

GENERAL NOTES

- ALL STEEL SHALL CONFORM TO CSA-G40.21 1998, GRADE 350 WT, CATEGORY 3 AND SHALL BE GALVANIZED TO CSA G164-M92 "HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES" AFTER FABRICATION.
- BOLTS SHALL BE M22 A325, TYPE 1 AND SHALL BE GALVANIZED. BOLT THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES OF ANY SURFACES.
- ALL WELDING SHALL BE IN ACCORDANCE WITH CSA W59-M1989 "WELDED STEEL CONSTRUCTION".
- FABRICATORS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W47.1-92 "CERTIFICATION OF COMPANIES FOR FUSION OF STEEL STRUCTURES".
- UNLESS OTHERWISE NOTED, THE MINIMUM FILLET WELDS SHALL BE:
8mm FOR PLATE <= 20mm THICK
8mm FOR PLATE > 20mm THICK
- THE CONTACT SURFACES OF BOLTED PARTS SHALL BE HOT DIP GALVANIZED OR ZINC METALIZED AND THEN HAND WIRE BRUSHED.

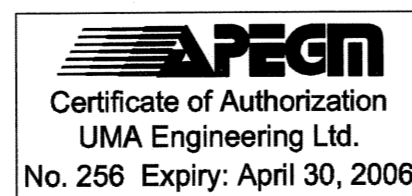
ERECTOR'S NOTES

- WHERE EXISTING RIVETS ARE TO BE REMOVED, THEY SHALL BE REMOVED BY MECHANICAL MEANS ONLY. NO HEAT SHALL BE APPLIED TO THE RIVETS UNLESS APPROVED BY THE ENGINEER.
- PROVIDE TEMPORARY SUPPORT FOR THE EXISTING STRINGERS.
- REMOVE EXISTING STEEL BRACKETS FROM THE EXISTING END FLOOR BEAM AS NOTED.
- REAM EXISTING 21mm(13/16") Ø HOLES TO 24mm(15/16") Ø HOLES.
- INSTALL PROPOSED STEEL BRACKETS TO THE EXISTING END FLOOR BEAM WITH M22 A325 BOLTS.

NOTE:

ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OR PRIOR TO PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL MAKE THE 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.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



<p>UMA Engineering Ltd. * Consulting * Engineering * Construction * Management Services</p>		<p>ENGINEER'S SEAL PROVINCE OF MANITOBA B.L. LAU REGISTERED PROFESSIONAL ENGINEER CONSULTANT DRAWING NO. 25 0265-376-00</p>
DESIGNED BY: BLL	CHECKED BY: SBB	
DRAWN BY: JJA	APPROVED BY: <i>BWB</i>	
HOR. SCALE: AS SHOWN	ACCEPTED BY: <i>[Signature]</i>	
VERT. SCALE: AS SHOWN	DATE: 2005 07 07	
NO. 0	ISSUED FOR CONSTRUCTION	05/07/05
NO. REVISIONS	BY	YY/MM/DD

Bid Opportunity No. 257-2005

**THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT**

**REDWOOD BRIDGE
REHABILITATIVE MAINTENANCE AND
RELATED WORKS**

**BRIDGE END FLOOR BEAM REPLACEMENT
KEY PLAN**

CITY DRAWING NUMBER
B113-05-25

SHEET 25 OF 74

REV 25 0