

CITY OF MILWAUKEE
 BEARING REPLACEMENT
 AT THE
SIXTH STREET VIADUCT
 CABLE STAYED BRIDGE
 OVER CP RAILROAD AND ST. PAUL AVE.
 MILWAUKEE COUNTY



Department of
Public Works

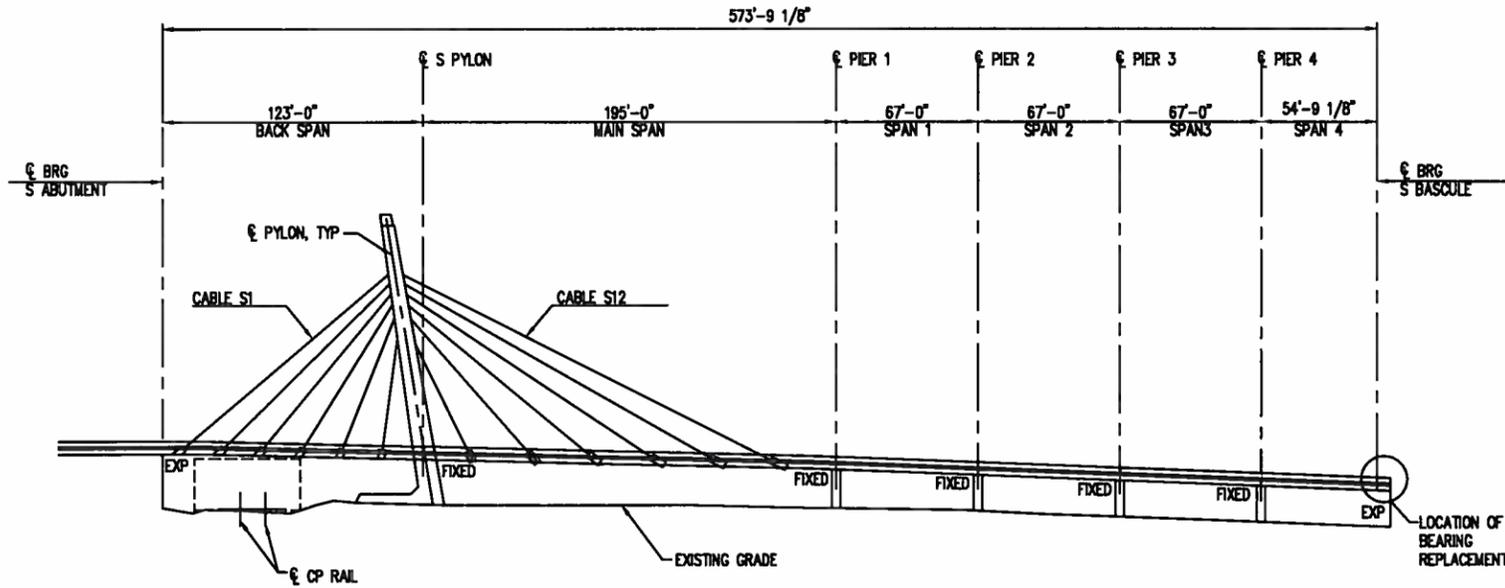
Infrastructure
Services
Division

k p f f Consulting Engineers
 630 Davis Street, 5th Floor
 Evanston, Illinois, 60201
 (847) 858-7790
 Fax (847) 424-1431

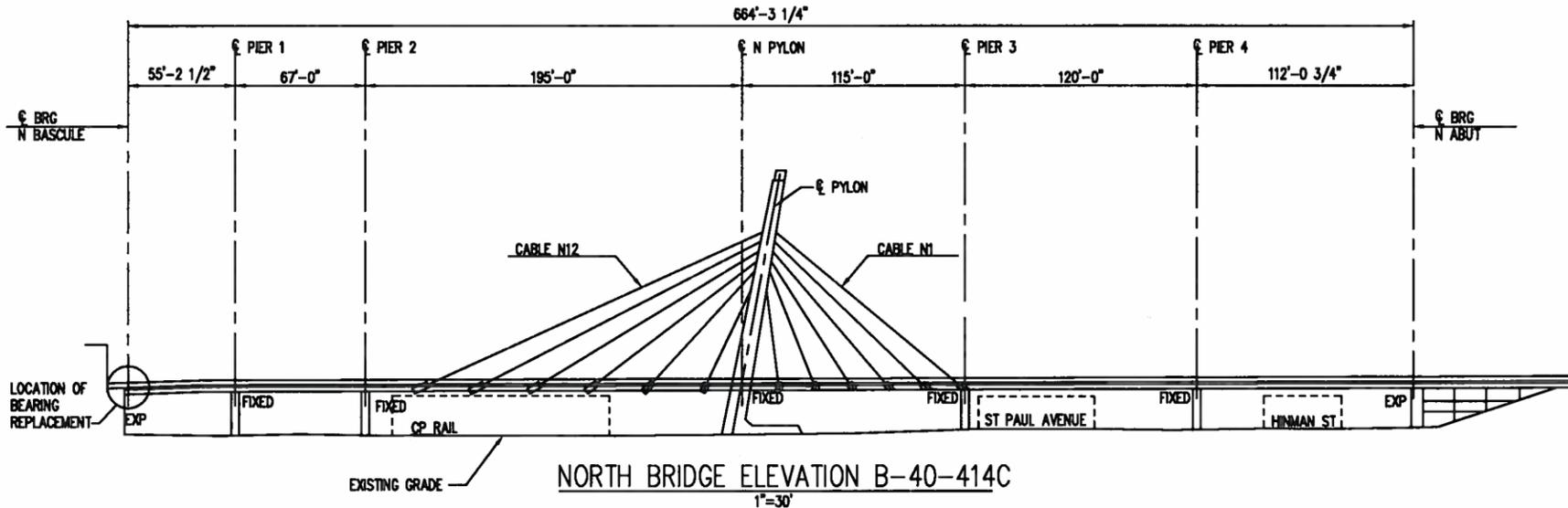
6TH ST. OVER CP RAILROAD
 & ST. PAUL AVE.
 TITLE SHEET

REVISIONS

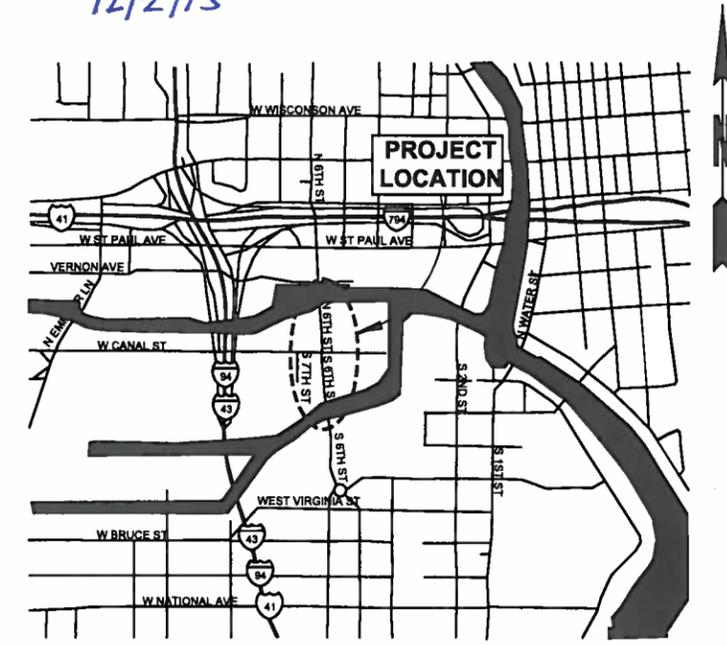
DESIGNED BY
STW
 DRAWN BY
AD
 CHECKED BY
CAL
 DATE
9/13
 SCALE
AS SHOWN
 JOB NUMBER
112432
 SHEET NUMBER
1
 OF
2



SOUTH BRIDGE ELEVATION B-40-413A
 1"=30'



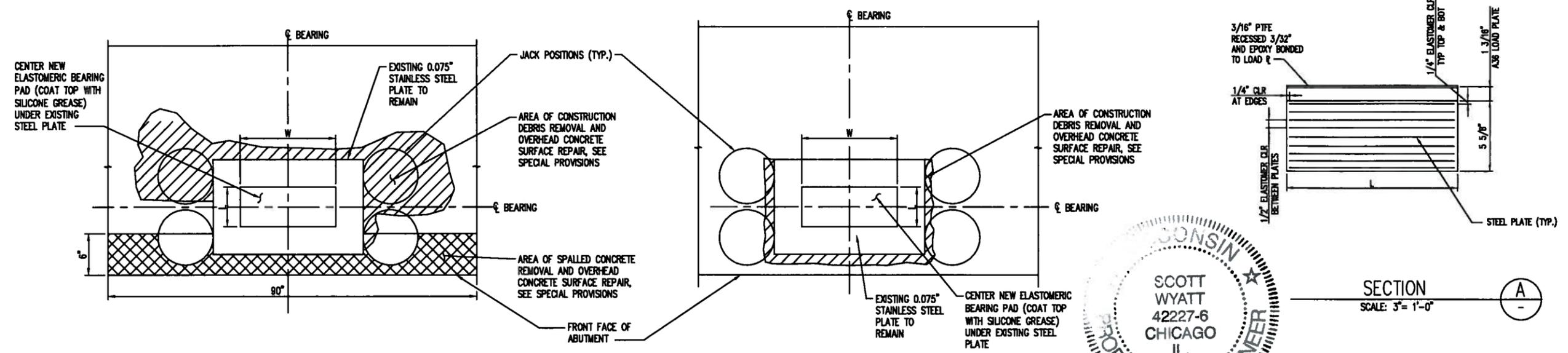
NORTH BRIDGE ELEVATION B-40-414C
 1"=30'



VICINITY MAP
 NTS

DRAWING INDEX	
SHEET NO.	SHEET TITLE
1	TITLE SHEET
2	CONCRETE REPAIR AND BEARING REPLACEMENT DETAILS

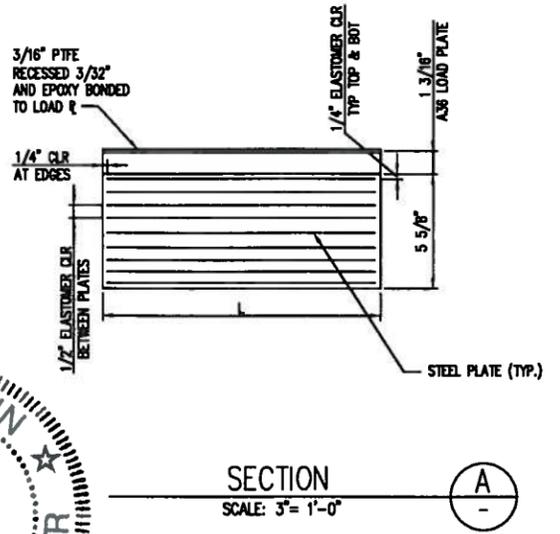
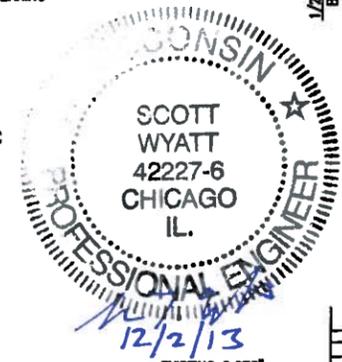
APPROVED BY:
Craig S. Ribetto 2/20/14
 STRUCTURES MANAGER
 DATE
Jeffrey D. Delmon 2/20/14
 ENGINEER IN CHARGE
 DATE
[Signature] 2/20/14
 CITY ENGINEER / SPECIAL DEPUTY COMMISSIONER
 OF PUBLIC WORKS
 DATE



PLAN - WEST BEARING SOUTH BRIDGE*

PLAN - EAST BEARING SOUTH BRIDGE*

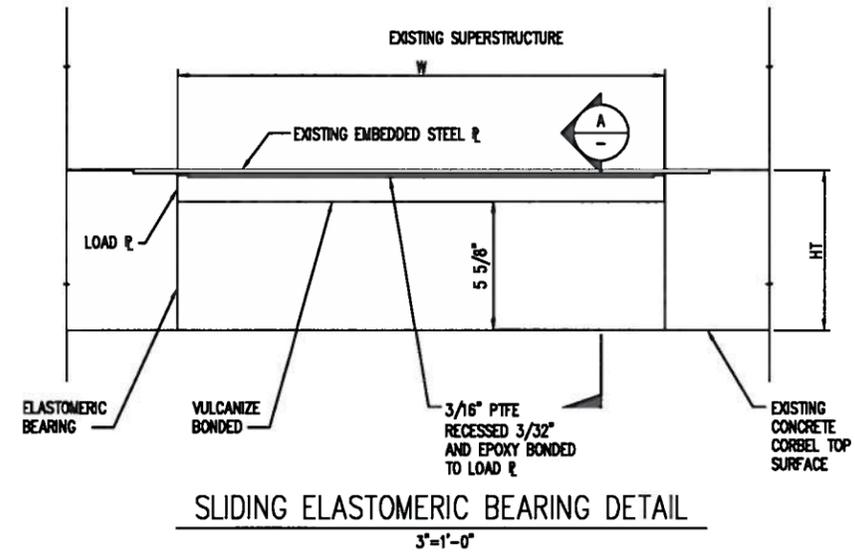
* SOUTH BRIDGE SHOWN. NORTH BRIDGE SIMILAR WITHOUT SPALLED CONCRETE, CONSTRUCTION DEBRIS REMOVAL AND OVERHEAD CONCRETE SURFACE REPAIR



SECTION A-A
 SCALE: 3" = 1'-0"

NOTES:

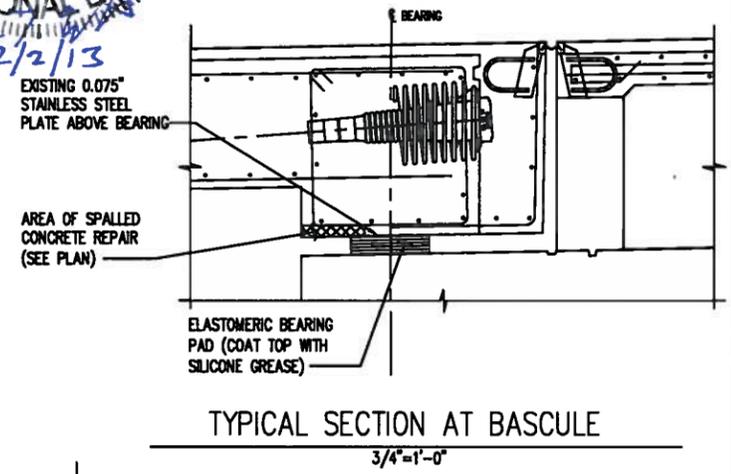
1. ALL DETAILS, MATERIALS, AND FABRICATION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION EDITION OF 2014 EXCEPT AS OTHERWISE NOTED.
2. CONTRACTOR TO COORDINATE ACCESS, STAGING AREAS AND WORK SCHEDULES WITH ALL ADJACENT PROPERTY OWNERS AND THE CITY OF MILWAUKEE.
3. CONTRACTOR TO VERIFY EXISTING BEARING HEIGHTS.
4. THE JACKING HEIGHT OF THE SUPERSTRUCTURE SHALL NOT EXCEED A MAXIMUM OF 1/4 INCH.
5. CLEAN AND REMOVE ALL PAINT FROM THE UNDERSIDE OF THE EMBEDDED STAINLESS STEEL PLATE ABOVE THE BEARINGS AT EACH LOCATION.
6. APPLY SILICONE GREASE TO PTFE TOP SURFACE OF BEARING AND UNDERSIDE OF STAINLESS STEEL PLATE.
7. ROUGHEN CONCRETE SURFACE ON BEARING SEAT, AFTER REMOVAL OF EXISTING BEARING.
8. ELASTOMER DUROMETER SHALL BE 60 +/- 5.
9. DO NOT PAINT THE BEARINGS OR EXISTING EMBEDDED STAINLESS STEEL PLATES.
10. PTFE TOP SURFACE OF THE NEW BEARINGS SHALL BE IN ACCORDANCE WITH AASHTO 18.8.
11. CONCRETE REPAIR MATERIAL TO OBTAIN 4000 PSI PRIOR TO JACKING.
12. JACK BOTH BEARINGS SIMULTANEOUSLY.
13. JACKS SHALL BE ABLE TO SUPPORT 1.5 TIMES THE MINIMUM DEAD LOAD.



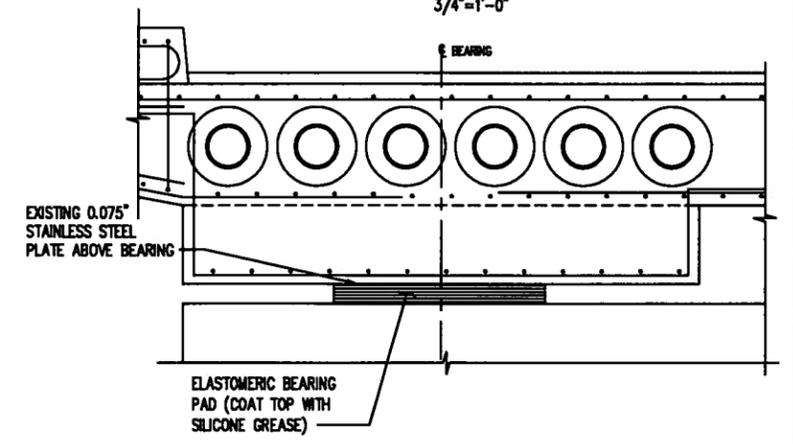
SLIDING ELASTOMERIC BEARING DETAIL
 3'-1'-0"

BEARING LOCATION	BRIDGE	# OF BRGS	L (IN)	W (IN)	STEEL REINFORCEMENT PLATES		TOTAL BEARING HT *	MIN SUPERSTRUCTURE DL PER BEARING	EXISTING EMBEDDED STAINLESS STEEL PL TO REMAIN
					PLATE THICKNESS	QTY.			
S. BASCULE	SOUTH B-40-413A	2	18	22	.125"	9	6.906"	325 KIPS	25" x 30"
N. BASCULE	NORTH B-40-414C	2	18	28	.125"	9	6.906"	320 KIPS	22" x 36"

* INCLUDES LOAD PLATE AND PTFE



TYPICAL SECTION AT BASCULE
 3/4" = 1'-0"



TYPICAL ELEVATION AT BASCULE
 3/4" = 1'-0"