

FUTURE JACKING LOADS 1						
	JACKING Mk.	UNFACTORED PERMANENT LOAD (kN/JACKING LOCATION)	TOTAL UNFACTORED LOAD (kN/BEARING)	FACTORED PERMANENT LOAD (kN/BEARING)	TOTAL FACTORED LOAD (kN/BEARING)	
		[kN]	[kN]	[kN]	[kN]	
S-0 & S-5 (Exp)	1	815	1330	1000	2095	
0-0 & 0-0 (Ελβ)	2	490	795	605	1250	
S-1 & S-4 (Exp)	1	1290	1960	1595	3015	
	2	710	1090	880	1685	
S-2 (Exp)	1	1290	1930	1580	2955	
0-2 (Lλp)	2	710	1075	875	1660	
S-3 (Fxd)	1	1290	1930	1580	2955	
3-3 (FXU)	2	710	1075	875	1660	

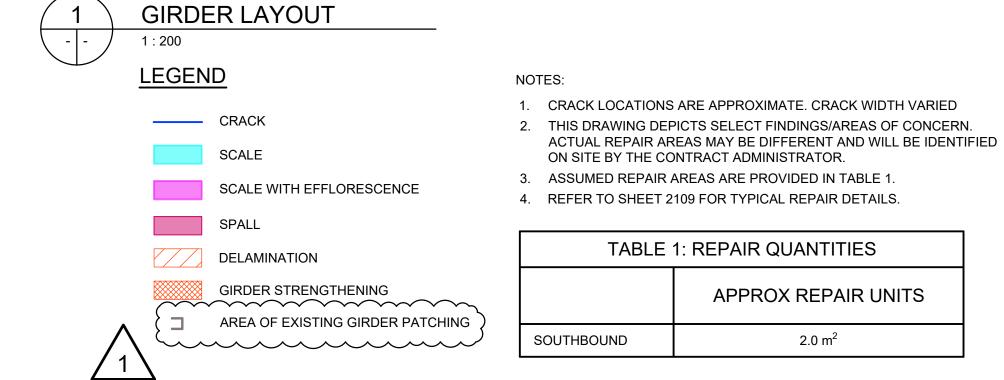
* TABLE CONSIDERS SHORT TERM LOAD EFFECTS - NO LONG TERM CREEP AND SHRINKAGE ARE INCLUDED. ** LATERAL LOADS TO BE CALCULATED BASED ON TEMPORARY SUPPORT SYSTEM.

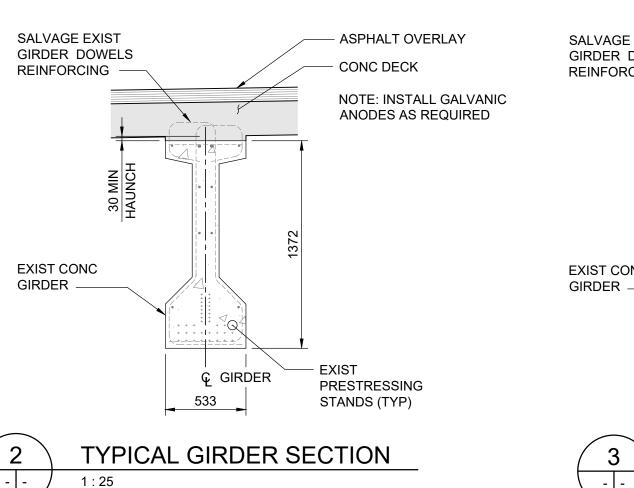
REHABILITATION JACKING NOTES:

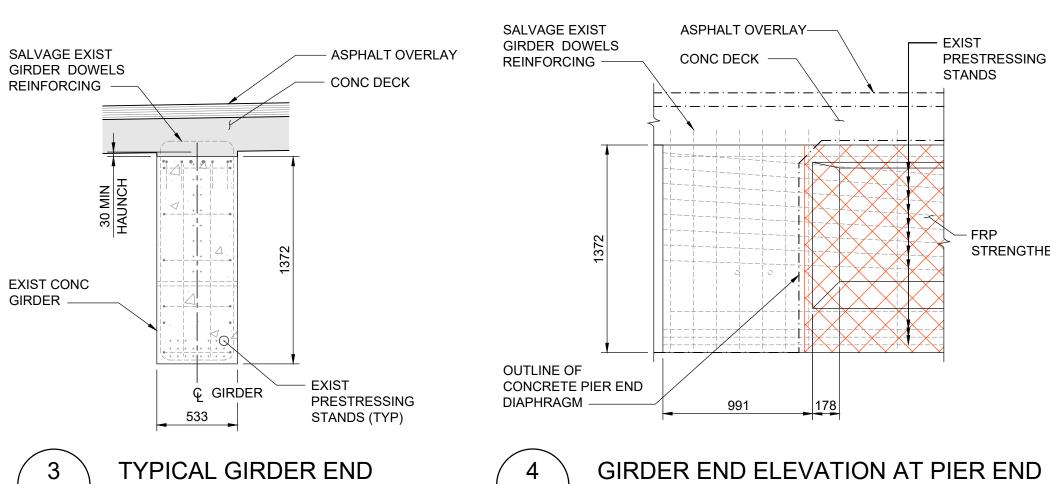
- 1. JACKING MUST BE COMPLETED ON ALL GIRDERS ON A SUBSTRUCTURE UNIT CONCURRENTLY.
- 2. JACKING LOADS DURING CONSTRUCTION JACKING SHALL BE DETERMINED BY THE CONTRACTOR BASED ON THE PROPOSED SEQUENCE OF WORK AND ANTICIPATED CONSTRUCTION LOADS. JACKING LOADS AND METHODOLOGY SHALL BE PRESENTED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL PRIOR TO JACKING.
- 3. JACKING IS PERMITTED FROM THE EXISTING GIRDERS ADJACENT TO THE EXISTING BEARINGS PROVIDED THE AREA OF THE JACKING PLATE IS NOT LESS THEN AREA OF THE EXISTING BEARINGS.
- 4. JACKING HEIGHT SHALL CONSIDER THE HEIGHT OF THE PERMANENT BEARINGS. JACKING HEIGHT SHALL BE LIMITED TO ONLY WHAT IS REQUIRED TO REPLACE BEARINGS.
- 5. FOR BEARING REPLACEMENT SEQUENCE OF WORK REFER TO 2115.

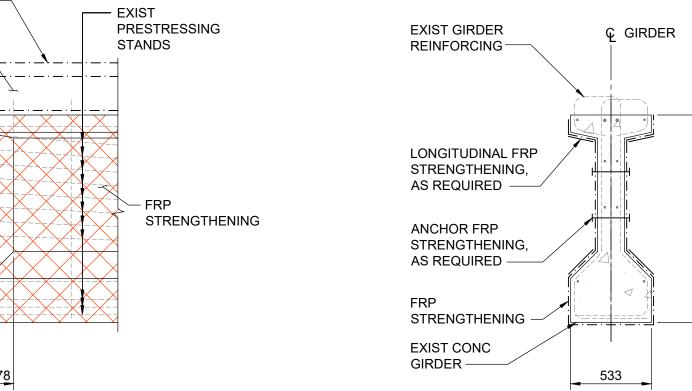
FUTURE JACKING NOTES:

- 1. DURING FUTURE JACKING, JACKING SHALL BE DONE FROM THE CENTER OF THE ABUTMENT AND PIER END DIAPHRAGMS, REFER TO SHEET 2120 FOR LOCATIONS.
- 2. JACKING MUST BE COMPLETED ON ALL GIRDERS ON A SUBSTRUCTURE UNIT CONCURRENTLY.
- JACKING OF BRIDGE SHALL BE DONE WITH NO LOAD LOAD ON THE BRIDGE. ONCE BRIDGE IS IN BLOCKED CONDITION, LIVE LOAD IS PERMITTED WITH A SINGLE TRAFFIC LANE IN THE CENTER OF THE BRIDGE.









1:25

EXISTING GIRDER ENDS HAVE BEEN PREVIOUSLY COATED WITH ACTIVATED ARC SPRAY ZINC.



GIRDER STRENGTHENING SECTION

FRP DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES

REFER TO SHEET 1004 FOR FRP STRENGTHENING NOTES.



	M. EV.				TET	RA TECH	ORIGINAL DRAWING REVISION " 0 " SEALED BY	Ŵ
				DESIGNED BY DRAWN BY	RL EV	REVIEWED SA APPROVED KA	S.Y.I. AWAD 25.08.07	LAGI OVER REHA
)	ISSUED FOR ADDENDUM 5 ISSUED FOR TENDER	25.09.22 25.08.07	RL SA	SCALE:	AS NOTED	ACCEPTED BY DATE CAM WARD, P.ENG. 25.08.07	CONSULTANT DRAWING NO.	SOU GIRE
Э.	REVISIONS	DATE	BY	DATE 2	25.08.07		704-INF.MBI03007.01-DWG-S2118	

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BY	Winnipeg ENGINEERING DIVISION						
	LAGIMODIERE TWIN OVERPASSES	CITY DRAWING NUMBER B123-25-2118					
	OVER CPKC KEEWATIN REHABILITATION AND RELATED WORKS	SHEET OF 18	47				
118	SOUTHBOUND STRUCTURE GIRDER REPAIR AND STRENGTHENING LAYOUT	2118					