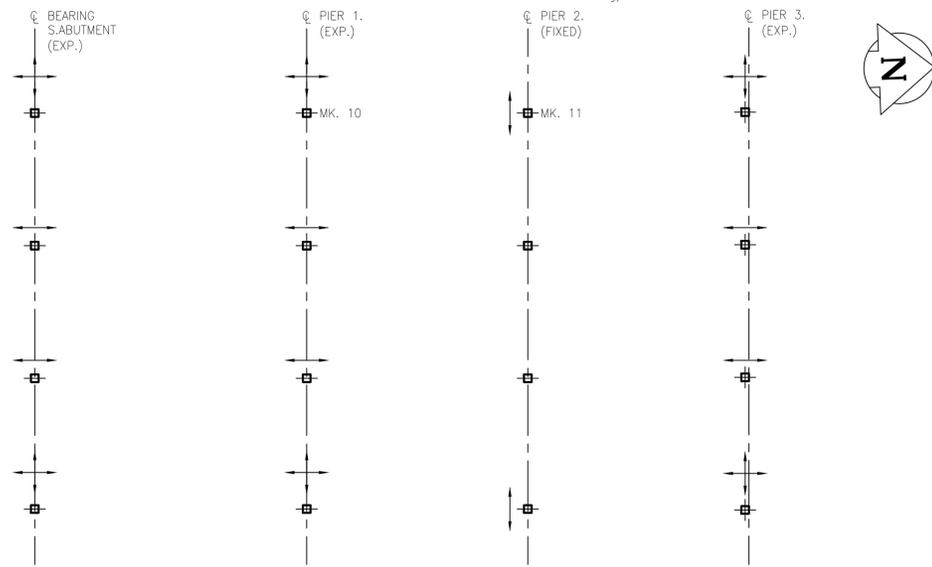
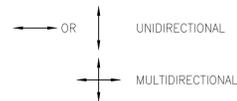


A1 SIZE (594 mm x 841 mm) | C:\Users\jquereau\OneDrive\Documents\CA0047563-3090 - Midtown Bridge - C2A\Project Files\01-Bridges\03-Working Drawings\CA0047563-3090 - Midtown Bridge Repairs - bearing repair details.dwg | Layout: 4 Bearing Repair Details | Printed: May 12, 2025 at 5:21:14 PM | Last saved by: patheis | File: C:\Users\jquereau\OneDrive\Documents\WSP - Canada projects (MEX)\CA0047563-3090 - Midtown Bridge Repairs - bearing repair details.dwg



**RIVER CROSSING SPAN - BEARING KEY PLAN**  
SCALE 1:200

**BEARING LEGEND**



**NORTH**



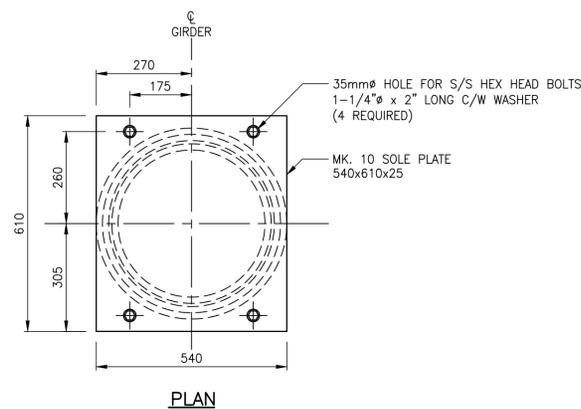
**PHOTO OF EXISTING MK. 10 BEARING AT PIER 1 (LOOKING SOUTHEAST)**

BEARING DESIGN DATA		
LOCATION	PIER 1	PIER 2
DEAD LOAD <sub>s</sub>	2640	2640

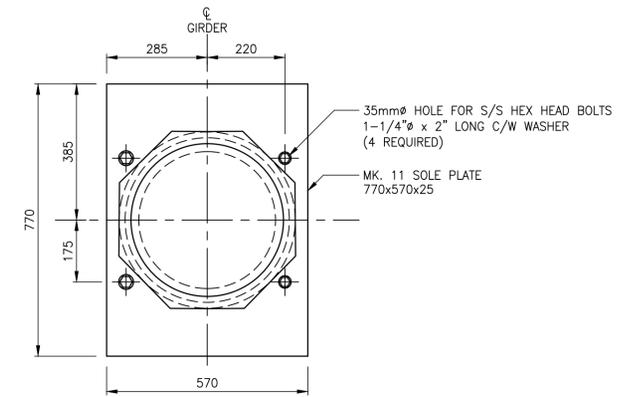
\*LOADS EXPRESSED IN KILONEWTONS.



**PHOTO OF EXISTING MK. 11 BEARING AT PIER 2 (LOOKING SOUTHEAST)**

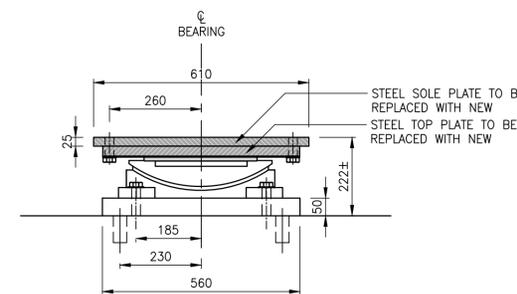


**MULTIDIRECTIONAL SPHERICAL SLIDING BEARING (MK. 10)**  
SCALE 1:10



**UNIDIRECTIONAL SPHERICAL SLIDING BEARING (MK. 11)**  
SCALE 1:10

**NORTH**

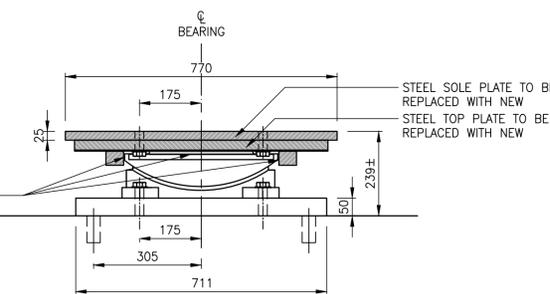


**LONGITUDINAL ELEVATION**

**MULTIDIRECTIONAL SPHERICAL SLIDING BEARING (MK. 10)**

SCALE 1:10  
(MASS PER MK. 10 SOLE PLATE = 66kg  
MASS PER MK. 10 STEEL TOP PLATE = 55kg)

**NORTH**

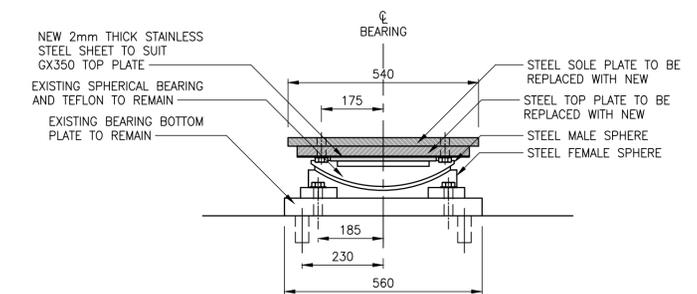


**LONGITUDINAL ELEVATION**

**UNIDIRECTIONAL SPHERICAL SLIDING BEARING (MK. 11)**

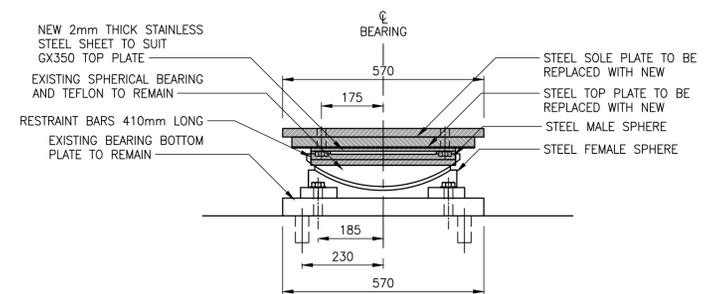
SCALE 1:10  
(MASS PER MK. 11 SOLE PLATE = 88kg  
MASS PER MK. 11 STEEL TOP PLATE = 75kg)

**SOUTH**



**TRANSVERSE ELEVATION**

**SOUTH**



**TRANSVERSE ELEVATION**

**WEST**

**EAST**

METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**MK. 10 AND MK. 11 BEARING TOP PLATES AND RESTRAINING BARS TO BE FIELD MEASURED AND REPLACED WITH NEW**



LOCATIONS APPROVED UNDERGROUND STRUCTURES			
SIGNED BY:	SUPV U/G STRUCTURES	DATE	

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

No.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	25.05.13	MLW

		WSP Canada Inc. 1600 Buffalo Place Winnipeg MB R3T 6B8 T+1 204-943-3178 www.wsp.com	
		DESIGNED BY: GN	CHECKED BY: EH
DRAWN BY: SB	APPROVED BY: MLW	RELEASED FOR CONSTRUCTION: M.MADY P.H., P.ENG. CITY OF WINNIPEG	
HOR. SCALE: AS NOTED	VERTICAL: AS NOTED	CONSULTANT PROJECT No. CA0047563.3090	

ENGINEER'S SEAL
CONSTRUCTED BY

<b>THE CITY OF WINNIPEG</b> PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	MIDTOWN BRIDGE MAINTENANCE REPAIRS AND RELATED WORKS	CITY DRAWING NUMBER <b>B114-25-04</b>
	BEARING REPAIR DETAILS	BID OPPORTUNITY NUMBER <b>329-2025</b>
	SHEET <b>4</b> OF <b>9</b> REV <b>0</b>	

NOTE: These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.