

SCOPE OF WORK - PHASE 1 NORTHBOUND STRUCTURE (2011)					
ITEM	SHEET No.				
1	ı				
2	_				
3	ı				
4	ı				
(5)	ı				
( <del>6</del> )	_				
	· ·				

8	_				
9	REMOVE EXISTING CONCRETE DECK TO LIMITS SHOWN	_			
10	REMOVE EXISTING EXPANSION JOINTS	_			
11)	REMOVE EXISTING NORTH ABUTMENT PRECAST CONCRETE CHANNEL GIRDERS, APPROACH SLAB AND APPROACH ROADWAY	_			
12	REMOVE EXISTING SOUTH ABUTMENT, APPROACH SLAB, ROADWAY SLAB AND CONCRETE SLAB TO LIMITS SHOWN				
13)	REMOVE EXISTING DRAINS AND RESTORE CONCRETE DECK	_			
14)	-				
15)	REMOVE AND SALVAGE ABANDONED ELECTRICAL AND COMMUNICATION CABLES (BY MANITOBA HYDRO), DISPOSE CONDUITS	_			
16)	_				

REMOVE EXISTING CONCRETE MEDIAN

		(BY MANITOBA HYDRO), DISPOSE CONDUITS						
	16)	EXPOSE, INSPECT, REPAIR, AND PROTECT EXISTING LONGITUDINAL POST TENSIONING TENDONS IN CONCRETE DECK	_					
	17)	REMOVE AND REPLACE BEARINGS ON PIERS AND ABUTMENTS FROM BO-957-2010	_					
	18	CONSTRUCT NEW REINFORCED CONCRETE DECK SLAB TO LIMITS SHOWN	_					
	19	CONSTRUCT NEW REINFORCED CONCRETE SLAB AT NORTH ABUTMENT	_					
	20	CONSTRUCT NEW REINFORCED CONCRETE SIDEWALK SLAB, AND CURB ON BRIDGE AND ABUTMENTS						
	21)	REMOVE EXISTING NAVIGATION LIGHTING AND INSTALL TEMPORARY NAVIGATION LIGHTING AND TEMPORARILY RELOCATE RIVER LEVEL MONITORING SYSTEM  INSTALL HYDRO DUCTS IN THE SIDEWALK SLAB — COORDINATE WITH MANITOBA HYDRO  CONSTRUCT NEW REINFORCED CONCRETE SHOULDER BARRIERS ON BRIDGE AND ABUTMENTS  CONSTRUCT NEW REINFORCED CONCRETE BASES FOR STREET LIGHTS  CONSTRUCT MODIFIED ABUTMENTS AND APPROACHES  SUPPLY AND INSTALL NEW EXPANSION JOINTS						
	22							
	23)							
	24							
	25)							
	26)							
	27	_						
Г	)							

CONSTRUCT NEW SIDEWALK WEARING SURFACE OVERLAY (WSC) TO LIMITS SHOWN

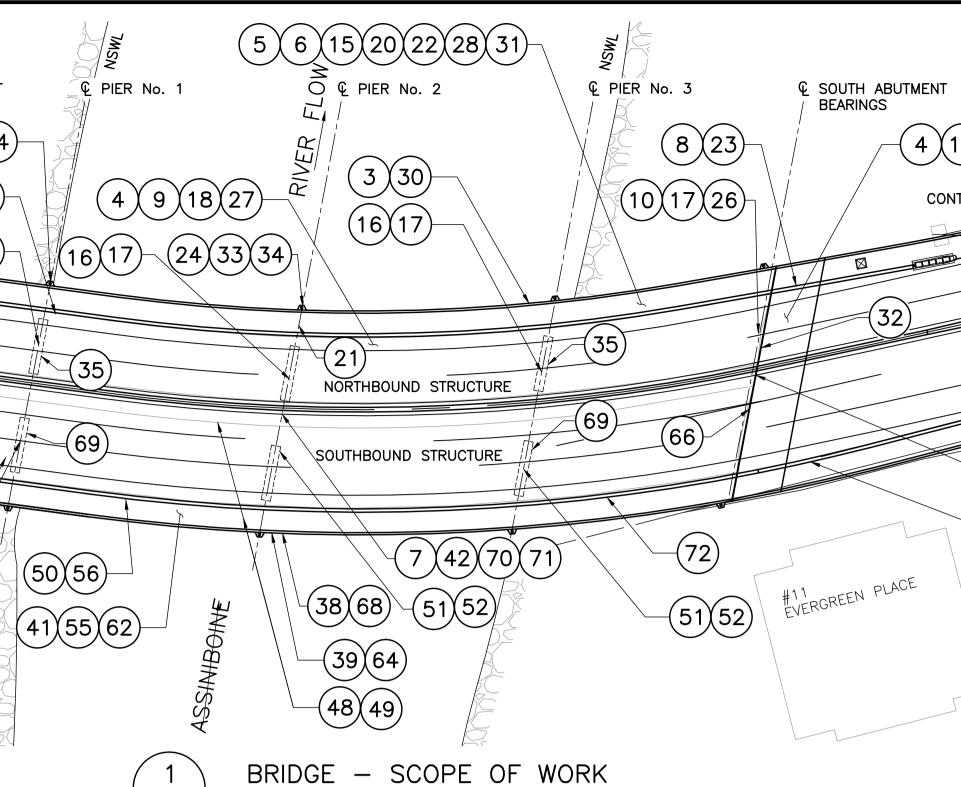
CONSTRUCT NEW REINFORCED CONCRETE APPROACH SLABS AND ROADWAY SLABS

APPLY ACTIVATED ARC ZINC SPRAY TO PRECAST CONCRETE GIRDERS AT ABUTMENT ENDS

REPAIR MISCELLANEOUS AREAS OF ABUTMENTS, GIRDERS AND DECK SOFFIT

SUPPLY AND INSTALL NEW ALUMINUM PEDESTRIAN HANDRAIL

AND DIAPHRAGMS



PHASE 1 NORTHBOUND STRUCTURE (2011) (CONTINUED)				
ITEM	SHEET No.			
33				
34)	_			
35)	SUPPLY AND INSTALL NEW UNDER BRIDGE LIGHTING AND FIXTURES	_		
36)	OPEN NORTHBOUND STRUCTURE TO TRAFFIC	-		

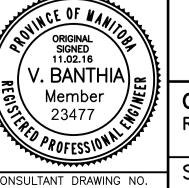
1 : 500

SCOF	PE OF WORK — PHASE 2 SOUTHBOUND STRUCTU	JRE (2012)					
ITEM	ITEM DESCRIPTION						
37	DETOUR TRAFFIC FROM SOUTHBOUND STRUCTURE	-					
38	DISCONNECT AND REMOVE EXISTING STREET LIGHTS (2 LOCATIONS) – COORDINATE WITH MANITOBA HYDRO. REMOVE EXISTING NAVIGATION LIGHTING AND INSTALL TEMPORARY NAVIGATION LIGHTING						
39	REMOVE EXISTING HANDRAIL	ı					
40	REMOVE EXISTING ASPHALT OVERLAY	-					
41)	SAWCUT AND REMOVE EXISTING CONCRETE DECK OVERHANGS TO LIMITS SHOWN	_					
42	REMOVE EXISTING CONCRETE MEDIAN	_					
43)	REMOVE EXISTING CONCRETE BARRIERS AND TOP PORTION OF WINGWALLS						
44)	REMOVE EXISTING CONCRETE DECK TO LIMITS SHOWN	_					
45)	REMOVE EXISTING EXPANSION JOINTS	-					
46)	REMOVE EXISTING NORTH ABUTMENT PRECAST CONCRETE CHANNEL GIRDERS, APPROACH SLAB AND APPROACH ROADWAY	ı					
<b>47</b> )	REMOVE EXISTING SOUTH ABUTMENT, APPROACH SLAB, ROADWAY SLAB AND CONCRETE SLAB TO LIMITS SHOWN	-					
48	REMOVE EXISTING DRAINS AND RESTORE CONCRETE DECK	-					
49)	REMOVE EXISTING CONCRETE DECK AND INSTALL NEW DRAINS	_					
50	REMOVE AND SALVAGE ABANDONED ELECTRICAL AND COMMUNICATION CABLES (BY MTS), DISPOSE CONDUITS						
(51)	EXPOSE, INSPECT, REPAIR, AND PROTECT EXISTING LONGITUDINAL POST TENSIONING TENDONS IN CONCRETE DECK						

	SCOPE OF WORK — PHASE 2 SOUTHBOUND STRUCTURE (2012) CONTINUED						
ITEM	ITEM DESCRIPTION						
52	REMOVE AND REPLACE BEARINGS ON PIERS AND ABUTMENTS FROM BO-957-2010	-					
53	CONSTRUCT NEW REINFORCED CONCRETE DECK SLAB TO LIMITS SHOWN	-					
54)	CONSTRUCT NEW REINFORCED CONCRETE SLAB AT NORTH ABUTMENT	-					
55)	CONSTRUCT NEW REINFORCED CONCRETE SIDEWALK SLAB, AND CURB ON BRIDGE						
56	RELOCATE MTS CONDUITS IN THE CONCRETE SIDEWALK SLAB - COORDINATE WITH MTS	_					
57	CONSTRUCT NEW REINFORCED CONCRETE SHOULDER BARRIERS ON BRIDGE & ABUTMENTS	-					
58	CONSTRUCT NEW REINFORCED CONCRETE BASES FOR STREET LIGHTS	_					
59	CONSTRUCT MODIFIED ABUTMENTS AND APPROACHES	-					
60	SUPPLY AND INSTALL NEW EXPANSION JOINTS	-					
61	CONSTRUCT NEW HIGH PERFORMANCE CONCRETE OVERLAY (HPC) TO LIMITS SHOWN	_					
62	62 CONSTRUCT NEW SIDEWALK WEARING SURFACE OVERLAY (WSC) TO LIMITS SHOWN  63 CONSTRUCT NEW REINFORCED CONCRETE APPROACH SLABS AND ROADWAY SLABS						
63							
64)	SUPPLY AND INSTALL NEW ALUMINUM PEDESTRIAN HANDRAIL	-					
65	REPAIR MISCELLANEOUS AREAS OF ABUTMENTS, GIRDERS AND DECK SOFFIT	-					
66	APPLY ACTIVATED ARC ZINC SPRAY TO PRECAST CONCRETE GIRDERS AT ABUTMENT ENDS AND DIAPHRAGMS	_					
67	67 INSTALL NEW STREET LIGHTS - COORDINATE WITH MANITOBA HYDRO  68 SUPPLY AND INSTALL NEW NAVIGATION LIGHTING (4 LOCATIONS)						
68							
69	SUPPLY AND INSTALL NEW UNDER BRIDGE LIGHTING FIXTURES  CONSTRUCT MODIFIED PIER CAPS TO JOIN TOGETHER CONCRETE DECK SLAB AND PIER CAPS AND INTERMEDIATE DIAPHRAGMS  CONSTRUCT NEW REINFORCED CONCRETE MEDIAN BARRIERS ON BRIDGE AND ABUTMENTS						
70							
71							
72)	install slope paving protection beneath northbound and southbound bridges						
73	OPEN SOUTHBOUND STRUCTURE TO TRAFFIC	-					

	<b>APEGIN</b>
Certif	<b>icate of Authorization</b>
Werdr	op Engineering inc.
No. 195	<b>Dete: April 30, 2011</b>

B.M. ELEV.	F.B.		<b>444 404</b>		SCE OF WAY
			<del> </del>	DROP TECH COMPANY	ORIGINAL SIGNED 11.02.16
			DESIGNED S.Y.	CHECKED V.B.	V. BANTHIA Member 23477
			BY B.M.	APPROVED R.H.W.	PROFESSION I
			HOR. SCALE: AS NOTED	RELEASED FOR DATE CONSTRUCTION	CONSULTANT DRAWING NO.
00 ISSUED FOR TENDER	11.02.18 V	/B	VERTICAL:	ORIGINAL SIGNED 11.02.16	0900070502-DWG-S0009
NO. REVISIONS	DATE {	BY	DATE 10.02.16	MATT CHISLETT, P.ENG BRIDGE PROJECTS ENGINEER	0900070302-DWG-30009



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

OSBORNE STREET BRIDGE REHABILITATION & RELATED WORKS	CITY DRAWING NUMBER B109-11-014	
REHABILITATION & RELATED WORKS	9 OF 131	
SCOPE OF WORK	6	