

Madison, Wisconsin

INDEX OF SHEETS

SHEET NO. 1 TITLE SHEET NO. P1-P7 PLAN - JOHN NOLEN BRIDGE REPAIRS SHEET NO. P8 PLAN - EAST WASHINGTON AVE. BRIDGE OVER YAHARA RIVER SHEET NO. P9 PLAN - EAST WASHINGTON AVE. BRDIGE OVER THE WEST BRANCH OF STARKWEATHER CREEK SHEET NO. P10 PLAN – MILWAUKEE STREET BRIDGE OVER THE WEST BRANCH OF STARKWEATHER CREEK



CONVENTIONAL	SIGNS
FIELD VERIFY ALL UTILI	TY LOCATIONS
GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	w
OVERHEAD ELECTRIC	ОН
POWER POLE	<u>ь</u>
ADA COMPLIANT RAMP DETECTABLE WARNING	W/ 🖂 FIELD

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS. SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.



SITE LOCATION PLAN

5/9/2018

S/ONAL EN. Kuthi 'R' Schul 5/ 10/2018

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	LIST OF DRAWINGS SHEET NO. DRAWING TITLE P1 SITE LOCATION PLAN P2 OVERALL PLANS - 1 P3 OVERALL PLANS - 2				
	P4 OVERALL PLANS - 3 P5 FRAMING PLANS P6 DETAILS - 1 P7 DETAILS - 2	DATE:			
	DRAFTING SYMBOLS				
	KEY/SPECIFIC NOTE CALL-OUT EXISTING OBJECTS ARE SCREENED	tevisions			
	HIDDEN OBJECT	ľ			
Ţ Ţ	SECTION CUT	NO.			
	GENERAL NOTES		1 1		
	1. DIMENSIONS SHOWN ON DRAWINGS ARE BASED ON THE ORIGINAL STRUCTURE PLANS.				
	2. ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT UNLESS SHOWN OTHERWISE.			RS	
	3. DRAWINGS ARE NOT TO SCALE. STRUCTURAL DESIGN BY: (SHEETS P1 THROUGH P7)		SITE LOCATION PLAN	JOHN NOLEN DRIVE CAUSEWAY BRIDGE REPAI	CITY OF MADISON ENGINEERING DIVISION MADISON, WI
	NISCONSIN				-
	* KEITH R *	╞	PR	JOB N 1020.1 0JECT	D. 11 MGR.
	BEHREND E-42073	┝	PR	KRB	MGR.
	MADISON WI				





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		JOB 1020 ROJEC	NO 11 T M	CITY OF	
	DVERALL PLANS - 1			MADISON ENGINEERING DIVISION	
	0. REV				
 KEYNOTES REPAIR CONCRETE APPROACH PAVEMENT. SEE "DETAILS - 2" SHEET. REPAIR STEEL EXPANSION JOINT COVER PLATE. SEE "DETAILS - 2" SHEET. 	SIONS				
	DATE:				
GENERAL NOTES 1. SEE GENERAL NOTES ON "SITE LOCATION PLAN" SHEET.					





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5/9/2018

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GENERAL NOTES

1. SEE GENERAL NOTES ON "SITE LOCATION PLAN" SHEET.

<u>KEYNOTES</u>

- () REPAIR OR REPLACE IN-KIND STEEL TOE BOARD ALONG BIKE/PED STEEL RAILING. SEE PHOTO THIS SHEET.
- REPAIR OR REPLACE IN-KIND STEEL RAILING PICKETS THAT ARE BENT/DAMAGED. STRAIGHTEN RAILING HORIZONTAL MEMBERS ADJACENT TO BENT PICKETS. SEE PHOTO THIS SHEET.



TYPICAL BENT PICKETS

TYPICAL BENT TOE BOARD

DATE:								
REVISIONS								
NO.								
	OVERALL PLANS - 2			JOHN NOLEN DRIVE CAUSEWAY BRIDGE REPAIRS		CITY OF MADISON ENGINEERING DIVISION	MADISON, WI	
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GENERAL NOTES

1. SEE GENERAL NOTES ON "SITE LOCATION PLAN" SHEET.

<u>KEYNOTES</u>

- PROVIDE CONCRETE SURFACE REPAIRS AT END OF PIER. SEE PHOTO THIS SHEET.
- PROVIDE CONCRETE SURFACE REPAIRS AND FIBER WRAP GIRDER REINFORCING AT END OF EXTERIOR GIRDER IMMEDIATELY SOUTH OF PIER. SEE PHOTO THIS SHEET.



EXISTING END OF PIER & GIRDER

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9	Dz	-	-	-	-	-	-	
	OVERALL PLANS - 3		00	JOHN NOLEN DRIVE CAUSEWAY BRIDGE REPAIRS	10.	CITY OF MADISON ENGINEERING DIVISION	MADISON, WI	
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GENERAL NOTES

1. SEE GENERAL NOTES ON "SITE LOCATION PLAN" SHEET.

<u>KEYNOTES</u>

- (1) PROVIDE NEW EXPANSION BEARING ASSEMBLY IN FRONT OF THE EXISTING BEARING. NEW BEARING ASSEMBLY TO BEAR ON EXISTING CONCRETE PIER. SEE "DETAILS - 1" SHEET.
- PROVIDE NEW EXPANSION BEARING ASSEMBLY IN FRONT OF THE EXISTING BEARING. NEW BEARING ASSEMBLY TO BEAR ON EXISTING CONCRETE ABUTMENT. SEE "DETAILS - 1" SHEET.
- (3) PROVIDE BOTH A NEW STEEL BRACKET ASSEMBLY AND EXPANSION BEARING ASSEMBLY IN FRONT OF THE EXISTING BEARING. NEW BEARING ASSEMBLY TO BEAR ON NEW BRACKET ASSEMBLY. SEE "DETAILS -1" AND "DETAILS - 2" SHEETS.
- PROVIDE STEEL WEDGING BELOW EXISTING BEARING ASSEMBLY TO RAISE EXISTING BEARING TO BE SNUG AGAINST BOTTOM OF EXISTING GIRDER. SEE "DETAILS - 2" SHEET.

DATE:						
REVISIONS						
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			PAIRS	NO		
	FRAMING PLANS	<u>0</u>	JOHN NOLEN DRIVE CAUSEWAY BRIDGE REI	CITY OF MADISON ENGINEERING DIVISI	MADISON, WI	



5/9/2018

PIER OR

ABUT SEAT

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ELEVATION (NEW BEARING SUPPORTED BY EXISTING CONCRETE SUBSTRUCTURE)







BEARING ASSEMBLY GENERAL NOTES

ALL BEARING MATERIALS SHALL CONFORM TO ASTM A709 GRADE 50W. EXCEPT ITEMS #2 & #4.

ALL STRUCTURAL STEEL PLATES SHALL BE FLAT ROLLED & FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

PINTLES SHALL CONFORM TO ASTM SPECIFICATION TYPE A449, OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

BEARING ASSEMBLIES SHALL BE PAINTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

NON-LAMINATED ELASTOMERIC BEARING PADS SHALL CONFORM TO WISCONSIN DOT STANDARD SPEC SECTION 506.2.6.

STAINLESS STEEL PLATES SHALL CONFORM TO ASTM A240, TYPE 304.

BEARING ASSEMBLY KEY NOTES

- MASONRY PLATE, 5¾"×¾"×1'-8".
- PINTLE 1"\$\DPATH\$', DRILL INTO TOP OF MASONRY PLATE FOR DRIVING FIT, CHAMFER TOP OF PINTLE 1/8"
- (3) ROCKER PLATE, 6"×11/6 "×1'-8" BOTTOM SURFACE TO BE MACHINE FINISHED TO ANSI250. PROVIDE $1^{l}\!/_{8}"$ DIA. \times $5^{\prime}\!_{8}"$ DEEP HOLES IN BOTTOM, CENTERED ON PINTLES. MACHINE FINISH IN DIRECTION PARALLEL TO $\mathbb E$ of girder.
- (4) STAINLESS STEEL PLATE, 5"×1/2"×1'-41/2", WITH TEFLON SURFACE ON TOP SIDE ONLY. TEFLON SURFACE SHALL BE MINIMUM V_{16} " THICK. PLACE WITH SCRIVE MARKS IN DIRECTION OF MOVEMENT, BOND STEEL PLATE AND TEFLON WITH ADHESIVE MATERIAL MEETING THE REQUIREMENTS FOUND IN THE WISDOT STANDARD SPECIFICATIONS.
- (5) KEEPER BAR EACH SIDE, $\frac{1}{4}$ "× $\frac{1}{4}$ "×6".
- (6) BAR, 1"×1"×4", CHAMFER 1/2".
- (7) BEARING PAD, $5\frac{3}{4}$ "× $\frac{1}{8}$ "×1'-8" (NON-LAMINATED ELASTOMERIC).
- 8 WEDGE PLATES, 5¾"×¾"×1'-8", TAPERED TO 1/8".

NO.	REVISIONS	DATE:	

STRAND

ASSOCIATES

SHEET

DETAILS

P6







PLOT SCALE: 40.0401 sf / in.



PLOT SCALE: 39.9999 sf / in.