

DESCRIPTION	SIZE		
2W INSERTS FOR 25Ø LEB	25Ø		
EYE BOLT C/W 2 PLATE WASHERS	25Ø x 75 LG.		
NG PIN	38Ø x 750 LG.		
	12Ø x 30 LG.		

	TEEL R UNIT	
GTH	No. /UNIT	BENDING DIAGRAM
50	8	
50	8	180
	48.5	075 520 520 520 520 520 520 520 520 520 52
	1903	470 Mk. B1
IUS A	RE OUT TO O	UT. RADIUS IS INSIDE DIMENSION.

MARK	No. [Extra]	DESCRIPTION	SIZE	REMARKS	UNIT MASS	TOTAL MASS
ABUTMEN	rs:					
BP1	4	BEARING BASE PLATE	PL 500 x 1350 x 25	AS DETAILED	132.470	529.88
BP2	24	SS EXPANSION ANCHOR C/W WASHER & NUT	25Ø x 300	BASE PLATE MK. "BP1" TO ABUTMENT	1.623	38.95
BP3	4	EXPANSION ANCHOR C/W WASHER & NUT 16Ø x 150 TRANSOM BOLSTER RETAINING ANGLE MK. "BR2" TO ABUTMENT		0.358	1.43	
BP4	32	SS EXPANSION ANCHOR C/W WASHER & NUT	25Ø x 250	FOR BRACE MK. "S1" TO ABUTMENT	1.414	45.25
BR1	4	EXPANSION BEARING RETAINING ANGLE L 76 x 76 x 9.5 x 305 LG. FOR EXPANSION BEARINGS ONLY (EAST ABUTMENT) AS DETAILED				13.05
BR2	2	TRANSOM BOLSTER RETAINING ANGLE	L 76 x 76 x 9.5 x 305 LG.	FOR TRANSOM BOLSTERS AS DETAILED	3.264	6.53
S1	4	GALVANIZED STEEL ANGLE BRACE UNIT AS DETAILED	AS DETAILED	AS DETAILED	92.95	371.80
S2	24	GALVANIZED LAG SCREWS	16Ø x 250	BRACE STRUT MK. "B4" TO BACKWALL	0.397	9.53
S3	20	GALVANIZED LAG SCREWS	16Ø x 100	BRACE MK. "S1" TO BRACE STRUT MK "B4" AND RETAINING ANGLE MK. "BR2" TO TRANSOM BOLSTER MK. "B5"	0.161	3.22
S4	38	GALVANIZED THREADED ROD C/W NUTS AND WASHER AS DETAILED	25Ø x 1300	AS DETAILED	4.890	185.82
W1	4	WINGWALL RETAINING ANGLE	L 152 x 152 x 13 x 2190 LONG	AS DETAILED	63.51	254.04
W2	196	GALVANIZED LAG SCREWS	16Ø x 75	WINGWALL PLANKS TO PILES AND ANGLE	0.116	22.73
W3	24	GALVANIZED BOLT C/W WASHER AND NUT	25Ø x 525	RETAINING ANGLE TO BACKWALL	2.750	66.00
W4	24	GALVANIZED PLATE WASHER	100 x 100 WITH 28Ø HOLE	FOR BOLT MK. "W3"	0.746	17.90
W5	24	SS EXPANSION ANCHOR C/W WASHER AND NUT	25Ø x 300	RETAINING ANGLE TO ABUTMENT 1.623		
DECK:						
PL1	2	EXPANSION PLATE	19 x 500 x 4750	AS DETAILED	356.241	712.48
PL2	32	LAG SCREWS FOR EXPANSION PLATE	10Ø x 125 LONG	AS DETAILED	0.071	2.27
Y2	500 [8]	ARDOX NAILS, GALVANIZED	7Ø x 200 LONG	CROSS TIE MK. "T3" TO NAILER MK. "T1":	0.060	30.00
Y3	3800 [20]	ARDOX NAILS, GALVANIZED	7Ø x 125 LONG	RUNNING PLANKS MK. "T5" TO CROSS TIE MK. "T3"	0.038	144.40
R8	100	THREADED ROD (C/W 2 HEX NUTS, 2 - 50Ø WASHERS & 2 - 75Ø WASHERS)	AS DETAILED 2		208.90	
GUARDRA	ILS:					
G1	26	PLATE	300 x 300 x 12.7 THICK	FOR THRIE BEAM RAILING SEE DETAILS	8.973	180.12
G2	48	GUARDRAIL BOLT C/W WASHER & NUT	16Ø x 70 LONG	BLOCKS MK. "G4" TO THRIE BEAM AT PANEL INTERMEDIATE VERTICL BARS	0.194	9.31
G3	52	GUARDRAIL BOLT C/W WASHER & NUT	16Ø x 225 LONG	CHANNEL MK. "G1" TO PANEL END VERTICAL BARS TO BLOCKS MK. "G5" TO THRIE BEAM	0.395	20.54
		I			OTAL MASS (kg)	2 913.10

	B.M. ELEV.		DESIGNED BY	GCL	11 ₁	ENGINEER'S SEAL	ENGINEER'S SEAL	THE CITY OF	WINNIPEG	
			DRAWN BY	JLD		ORIGINAL STAMPED BY G.C.	OUNCE OF MAN ORIGINAL STAMPED BY K.G.	Winnipeg WATER AND WASTE DEPARTMENT		
GM			CHECKED BY MBL	DILLON		WILLIS DECEMBER 17, 2014	BRIDGE OVER THE FALCON RIVER	CITY DRAWING NUMBER		
prization			APPROVED BY	MBL	CONSULTING	Member 24656	A Member 33036	DIVERSION & ASSOCIATED ROADWORKS	SHEET 10 OF 13	
nited (MB) EC. 17/14	0 ISSUED FOR TENDER	14/12/17 GCL	HOR. SCALE VERTICAL		RELEASED FOR CONSTRUCTION	CONSULTANT P	ROJECT NUMBER	DECK AND GUARDRAIL DETAILS 2 OF 2	CONSULTANT DRAWING NUMBER	
	NO. REVISIONS	DATE BY	DATE	2014/12/17	DATE	13-8363				