



- LEGEND:**
- ① INDICATES CENTER LINE OF GIRDER
  - 8 INDICATES CONCRETE REPAIR TYPE LOCATIONS
  - 12 INDICATES GIRDER END METALLIZING TYPE LOCATIONS

- NOTES:**
1. REFER TO SHEETS 9 AND 10 FOR GIRDER CONCRETE REPAIRS AND GIRDER END METALLIZING DETAILS
  2. ALL CONCRETE REPAIR MATERIAL TO CONFORM TO EXPOSURE CLASS C-1, COMPRESSIVE STRENGTH 35 MPA, AIR CONTENT CATEGORY 1
  3. ALL CONCRETE GIRDER END REPAIRS WILL BE MEASURED ON A UNIFIED AREA BASIS REGARDLESS OF REPAIR TYPE OR LOCATION
  4. CONCRETE REPAIR AREAS PROVIDED IN THE TABLES ARE ESTIMATES FROM PRECONSTRUCTION INSPECTIONS FOR INFORMATION ONLY AND WILL NOT BE USED AS A BASIS FOR MEASUREMENT AND PAYMENT

- SCOPE OF WORK:**
- 8 TYPE 8: GIRDER END REPAIRS – EXTERIOR FACE OF EXTERIOR GIRDERS (24 LOCATIONS)
  - 9 TYPE 9: GIRDER END REPAIRS – BOTTOM FLANGE AT GIRDER ENDS (12 LOCATIONS)
  - 10 TYPE 10: GIRDER END REPAIRS – BOTTOM FLANGE NOT AT GIRDER ENDS (2 LOCATIONS)
  - 11 TYPE 11: GIRDER END REPAIRS – END FACE OF GIRDERS (23 LOCATIONS)
  - 12 TYPE 12: METALLIZING – EXTERIOR GIRDERS (24 LOCATIONS)

TABLE OF SOUTHBOUND CONCRETE REPAIR AREAS AT GIRDER ENDS

DIRECTION	LOCATION			CONCRETE REPAIR TYPES	APPROX. AREA (m <sup>2</sup> )
	PIER	SPAN	GIRDER LINE		
SB	S. ABUT.	1	1	8,9,11	0.50
			11	8,9,11	0.25
SB	1	1	1	8,9,11	0.11
			11	8,9,11	0.29
SB	1	2	1	8,9,11	0.02
			11	8,9,11	0.34
SB	2	2	1	8,9,11	0.42
			11	8,9,11	0.10
SB	2	3	1	8,9,11	0.30
			11	8	0.04
SB	N. ABUT.	3	1	8,11	0.23
			11	8,11	0.15

TOTAL AREA = 2.74

TABLE OF NORTHBOUND CONCRETE REPAIR AREAS AT GIRDER ENDS

DIRECTION	LOCATION			CONCRETE REPAIR TYPES	APPROX. AREA (m <sup>2</sup> )
	PIER	SPAN	GIRDER LINE		
NB	S. ABUT.	1	11	8,9,11	0.34
			1	8,11	0.96
NB	1	1	11	8,11	0.09
			1	8,11	0.03
NB	1	2	11	8,11	0.06
			1	8,9,11	0.61
NB	2	2	11	8,11	0.22
			1	8,9,11	0.12
NB	2	3	11	8,11	0.17
			1	8,11	0.72
NB	N. ABUT.	3	11	8,11	0.16
			1	8,9,11	1.20

TOTAL AREA = 4.67

TABLE OF MISCELLANEOUS CONCRETE REPAIR AREAS

DIRECTION	LOCATION				APPROX. AREA (m <sup>2</sup> )
	PIER	SPAN	GIRDER LINE	DESCRIPTION	
NB	N. ABUT	3	1	BACKWALL OF ABUTMENT	0.15
SB	N. ABUT	3	1	BACKWALL OF ABUTMENT	0.25
SB	N. ABUT	3	11	BACKWALL OF ABUTMENT	0.25
SB	S. ABUT	1	1	BACKWALL OF ABUTMENT	0.25
SB	N. ABUT	N/A	N/A	WEST FACE OF WINGWALL	0.15
SB	N/A	1	10,11	BOTTOM FLANGE (TYPE 10)	0.09
SB	N/A	1	11	BOTTOM FLANGE (TYPE 10)	0.05

TOTAL AREA = 1.19



B.M. ELEV.	DESIGNED BY GCL		ENGINEER'S SEAL
	DRAWN BY CDW		
	CHECKED BY		
	APPROVED BY		
	HOR. SCALE AS NOTED	RELEASED FOR CONSTRUCTION	CONSULTANT PROJECT NO. 103192
	VERTICAL AS NOTED	ORIGINAL SIGNED BY B.A. NEIRNCK	
0 ISSUED FOR TENDER 05/20/10 MRD		DATE MAY 20, 2010	
NO. REVISIONS	DATE	BY	DATE

**THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT**

2010 CAPITAL PROGRAM  
GIRDER REPAIRS AT ROUTE 20 REDDITT OVERPASS

REDDITT OVERPASS – GENERAL ARRANGEMENT AND SCOPE OF WORK

CITY DRAWING NUMBER B122-10-01  
SHEET 8 OF 10  
BID OPPORTUNITY 421-2010

4:00 DILLON ACAD FILE: C:\CAD\103192\Contract\Current\Bldg-Cop\8\_REDDITT\_GA.dwg 4/27/2010