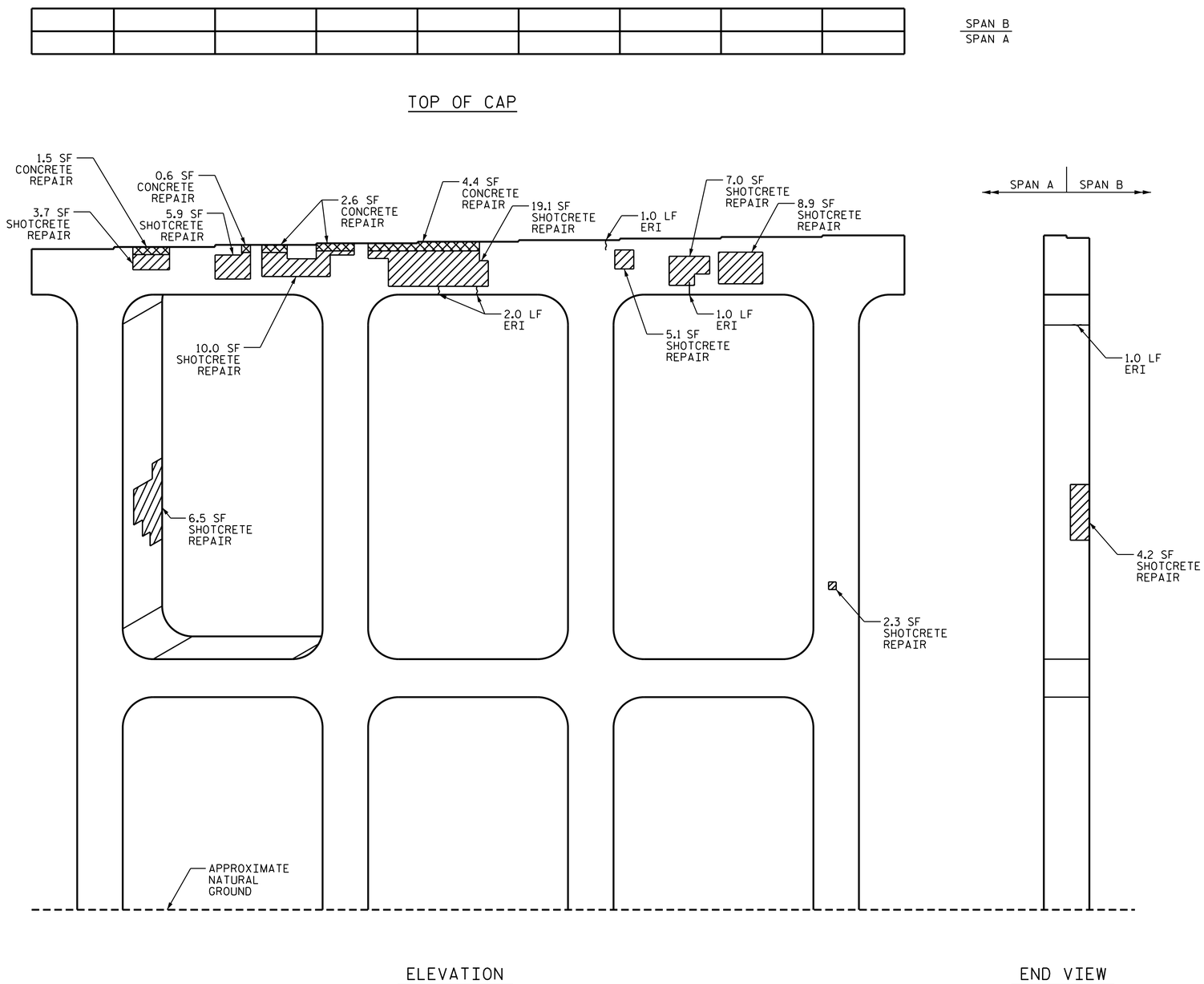

BENT 1 NORTHBOUND

AS-BUILT REPAIR QUANTITY TABLE

BENT 1 NORTHBOUND	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	59.7	29.9		
COLUMN & STRUTS	13.0	6.5		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	9.1	4.6		
COLUMN & STRUTS	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.		LIN. FT.
CAP		4.0		
COLUMN & STRUTS		1.0		
EPOXY COATING		SQ. FT.		SQ. FT.
TOP OF BENT CAP & STRUTS		316		

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MINIMUM OF 1" BEHIND REBAR AND MINIMUM 2" CLEARANCE TO SAWCUT. SEE "TYPICAL CAP AND COLUMN REPAIR DETAILS" SHEET.

NOTES

REPAIR LOCATIONS AND ESTIMATE OF QUATITIES ARE GIVEN BASED ON THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

CONCRETE REPAIRS MAY BE SUBSTITUTED IN LIEU OF SHOTCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIR, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIR, SEE SPECIAL PROVISIONS

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

CLEAN AND REMOVE DEBRIS FROM THE TOP OF THE CAP AND STRUTS. EPOXY COATING SHALL BE APPLIED TO THE TOP SURFACE OF THE CAP AND STRUTS. THE CONTRACTOR SHALL NOT COAT THE AREA OF THE CAP BENEATH THE MASONRY PLATES. FOR EPOXY COATING, SEE SPECIAL PROVISIONS.

AFTER SATISFACTORY COMPLETION OF SHOTCRETE, CONCRETE AND ERI REPAIRS, REPAIR EXISTING MURAL PAINT ON BENTS AND GIRDERS, AS APPROPRIATE.

CONCRETE REPAIR AREA

SHOTCRETE REPAIR AREA

EPOXY RESIN INJECTION (ERI)

PROJ. NO. I-5746C

MECKLENBURG COUNTY

BRIDGE NO. 590322

SHEET 1 OF 2

DocuSigned by:
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NORTH CAROLINA PROFESSIONAL SEAL 35647 ENGINEER ADAM A. COLE

8/23/2021

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BENT 1
NORTHBOUND
SPAN A FACE

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S5-10

TOTAL SHEETS 274

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : R.L. PUTEK DATE : 05/2021
CHECKED BY : H.A. LOCKLEAR DATE : 05/2021

23-AUG-2021 11:57
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