06-12-2020 LETTING ITEM 070

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STATE OF ILLINOIS

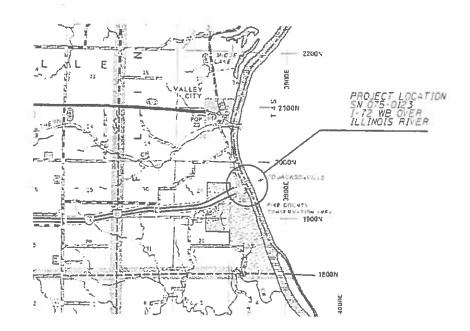
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO.

PROPOSED HIGHWAY PLANS

FAI ROUTE 72 (I-72) SECTION (20) BRR, BDS PROJECT NHPP-H1M0(789) **BRIDGE PARAPET REPAIR** PIKE COUNTY

C-96-079-20



BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY - (217) 785-9290

GROSS LENGTH = 3204 FT. = 0.61 MILE

NET LENGTH = 3204 FT. = 0.61 MILE

D-96-049-20



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123

OR 811

CONTRACT NO. 72L83

INDEX OF SHEETS

COVER SHEET

INDEX, STANDARDS, SIGNATURES, & GENERAL NOTES

SUMMARY OF QUANTITIES

TRAFFIC CONTROL DETAILS

5-8 SN 075-0123 BRIDGE PLANS

000001-07 001001-02 001006 701101-05 701106 - 02 701400-09 701401-12 701402 - 12 701901-08 704001-08 782006-01

STANDARDS

GENERAL NOTES:

AREAS OF PARAPET REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF PARAPET REPAIRS ON AS-BUILT PLANS.

> STATE OF ILLINOIS
> DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6 March 16

ENGINEER OF OPERATIONS

March 12 20 20 Che Z John Z ENGINEER OF PROJECT IMPLEMENTATION

March 18 Sul & Madria ENGINEER OF PROGRAM DEVELOPMENT

JSER NAME = dudleybm DESIGNED -REVISED -DRAWN REVISED -CHECKED -REVISED PLOT DATE = 3/19/2020 REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

COUNTY TOTAL SHEET NO.

PIKE 8 2 SECTION INDEX OF SHEETS, STANDARDS, (20) BRR, BDS **GENERAL NOTES, & SIGNATURES** CONTRACT NO. 72L83 OF SHEETS STA. TO STA.

0-01290-6003 SN 075-0123 90% FED 10% STATE

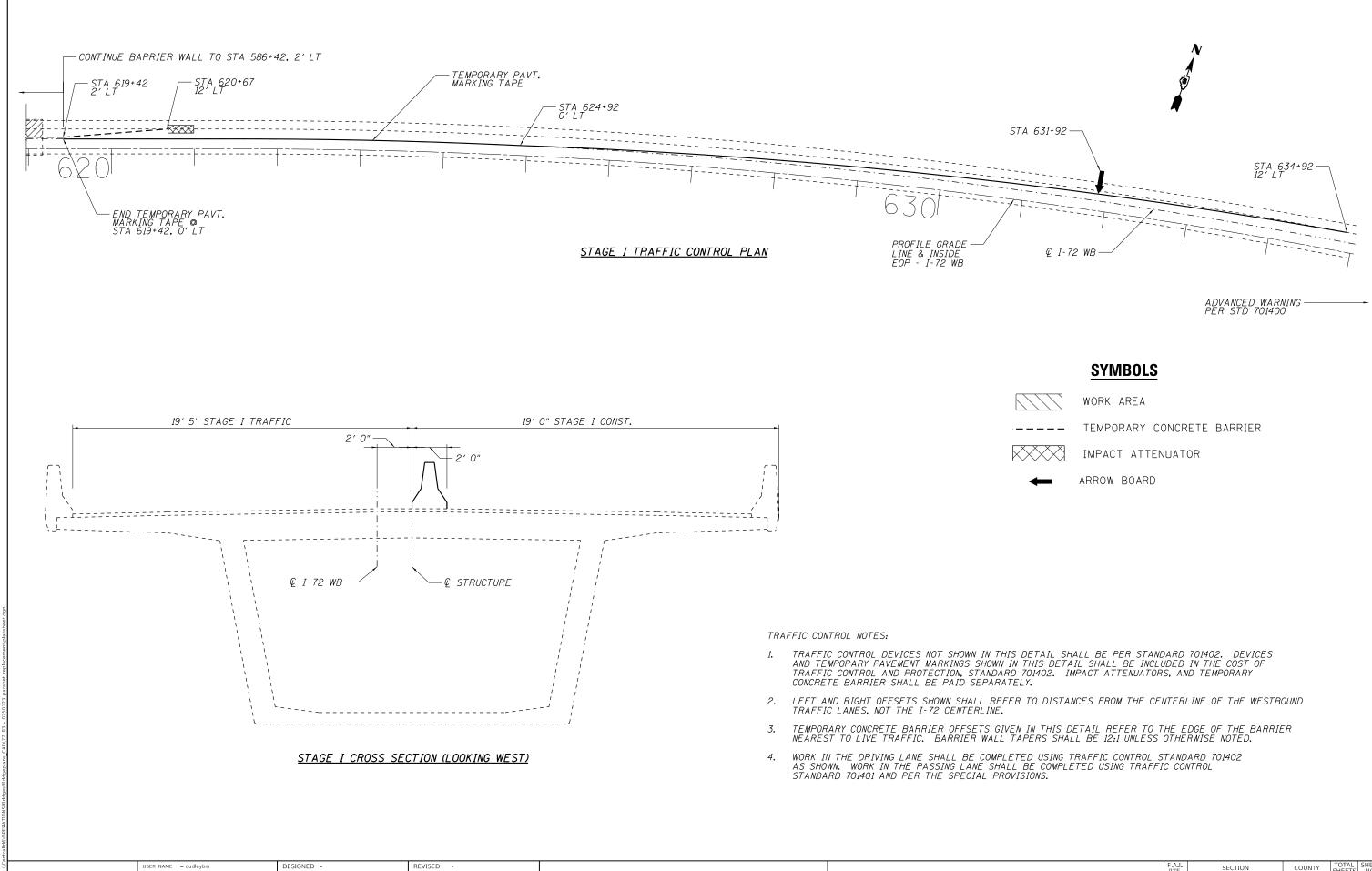
CODE	TTEM	LINITT	TOTAL	SN 075-0123 0047-RURAL
NO.	ITEM	UNIT	QUANTITY	PIKE
50157300	PROTECTIVE SHIELD	SQ YD	150	150
50102400	CONCRETE REMOVAL	CU YD	39	39
50300255	CONCRETE SUPERSTRUCTURE	CU YD	39	39
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5370	5370
67100100	MOBILIZATION	L SUM	1	1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3425	3425
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1
X0326444	SURFACE FILLER (SPECIAL)	GALLON	54	54
X5030550	PROTECTIVE COAT (SPECIAL)	SQ YD	5371	5371

USER NAME = dudleybm	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2020	DATE -	REVISED -

SCALE:

OUMANADY OF QUANTITIES					F.A.I. RTE.	SECTION	COUNTY TOTAL SHEETS		SHEET NO.	
	SUMMARY OF QUANTITIES				72	(20) BRR, BDS	PIKE	8	3	
							CONTRACT	NO. 72	2L83	
	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

Bridges\Bridgeplans_CAD\//2L83 - 0/50123 parapet replacement\pla



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS

OF SHEETS STA.

TO STA.

SCALE:

(20) BRR, BDS

PIKE

8 4

CONTRACT NO. 72L83

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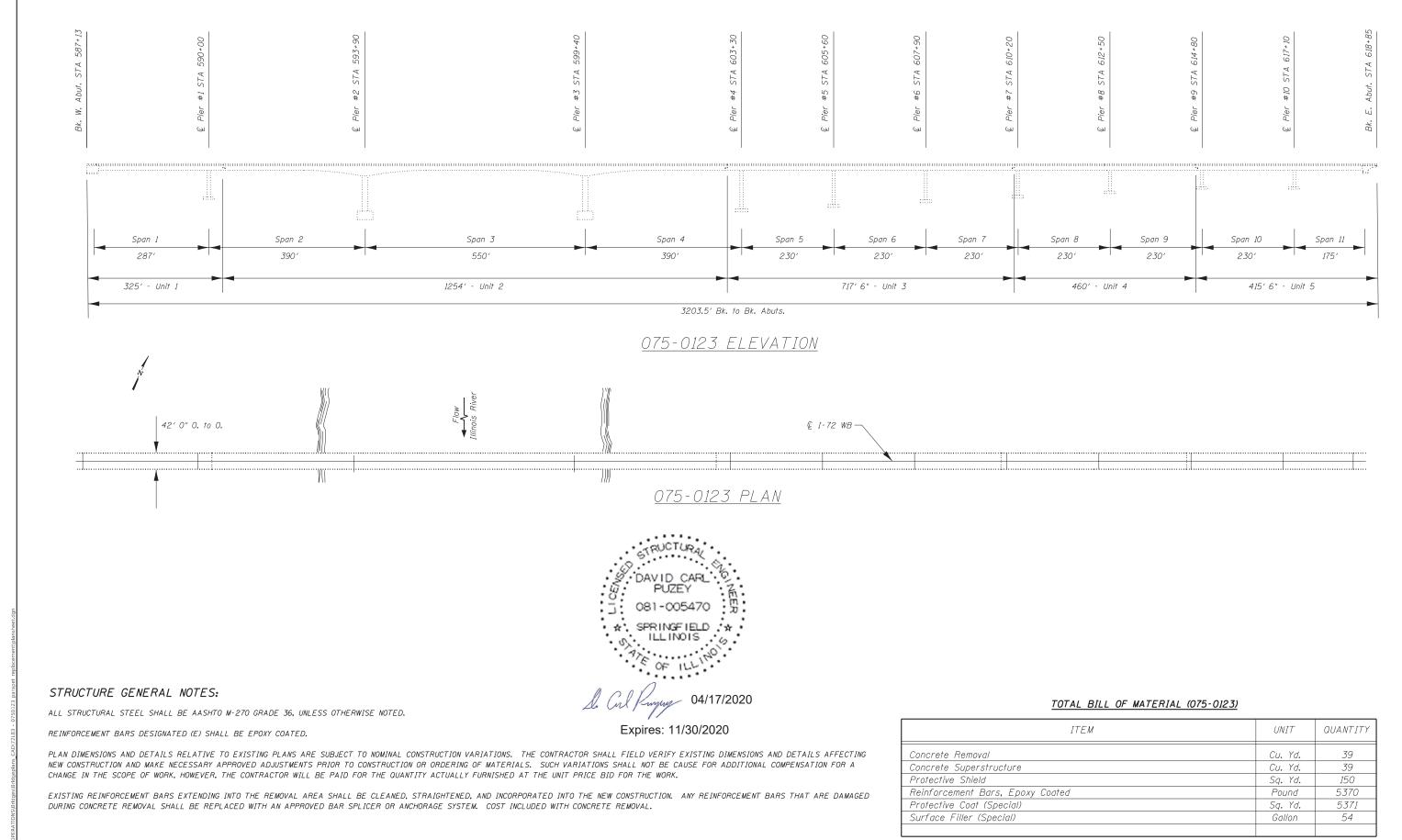
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MODEL: Default

JSER NAME = dudleybm

PLOT DATE = 3/19/2020

LOT SCALE = 100.0000 ' / in.

REVISED REVISED REVISED -

BRANDON DUDLEY

BRANDON DUDLEY

2/19/2020

REVISED

DESIGNED -

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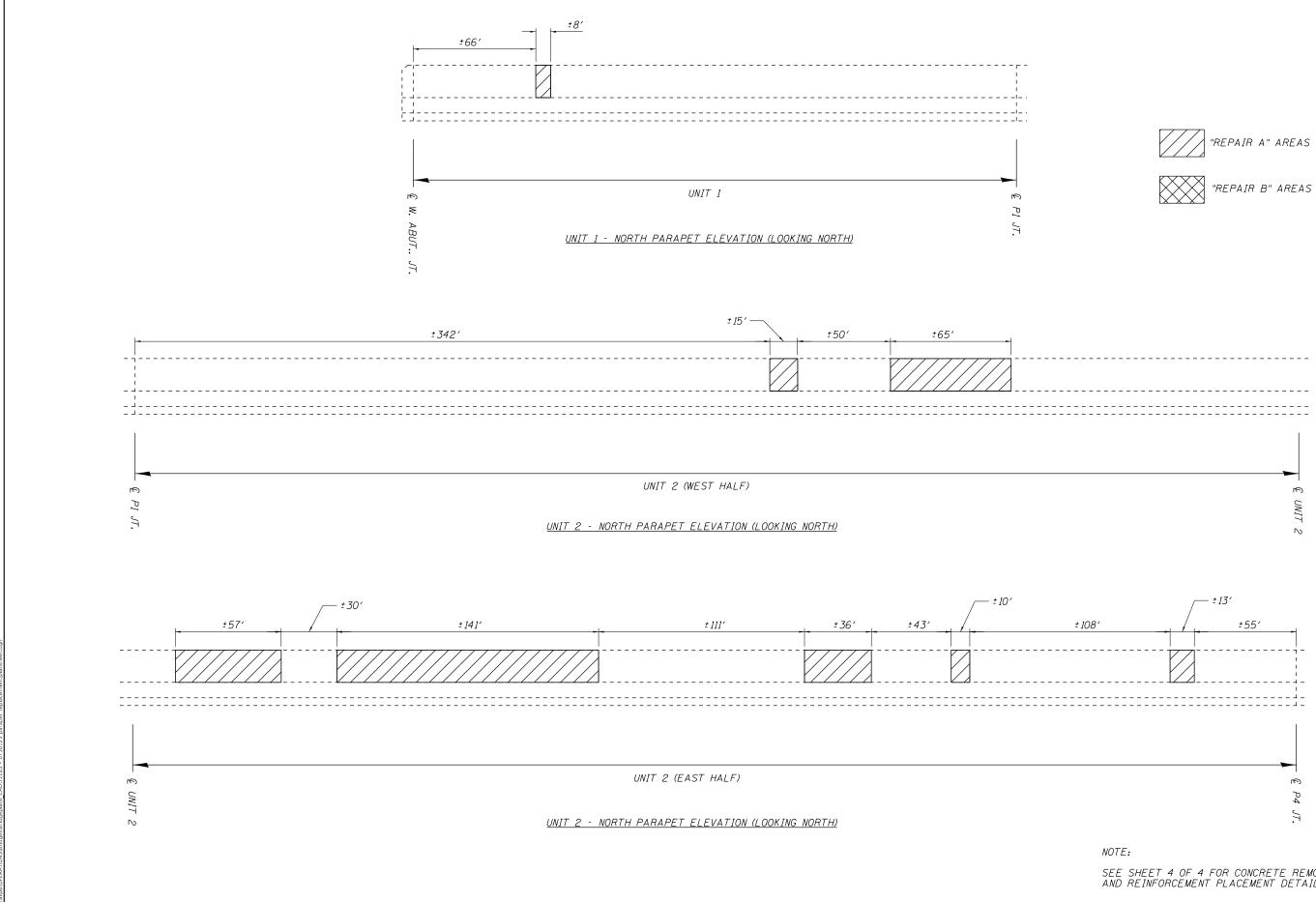
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DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

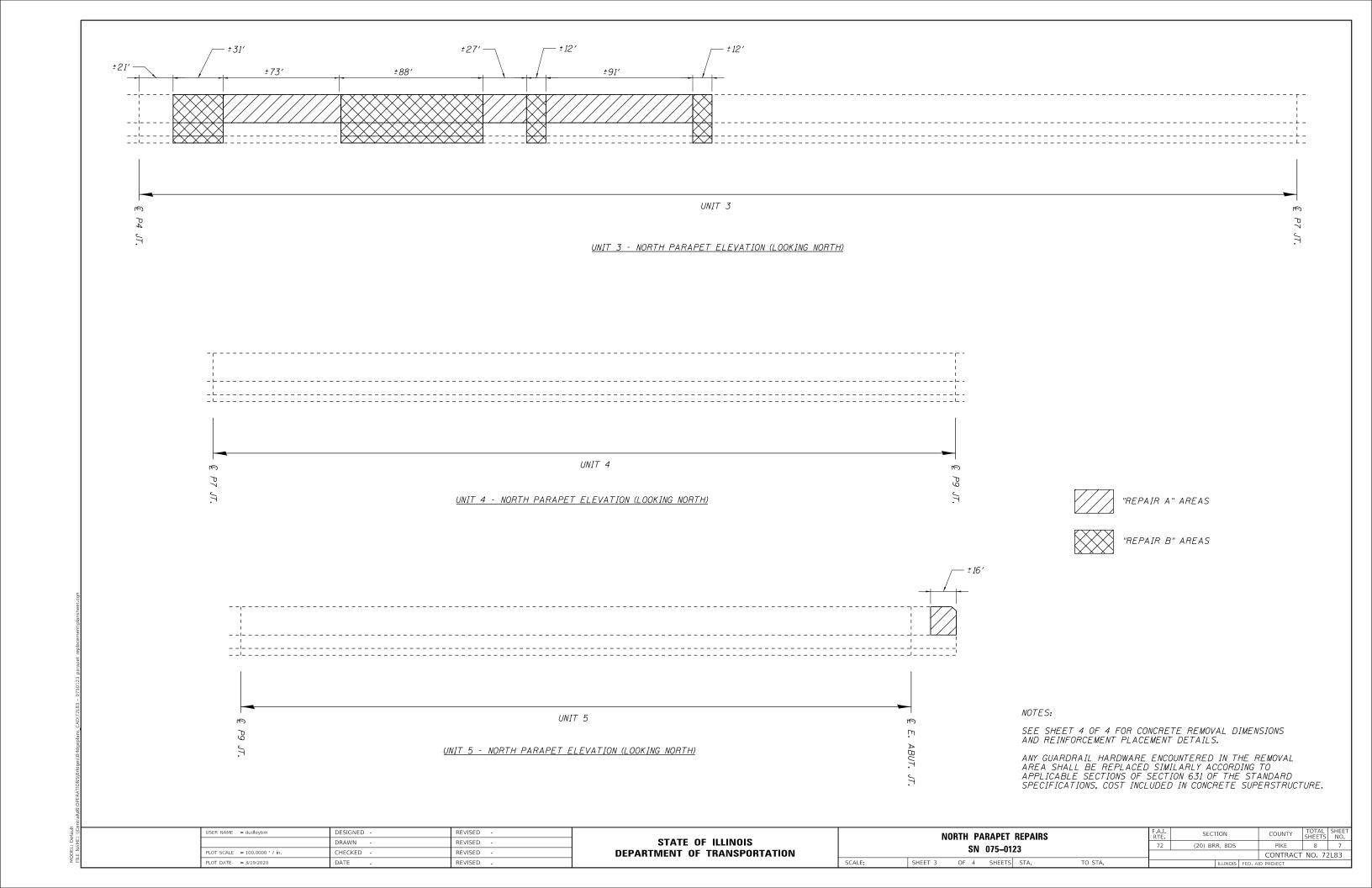
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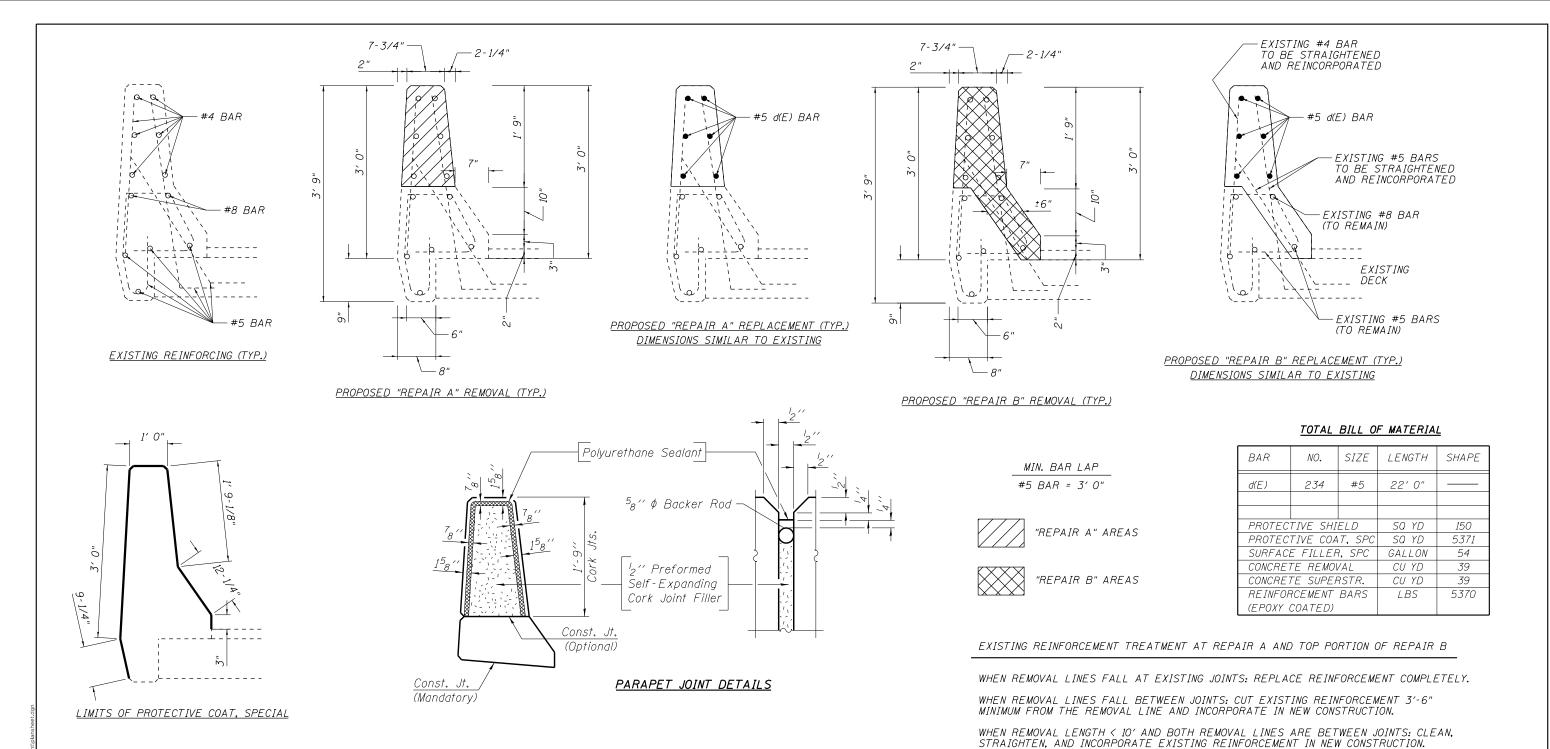
 PLAN & ELEVATION
 F.A.I. RTE.
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SEE SHEET 4 OF 4 FOR CONCRETE REMOVAL DIMENSIONS AND REINFORCEMENT PLACEMENT DETAILS.

JSER NAME = dudleybm DESIGNED -REVISED **NORTH PARAPET REPAIRS** STATE OF ILLINOIS DRAWN REVISED (20) BRR, BDS SN 075-0123 LOT SCALE = 100.0000 ' / in. CHECKED -REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 72L83 SHEET 2 OF 4 SHEETS STA. TO STA.





NOTES:

- PROTECTIVE SHIELD WILL BE REQUIRED OVER THE RIVER AND AS DIRECTED BY THE ENGINEER.
- A 3/4" SAW CUT SHALL BE PROVIDED AROUND THE PERIMETER OF ALL REMOVAL AREAS, COST INCLUDED IN CONCRETE REMOVAL.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL TAKE EXTREME CARE TO NOT DAMAGE THE POST-TENSIONED MEMBERS IN THE EXISTING DECK OR THE EXISTING REINFORCEMENT TO REMAIN. THE CONTRACTOR WILL BE ALLOWED TO DRILL A MAXIMUM OF 2" INTO THE DECK SURFACE FOR PURPOSES OF SECURING CONCRETE FORMS. AFTER FORM REMOVAL, ALL HOLES SHALL BE FILLED WITH SURFACE FILLER, SPECIAL.
- REPAIR QUANTITIES SHOWN ARE ESTIMATED. ACTUAL REPAIR LOCATIONS SHALL BE ESTABLISHED BY THE ENGINEER IN THE FIELD AND RECORDED IN THE AS-BUILT PLANS.
- PARAPET RECEIVING "REPAIR B" SHALL BE REMOVED/REPLACED IN SECTIONS NO LONGER THAN 22' AT A TIME. THE LENGTH OF POURS SHALL BE SUCH THAT 3'-6" OF NEW #5 d(E) BARS ARE LEFT EXPOSED TO ALLOW FOR THE 3'-0" LAP IN SUBSEQUENT POURS.
- · LONGITUDINAL REINFORCEMENT BARS ARE ESTIMATED AND SHALL BE SPLICED IN THE FIELD TO FIT EACH INDIVIDUAL REPAIR AREA PER THE SPLICE LENGTH TABLE SHOWN. CUT ENDS OF REINFORCEMENT SHALL BE RECOATED WITH EPOXY PAINT IN THE FIELD.
- ALL CONCRETE REPAIRS ARE ON THE NORTH PARAPET. PROTECTIVE COAT, SPECIAL SHALL BE APPLIED TO THE ENTIRE LENGTH OF BOTH PARAPETS AND PER THE SPECIAL PROVISIONS. SURFACE FILLER, SPECIAL SHALL BE APPLIED PRIOR TO PROTECTIVE COAT, AS DIRECTED BY THE ENGINEER, AND PER THE SPECIAL PROVISIONS.
- PROPOSED PARAPET JOINTS SHALL BE PLACED AT THE EXITING PARAPET JOINT LOCATIONS.
- THE POLYURETHANE SEALANT FOR THE PARAPET JOINTS SHALL BE ACCORDING TO ARTICLE 1050.04 OF THE STANDARD SPECS.

USER NAME = dudleybm	DESIGNED -	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PARAPET REPAIR DETAILS SN 075-0123		F.A.I. RTF	SECTION	COUNTY	TOTAL S	HEET	
	DRAWN -	REVISED -	STATE OF ILLINOIS				72	(20) BRR, BDS	PIKE	8	8
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 72L	.83	
PLOT DATE = 3/19/2020	DATE -	REVISED -		SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.				ILLINOIS FED. A	JIS FED. AID PROJECT		

WHEN REMOVAL LENGTH > 10' AND BOTH REMOVAL LINES ARE BETWEEN JOINTS: CUT EXISTING REINFORCEMENT 3'-6" MINIMUM FROM THE REMOVAL LINE AT BOTH ENDS AND

INCORPORATE IN NEW CONSTRUCTION.