

PART A - BRIDGE WORK

CITY OF WPG. DWG. NUMBER	W.E.I. DWG. NUMBER	DWG. DESCRIPTION
B173-08-001W	0600070700-DWG-S1101	COVER SHEET
B173-08-002W	0600070700-DWG-S1102	DESIGN DATA AND LIST OF DRAWINGS
B173-08-003W	0600070700-DWG-S1103	SITE PLAN - GENERAL LAYOUT
B173-08-004W	0600070700-DWG-S1104	BRIDGE - SCOPE OF WORK
B173-08-005W	0600070700-DWG-S1105	GENERAL ARRANGEMENT - PLAN, ELEVATION AND CROSS SECTION
B173-08-006W	0600070700-DWG-S1106	DECK PROFILE 1
B173-08-007W	0600070700-DWG-S1107	DECK PROFILE 2
B173-08-008W	0600070700-DWG-S1108	WEST ABUTMENT DEMOLITION
B173-08-009W	0600070700-DWG-S1109	WEST ABUTMENT - CONCRETE DETAILS 1
B173-08-010W	0600070700-DWG-S1110	WEST ABUTMENT - CONCRETE DETAILS 2
B173-08-011W	0600070700-DWG-S1111	WEST ABUTMENT - CONCRETE DETAILS 3
B173-08-012W	0600070700-DWG-S1112	WEST ABUTMENT - REINFORCING DETAILS 1
B173-08-013W	0600070700-DWG-S1113	WEST ABUTMENT - REINFORCING DETAILS 2
B173-08-014W	0600070700-DWG-S1114	EAST ABUTMENT DEMOLITION
B173-08-015W	0600070700-DWG-S1115	EAST ABUTMENT - CONCRETE DETAILS 1
B173-08-016W	0600070700-DWG-S1116	EAST ABUTMENT - CONCRETE DETAILS 2
B173-08-017W	0600070700-DWG-S1117	EAST ABUTMENT - CONCRETE DETAILS 3
B173-08-018W	0600070700-DWG-S1118	EAST ABUTMENT - REINFORCING DETAILS 1
B173-08-019W	0600070700-DWG-S1119	EAST ABUTMENT - REINFORCING DETAILS 2
B173-08-020W	0600070700-DWG-S1120	STIFFENER PLATES INSTALLATION ON ABUTMENT DIAPHRAGMS
B173-08-021W	0600070700-DWG-S1121	GIRDER BOTTOM FLANGE STRENGTHENING - PLANS AND SECTION
B173-08-022W	0600070700-DWG-S1122	GIRDER BOTTOM FLANGE STRENGTHENING - SPANS 1, 3 AND 4
B173-08-023W	0600070700-DWG-S1123	GIRDER BOTTOM FLANGE STRENGTHENING - SPAN 5
B173-08-024W	0600070700-DWG-S1124	GIRDER BOTTOM FLANGE STRENGTHENING - SECTIONS AND DETAILS
B173-08-025W	0600070700-DWG-S1125	BRIDGE DECK - CONCRETE DETAILS 1
B173-08-026W	0600070700-DWG-S1126	BRIDGE DECK - CONCRETE DETAILS 2
B173-08-027W	0600070700-DWG-S1127	BRIDGE DECK - REINFORCING DETAILS 1
B173-08-028W	0600070700-DWG-S1128	BRIDGE DECK - REINFORCING DETAILS 2
B173-08-029W	0600070700-DWG-S1129	BRIDGE DECK - REINFORCING DETAILS 3
B173-08-030W	0600070700-DWG-S1130	BRIDGE DECK - REINFORCING DETAILS 4
B173-08-031W	0600070700-DWG-S1131	LAYOUT OF CONCRETE BARRIER AND ALUMINUM TRAFFIC BARRIER
B173-08-032W	0600070700-DWG-S1132	CONCRETE BARRIER - SECTIONS AND DETAILS
B173-08-033W	0600070700-DWG-S1133	CONCRETE BARRIER & STREET LIGHT BASE - REINFORCING DETAILS
B173-08-034W	0600070700-DWG-S1134	ALUMINUM TRAFFIC BARRIER - SECTIONS AND DETAILS
B173-08-035W	0600070700-DWG-S1135	EXPANSION JOINTS - DETAILS 1
B173-08-036W	0600070700-DWG-S1136	EXPANSION JOINTS - DETAILS 2
B173-08-037W	0600070700-DWG-S1137	EAST AND WEST APPROACH SLABS - CONCRETE DETAILS
B173-08-038W	0600070700-DWG-S1138	EAST AND WEST APPROACH SLABS - REINFORCING DETAILS
B173-08-039W	0600070700-DWG-S1139	SLOPE PAVING MODIFICATIONS - PLANS AND SECTIONS
B173-08-040W	0600070700-DWG-S1140	REINFORCING SCHEDULE 1 - (MMFX 2)
B173-08-041W	0600070700-DWG-S1141	REINFORCING SCHEDULE 2 - (BLACK BARS)
B173-08-042W	0600070700-DWG-S1142	REINFORCING SCHEDULE 3 - (BLACK BARS)
B173-08-043W	0600070700-DWG-S1143	BRIDGE AND PEDESTRIAN UNDERPASS LIGHTING AND DETAILS

PART B - ROADWORK

CITY OF WPG. DWG. NUMBER	W.E.I. DWG. NUMBER	DWG. DESCRIPTION
B173-08-044W	0600070700-DWG-C1015	LEGENDS AND ABBREVIATIONS
B173-08-045W	0600070700-DWG-C1019	TRAFFIC CONTROL PLAN, WESTBOUND DETOURS AND TRAFFIC MOVEMENTS
B173-08-046W	0600070700-DWG-C1010	PAVEMENT RECONSTRUCTION & WIDENING, BISHOP GRANDIN BOULEVARD WESTBOUND EXIT LANES TO PEMBINA HIGHWAY
B173-08-047W	0600070700-DWG-C1011	PAVEMENT RECONSTRUCTION & WIDENING, BISHOP GRANDIN BOULEVARD WESTBOUND LANES TO WAVERLEY STREET WEST OF RED RIVER
B173-08-048W	0600070700-DWG-C1012	PAVEMENT RECONSTRUCTION & WIDENING, BISHOP GRANDIN BOULEVARD WESTBOUND BRIDGE PROFILE & PROPOSED LANE CONFIGURATION
B173-08-049W	0600070700-DWG-C1013	PAVEMENT RECONSTRUCTION & WIDENING, BISHOP GRANDIN BOULEVARD WESTBOUND LANES FROM RED RIVER TO 80m EAST OF RIVER RD.
B173-08-050W	0600070700-DWG-C1014	PAVEMENT CONSTRUCTION, BISHOP GRANDIN BOULEVARD WESTBOUND NORTH LANES FROM 80m E OF RIVER RD. TO 400m E OF RIVER RD.
B173-08-051W	0600070700-DWG-C1017	NEW PAVEMENT CONSTRUCTION, BISHOP GRANDIN BOULEVARD WESTBOUND NORTH LANE FROM 400m E OF RIVER RD. TO 680m E
B173-08-054W	0600070700-DWG-C1016	DETAILS

PART C - DETOUR WORK

CITY OF WPG. DWG. NUMBER	W.E.I. DWG. NUMBER	DWG. DESCRIPTION
B173-08-052W	0600070700-DWG-C1008	EASTBOUND DETOUR LANES FOR 2009 OPERATIONS, THOUGH LANES FROM WAVERLEY STREET, CONSTRUCTION SEPT 1, 2008 TO NOV 1, 2008
B173-08-053W	0600070700-DWG-C1018	EASTBOUND DETOUR LANES FOR 2009 OPERATIONS, THOUGH LANES EAST OF RED RIVER, CONSTRUCTION SEPT 1, 2008 TO NOV 1, 2008

DESIGN DATA:

DESIGN SPECIFICATIONS: CANADIAN HIGHWAY BRIDGE DESIGN CODE CAN/CSA-S6-06
LIVE LOADING: CHBDC CL-625

CONCRETE: TYPE 1 FOR SUBSTRUCTURE AND SLOPE PAVING CSA A23.1 CLASS C-1 f'c = 35 MPa @ 28 DAYS
TYPE 2 FOR DECK, BARRIERS, APPROACH SLABS AND ROADWAY EXPANSION SLAB CSA A23.1 CLASS C-1 f'c = 35 MPa @ 28 DAYS - WITH CRUSHED GRANITE AGGREGATE AND SYNTHETIC FIBRES
TYPE 3 FOR HIGH PERFORMANCE CONCRETE (HPC) OVERLAY CSA A23.1 CLASS C-XL f'c = 50 MPa @ 56 DAYS - WITH CRUSHED GRANITE AGGREGATE AND SYNTHETIC FIBRES

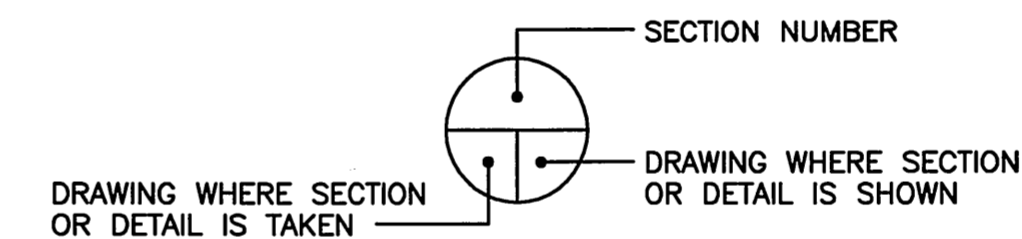
REINFORCING STEEL: DECK SLAB, BARRIER AND APPROACH SLAB - MICRO COMPOSITE REINFORCING STEEL (MMFX-2) TO ASTM A615 AND AASHTO M31, GRADE 75 (520 MPa)
ALL OTHER AREAS - CSA G30.18 -M92, GRADE 400W

STRUCTURAL STEEL: CSA G40.21-M92 GRADE 350WT CATEGORY 3 UNLESS OTHERWISE NOTED

ROADWAY GEOMETRY CONFORM TO REQUIREMENTS OF THE LATEST CITY OF WINNIPEG STREET AND TRANSPORTATION STANDARD MANUAL, TRANSPORTATION ASSOCIATION OF CANADA (TAC) OR AASHTO

REFERENCE DRAWINGS: AS BUILT DRAWINGS - ROUTE 165 FORT GARRY-ST. VITAL CORRIDOR BRIDGE ALTERNATIVE A STEEL BOX GIRDER P.D. No. 77-23A (DRAWING No. B-5092-001 THRU B-5092-234)

SECTIONS AND DETAILS:



B.M. ELEV.		F.B.		WARDROP Engineering Inc.				THE CITY OF WINNIPEG		CITY DRAWING NUMBER B173-08-002W SHEET 2 OF 54
DESIGNED BY	E.F.S.	CHECKED BY						FORT GARRY TWIN BRIDGES WESTBOUND STRUCTURE REHABILITATION AND ASSOCIATED ROADWORKS DESIGN DATA AND DRAWING LIST		
DRAWN BY	G.I.	APPROVED BY								
HOR. SCALE: AS NOTED		ACCEPTED BY	DATE	CONSULTANT DRAWING NO.				0600070700-DWG-S1102-00 SANDY FRIGAS, P. ENG BRIDGE PROJECTS ENGINEER		
00 ISSUED FOR TENDER		08.02.05	EF5	08.02.05		2				