



PLAN
1:250

PROPOSED BRIDGE WORKS - STAGE 1 (2018)	REFERENCE DRAWING NUMBER
1 INSTALL TEMPORARY PPCBs AND DETOUR TRAFFIC ONTO SOUTH PORTION OF THE STRUCTURE	CS-010
2 ISOLATE THE STAGE 1 AND STAGE 2 SUPERSTRUCTURES	CS-035
3 REMOVE EXISTING APPROACH SLABS	CS-015/016
4 EXCAVATE BEHIND ABUTMENTS TO ALLOW FOR ABUTMENT RECONSTRUCTION	CS-015/016
5 TEMPORARILY SUPPORT AND PROTECT BELL MTS DUCT LINES BEHIND ABUTMENTS AND PROTECT BELL MTS DUCT LINES FULL LENGTH OF BRIDGE	CS-014
6 DEMOLISH AND REMOVE EXISTING DECK OVERHANG	CS-014/035
7 JACK-UP AND TEMPORARILY SUPPORT SUPERSTRUCTURE AT WEST AND EAST ABUTMENTS	CS-014
8 COMPLETE ABUTMENT REPAIRS INCLUDING CONCRETE REMOVALS, INSTALLATION OF CATHODIC PROTECTION, CONCRETE REPAIRS, AND INSTALLATION OF NEW BEARINGS	CS-017 TO CS-023
9 LOWER SUPERSTRUCTURE ONTO NEWLY REPAIRED ABUTMENTS	CS-017
10 REMOVE (BY ROTOMILLING) EXISTING HIGH-DENSITY OVERLAY AS DEEP AS PRACTICABLY POSSIBLE	CS-027/033/035/034
11 REMOVE (BY HYDRO-DEMOLITION) EXISTING CONCRETE BRIDGE DECK INCLUDING EXISTING TOP MAT OF REINFORCING STEEL	CS-027/033/035/034
12 REMOVE (BY HYDRO-DEMOLITION) EXISTING CONCRETE BRIDGE DECK (FULL-DEPTH) WHERE SPECIFIED, BOTTOM MAT OF REINFORCING STEEL TO STAY.	CS-030
13 REMOVE EXISTING ABUTMENT, PIER AND DAMAGED INTERIOR DIAPHRAGMS	CS-015/016/029/032
14 REMOVE EXISTING STEEL GIRDER TOP FLANGE SPLICE PLATES AND INSTALL NEW SPLICE PLATES. INSTALL NEW REINFORCING STEEL CAGE AND CAST NEW DIAPHRAGMS TO THE UNDERSIDE OF EXISTING BRIDGE DECK	CS-030
15 FORM NEW DECK OVERHANG	CS-026/028/035
16 PLACE NEW TOP LAYER OF STAINLESS STEEL REINFORCEMENT AND CAST NEW CONCRETE OVERLAY AND OVERHANG	CS-028/033/035/034/036
17 CONSTRUCT NEW CONCRETE TRAFFIC BARRIER AND INSTALL NEW ALUMINUM HANDRAIL	CS-040 TO CS-046
18 SANDBLAST EXISTING STEEL GIRDERS AND APPLY METALLIZED SYSTEM. COMPLETE FLEXURAL AND SHEAR STRENGTHENING OF CONCRETE GIRDERS	CS-031
19 PIER SURFACE REPAIRS	CS-015
20 CONSTRUCT NEW APPROACH SLAB.	CS-038/039
PREPARE BRIDGE SITE FOR WINTER SHUTDOWN	CS-011

PROPOSED BRIDGE WORKS - STAGE 3 (2019)	REFERENCE DRAWING NUMBER
40 COMPLETE CLOSURE POUR BETWEEN STAGE 1 AND STAGE 2 SUPERSTRUCTURES INCLUDING NEW MEDIAN BARRIER	CS-028/034
41 PLACE DECK WATERPROOFING AND PROTECTION SYSTEM	CS-035/038
42 PAVE 90 mm ASPHALT OVERLAY ON DECK	CS-028
43 PLACE NEW RIP-RAP SLOPE PROTECTION	CS-047/048

PROPOSED BRIDGE WORKS - STAGE 2 (2019)	REFERENCE DRAWING NUMBER
21 DETOUR TRAFFIC ONTO NEWLY REHABILITATED NORTH PORTION OF STRUCTURE	CS-012
22 REMOVE EXISTING APPROACH SLABS	CS-015/016
23 EXCAVATE BEHIND ABUTMENTS TO ALLOW FOR ABUTMENT RECONSTRUCTION	CS-015/016
24 DEMOLISH AND REMOVE EXISTING DECK OVERHANG	CS-014/035
25 JACK-UP AND TEMPORARILY SUPPORT SUPERSTRUCTURE AT WEST AND EAST ABUTMENTS	CS-014
26 COMPLETE ABUTMENT REPAIRS INCLUDING CONCRETE REMOVALS, INSTALLATION OF CATHODIC PROTECTION, CONCRETE REPAIRS, AND INSTALLATION OF NEW BEARINGS	CS-017 TO CS-023
27 LOWER SUPERSTRUCTURE ONTO NEWLY REPAIRED ABUTMENTS	CS-017
28 REMOVE (BY ROTOMILLING) EXISTING HIGH-DENSITY OVERLAY AS DEEP AS PRACTICABLY POSSIBLE	CS-027/033/035/034
29 REMOVE (BY HYDRO-DEMOLITION) EXISTING CONCRETE BRIDGE DECK INCLUDING EXISTING TOP MAT OF REINFORCING STEEL	CS-027/033/035/034
30 REMOVE (BY HYDRO-DEMOLITION) EXISTING CONCRETE BRIDGE DECK (FULL-DEPTH) WHERE SPECIFIED, BOTTOM MAT OF REINFORCING STEEL TO STAY.	CS-030
31 REMOVE EXISTING ABUTMENT, PIER AND DAMAGED INTERIOR DIAPHRAGMS	CS-015/016/029/032
32 REMOVE EXISTING STEEL GIRDER TOP FLANGE SPLICE PLATES AND INSTALL NEW SPLICE PLATES. INSTALL NEW REINFORCING STEEL CAGE AND CAST NEW PIER DIAPHRAGMS TO THE UNDERSIDE OF EXISTING BRIDGE DECK.	CS-030
33 FORM NEW DECK OVERHANG	CS-026/028/035
34 PLACE NEW TOP LAYER OF STAINLESS STEEL REINFORCEMENT AND CAST NEW CONCRETE OVERLAY AND OVERHANG	CS-028/033/035/034/036
35 CONSTRUCT NEW CONCRETE TRAFFIC BARRIER AND INSTALL NEW ALUMINUM HANDRAIL	CS-040 TO CS-046
36 SANDBLAST EXISTING STEEL GIRDERS AND APPLY METALLIZED SYSTEM. COMPLETE FLEXURAL AND SHEAR STRENGTHENING OF CONCRETE GIRDERS	CS-031
37 MISCELLANEOUS REPAIRS TO CONCRETE PIERS	CS-030/031
38 CONSTRUCT NEW APPROACH SLAB	CS-038/039

NOTES:

- THIS DRAWING INDICATES THE SCOPE OF THE PROPOSED BRIDGE WORK AND HAS GENERALLY BEEN LISTED IN THE ANTICIPATED SEQUENCE OF CONSTRUCTION.

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DESIGNED BY	DRA	CHECKED BY	SSR
DRAWN BY	NBG	APPROVED BY	MBL
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
ISSUED FOR TENDER	18/02/09	DRA	
NO. REVISIONS	DATE	BY	DATE
			2018/02/09

ENGINEER'S SEAL
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CONSULTANT PROJECT NUMBER
17-5932

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

FERMOR AVENUE BRIDGE OVER SEINE RIVER
BRIDGE RE-HABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET

CITY DRAWING NUMBER
B-118-2017-CS-003

SHEET 003 OF 100

CONSULTANT DRAWING NUMBER
CS-003

OVERALL PLAN OF BRIDGE REHABILITATION WORKS