



## SUGGESTED SEQUENCE OF CONSTRUCTION & MAINTENANCE OF TRAFFIC

### STAGE I

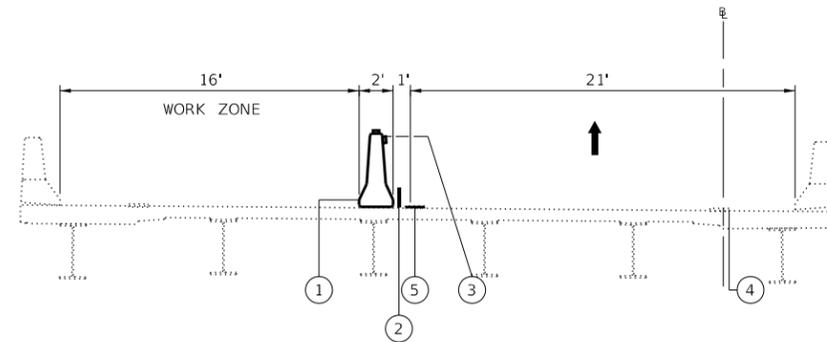
1. INSTALL STAGE I TRAFFIC CONTROL ALONG I-290 EB RAMP A USING STANDARD 701401. INSTALL TEMPORARY CONCRETE BARRIER USING STANDARD 701426. MERGE I-290 EB RAMP A TRAFFIC TO THE LEFT LANE.
2. PERFORM BRIDGE REPAIRS ON NE WINGWALL, PARAPET, ABUTMENT JOINT, AND APPROACH SHOULDER.

### STAGE II

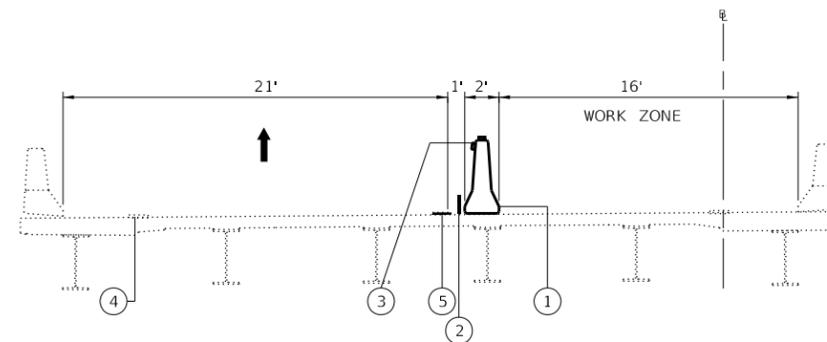
1. RELOCATE STAGE II TRAFFIC CONTROL ON I-290 EB RAMP A AND REMOVE STAGE I TRAFFIC CONTROL DEVICES. RELOCATE TEMPORARY CONCRETE BARRIER. MERGE I-290 EB RAMP A TRAFFIC TO THE LEFT LANE.
2. PERFORM BRIDGE REPAIRS ON NW WINGWALL.
3. REMOVE STAGE II TEMPORARY CONCRETE BARRIER.
4. REMOVE STAGE II TRAFFIC CONTROL DEVICES.

## MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR MAINTENANCE OF TRAFFIC.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING THE WORK.
5. IN ADVANCE OF CONSTRUCTION, ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE PLACED AT I-290 EB RAMP A NORTH END OF THE PROJECT, AND AS DIRECTED AT A LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CONSTRUCTION ON I-290 EB RAMP A. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER.
6. DRUMS OR TYPE II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHT SHALL BE PROVIDED AS SHOWN IN THE PLANS.
7. ALL "ROAD CONSTRUCTION AHEAD" AND " SPEED LIMIT AHEAD" SIGNS, AND TYPE III BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
8. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE MAINTENANCE OF TRAFFIC SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
10. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
11. THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
12. WHEN THEY ARE NO LONGER NECESSARY, ALL TRAFFIC CONTROL DEVICES SHALL IMMEDIATELY BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" X 6" DELINEATOR INSTALLED. THE COST OF THE DELINEATOR IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
13. TEMPORARY CONCRETE BARRIERS AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS SHOWN IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. TEMPORARY CONCRETE BARRIERS MAY NOT BE PINNED TO THE BRIDGE DECK OR APPROACH PAVEMENT.
14. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED OR OTHERWISE AFFECTED BY CONSTRUCTION.
15. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION. SEE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.



**I-290 EB RAMP A  
STAGE I MOT BRIDGE TYPICAL SECTION**



**I-290 EB RAMP A  
STAGE II MOT BRIDGE TYPICAL SECTION**

### MOT LEGEND:

- ① TEMPORARY CONCRETE BARRIER WALL
- ② TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT
- ③ BARRIER WALL REFLECTORS, TYPE C (SEE STD. 782006)
- ④ EXISTING PAVEMENT MARKING
- ⑤ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE

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184-001397

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
184-001397

USER NAME = jjoang	DESIGNED - JKP	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - DMW	REVISED -
PLOT DATE = 6/15/2022	CHECKED - SPF	REVISED -
	DATE - 5/9/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-290 EB RAMP A TO US 20 OVER IL 64 (NORTH AVENUE)  
MAINTENANCE OF TRAFFIC TYPICAL AND GENERAL NOTES**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

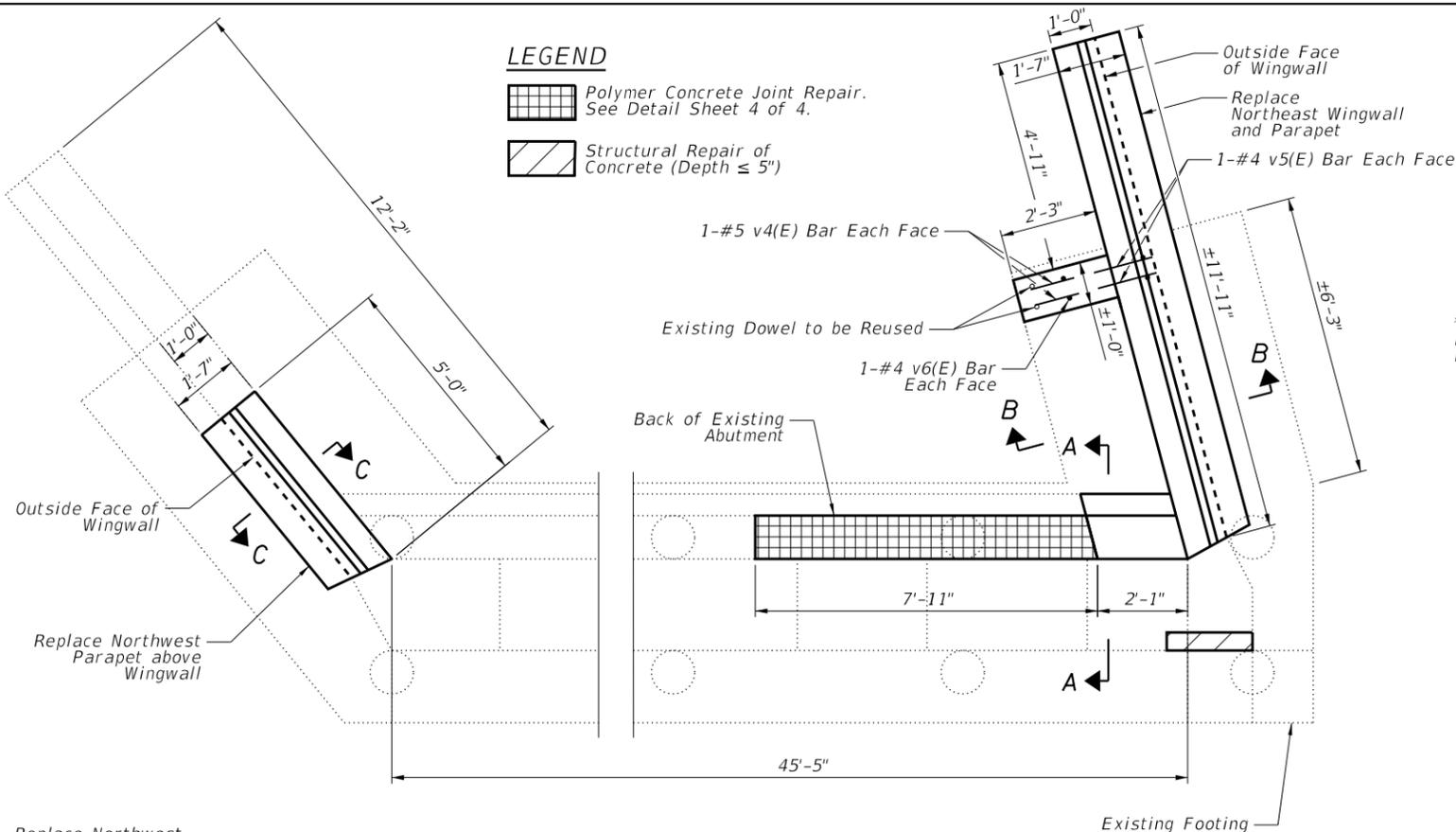
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290 22 WW	DUPAGE	23	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R64	

**REVISED SHEET 6/21/2022**

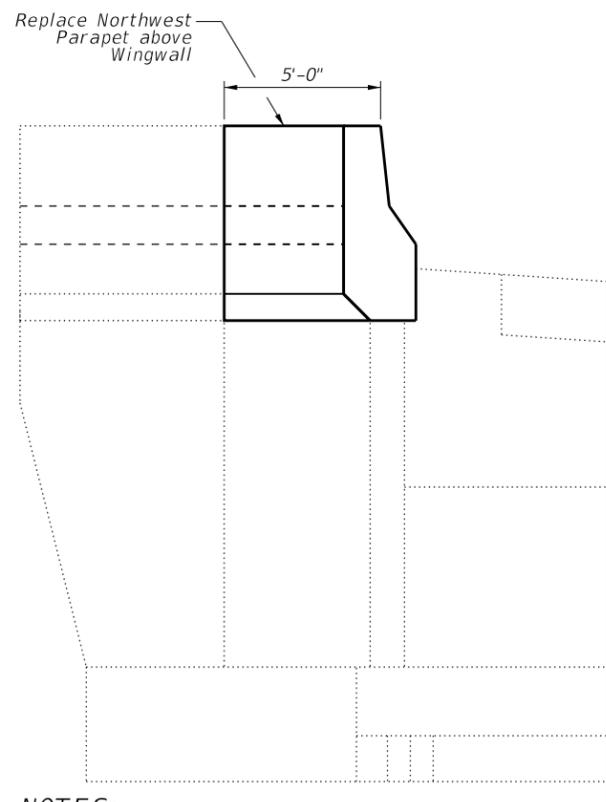


**LEGEND**

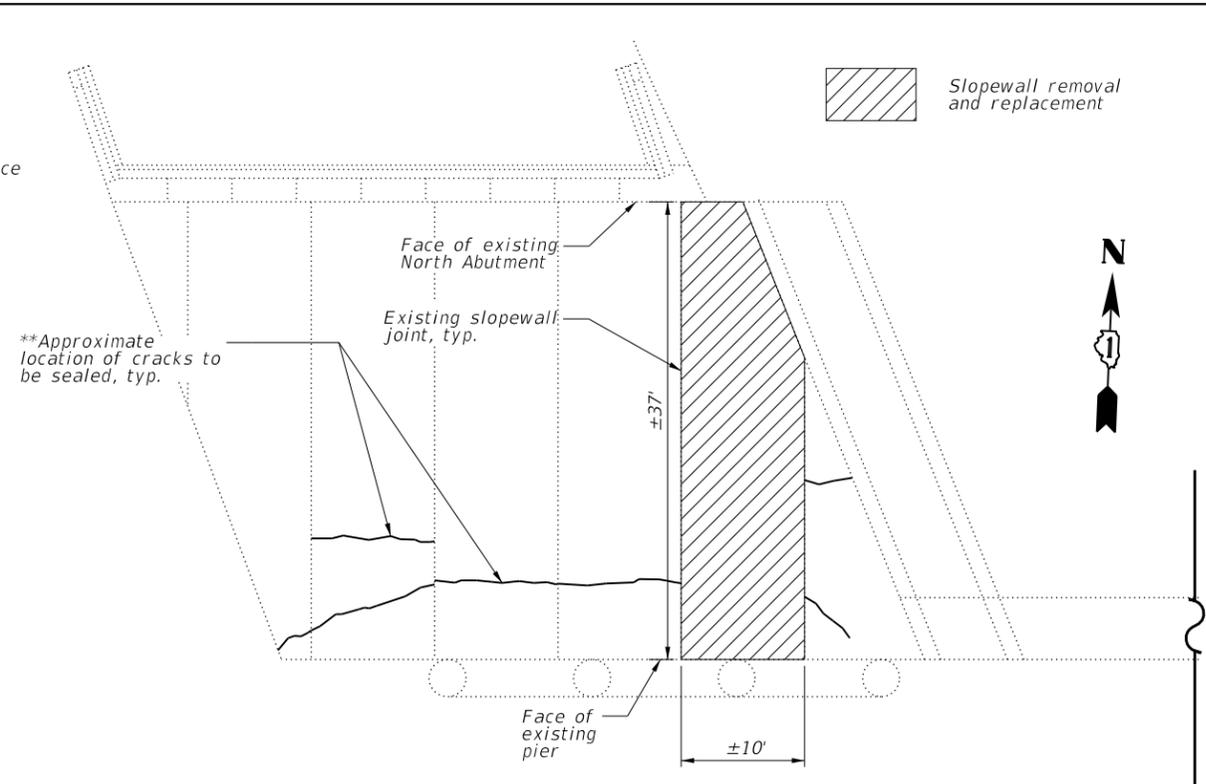
-  Polymer Concrete Joint Repair. See Detail Sheet 4 of 4.
-  Structural Repair of Concrete (Depth ≤ 5")



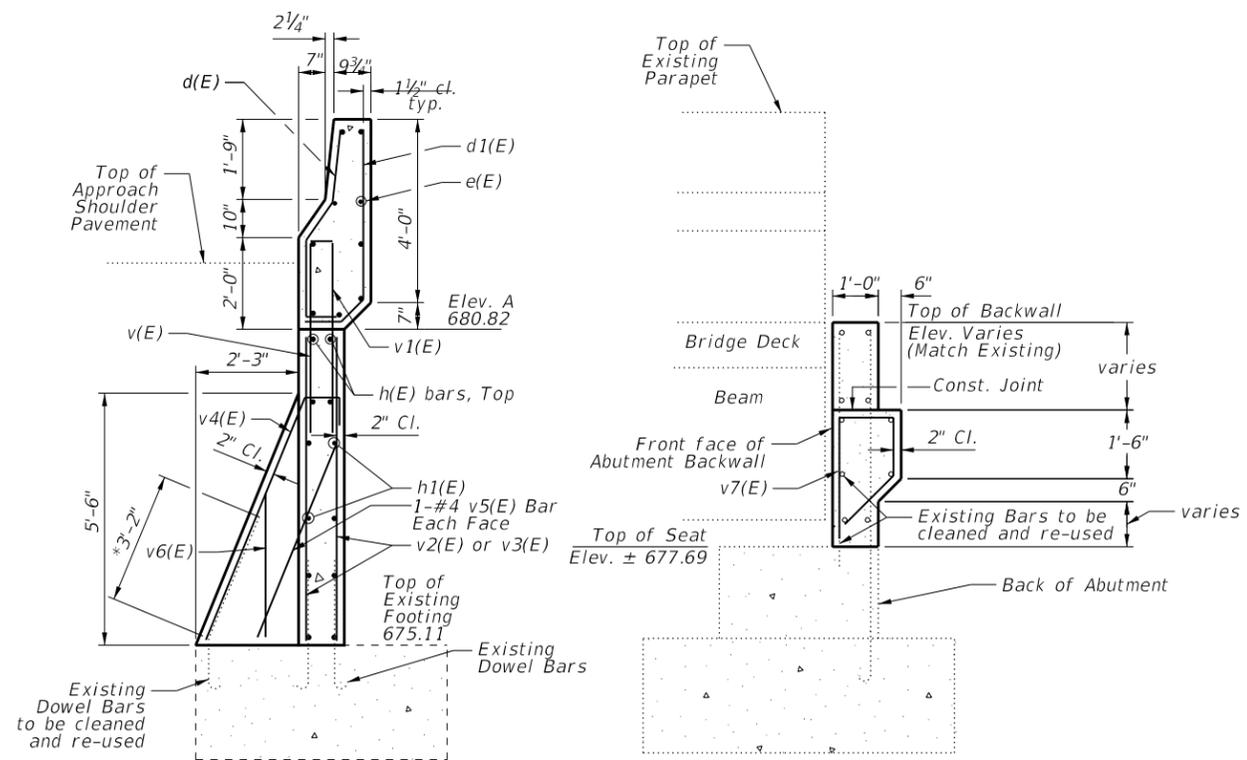
**NORTH ABUTMENT PLAN**



**NORTH ABUTMENT ELEVATION**



**NORTH ABUTMENT SLOPE WALL REPAIRS**



**SECTION B-B**

**SECTION A-A**

\*Field Trim existing dowel reinforcement to the length shown and lap with new v4(E) bars.

**NOTES:**

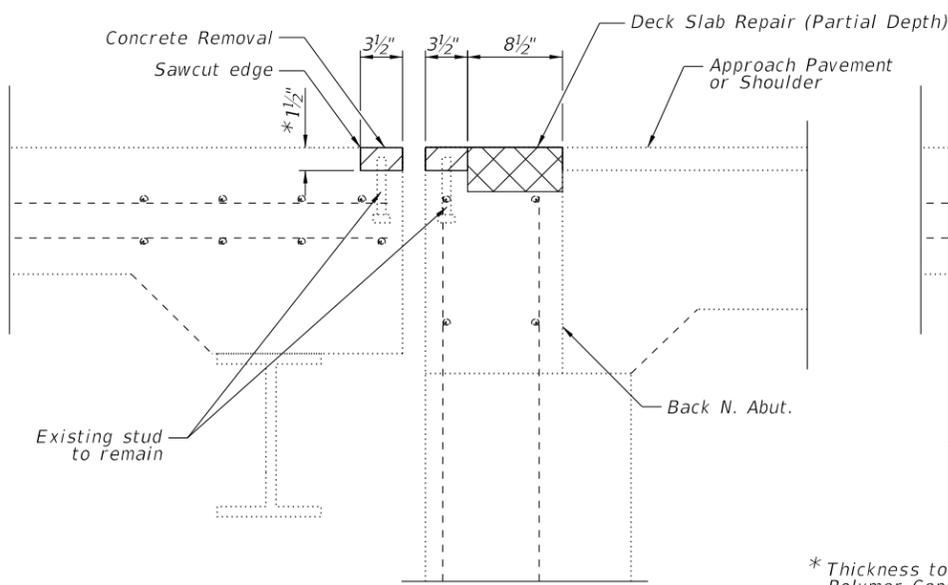
See Sheet 4 of 4 for Section C-C

See Sheet 4 of 4 for Details of Bars d(E), d1(E), v(E), v4(E), v7(E), and Bill of Materials

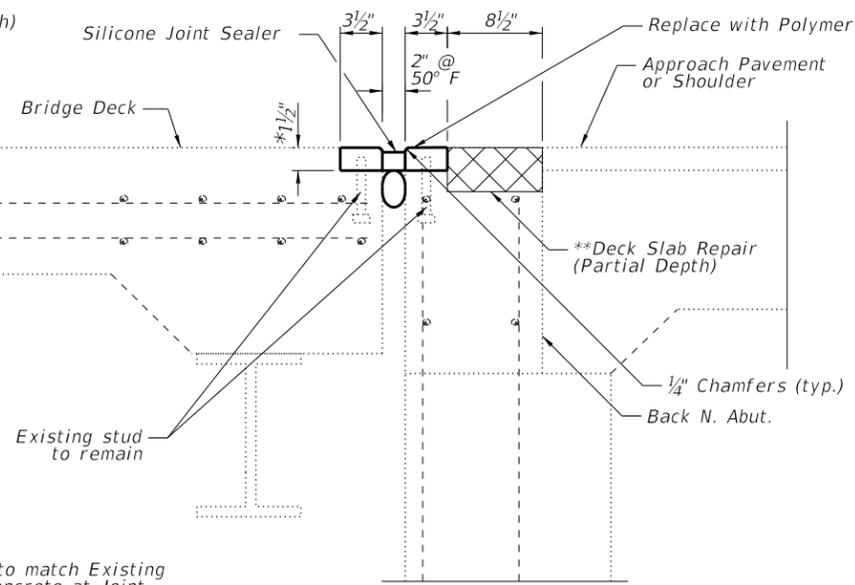
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PLOT DATE = 6/15/2022	CHECKED - JMB	REVISED -
	DATE - 4/21/2022	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	SN 022-0015		CONTRACT NO. 62R64	
		ILLINOIS	FED. AID PROJECT	

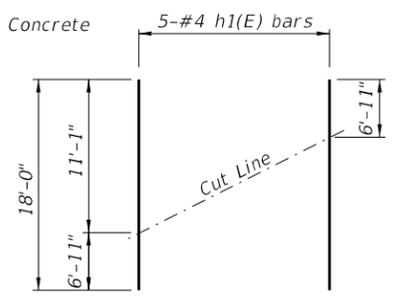


**NORTH ABUTMENT JOINT REMOVAL DETAIL**

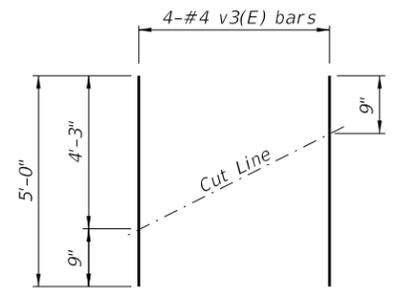


**NORTH ABUTMENT JOINT DETAIL**

\* Thickness to match Existing Polymer Concrete at Joint  
Verify in the field  
\*\* Complete Deck Slab Repair prior to placement of Polymer Concrete



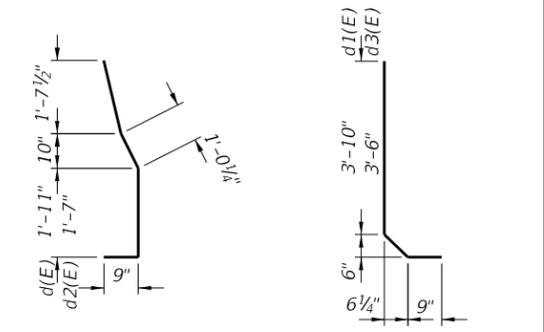
**BAR CUTTING DIAGRAM**  
Order h1(E) bars full length. Cut as shown and use remainder of bars in opposite face of wingwalls for the North Abutment.



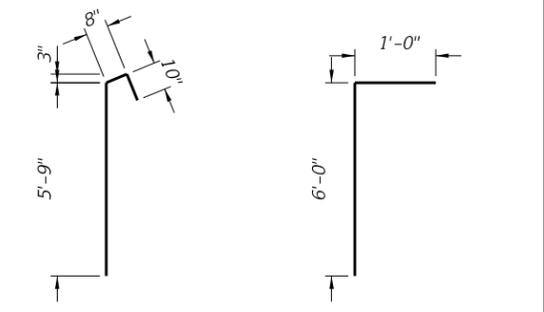
**BAR CUTTING DIAGRAM**  
Order v3(E) bars full length. Cut as shown and use remainder of bars in opposite face of wingwalls for the North Abutment.

**BILL OF MATERIAL**

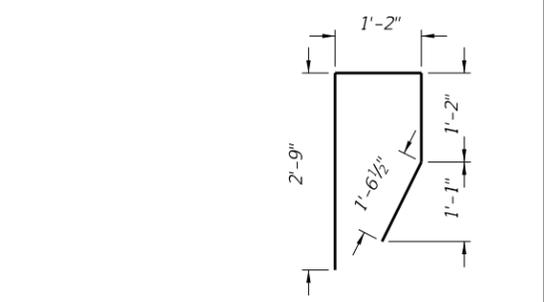
Bar	No.	Size	Length	Shape
d(E)	13	#6	5'-4"	
d1(E)	13	#6	5'-4"	
d2(E)	6	#6	5'-0"	
d3(E)	6	#6	5'-0"	
e(E)	9	#4	11'-7"	
h(E)	2	#4	11'-8"	
h1(E)	5	#4	18'-0"	
v(E)	12	#6	7'-0"	L
v1(E)	12	#6	6'-0"	
v2(E)	16	#4	5'-5"	
v3(E)	4	#4	5'-0"	
v4(E)	2	#5	7'-3"	
v5(E)	2	#4	5'-11"	
v6(E)	2	#4	3'-0"	
v7(E)	3	#4	6'-8"	



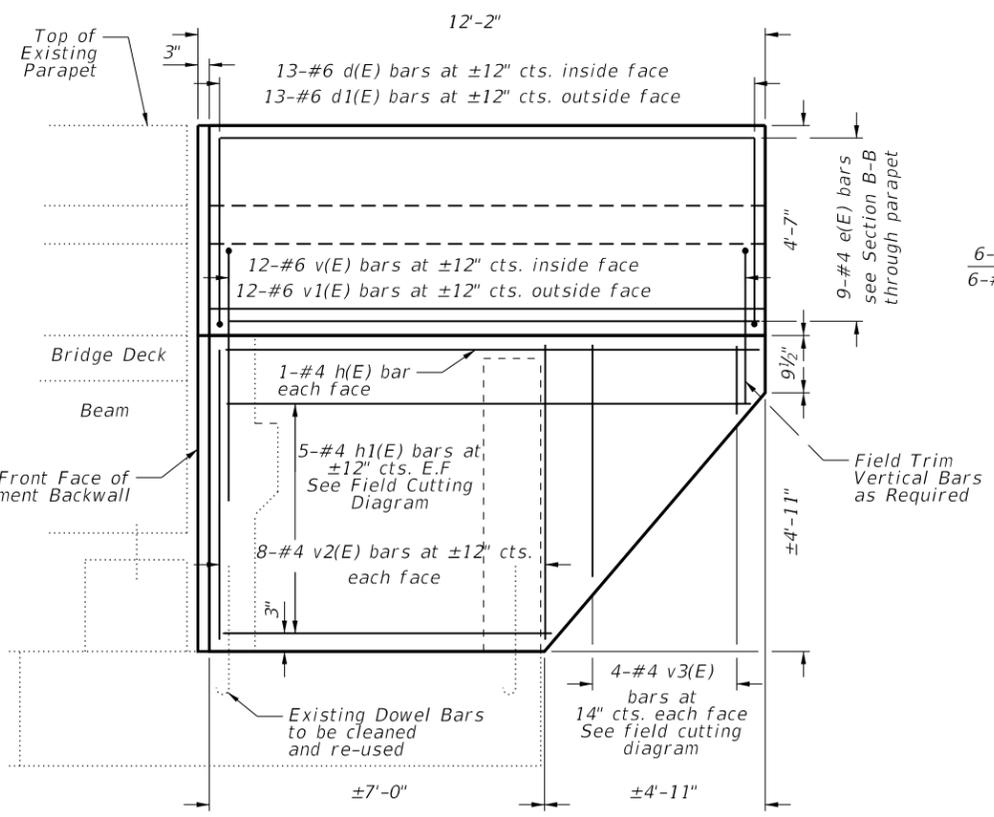
**BAR d(E), d2(E)**      **BAR d1(E), d3(E)**



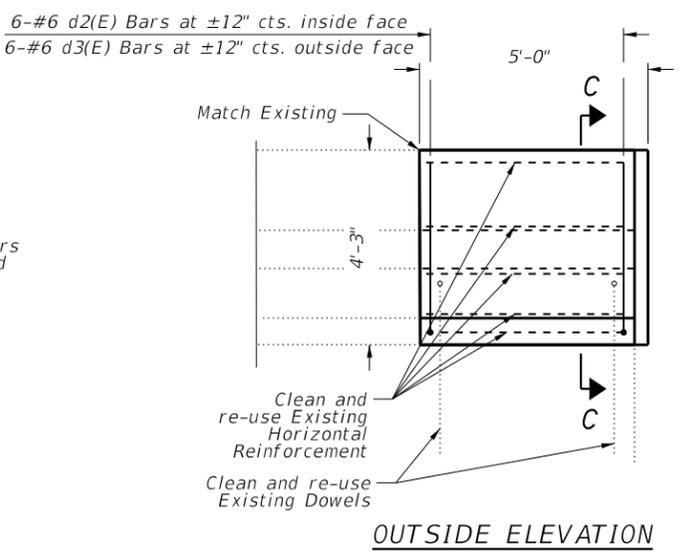
**BAR v4(E)**      **BAR v(E)**



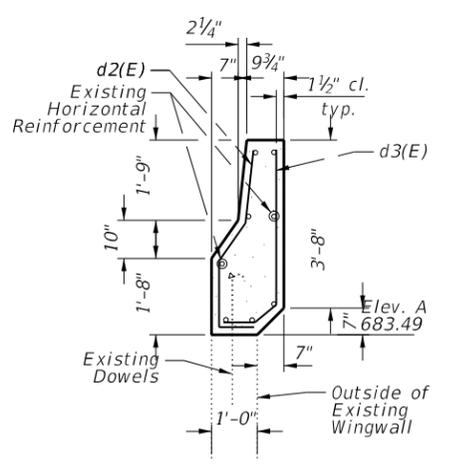
**BAR v7(E)**



**NORTHEAST WINGWALL OUTSIDE ELEVATION**



**NORTHWEST PARAPET REPAIR DETAIL**



**SECTION C-C**

**NOTES:**

See Sheet 3 of 4 for Section B-B.

REVISED SHEET 6/21/2022

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