

A1 SIZE 23.4" x 33.1" (594mm x 841mm) PLOT: 10/04/12 7:59:59 AM AECOM FILE NAME: 0265-412-00_01-S-0101_RX.dwg Saved By: hennied

DRAWING LIST

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DESIGN DATA

DESIGN SPECIFICATIONS

LIVE LOADING	CANADIAN HIGHWAY BRIDGE DESIGN CODE CAN / CSA - S6 - 06
CONCRETE	CHBDC CL-625 f _c = 35 MPa HPC OVERLAY CSA CLASS OF EXPOSURE C-XL f _c = 35 MPa SUPERSTRUCTURE (DECK REPLACEMENT) CSA CLASS OF EXPOSURE C-1 f _c = 35 MPa SUBSTRUCTURE CSA CLASS OF EXPOSURE C-1
REINFORCING STEEL	FOR TRAFFIC BARRIERS ON BRIDGE DECK, DECK EXTENSIONS, AND WING-WALLS. • STAINLESS STEEL TO ASTM A955M GRADE 60[420] 2205 DUPLEX (UNS S31803) OR 316LN (UNS 31653) FOR APPROACH SLABS, TRAFFIC BARRIERS ON APPROACH SLABS, MEDIANS ON APPROACH SLABS, REINFORCED CONCRETE PAVEMENTS, AND TRAFFIC BARRIERS ON REINFORCED CONCRETE PAVEMENTS ALONG MSE RETAINING WALL, OVERHEAD SIGN PILE FOUNDATION SHALL BE GALVANIZED REINFORCING BARS. FOR OTHER STRUCTURAL ELEMENTS NOT NOTED ABOVE • REINFORCING STEEL BARS TO CAN/CSA G30.18-M92, GRADE 400W
GLASS FIBRE REINFORCED POLYMER (GFRP)	ASLAN 100 FIBREGLASS REBAR OR APPROVED EQUAL FOR DECK IN ACCORDANCE WITH B6
COVER TO REINFORCING STEEL/GFRP:	70mm (TO TOP OF HPC OVERLAY)
TOP OF BRIDGE DECK	20mm
U/S BRIDGE DECK	38mm (EXISTING)
SIDEWALK & CURBS	60mm
ALL OTHER CAST IN PLACE CONCRETE, U.N.O.	60mm
ALUMINUM BRIDGE PEDESTRIAN RAILS AND POSTS	ASTM B221-M83 ALLOY 6061-T6 OR ALLOY 6351-T6
ROADWAY GEOMETRY	CONFORMS TO REQUIREMENTS OF THE LATEST CITY OF WINNIPEG STREETS AND TRANSPORTATION STANDARD MANUAL AND 1999 TRANSPORTATION ASSOCIATION OF CANADA GEOMETRIC DESIGN GUIDE

DESIGN NOTES

ALL DIMENSIONS SHOWN ON THESE DRAWINGS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION, OR PRIOR TO PREPARATION OF SHOP DRAWINGS, AND SHALL MAKE APPROPRIATE ADJUSTMENTS TO THE APPLICABLE DETAILS AND DIMENSIONS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL THEN FABRICATE AND CONSTRUCT THE WORKS IN ACCORDANCE WITH THE CORRECTED DIMENSIONS, INCIDENTAL TO THE WORKS AND AT NO ADDITIONAL COST.

LIST OF ABBREVIATIONS

ABUT	ABUTMENT	DWG	DRAWING	I.F.	INSIDE FACE	PT	POST TENSIONING
APPROX	APPROXIMATE	DWL	DOWEL	INT	INTERMEDIATE	PTFE	POLYTETRAFLUORETHYLENE
@	AT	E	EAST	J	EXPANSION JOINT GAP	PREP	PREPARATION
AL	ALUMINIUM	EC	END CURVE	LL	LIVE LOAD	PROP	PROPOSED
ALT	ALTERNATE	EF	EACH FACE	LG	LONG	R	RADIUS
&	AND	ES	EACH SIDE	LLH	LONG LEG HORIZONTAL	RAD	RADIAL
B TO B	BACK TO BACK	EW	EAST AND WEST	MAX	MAXIMUM	RDWY	ROADWAY
BC	BEGIN CURVE	E & W	EAST AND WEST	MID	MIDDLE	REQ	REQUIRED
BOT	BOTTOM	EXP	EXPANSION	MIG	METAL INERT GAS	S	SOUTH
BRG	BEARING	EXST	EXISTING	MIN	MINIMUM	SPS	SPACES
BRKT	BRACKET	FF	FAR FACE	N	NORTH	SS	STAINLESS STEEL
CL	CENTRE LINE	F/S	FAR SIDE	NF	NEAR FACE	STD	STANDARD
℄	CENTRE LINE	FXD	FIXED	NO	NUMBER	SU	SUBSTRUCTURE UNIT
C TO C	CENTRE TO CENTRE	FL	FLOOR	NTS	NOT TO SCALE	T	TOP
CLR	CLEAR	FTG	FOOTING	OC	ON CENTRE	T&B	TOP & BOTTOM
CONC	CONCRETE	GALV	GALVANIZED	OD	OUTSIDE DIAMETER	T.O.	TOP OF
CTR	CENTRE	GA	GAUGE	O.F.	OUTSIDE FACE	TYP	TYPICAL
C/W	COMPLETE WITH	HEX	HEXAGONAL	OPT	OPTIONAL	U/N	UNLESS NOTED
DBA	DEFORMED BAR ANCHOR	HLS	HOLES	OSL	OUTSTANDING LEG	UNO	UNLESS NOTED OTHERWISE
∅	DIAMETER	HORIZ	HORIZONTAL	PCS	PIECES	U/S	UNDER SIDE
DL	DEAD LOAD	HSS	HOLLOW STRUCTURAL STEEL	PERP	PERPENDICULAR	VERT	VERTICAL
		ID	INSIDE DIAMETER	PL	PLATE	W	WEST

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



BID OPPORTUNITY NO. 133-2010

LOCATION APPROVED UNDERGROUND STRUCTURES SUPR. U/G STRUCTURES COMMITTEE DATE NOTE: 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 WITH CONSTRUCTION.	BM 00-000 ELEV 200.000m	This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from stated dimensions.	PROFESSIONAL'S SEAL PROVINCE OF MANITOBA ORIGINAL SIGNED A. POCHANART Member 9007 MARCH 24/2010 REGISTERED PROFESSIONAL ENGINEER	THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION JUBILEE AVENUE OVERPASS REHABILITATION	CITY DRAWING NUMBER B124-10-02 SHEET 02 OF 51 DRAWING No. REV 02 1
	DESIGNED BY AP CHECKED BY SBB / CGC DRAWN BY DJH APPROVED BY HOR. SCALE AS NOTED VERT. SCALE AS NOTED NO. REVISIONS YYMMDD BY DATE YYMMDD	RELEASED FOR CONSTRUCTION CONSULTANT DRAWING NO. 0265-412-00_01-S-0101_RX.dwg	DRAWING LIST, DESIGN DATA & ABBREVIATIONS		