

10/19/2021 15BPR.46_SMU_SBR72_270012.dgn jduke

DESIGN ENGINEER OF RECORD: _____JACOB H. DUKE ___ DATE : 10/1/2020

			LEGEND	AS-
Image: Solution of the				
Image: Second			EPOXY RESIN INJECTION (ERI)	
Image: Second				
	Y)			
20.1.00F FCCTAS 20.1.00F				EPOXY RES
Image: Source of the second				FOOTING
VILLES IN UNCLUES				
TO SANCE. NOTES: APPENDING APP				VALUES IN
LOSE BCI SOUT LITE VATION				TO SAWCUT.
AP FINE AP	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			REPAIR LOC
NORTH ELEVATION				ARE DEEMED Drawings t
III PRATTER A PREVENTION NORTH ELEVATION NORTH ELEVATION NORTH ELEVATION PRATER A SOUTH FLEVATION SOUTH FLEVATION				``SCATTERED
NORTH ELEVATION NORTH ELEVATION SHEETS. SHOLER HE SPROVAL SHEETS. SHOLER HE SPROVAL SHEETS. SHOLER HE SHEETS. SHOLER HE SHEETS. SH				IDENTIFY A
NORTH ELEVATION NORTH ELEVATION SIDE OF OR HUBBLIGS FOR POXY SECTION 42 SOUTH FLEVATION				FROM $1^{1/2}$ " T
NORTH ELEVATION SHEEPS. SHOTRATE S				EXCAVATION
SOUTH FLEVATION	NORT	h elevatio	Ν	SHEETS.
BRECOLJAC FC3 EPOXY SECITION 42 THE EVATION				APPROVAL O
SECTION 42				BRIDGE JAC
	-1.0 SE SCR			
	/			
SOUTH ELEVATION				
SOUTH ELEVATION FINAL UNLESS ALL SIGNATURES COMPLETED				
III III SOUTH ELEVATION Document not considered final unless all signatures completed				
SOUTH ELEVATION Document not considere Final unless all signatures completed				
SOUTH ELEVATION DOCUMENT NOT CONSIDERE FINAL UNLESS ALL SIGNATURES COMPLETED				
SOUTH ELEVATION Document not considere final unless all signatures completed				
FINAL UNLESS ALL SIGNATURES COMPLETED	SOUT	<u>h elevat</u> io		
			FIN, SIGNA	AL UNLESS ALL

AS-BUILT REPAIR QUANTITY TABLE								
		QUANTITIES						
	ESTIMATE		ACTUAL					
HOTCRETE REPAIRS	AREA SQ.FT.	VOLUME CU.FT.	AREA SQ.FT.	VOLUME CU.FT.				
CAP/FOOTING	1.0	0.5						
COLUMN/PILE	_	-						
ONCRETE REPAIRS	AREA SQ.FT.	VOLUME CU.FT.	AREA SQ.FT.	VOLUME CU.FT.				
* CAP	-	-						
POXY RESIN INJECTION	LIN.FT.		LIN.FT.					
САР	-							
COLUMN/PILE	_							
FOOTING	-							
P INTEGRAL PILE JACKETS	LIN.FT.		LIN.FT.					
PILE								

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE.MINIMUM OF 1"BEHIND REBAR AND MINIMUM 2"CLEARANCE TO SAWCUT.FOR REPAIR DETAILS, SEE "CONCRETE RESTORATION DETAILS" SHEETS.

NOTES:

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH 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 LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE TABLE ABOVE.

CRACKING LOCATIONS AND QUANTITIES FOR LOCATIONS DESCRIBED AS "SCATTERED THROUGHOUT" IN THE INSPECTION REPORT ARE BASED ON THE BEST INFORMATION AVAILABLE. THE ENGINEER AND CONTRACTOR SHALL IDENTIFY AND REPAIR ALL CRACKS >=1/16" as described in the special PROVISIONS AT EACH BENT.

AVERAGE CONCRETE COVER IS EXPECTED TO BE FROM 2"TO 3" ON THE CAP AND FROM $1\frac{1}{2}$ " TO 2" ON THE PILES. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING EXCAVATION AND DEMOLITION.

FOR CONCRETE AND SHOTCRETE REPAIRS, SEE "CONCRETE RESTORATION DETAILS" SHEETS.

SHOTCRETE REPAIRS MAY BE REPLACED WITH CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

REPAIRS TO THE BENT CAP MAY REQUIRE BRIDGE JACKING.FOR BRIDGE JACKING, SEE SPECIAL PROVISIONS.

FOR EPOXY COATING, SEE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS SECTION 420-18.

		PROJEC Bridge	DAR	Ē	<u>BPR</u> 2 cc 70012	UNTY
	Docusiented by: CARO June Docusiented by: CA	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE REPAIRS				
	KCA	BENT 72				
	KISINGER CAMPO	REVISIONS				SHEET NO.
RED	& ASSOCIATES	NO. BY:	DATE:	NO. BY:	DATE:	S-137
	301 FAYETTEVILLE ST., SUITE 1500 RALEIGH, NC 27601 (919) 882-7839	1		3		TOTAL SHEETS
ED	NC FIRM LICENSE: C-1506	2		4		137