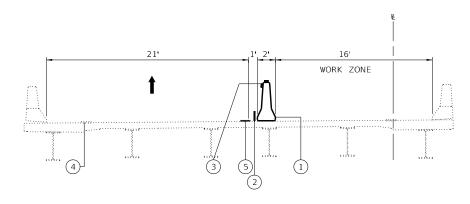
	SUMMARY OF QUANTITIES			C	ONSTRUCTI	ON TYPE C	CODE			CUMMADY	OF QUANTITIES			CO	NSTRUCTIO	N TYPE CO	DDE	
	SUMMART OF UDANTITIES	URBAN TOTAL	100%							SUMMART	OF QUANTITIES		TOTAL					
CODE NO	ITEM UNIT	QUANTITIES	CT 4 TE						CODE NO		ITEM	UNIT	QUANTITIES					
78300202	PAVEMENT MARKING REMOVAL - WATER SO FT	3106	3106															
	BLASTING																	
x0323491	SLOPE WALL CRACK SEALING FOOT	55	55															
x0326394	FLOOR DRAINS TO BE CLEANED EACH	3	3															
X4421791	CLASS D PATCHES, TYPE IV, 12 INCH SO YD	117	117															
A4421131	(SPECIAL)	111	111															
x6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1) CAL MO	12	12															
x7011015	TRAFFIC CONTROL AND PROTECTION L SUM	1	1															
	(EXPRESSWAYS)																	
	(LAI NESSWAYS)																	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH SO FT	4	4															
	EOUAL TO OR LESS THAN 5 INCHES)																	
Я І	DESK SLAB REPAIR (PARTIAL) SO YD	0.6	0.6	31														
Z0030850	TEMPORARY INFORMATION SIGNING SO FT	26	26)														
Z0041895	POLYMER CONCRETE CU FT	0.6	0.6	$\frac{1}{2}$														
Z0064800	SELECTIVE CLEARING UNIT	2	2															
Я	SILICONE JOINT SEALER, 2" FOOT	10	10	3														
я і			huu	1.7														
																REVISE	D SHEET 6	5/21/2022
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	PLOT DATE = 5/10/2022 DATE -		REVISED	-							ALE: SHEET NO. OF	SHEETS S1	A. TO STA.	FED. ROA	D DIST. NO. 1 [II	LLINOIS FED. AID		U. UZNO4

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

STAGE I

- 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.

SUGGESTED SEQUENCE OF CONSTRUCTION & MAINTENANCE OF TRAFFIC

STAGE II

- 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.
- PERFORM BRIDGE REPAIRS ON NW WINGWALL.
- 3. REMOVE STAGE II TEMPORARY CONCRETE BARRIER.
- 4. REMOVE STAGE II TRAFFIC CONTROL DEVICES.

SCALE:

MAINTENANCE OF TRAFFIC GENERAL NOTES:

- I. 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.
- 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.
- 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 1-290 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.
- 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.
- 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.



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

							(NORTH AVENUE) GENERAL NOTES	
	SHEET	1	OF	3	SHEETS	STA.	TO STA.	

BENCH MARK:

#8 sa. cut N.W. corner of S.E. retaining wall 48' right Sta. 50+65 North Ave. Elev. 655.03

EXISTING STRUCTURE:

The existing structure carries the Ramp Southbound I-290 to Eastbound Illinois 64 (North Avenue) over North Avenue and is a four span steel, non-continous bridge which carries two lanes of traffic.

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Existing reinforcement bars extending into removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

52'-0"

Span 1

€ IL Rte. 64

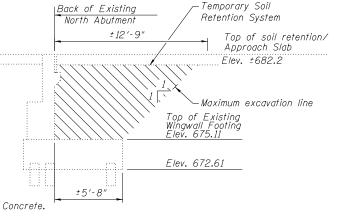
(North Ave.)

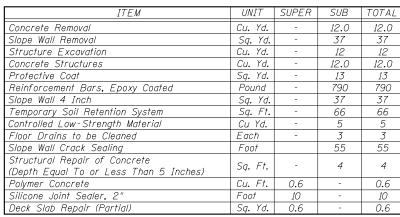
Apply Protective Coat to top and inside face of repaired parapets and top of repaired backwall and Polymer Concrete,

55′-9"

Span 2

PLAN

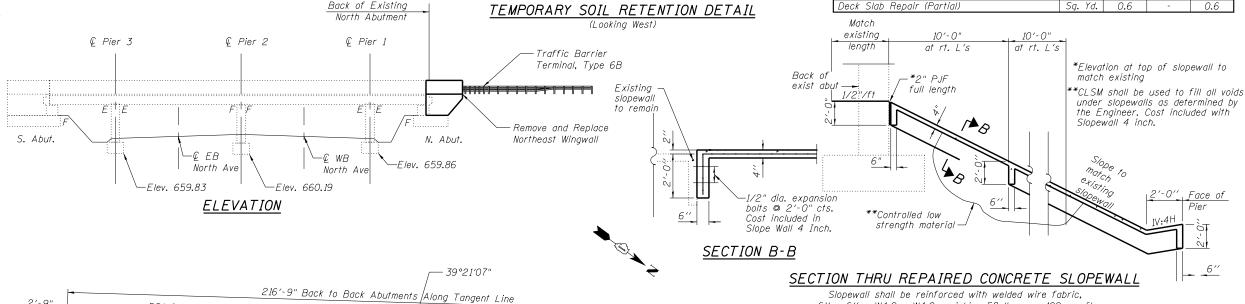




TOTAL BILL OF MATERIAL

SCOPE OF WORK:

- Remove bridge approach shoulder pavement at NE quadrant to facilitate wingwall reconstruction. Replace upon completion of other work.
- 2. Install Temporary Soil Retention System.
- 3. Remove and replace entire portion of NE wingwall above the footing, to include $\pm 3'$ of the North Abutment backwall. Replacement includes parapet on top of wingwall.
- 4. Remove and replace Polymer Concrete joint at the North Abutment for an additional ±7' beyond the wingwall replacement length.
- 5. Remove and replace 5'-0" of the concrete parapet on top of the NW wingwall.
- 6. Repair substructure of North Abutment at NE corner.
- 7. Remove and replace sections of slopewall noted, fill voids with CLSM, and seal cracks in existing slonewall.



51′-9"

Span 4

EXISTING STRUCTURE f'c = 3,500 psi fy = 60,000 psi (Reinforcement) DESIGN SPECIFICATIONS (New Construction) 2002 AASHTO Standard Specifications, 17th Edition LOADING HS 20-44 Original Construction

DESIGN STRESSES

₽ Pier 3 Pier 2 Out Back South Abutment

2'-9"

Floor Drain to

be clean (typ.)

Remove and Replace Concrete Parapet over Wingwall -Traffic Barrier Terminal to Remain 5'-0" PGL Ramp A Back North Abutment Proposed Rehabilitation

6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

INDEX OF SHEETS

- General Plan and Elevation North Abutment and Wingwall Removal
- North Abutment and Wingwall Repair
- 4. Wingwall, Parapet, & Joint Repair Details

LOCATION SKETCH

GENERAL PLAN AND ELEVATION I-290 EB RAMP A TO US 20 OVER IL 64

(NORTH AVENUE) SEC FAI 290 22 WW DUPAGE COUNTY STATION 14+45.40

STRUCTURE NO. 022-0015

CHASTAIN & ASSOCIATES LLC

USER NAME = jpang	DESIGNED - CMF	REVISED -	Ī
	DRAWN - DMV	REVISED -	
PLOT SCALE = 32.0000 / in.	CHECKED - JMB	REVISED -	
PLOT DATE = 6/15/2022	DATE - 4/21/2022	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

52'-0"

Span 3

-Sta 14+45.40 Ramp

© Pier

Sta 24+01.27 North Ave

Slopewall to be-

Replaced

Remove and Replace with Polymer Concrete and Silicone Seal. See Detail Sheet 4 of 4.

Remove and Replace Northeast -

Remove and Replace entire Parapet

Approach Shoulder Pavement

and Wingwall down to Pile Cap

Temporary Soil Retention System

See Roadway Plans

Traffic Barrier Terminal, Type 6B-

See Roadway Plans

SCALE:

-290	EB							•	AVENUE)	
GENERAL PLAN AND ELEVATION										
		SHEET	1	OF	4	SHEETS	STA.		TO STA.	

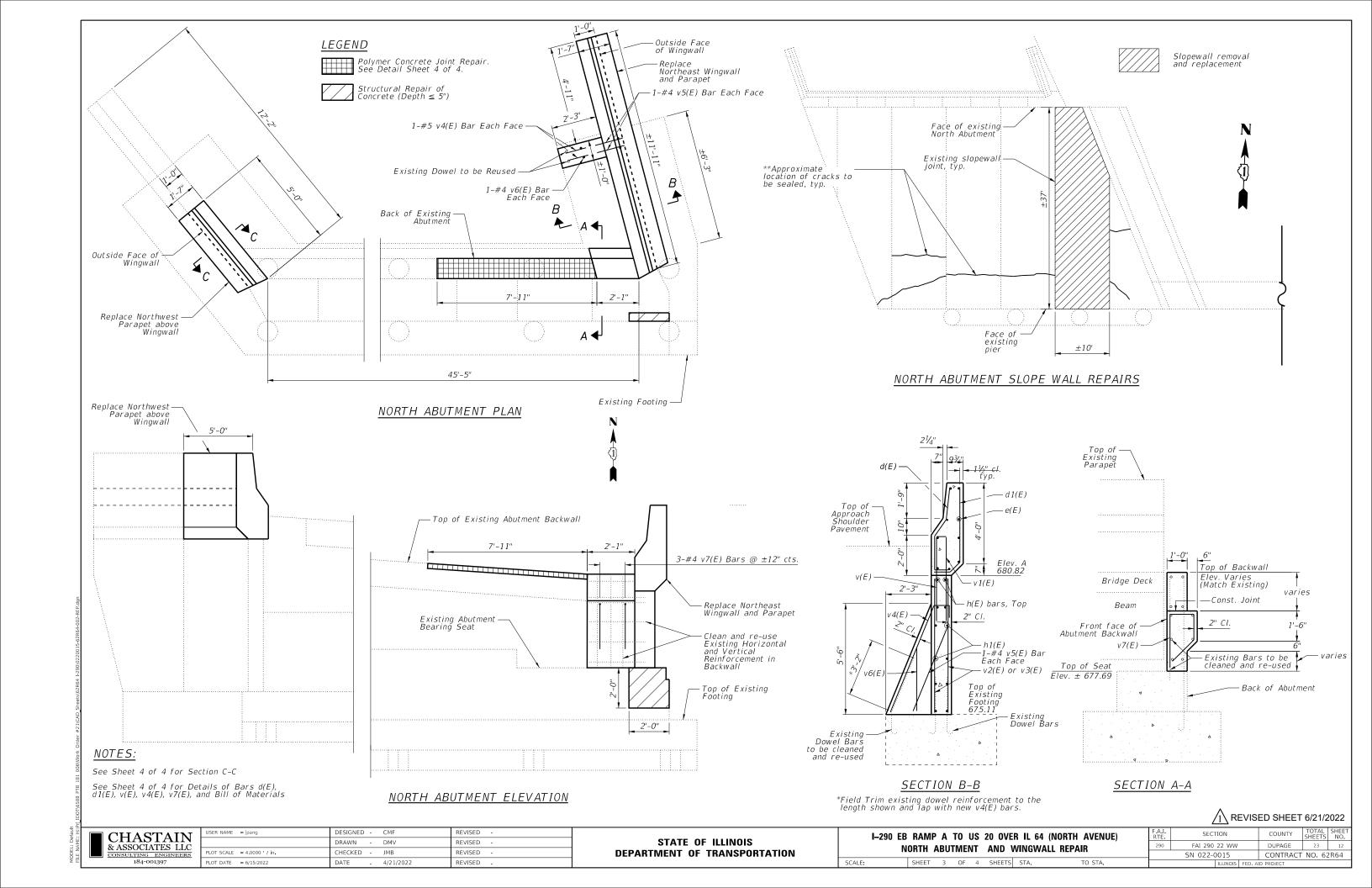
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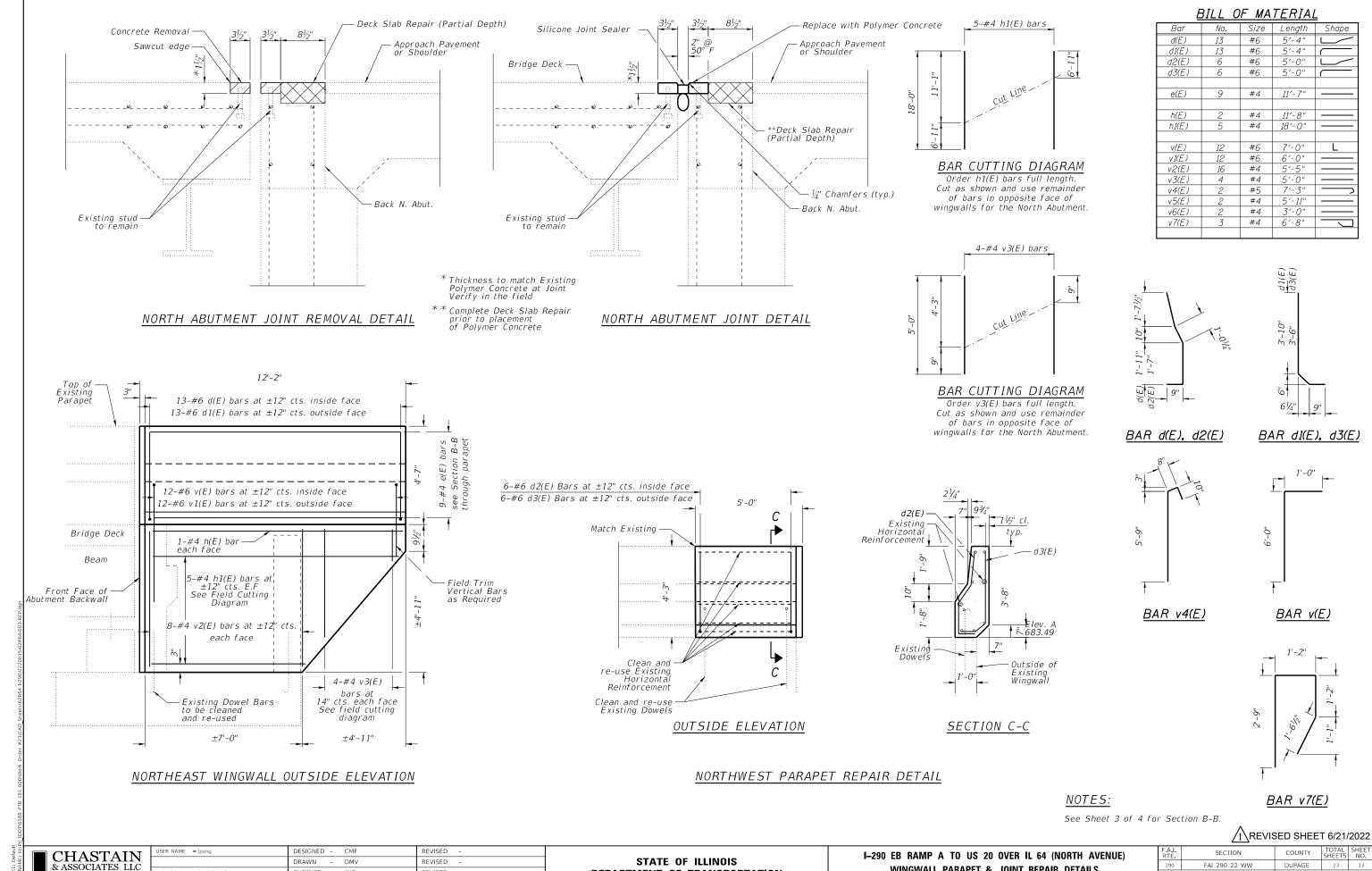
IEREMY

Jeremy Buening, P.E., S.E. License Expires 11/30/22

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F.A.I. RTE	SEC ⁻	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
290	FAI 290	22 WW		DUPAGE	23	10
	SN 022-0	0015	CONTRACT	NO. 62	2R64	
		ILLINOIS	ID PROJECT			

/1\REVISED SHEET 6/21/2022





OT SCALE = 8.0000 ' / in. HECKED -JMB REVISED LOT DATE = 6/15/2022 DATE 4/21/2022 REVISED

DEPARTMENT OF TRANSPORTATION

SCALE:

290	EB	RAMP	Α	T0	US	20 OV	ER II	. 64	(NORTH	AVENUE)
	WINGWALL, PARAPET, & JOINT REPAIR DETAILS										
		SHEET	4	OF	4	SHEET	S STA			TO STA	

FAI 290 22 WW DUPAGE 23 SN 022-0015 CONTRACT NO. 62R64