COVER VARIES

DECK/CRACK SEALING

20M ECR — (EXISTING)

GUIDELINE FOR ANODE PLACEMENT MINIMUM NUMBER REPAIR AREA OF ANODES (mm) 300 X 300 350 X 350 400 X 400 > 400 X 400 AT MAX. 500 SPACING AROUND PERIMETER AT EACH BAR ALONG ALL SPOT REPAIR **EXISTING CRACK** LOCATIONS

15M ECR -

(EXISTING)

FINAL ANODE LAYOUT TO BE AS DIRECTED BY CONTRACT ADMINISTRATOR

NOTES:

1. ACTUAL REPAIR AREAS WILL BE MARKED OUT BY CONTRACT ADMINISTRATOR.

ECR - EPOXY COATED REINFORCING

20 DEEP SAWCUT REMOVE EXISTING CONCRETE & PLACE NEW 35 MPa CONCRETE TO DIMENSIONS SHOWN EXISTING REINFORCING

> TYPE 1 REPAIR SURFACE (25 - 49 mm DEEP)

SAW CUT PERIMETER OF REPAIR AREA REMOVE UNSOUND / **DELAMINATED CONCRETE** - ALL REINFORCING BARS EXPOSED REINFORCING WITH SURFACE CORROSION OR DAMAGED EPOXY COATING TO BE SAND BLASTED AND EPOXY GALVASHIELD XPT ANODE. INSTALL AS NOTED AND COATED (TYP.) AROUND PERIMETER OF LARGER REPAIR AREAS.

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PLAN VIEW TYPE 2 & 3 N.T.S. 20 DEEP SAWCUT EXISTING CRACK IN DECK EXISTING REINFORCING -REMOVE EXISTING CONCRETE & PLACE NEW 35 MPa CONCRETE TO DIMENSIONS SHOWN EXPOSE BOTTOM BAR WITH LIGHT CHIPPING —

- EACH BAR BELOW / ALONG

ANODE INSTALLED, TYP.

EXISTING CRACKS TO HAVE

TYPE 2 REPAIR PARTIAL DEPTH (50 - 74 mm DEEP TO MID-HEIGHT OF TOP BARS)

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TYPICAL CROSS SECTION

SCALE 1:25

TYPE 3 REPAIR **FULL DEPTH** (75 - 140 mm DEEP)

IN REPAIR TO BE ELECTRICALLY

AS PER MANUFACTURERS RECOMMENDATIONS. SINGLE ANODE LOCATED NEAR CENTER OF SMALL

REPAIR AREAS, MULTIPLE ANODES LOCATED

CONNECTED

20 DEEP

SAWCUT

TYPICAL DECK REPAIR DETAILS

SCALE N.T.S.

HAMMER ONLY IN LOCATIONS WHERE ANODE

TIED TOGETHER. DO NOT DAMAGE OR

SEPARATE BAR FROM CONCRETE

WIRES WILL BE TIED OR WHERE BARS WILL BE

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

- REMOVE EXISTING CONCRETE &

PLACE NEW 35 MPa CONCRETE

TO DIMENSIONS SHOWN

Certificate of Authorization AECOM Canada Ltd. No. 4671 Date: 2018 . 05.3

B.M. ELEV.					A -		
					AEC	UN	
				DESIGNED BY	DKD	CHECKED BY	EBL
				DRAWN BY	KAM	APPROVED BY	EBL
0	ISSUED FOR TENDER	18/05/28	EBL	HOR. SCALE: VERTICAL:	1:150	RELEASED FOR CONSTRUCTION B	WA
NO.	REVISIONS	DATE	BY	DATE 2	018/05/25	DATE My 31	2018

ENGINEER'S SEAL DAS Member 35493 2018:05: CONSULTANT DRAWING NO.

CS-02

EXISTING -

REINFORCING

e de la companya de l	THE CITY OF WI PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	
ana a	PEMBINA HIGHWAY AT BISHOP	CITY DRAWING NUMBER B215-18-03

PEMBINA HIGHWAY AT BISHOP		CITY DRAWING NUMBER B215-18-03			
GRANDIN OVERPASS 2018 BRIDGE DECK REPAIRS	SHEET	3	OF	3	
DECK REPAIR DETAILS					