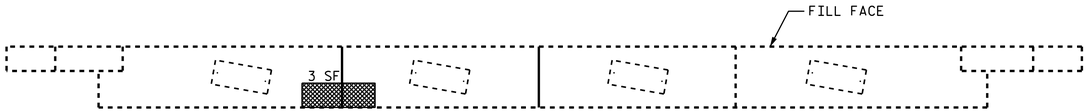
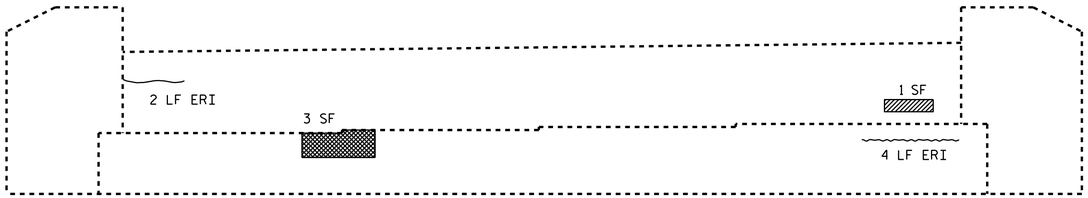
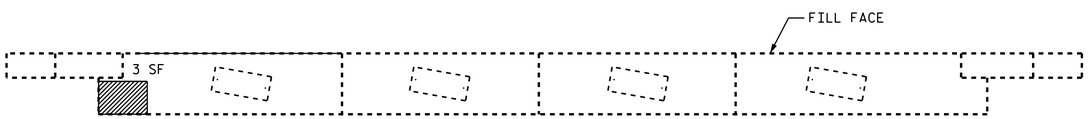


PLAN

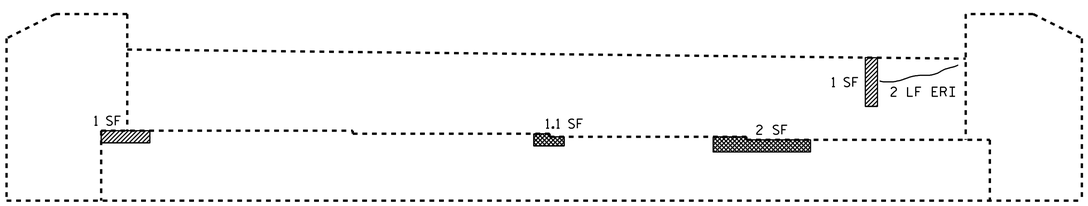


ELEVATION
LOOKING AT FRONT FACE

END BENT 1



PLAN



ELEVATION
LOOKING AT FRONT FACE

END BENT 2

NOTES:

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

FOR STRUCTURE REPAIRS, SEE "TYPICAL CAP AND COLUMN REPAIR DETAILS" SHEET.

EPOXY COATING SHALL BE APPLIED TO THE TOP FACE OF THE END BENT CAP.

CONCRETE REPAIR

SHOTCRETE REPAIR

ERI – EPOXY RESIN INJECTION

REPAIR QUANTITY TABLE

REPAIRS END BENT 1	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SF.	VOLUME CF.	AREA SF.	VOLUME CF.
CAP (VERTICAL FACE)	0.0	0.0		
CAP (HORIZONTAL FACE)	0.0	0.0		
CURTAIN WALL	1.0	0.3		
CONCRETE REPAIRS	6.0	1.5		
EPOXY RESIN INJECTION		LN. FT.		LN. FT.
CAP		4.0		
CURTAIN WALL		2.0		
EPOXY COATING		SQ. FT.		SQ. FT.
TOP OF CAP		48.0		

REPAIRS END BENT 2	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SF.	VOLUME CF.	AREA SF.	VOLUME CF.
CAP (VERTICAL FACE)	1.0	0.3		
CAP (HORIZONTAL FACE)	3.0	0.8		
CURTAIN WALL	1.0	0.3		
CONCRETE REPAIRS	3.1	0.8		
EPOXY RESIN INJECTION		LN. FT.		LN. FT.
CAP		0.0		
CURTAIN WALL		2.0		
EPOXY COATING		SQ. FT.		SQ. FT.
TOP OF CAP		48.0		

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 1" CL TO SAWCUT. SEE REPAIR DETAILS.

PROJECT NO. I-0914BB
WARREN COUNTY
BRIDGE NO.: 40

NORTH CAROLINA PROFESSIONAL SEAL 16301 ENGINEER TING HSIUNG FANG

DocuSigned by: Ting H. Fang
E7208840097743...
12/18/2014

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE REPAIR
END BENTS 1 & 2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SP-14
1			3			TOTAL SHEETS
2			4			28

DRAWN BY : E.I. OMILE DATE : 10/2013
CHECKED BY : T. KIRSCHBAUM DATE : 10/2013
DESIGN ENGINEER OF RECORD: DATE :

17-DEC-2014 10:05
K:\TIPProjects-I\I0914BB\Structures\Preservation\FinalPlans\bdg40_prep_planf.dgn
tfang