

ADDENDUM #1

Issued March 10th, 2021

The Following changes are effective immediately and shall be incorporated into the Contract Documents.

1. PWT2021-04 IFT-Drawings, are to form part of the Tender Documents.

END OF ADDENDUM #1



CHAMPLAIN TOWNSHIP BRIDGE REPAIRS

TOWNSHIP OF CHAMPLAIN
VANKLEEK HILL, ONTARIO



VILLENEUVE BRIDGE LOCATION
N.T.S.



LITTLE RIDEAU BRIDGE LOCATION
N.T.S.



RITCHANCE BRIDGE LOCATION
N.T.S.

DRAWING LIST

- STRUCTURAL**
S1.1 VILLENEUVE BRIDGE REPAIRS
S1.2 LITTLE RIDEAU CREEK BRIDGE REPAIRS
S1.3 RITCHANCE BRIDGE REPAIRS



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ISSUED FOR TENDER

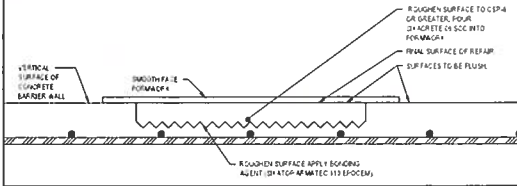
DATE: 2020/08/19

REPAIR A - SPALLED CONCRETE REPAIR - REBAR NOT EXPOSED

SEQUENCE OF REPAIR

1. SAW CUT AND MECHANICALLY REMOVE CONCRETE WITHIN AFFECTED AREA. DONOT DAMAGE EXISTING REINFORCEMENT (IF APPLICABLE)
2. ROUGHEN EXISTING CONCRETE SURFACE TO MINIMUM CSP4 SURFACE PROFILE.
3. NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE.
4. FOLLO (W/ APPROVAL, APPLY SHARP ANGLED 1:1:1 CHAMFER TO CONCRETE ON SATURATED SURFACE OR LEVEL AS BEARING AGENT
5. POUR SHAPED OR ACC TO FORMWORK CHAMFER ALL EXPOSED EDGES TO 20mm CURVE AS PER MANUFACTURER'S INSTRUCTIONS.

ROUGHEN SURFACE TO CSP4 OR GREATER
20mm CHAMFER ON SEE INTO FORMWORK
FRESH SURFACE OF REPAIR SURFACES TO BE FLUSH

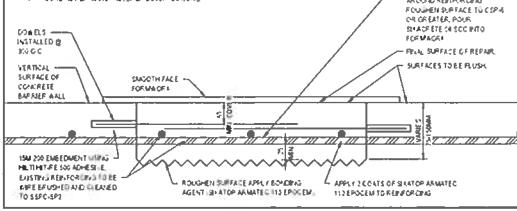


REPAIR B SPALLED CONCRETE REPAIR - REBAR EXPOSED

SEQUENCE OF REPAIR

1. SAW CUT AND MECHANICALLY REMOVE CONCRETE WITHIN AFFECTED AREA. DONOT DAMAGE EXISTING REINFORCEMENT (IF APPLICABLE)
2. ROUGHEN EXISTING CONCRETE SURFACE TO MINIMUM CSP4 SURFACE PROFILE.
3. EXISTING REINFORCING TO BE MECHANICALLY CLEANED TO CSP4.
4. NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE.
5. FOLLO (W/ APPROVAL, APPLY SHARP ANGLED 1:1:1 CHAMFER TO EXPOSED REBAR AND TO CONCRETE ON SATURATED SURFACE OR LEVEL AS BEARING AGENT
6. POUR SHAPED OR ACC TO FORMWORK CHAMFER ALL EXPOSED EDGES TO 20mm CURVE AS PER MANUFACTURER'S INSTRUCTIONS.

ROUGHEN SURFACE TO CSP4 OR GREATER
20mm CHAMFER ON SEE INTO FORMWORK
FRESH SURFACE OF REPAIR SURFACES TO BE FLUSH

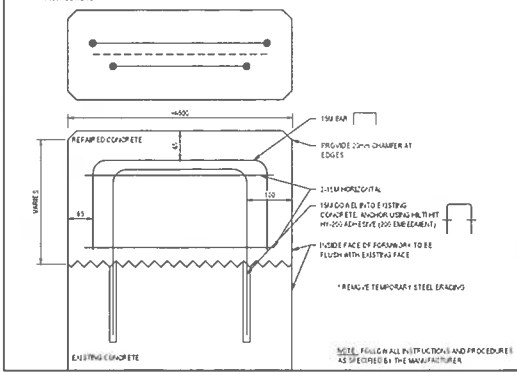


REPAIR D - FULL DEPTH REPLACEMENT

SEQUENCE OF REPAIR

1. SAW CUT AND REMOVE CONCRETE WITHIN AFFECTED AREA.
2. ROUGHEN SURFACE TO MINIMUM CSP4 SURFACE PROFILE.
3. PREPARE FORMS AND REINFORCEMENT AS SHOWN.
4. NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE.
5. FOLLO (W/ APPROVAL, APPLY SHARP ANGLED 1:1:1 CHAMFER TO CONCRETE ON SATURATED SURFACE OR LEVEL AS BEARING AGENT
6. POUR SHAPED OR ACC TO FORMWORK CHAMFER ALL EXPOSED EDGES TO 20mm CURVE AS PER MANUFACTURER'S INSTRUCTIONS.

ROUGHEN SURFACE TO CSP4 OR GREATER
20mm CHAMFER ON SEE INTO FORMWORK
FRESH SURFACE OF REPAIR SURFACES TO BE FLUSH



REPAIR C - CRACKED CONCRETE REPAIR

SEQUENCE OF REPAIR

1. POUR CRACK FILLING MECHANICAL METHOD (MIN 12mm x 12mm)
2. REMOVE ALL CURT GRESAE OILS AND OTHER FOR EACH OBJECTS BY CLEAN PRESSURE WATER CLEANING
3. CONCRETE PATCH LOGICALLY WITH CONSISTENT ON SITE (LEAST) IN FORDING PURPOSES (AS PER REPAIR SCHEDULE)
4. APPLY SHARP ANGLED 1:1:1 CHAMFER TO CONCRETE ON SATURATED SURFACE OR LEVEL AS BEARING AGENT

NOTE: FOLLO (W/ ALL INSTRUCTIONS AND PROCEDURES AS SPECIFIED BY THE MANUFACTURER

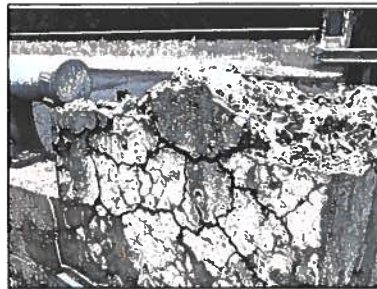


PHOTO 1A SCALE NTS

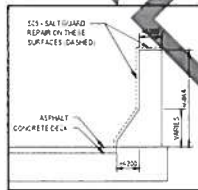
REPAIR E - SALT GUARD APPLICATION

SEQUENCE OF REPAIR

1. ALLOW A MINIMUM OF 7 DAYS CURE TIME FOR REPAIRED SURFACES PRIOR TO SALT GUARD APPLICATION
2. SURFACES MUST BE CLEAN, DRY AND FREE OF LANTAGE RESIDUES AND OTHER CONTAMINANTS
3. APPLY SHARP ANGLED 1:1:1 CHAMFER TO EXPOSED EDGES AND TOP OF CONCRETE (IF REPAIR WALLS) WITH 1:1:1 CHAMFER TO CONCRETE ON SATURATED SURFACE OR LEVEL AS BEARING AGENT
4. APPLY SALT GUARD MATERIAL TO SURFACES AS PER MANUFACTURER'S INSTRUCTIONS

REPAIR SCHEDULE

NO.	DESCRIPTION	DAYS	REPAIR METHOD
011	SPALLED CONCRETE REPAIR	14	A
012	CONCRETE CRACK REPAIR	14	B
013	SPALLED CONCRETE WITH REBAR EXPOSED REPAIR	14	C
014	FULL DEPTH CONCRETE REPAIR	21	D
015	SALT GUARD APPLICATION	48	E



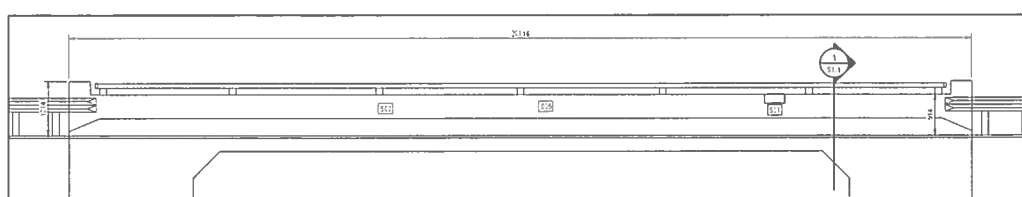
SECTION 1

SCALE 1:20



SOUTH BARRIER ELEVATION

SCALE 1:20



NORTH BARRIER ELEVATION

SCALE 1:20

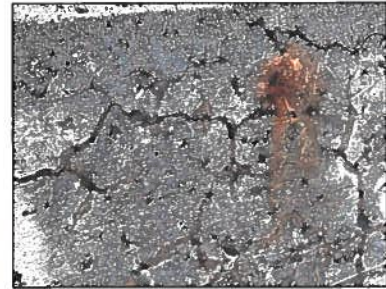


PHOTO 1B SCALE NTS



PHOTO 1C SCALE NTS

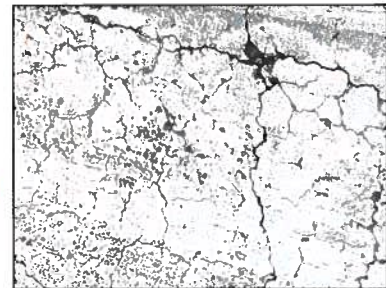


PHOTO 1D SCALE NTS

CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANTS AND S&A CANADA REPRESENTATIVE TO REVIEW SURFACE REPAIRATION AND INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS

GENERAL NOTES

1. SITE SHOT ALL DIMENSIONS, ELEVATIONS AND CONDITIONS. REPORT DISCREPANCIES TO CONTRACTOR DESIGN ROOM IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE. ALL LABOR AND MATERIALS BY CONTRACTOR WITH THE LATEST EDITION OF THE CANNADIAN MANUAL AND SHEETS ACT AND CIVIL ENGINEERING CODE.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE THE CONSTRUCTION METHODS. ALL NOT IN THIS CHANGE TO SPECIFICATIONS AND ALL STRUCTURES OF UTILITIES. REFER TO REQUEST FOR QUANTITIES DOCUMENT FOR ALL SPECIAL REQUIREMENTS.

CONCRETE REPAIRS

1. ALL CRACK REPAIRS AND SPALL REPAIRS SHALL BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE.
2. ALL CRACK REPAIRS WITH SHARP ANGLED 1:1:1 CHAMFER AS PER CODE.
3. REPAIRS TO BE SHARP ANGLED 1:1:1 CHAMFER AS PER CODE.
4. SALT GUARD TO BE APPLIED AS PER CODE.
5. CURING CONCRETE SHALL BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE.

REINFORCING STEEL

1. ALL REBAR AND STEEL SHALL BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE.
2. REBAR AND STEEL SHALL BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE.
3. MINIMUM REBAR COVER SHALL BE 40mm.

CONCRETE FORMWORK

1. ALL FORMWORK SHALL BE DESIGNED, ERRECTED, SUPPORTED, BRACED AND MANAGED TO REMAIN STRAIGHT AND TRUE WITHIN TOLERANCES AND PERMITTED DEFLECTIONS WITHIN PERMITTED LIMITS.
2. PLYWOOD FORMWORK TO BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE. ALL FORMWORK SHALL BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE. ALL FORMWORK SHALL BE IN ACCORDANCE WITH CAN 15811 CANADIAN HIGHWAY BRIDGE DESIGN CODE.

TRAFFIC CONTROL

1. CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANTS AND S&A CANADA REPRESENTATIVE TO REVIEW SURFACE REPAIRATION AND INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS.
2. CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANTS AND S&A CANADA REPRESENTATIVE TO REVIEW SURFACE REPAIRATION AND INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS.
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4. CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANTS AND S&A CANADA REPRESENTATIVE TO REVIEW SURFACE REPAIRATION AND INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS.

NO.	DESCRIPTION	DAYS	REPAIR METHOD
011	SPALLED CONCRETE REPAIR	14	A
012	CONCRETE CRACK REPAIR	14	B
013	SPALLED CONCRETE WITH REBAR EXPOSED REPAIR	14	C
014	FULL DEPTH CONCRETE REPAIR	21	D
015	SALT GUARD APPLICATION	48	E

EVBC
 CANCEN DE CHAMPLAIN TOWNSHIP
 CHAMPLAIN TOWNSHIP BRIDGE REPAIRS - VILLENEUVE BRIDGE
 ELEVATIONS, SECTION, DETAILS AND NOTES

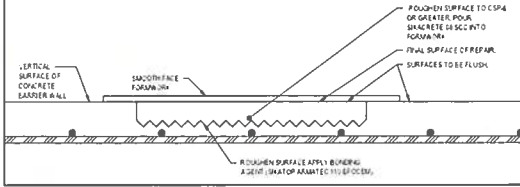
AS SHOWN	2550
E.M.	2550
DATE	2023-08-17
BY	
DR	

S1.1

REPAIR A - SPALLED CONCRETE REPAIR - REBAR NOT EXPOSED

SEQUENCE OF REPAIR

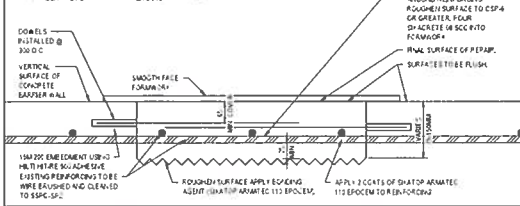
- SAW CUT AND MECHANICALLY REMOVE CONCRETE WITHIN AFFECTED AREA. DO NOT DAMAGE EXISTING REINFORCEMENT (IF APPLICABLE).
- ROUGHEN EXISTING CONCRETE SURFACE TO A MINIMUM CSP# SURFACE PROFILE.
- NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE.
- FOLLOWING APPROVAL, APPLY SHIP LAP WASTE 115 EPICEM TO CONCRETE IN SATURATED SURFACE OF 150MM WIDENING ADJUT.
- POUR SH CONCRETE IN SCCR TO FORMWORK. CHAMFER ALL EXPOSED EDGES TO 20MM CHAMFER AS PER MANUFACTURER'S INSTRUCTIONS.
- ASSUME 75mm AVERAGE REPAIR DEPTH FOR BIDDING PURPOSES



REPAIR B SPALLED CONCRETE REPAIR - REBAR EXPOSED

SEQUENCE OF REPAIR

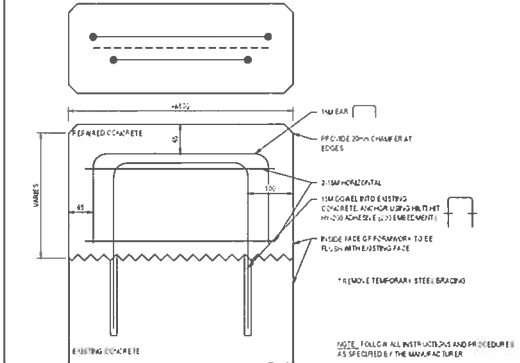
- SAW CUT AND MECHANICALLY REMOVE CONCRETE WITHIN AFFECTED AREA. DO NOT DAMAGE EXISTING REINFORCEMENT (IF APPLICABLE).
- ROUGHEN EXISTING CONCRETE SURFACE TO A MINIMUM CSP# SURFACE PROFILE.
- EXISTING REINFORCEMENT TO BE MECHANICALLY CLEANED TO SPS-C#1.
- NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE.
- FOLLOWING APPROVAL, APPLY SHIP LAP WASTE 115 EPICEM TO CONCRETE IN SATURATED SURFACE OF 150MM WIDENING ADJUT.
- POUR SH CONCRETE IN SCCR TO FORMWORK. CHAMFER ALL EXPOSED EDGES TO 20MM CHAMFER AS PER MANUFACTURER'S INSTRUCTIONS.
- ASSUME 125mm AVERAGE REPAIR DEPTH FOR BIDDING PURPOSES



REPAIR D - FULL DEPTH REPLACEMENT

SEQUENCE OF REPAIR

- SAW CUT AND REMOVE CONCRETE WITHIN AFFECTED AREA.
- ROUGHEN SURFACE TO MINIMUM CSP# SURFACE PROFILE.
- PREPARE DOWELS AND REINFORCEMENT AS SHOWN.
- NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE.
- FOLLOWING APPROVAL, APPLY SHIP LAP WASTE 115 EPICEM TO CONCRETE IN SATURATED SURFACE OF 150MM WIDENING ADJUT.
- POUR SH CONCRETE IN SCCR TO FORMWORK. CHAMFER ALL EXPOSED EDGES TO 20MM CHAMFER AS PER MANUFACTURER'S INSTRUCTIONS.



REPAIR C - CRACKED CONCRETE REPAIR

SEQUENCE OF REPAIR

- ROUT CRACK USING MECHANICAL METHOD MAX. 10mm x 10mm.
- REMOVE ALL DUST, GREASE, OILS AND OTHER FOREIGN OBJECTS BY LOW PRESSURE WATER CLEANING.
- COORDINATE EXACT LOCATIONS WITH CONSULTANT ON SITE (LENGTH FOR BIDDING PURPOSES INDICATED ON REPAIR SCHEDULE).
- APPLY SHIP LAP WASTE 115 EPICEM AS WIDENING ADJUT.
- ENSURE SURFACE IS DRY. THE RATIO USING SHIP LAP 115 PLUS OR MINUS VARIATION IS AS REQUIRED.
- NOTE: FOLLOW ALL INSTRUCTIONS AND PROCEDURES AS SPECIFIED BY THE MANUFACTURER

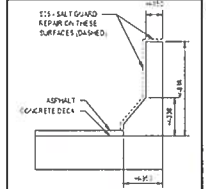
REPAIR E - SALT GUARD APPLICATION

SEQUENCE OF REPAIR

- ALLOW A MINIMUM OF 7 DAYS CURE TIME FOR REPAIRED SURFACES PRIOR TO SALT GUARD APPLICATION.
- SURFACES MUST BE CLEAN, DRY, AND FREE OF LANTANE RESIDUES AND OTHER CONTAMINANTS.
- APPLY SALT GUARD IN EQUALITY TO FACE, SIDE FACE EDGES AND TOP OF CONCRETE IN BARRIER WALLS. STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COLOUR SELECTION AS SPECIFIED BY CANADA.

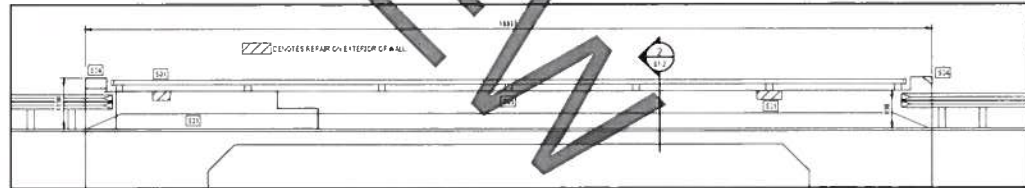
REPAIR SCHEDULE

MARK	DESCRIPTION	REPAIR	TYPE	DATE
S11	SPALLED CONCRETE REPAIR	150mm	AS	
S12	CONCRETE CRACK REPAIR	150mm	AS	
S13	SPALLED CONCRETE WITH REINFORCEMENT REPAIR	150mm	AS	
S14	FILL IN CONCRETE REPAIR	150mm	AS	
S15	SALT GUARD APPLICATION	150mm	E	

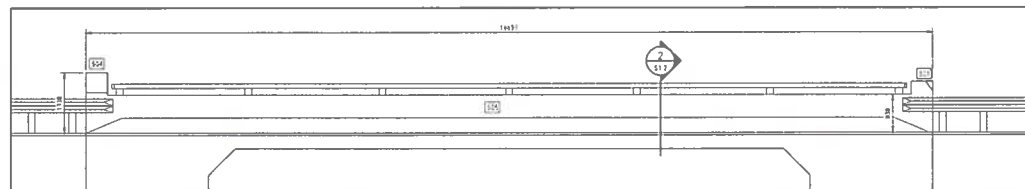


SECTION 2

SCALE 1:10



SOUTH BARRIER ELEVATION
SCALE 1:10



NORTH BARRIER ELEVATION
SCALE 1:10



PHOTO 2A
SCALE 1:10



PHOTO 2B
SCALE 1:10



PHOTO 2C
SCALE 1:10

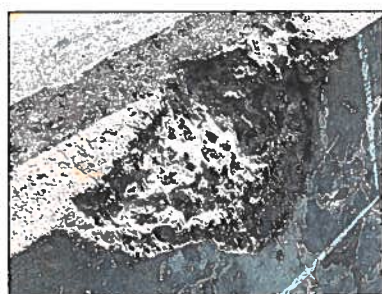


PHOTO 2D
SCALE 1:10

CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANT AND A CANADA REPRESENTATIVE TO REVIEW SURFACE PREPARATION, INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS

GENERAL NOTES

- NOTE REPAIR ALL ELEVATIONS, ELEVATIONS AND FOOTINGS. REPAIR GROUP ELEVATIONS TO CONSULTANT.
- REPAIR SHALL BE ACCORDANCE WITH CSA S408 CONCRETE REPAIR AND SPECIFICATIONS FOR ALL REPAIR AND MATERIALS BY ACCORDANCE WITH THE LATEST EDITION OF THE CANADIAN STANDARD FOR CONCRETE AND CONCRETE MIXTURES (ASTM C150).
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO DEVELOP THE CONSTRUCTION METHODS WILL NOT CAUSE DAMAGE TO SURROUNDING EXISTING STRUCTURES OR UTILITIES. REFER TO REQUEST FOR QUOTATION DOCUMENT FOR ADDITIONAL REQUIREMENTS.

CONCRETE REPAIRS

- ALL EXTERIOR FACE CONCRETE REPAIRS SHALL BE SHIP LAP TO SCCR.
- ALL CONCRETE CRACK REPAIRS WITH SHIP LAP TOP OR 150mm OR MORE AS SPECIFIED.
- EPICEM ADJUT TO BE SHIP LAP WASTE 115 EPICEM.
- SALT GUARD TO BE SHIP LAP WASTE 115 ELASTIC.
- CURE CONCRETE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- COMPLETE EDD AND NOT WITHIN REPAIR BOUNDARIES. COORDINANCE WITH PREVIOUS REPAIRS.

REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CANADA S408.12, LATEST EDITION.
- REINFORCING STEEL GRADE: 60MNP.
- MINIMUM REINFORCING CLEAR COVER: 15mm.

CONCRETE FORMWORK

- ALL FORMWORK SHALL BE TO BE SHIP LAP DETECTED SUPPORTED, BRACED AND MAINTAINED AND ORGANIZED WITH CHAIRS. IT SHALL BE 150mm AND 100mm OR MORE.
- PLYWOOD FORMWORK SHALL BE FACTORY PRE-COATED DOUGLAS FIR PLYWOOD, 19mm THICK, BALE MATERIAL WITH PLYWOOD GRADE PROTECTIVE COATING TO BE IN CONTACT WITH CONCRETE.

TRAFFIC CONTROL

- TRAFFIC RECONSTRUCTION FOR AUTOMATED TRAFFIC CONTROL SYSTEMS.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN TO FOLLOW THE CANADIAN TRAFFIC CONTROL PLAN - TYPICAL LAYOUTS. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN THAT DETAILS THE CONTROL LAYOUT PROVIDED FOR THE CONSTRUCTION OF THE WORK. THE TRAFFIC CONTROL PLAN MUST ALLOW FOR TRUCK-WAY VEHICULAR TRAFFIC AT ALL TIMES USING AT LEAST ONE 100MM HIGH AND ONE EMERGENCY VEHICULAR ACCESS AT ALL TIMES.
- THE TRAFFIC CONTROL PLAN MUST INCLUDE:
 - #1 CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND REPAIR TO THE TRAFFIC CONTROL LAYOUT.
 - #2 REFER TO THE TRAFFIC CONTROL PLAN FOR TYPICAL LAYOUTS.
 - #3 TRAFFIC CONTROL SIGNS AS PER DOT BOOK 7.
 - #4 NIGHT TIME REQUIREMENTS.
- CONTRACTOR SHALL ENSURE THAT WORK IS IN PLACE AND NO TRAFFIC HAZARDS EXIST BEFORE DAY'S END.

NO.	REVISION	DATE
1		
2		
3		
4		



CANTON DE CHAMPLAIN
TOWNSHIP

CHAMPLAIN TOWNSHIP BRIDGE
REPAIRS -
LITTLE RIDEAU BRIDGE

ELEVATIONS, SECTION,
DETAILS AND NOTES

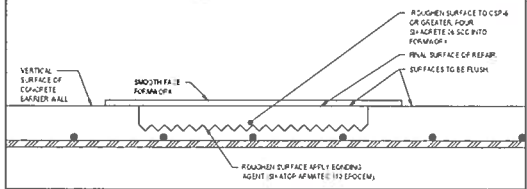
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2024-11-15	2024-11
2024-12-01	2024-12
2024-12-15	2024-12

REPAIR A - SPALLED CONCRETE REPAIR - REBAR NOT EXPOSED

SEQUENCE OF REPAIR

1. SAW CUT AND REMOVE CONCRETE WITH AFFECTED AREA, DO NOT DAMAGE EXISTING REINFORCEMENT OR CONCRETE
2. ROUND-UP EXISTING CONCRETE SURFACE TO MINIMUM CSP4 SURFACE PROFILE
3. NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE
4. FOLLOWING APPROVAL, APPLY SHATOP AMARTEC 112 EPOXY TO CONCRETE ON SATURATED SURFACE DRY (SSD) AS REQUIRED AGENT
5. POUR SHACRETE 25 SCC INTO FORMWORK, CHAMFER ALL EXPOSED EDGES TO 20mm
6. CURE AS PER MANUFACTURER'S INSTRUCTIONS

- ASSUME 75mm A-SHAPE REPAIR DEPTH FOR REPAIR PURPOSES

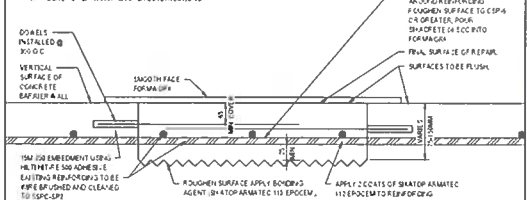


REPAIR B SPALLED CONCRETE REPAIR - REBAR EXPOSED

SEQUENCE OF REPAIR

1. SAW CUT AND REMOVE ALL SPALL CONCRETE WITH AFFECTED AREA, DO NOT DAMAGE EXISTING REINFORCEMENT OR CONCRETE
2. ROUND-UP EXISTING CONCRETE SURFACE TO MINIMUM CSP4 SURFACE PROFILE
3. EXISTING REINFORCEMENT TO BE MECHANICALLY CLEANED TO SPEC
4. NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE
5. FOLLOWING APPROVAL, APPLY SHATOP AMARTEC 112 EPOXY TO EXPOSED REBAR AND TO CONCRETE ON SATURATED SURFACE DRY (SSD) AS REQUIRED AGENT
6. POUR SHACRETE 25 SCC INTO FORMWORK, CHAMFER ALL EXPOSED EDGES TO 20mm
7. CURE AS PER MANUFACTURER'S INSTRUCTIONS

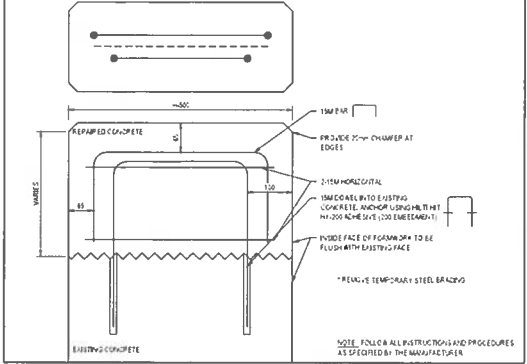
- ASSUME 75mm A-SHAPE REPAIR DEPTH FOR REPAIR PURPOSES



REPAIR D - FULL DEPTH REPLACEMENT

SEQUENCE OF REPAIR

1. SAW CUT AND REMOVE CONCRETE WITH AFFECTED AREA
2. ROUND-UP SURFACE TO MINIMUM SP-10 SURFACE PROFILE
3. PREPARE FORMS AND REINFORCEMENT AS SHOWN
4. NOTIFY ENGINEER FOR REVIEW AND APPROVAL PRIOR TO POURING OF CONCRETE
5. FOLLOWING APPROVAL, APPLY SHATOP AMARTEC 112 EPOXY TO CONCRETE ON SATURATED SURFACE DRY (SSD) AS REQUIRED AGENT
6. POUR SHACRETE 25 SCC INTO FORMWORK, CHAMFER ALL EXPOSED EDGES TO 20mm
7. CURE AS PER MANUFACTURER'S INSTRUCTIONS



REPAIR C - CRACKED CONCRETE REPAIR

SEQUENCE OF REPAIR

1. FILL CRACK USING MECHANICAL METHOD (AN, URM, V, DOW) WITH EPOXY
2. FILL CRACK WITH GROUT OR SAND/CEMENT FOR CRACKS LESS THAN 1mm
3. COORDINATE EXACT LOCATION WITH CONSULTANT ON SITE
4. APPLY SHATOP AMARTEC 112 EPOXY AS REQUIRED AGENT
5. FINISH SURFACES TO SPEC
6. CURE AS PER MANUFACTURER'S INSTRUCTIONS

NOTE: FOLLOW ALL INSTRUCTIONS AND PROCEDURES AS SPECIFIED BY THE MANUFACTURER

REPAIR E - SALT GUARD APPLICATION

SEQUENCE OF REPAIR

1. ALLOW A MINIMUM OF 7 DAYS CURE TIME FOR REPAIRED SURFACES PRIOR TO SALT GUARD APPLICATION
2. SURFACES MUST BE CLEAN AND FREE OF LANTHANE RESIDUES AND OTHER CONTAMINANTS
3. APPLY SALT GUARD TO ALL EXPOSED SURFACES TO TOP AND TOP OF CURB AND TO SIDEWAYS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
4. COLOUR SHOULD TO BE DETERMINED BY OWNER

PHOTO 3E SCALE 1:15

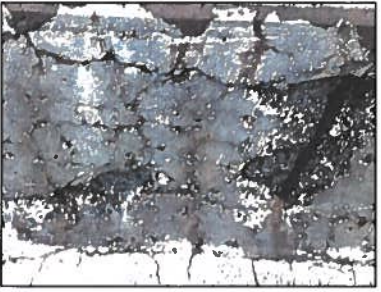


PHOTO 3A SCALE 1:15



PHOTO 3B SCALE 1:15

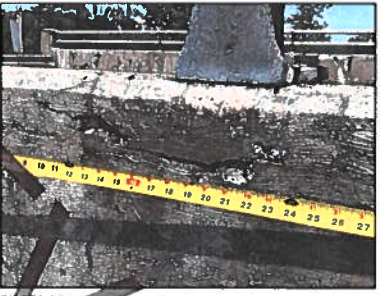


PHOTO 3C SCALE 1:15

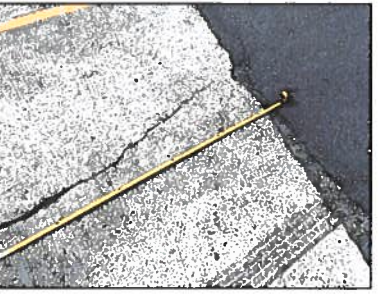
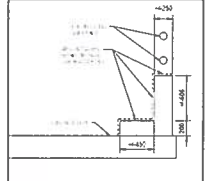


PHOTO 3D SCALE 1:15

REPAIR SCHEDULE

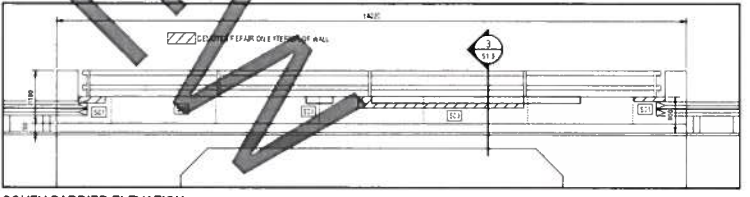
NO.	DESCRIPTION	QTY/FT	REPAIR	PHOTO
SC1	SPALLED CONCRETE REPAIR	4.15	AB	
SC2	CONCRETE CRACK REPAIR	12.4	C	3C, 3D
SC3	SPALLED CONCRETE WITH REINFORCEMENT REPAIR	12.2	B	3A, 3B
SC4	FULL DEPTH CONCRETE REPAIR	1.70	D	
SC5	SALT GUARD APPLICATION	32.0	E	

- 25mm OF CRACK REPAIR TO DEC SURFACE INCLUDED (PHOTO 3D)
- 30mm OF CRACK REPAIR TO SOFFIT INCLUDED (PHOTO 3E)
- 25mm REPAIR TO INTERIOR OF EACH BARRIER WALL

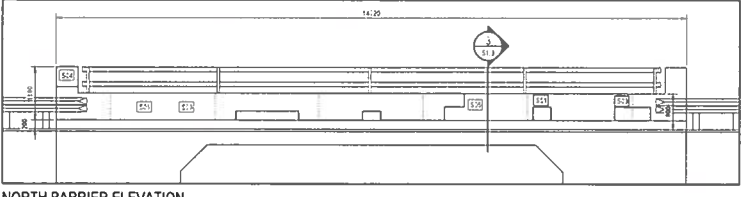


SECTION 3 SCALE 1:15

CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANT AND SICA CANADA REPRESENTATIVE TO REVIEW SURFACE PREPARATION, INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS



SOUTH BARRIER ELEVATION SCALE 1:30



NORTH BARRIER ELEVATION SCALE 1:30

GENERAL NOTES

1. SITE VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS. REPORT DISCREPANCIES TO CONSULTANT DESIGNER WITHIN 48 HOURS OF NOTIFICATION.
2. DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONSTRUCTION. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE CONSTRUCTION.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE THE CONSTRUCTION METHOD'S WILL NOT CAUSE DAMAGE TO EXISTING STRUCTURES OR UTILITIES.
4. REFER TO QUALITY CONTROL DOCUMENT FOR ADDITIONAL REQUIREMENTS.

CONCRETE REPAIRS

1. ALL CAST-IN-PLACE CONCRETE REPAIRS SHALL BE SHACRETE 25 SCC
2. ALL CONCRETE REPAIRS SHALL BE SHACRETE 25 SCC
3. BONDING AGENT TO BE SHATOP AMARTEC 112 EPOXY
4. SALT GUARD TO BE SHACRETE 25 SCC
5. CURE CONCRETE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
6. COMPLETE COLOR MATCH WITH REPAIRS BY CONFORMANCE WITH PROGNOSTIC PERFORMANCE

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CANADA CODE 113, CURRENT EDITION.
2. REINFORCING STEEL OF ALL SIZES SHALL BE MECHANICALLY CLEANED TO SPEC
3. ALL FORMWORK SHALL BE EPOXY BONDING

CONCRETE FORMWORK

1. ALL FORMWORK SHALL BE EPOXY BONDING
2. ALL FORMWORK SHALL BE EPOXY BONDING
3. ALL FORMWORK SHALL BE EPOXY BONDING
4. ALL FORMWORK SHALL BE EPOXY BONDING

TRAFFIC CONTROL

1. CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANT AND SICA CANADA REPRESENTATIVE TO REVIEW SURFACE PREPARATION, INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS
2. CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANT AND SICA CANADA REPRESENTATIVE TO REVIEW SURFACE PREPARATION, INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS
3. CONTRACTOR SHALL SCHEDULE AN ON-SITE MEETING WITH OWNER CONSULTANT AND SICA CANADA REPRESENTATIVE TO REVIEW SURFACE PREPARATION, INSTALLATION AND CURING PROCEDURES OF ALL PRODUCTS
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SC5	SALT GUARD APPLICATION	32.0	E	



CANTON DE CHAMPLAIN TOWNSHIP

CHAMPLAIN TOWNSHIP BRIDGE REPAIRS - RITCHANCE BRIDGE

ELEVATIONS, SECTION, DETAILS AND NOTES

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	2021-06-17
2	ISSUED FOR PERMIT	2021-06-17
3	ISSUED FOR PERMIT	2021-06-17
4	ISSUED FOR PERMIT	2021-06-17
5	ISSUED FOR PERMIT	2021-06-17