A1 SIZE 23.4" x 33.1" (594mm x 841mm)

DRAWING LIST

GENERAL DRAWINGS

SUBSTRUCTURES - PILE LAYOUT AND ABUTMENTS

DECK

APPROACH SLABS AND GUARDRAILS

ROADS

DESIGN DATA

DESIGN SPECIFICATIONS	CANADIAN HIGHWAY BRIDGE DESIGN CODE CAN / CSA - S6 - 06
LIVE LOADING	MODIFIED AASHTO HSS25
CONCRETE	f'c = 35 MPa SUPERSTRUCTURE f'c = 30 MPa SUBSTRUCTURE
REINFORCING STEEL	MICROCOMPOSITE REINFORCING STEEL(MMFX - 2) TO ASTM A615 & AASHTO M31, GRADE 75 (520 MPa)
	CLEAR COVER TO REINFORCING STEEL: 50mm TOP OF BRIDGE DECK 60mm U/S BRIDGE DECK 25mm ABUMENTS 50mm SIDEWALK & CURBS 60mm ALL OTHER CAST IN PLACE CONCRETE, U.N.O. 60mm
ALUMINIUM 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 PREPERATION 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	IF	INSIDE FACE		
APPROX	APPROXIMATE	DWL	DOWEL	INT	INTERMEDIATE	PTFE	POLYTETRAFLOURETHYLENE
@	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	E & W	EAST AND WEST	MAX	MAXIMUM	RDWY	ROADWAY
BC	BEGIN CURVE	EXP	EXPANSION	MID	MIDDLE	REQ	REQUIRED
BOT	BOTTOM	EXST	EXISTING	MIG	METAL INERT GAS	S	SOUTH
BRG	BEARING	FF	FAR FACE	MIN	MINIMUM	SPS	SPACES
BRKT	BRACKET	F/S	FAR SIDE	N	NORTH	SS	STAINLESS STEEL
CL	CENTRE LINE	FXD	FIXED	NF	NEAR FACE	STD	STANDARD
℄	CENTRE LINE	FL	FLOOR	NO	NUMBER	SU	SUBSTRUCTURE UNIT
C TO C	CENTRE TO CENTRE	FTG	FOOTING	NTS	NOT TO SCALE	T	TOP
CLR	CLEAR	GALV	GALVANIZED	OC	ON CENTRE	T&B	TOP & BOTTOM
CONC	CONCRETE	GA	GAUGE	OD	OUTSIDE DIAMETER	TO	TOP OF
CTR	CENTRE	HEX	HEXAGONAL	OF	OUTSIDE FACE	TYP	TYPICAL
C/W	COMPLETE WITH	HLS	HOLES	OPT	OPTIONAL	U/N	UNLESS NOTED
DBA	DEFORMED BAR ANCHOR	HORIZ	HORIZONTAL	OSL	OUTSTANDING LEG	UNO	UNLESS NOTED OTHERWISE
Ø	DIAMETER	HSS	HOLLOW STRUCTURAL STEEL	PCS	PIECES	U/S	UNDER SIDE
DL	DEAD LOAD	ID	INSIDE DIAMETER	PERP	PERPENDICULAR	VERT	VERTICAL
				PL	PLATE	W	WEST

SURVEY BAR-HORIZONTAL CONTROL POINTS-PROJECT COORDINATES					NAD83 DATUM		
CONTROL POINT	LOCATION	NORTHING	EASTING	ELEVATION	NORTHING	EASTING	ELEVATION
#1	IB @ PI OF E PL OF PARKHILL ST & S PL OF HAMILTON AVE	9592.401	9732.421	235.835	5528107.510	622647.490	-
#2	IB @ PI OF S PL OF SONNICHSEN PL. & W PL OF HAMILTON AVE	10254.297	9970.492	237.865	5528745.217	622943.895	-
NOTE: THE PROJECT DRAWINGS HAVE A SCALE FACTOR OF 1.000262 APPLIED TO LBIS INFORMATION TO MATCH LOCAL PROJECT COORDINATES							

APEGM
Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: May 10, 2007

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 349-2007

BM 40-012
ELEV 238.149m

NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	07/05/10	DJH

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DESIGNED BY	BLL	CHECKED BY	SBB
DRAWN BY	CPK	APPROVED BY	BrB
HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION	
VERT. SCALE	AS NOTED		
DATE	07/04/30	DATE	May 10/07

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
B.L. LAU
May 10, 2007
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
0265-397-00_01-S-0002_RX.dwg

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

HAMILTON AVENUE BRIDGE REHABILITATION

DRAWING LIST, DESIGN DATA AND ABBREVIATIONS

CITY DRAWING NUMBER: B133-07-02
SHEET 02 OF 30
DRAWING No. 02 REV 0

PLOT: 07/05/10 11:38:41 AM
UMA FILE NAME: 0265-397-00_01-S-0002_RX.dwg Saved By: ccrossma