

BRIDGE - WEST ELEVATION 1 : 250

BEARING DESIGN TABLE LONGITUDINAL TRANSVERSE LONGITUDINAL TRANSVERSE VERTICAL MOVEMENT MOVEMENT ROTATION LIMIT PERMANENT TOTAL TOTAL QUANTITY STATE MK. DESCRIPTION TYPE [KN] [KN] [MM] [MM] [RADIANS [KN] [KN] 700 MULTI DIRECTIONAL 0.002 STEEL REINFORCED ELASTOMERIC ULS 840 1125 115 SLS 310 615 MULTI DIRECTIONAL 0.002 **ABUTMENTS** STEEL REINFORCED ELASTOMERIC ULS 375 950 95 SLS 440 660 65 0.002 STEEL REINFORCED ELASTOMERIC MULTI DIRECTIONAL ULS 530 790 80 SLS 3470 4860 485 DISC MULTI DIRECTIONAL 0.02 ULS 4165 6800 680 PIER 1 AND PIER 3 SLS 2830 3870 390 DISC MULTI DIRECTIONAL 0.02 ULS 3395 5565 560 920 SLS 2980 4020 405 FIXED DISC 0.02

MULTI DIRECTIONAL

DISC

ULS

SLS

ULS

3575

3470

4165

5740

4860

6800

575

485

680

EL. 215.000

PIER 2

BEARING INSTALLATION NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

GRADE

- 2. BEARINGS TO BE INSTALLED IN THIS CONTRACT ARE BEING SUPPLIED BY THE SUCCESSFUL BIDDER OF CITY OF WINNIPEG BID OPPORTUNITY 957-2010 SUPPLY, FABRICATION, AND DELIVERY OF BEARINGS - OSBORNE STREET BRIDGE.
- 3. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL WORKS, MATERIAL, LABOUR, SUPERINTENDENCE, AND ALL OTHER ITEMS INCIDENTAL TO PERFORM THE REPLACEMENT OF THE BEARINGS.
- 4. THE CONTRACTOR SHALL NOT TEMPORARILY RESTRICT NAVIGATION ALONG THE RIVER THAN THAT SHOWN.
- 5. CONTRACTOR TO SUBMIT DETAILED CALCULATIONS AND SHOP DRAWINGS OF THE JACKING PROCEDURES AND ANY TEMPORARY WORKS REQUIRED TO RAISE THE BRIDGES.
- 6. RAISE WHOLE CROSS SECTION OF THE BRIDGES AT EACH SUBSTRUCTURE UNIT (ABUTMENT OR PIER), BY PHASE. THE JACKING SYSTEM MUST BE CAPABLE TO RAISE THE BRIDGE UP TO 15mm ABOVE THE FINAL HEIGHT OF THE BEARING AS INDICATED ON THE DRAWINGS TO PERMIT NEW BEARING INSTALLATION. CONTRACTOR TO LIMIT THE AMOUNT OF THE BRIDGE RAISING TO THE MINIMUM REQUIRED TO INSTALL THE BEARING AND TO A MAXIMUM OF 40MM FROM ORIGINAL HEIGHT OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- 7. SET BEARINGS FOR THE TEMPERATURE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- 8. PROTECT THE BEARINGS FROM DAMAGE DURING SHIPPING, HANDLING, AND INSTALLATION.
- 9. FIELD WELDING TO CONFORM TO THE LATEST EDITION OF CSA W59.

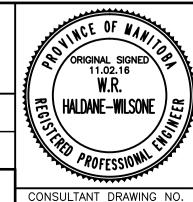
	APEGIN
Certif	icate of Authorization
Werdr	rop Engineering inc.
No. 195	Date: April 30, 2011

0.02

1480

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	B.M. ELEV.		F.B.		WARDROP		NCE OF WAN
ŀ					ATETRA	ORIGINAL SIGNED 11.02.16 W.R.	
F					DESIGNED R.H.W.	CHECKED E.F.S.	HALDANE-WILSONE
ŀ					DRAWN BY B.M./G.I.	APPROVED R.H.W.	POFESSIONN CHES
ŀ					HOR. SCALE: AS NOTED	RELEASED FOR DATE CONSTRUCTION	CONSULTANT DRAWING NO.
ı	00 IS	SUED FOR TENDER	11.02.18	RHW	VERTICAL:	ORIGINAL SIGNED 11.02.16	0000070502 DWC 50017
	NO. RE	EVISIONS	DATE	BY	DATE	MATT CHISLETT, P.ENG BRIDGE PROJECTS ENGINEER	0900070502-DWG-S0013

L.W.L. ELEV 221.638



	Winnipeg								
	OSBORNE STREET REHABILITATION & RI								

	THE CITY OF	WINNIPE
nnipeg	PUBLIC WORKS DEPA ENGINEERING DIVISIO	
RNF STRFF	T BRIDGE	CITY DRAWING NUM

SBORNE STREET BRIDGE THABILITATION & RELATED WORKS	CITY DRAWING NUMBER B109-11-018
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