under Feature Under ARTERIAL-12400 40 mph CTH I (BELOIT RD) 2032 **URBAN** Region Contact: LANCE PARVE Consultant Contact: HEATHER ANDERS (Area Code) Telephone Number(s): (414) 731-5375 (Area Code) Telephone Number(s): (414) 410-6899 Email: LANCE.PARVE@DOT.WI.GOV Email: HANDERS@hntb.com Work To Be Performed **Field Information Required** Item Number (see Pages 2-4) ☐ A. Structural Repair1–3, 22 ☐ Concrete Overlay ☐ Asphalt Overlay ☐ Polymer Modified Asphalt Overlay ☐ Thin Bonded Polymer Overlay ☑ Other: MMA ☐ H. New Deck......1–6, 9, 10, 13–28, 32–34 □ I. Widening1–28, 30, 32–35 ☐ 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.

⊠ 1	1. Most recent inspection report, brief history of bri	dge construction date	e, and description of repairs with dates.
⊠ 2	2. Outline deficient areas on existing structure plan	or drawing.	
⊠ 3	Photographs of details requiring repairs or modi deficient areas. Clearly label all photographs.	fications, such as: bea	arings, x-frames, joints, etc. Photograph all
□ 4	4. Provide proposed typical section for roadway ar	nd structure showing o	dimensions and cross slopes.
□ 5	5. Survey beam seat or girder elevations at both si	des of bridge at all su	ibstructure units.
□ 6	 Provide cross-section elevations at 10 foot inter- beyond each end. Sections should be normal to line. Take elevations along joints and at floor dra 	centerline and show	
□ 7	7. Show and identify starting stationing on bridge.		
□ 8	 3. Record measurement, temperature of the struct (a) Joint opening measured normal to joint at ce (b) Clearance between girder ends at piers. (c) Distance from front face of abutment backwa (d) Temperature of structure determined by ave 	enterline of roadway a all to closest point of g	nd both curb lines. girder end measured parallel to girder.
□ 9	9. Fixed and expansion bearings - condition and o	rientation.	
⊠10). Number and width of proposed pours including o	construction staging s	sequence.
⊠11	1. Location of existing construction joints in the dec	ck.	
⊠12	2. Estimated Quantities: Preparation, Decks, Type 1 Preparation, Decks, Type 2 Full Depth Deck Repair	Sq. Yd. <u>NA</u> Sq. Yd. <u>NA</u> Sq. Yd. NA	Galvanic Anodes? NA

Concrete Surface Repair Superstructure

Concrete Surface Repair Substructure

Curb Repair

	Deck Condition	Superstructure Condition	Substructure Condition	Load Capacity Appraisal	Structural EVAL Appraisal	
Current	8	8	7	5	7	

Sq. Ft. TBD

Sq. Ft. TBD

LF. <u>NA</u>

Galvanic Anodes? NA

Galvanic Anodes? TBD

Galvanic Anodes? NA

	Inventory	Operational	
Current	HS34	HS77	
Calculated Date: 5/24/2013	H534 	NS//	
After			
Completed by Bridge Designer			

	Yes ⊠ N	☐ Yes ☒ No				Opening at		
	Туре	Owner and Contac	t Information		Size	Abutment	Weight	Pressure
\boxtimes	•	dge railing deficier		e:		,		
	18. Drains to be: ☐ Raised	☐ Closed	□ Downspout	ed □ New				
		ined on bridge du lo If Yes – Inclu	-					
	20. Will guard rail ☐ Yes ☐ N	be attached? No If Yes – Whic	h corners?					
	21. Will work to be ⊠ Yes □ N	e performed elimi No If No – Expla		es?				
	22. Hazardous wa ☐ Yes ☒ N	aste (asbestos) to No If Yes – Expla						
	23. Wing location	(s) for surface dra	in anchors: None					
	□ Yes □ N	No If Yes – Expla g, color system, con	•					
		vay width: <i>(new de</i> valk clear width:		Ft. Right: F	t.			
\boxtimes	26. Maximum incr	rease in grade line	e elevation <u>0</u> In.					
\boxtimes	27. Benchmark de	escription to be sh	nown					
\boxtimes	28. Desired final of	cross slopes on bi	idge <u>VARIE</u>	ES Ft./Ft.				
		Cross Section W ion Drawings	-	nd Seal Elevations	s			
	30. Slope stabiliza Type: Slope:	ation, provide: _	ntity: CY.					
	31. Preliminary la C.I.P. Articu Grout Bags Heavy Ripra Extra Heavy	llated Mats (for So (for Scour) ap		· ·				
\boxtimes	32. Report submit	tted with Prelimina	ary Plan requires i	no CADD file subr	mittal (See l	ESubmittal instru	uctions).	

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.

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

Please be as detailed and specific as possible.

Additional Information

Work to be Performed: Methyl Methacrylate Sealer on Deck Surface Concrete surface repair on parapets and abutments

- 10. Staging for deck work will be determined in final design.
- 11. There are no existing construction joints in the deck.
- 12. Use of Embedded Galvanic Anodes in substructure repairs to be determined in final design.
- 13. 14. 15. Data for these items taken from HSI system on 8/29/2019.
- 16. Exact utility locations still being determined, but no utility conflicts anticipated. To be verified during final design.
- 17. Existing bridge railing is Type HF.
- 18. No existing drains on bridge.
- 19. To be determined in final design.