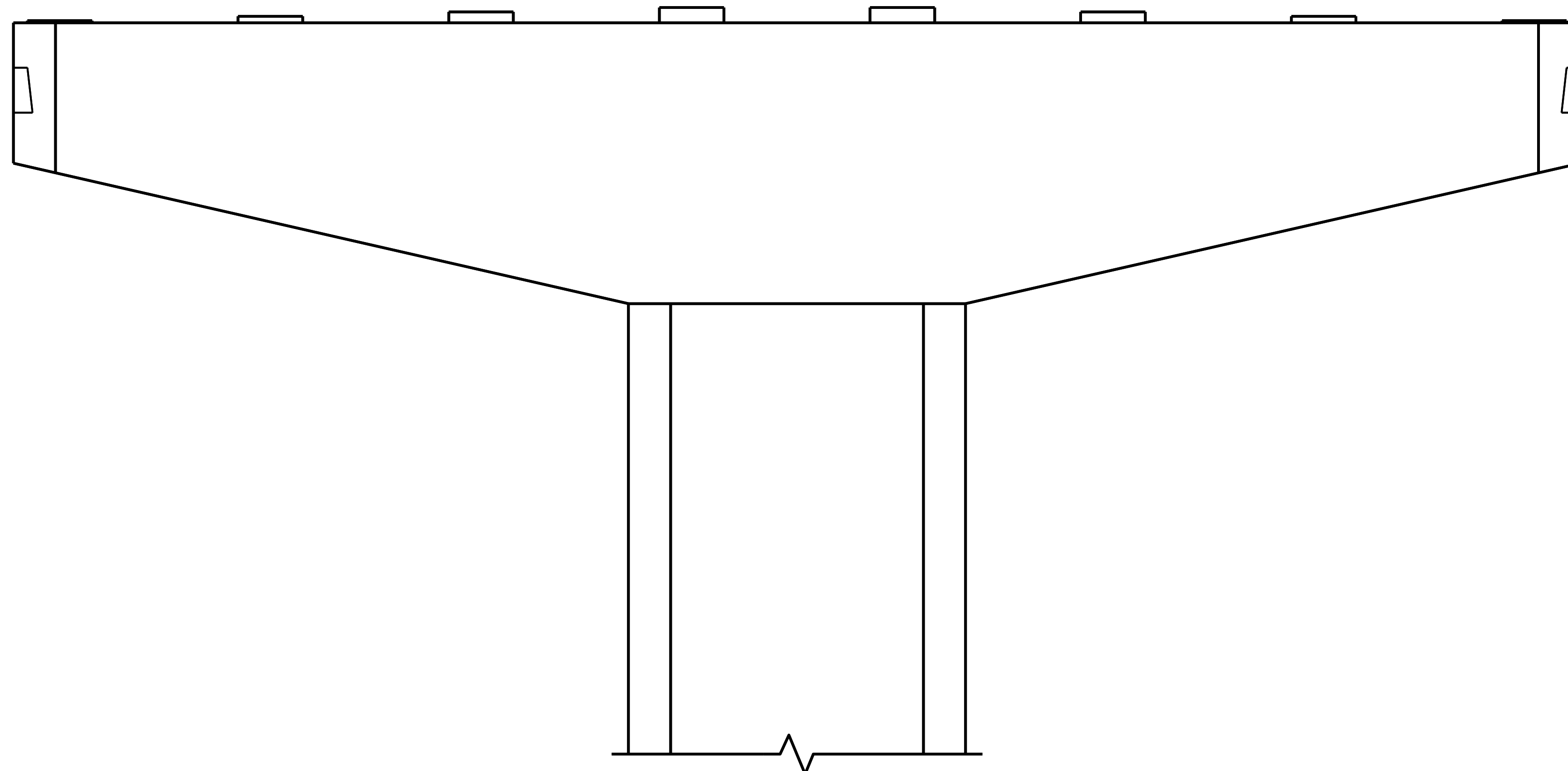


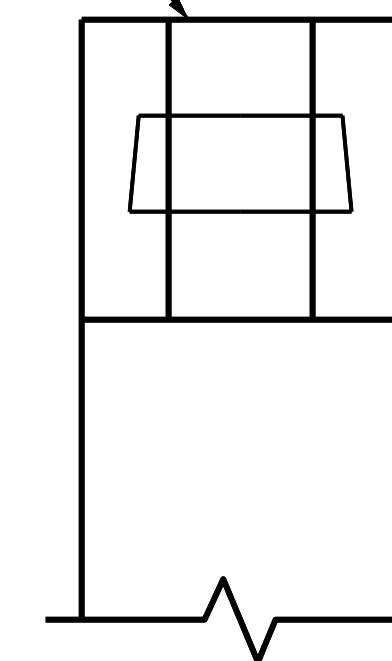
TOP OF CAP



ELEVATION

SPAN A | SPAN B

EPOXY COATING (TYP. EA. END)



END VIEW

AS-BUILT REPAIR QUANTITY TABLE

BENT 1 SPAN A FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
SHOTCRETE REPAIRS				
CAP	0.0	0.0		
COLUMN	0.0	0.0		
CONCRETE REPAIRS				
CAP	0.0	0.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.		LIN. FT.
CAP		0.0		
COLUMN		0.0		
EPOXY COATING		SO. FT.		
ENDS OF CAP		204.0		

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 SD-01.

NOTES

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN BASED ON 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 ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

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

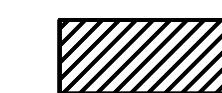
EPOXY COATING SHALL BE APPLIED AT ENDS OF CAP AND SHALL INCLUDE 3" MINIMUM TO TOP AND BOTTOM OF CAP.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.



SHOTCRETE REPAIR AREA



CONCRETE REPAIR AREA



ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



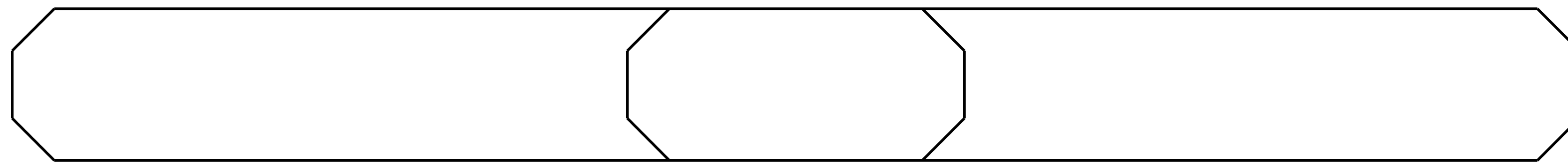
DocuSigned by:
Amber M. Lee
03/18/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**BENT 1
 SPAN A FACE**

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

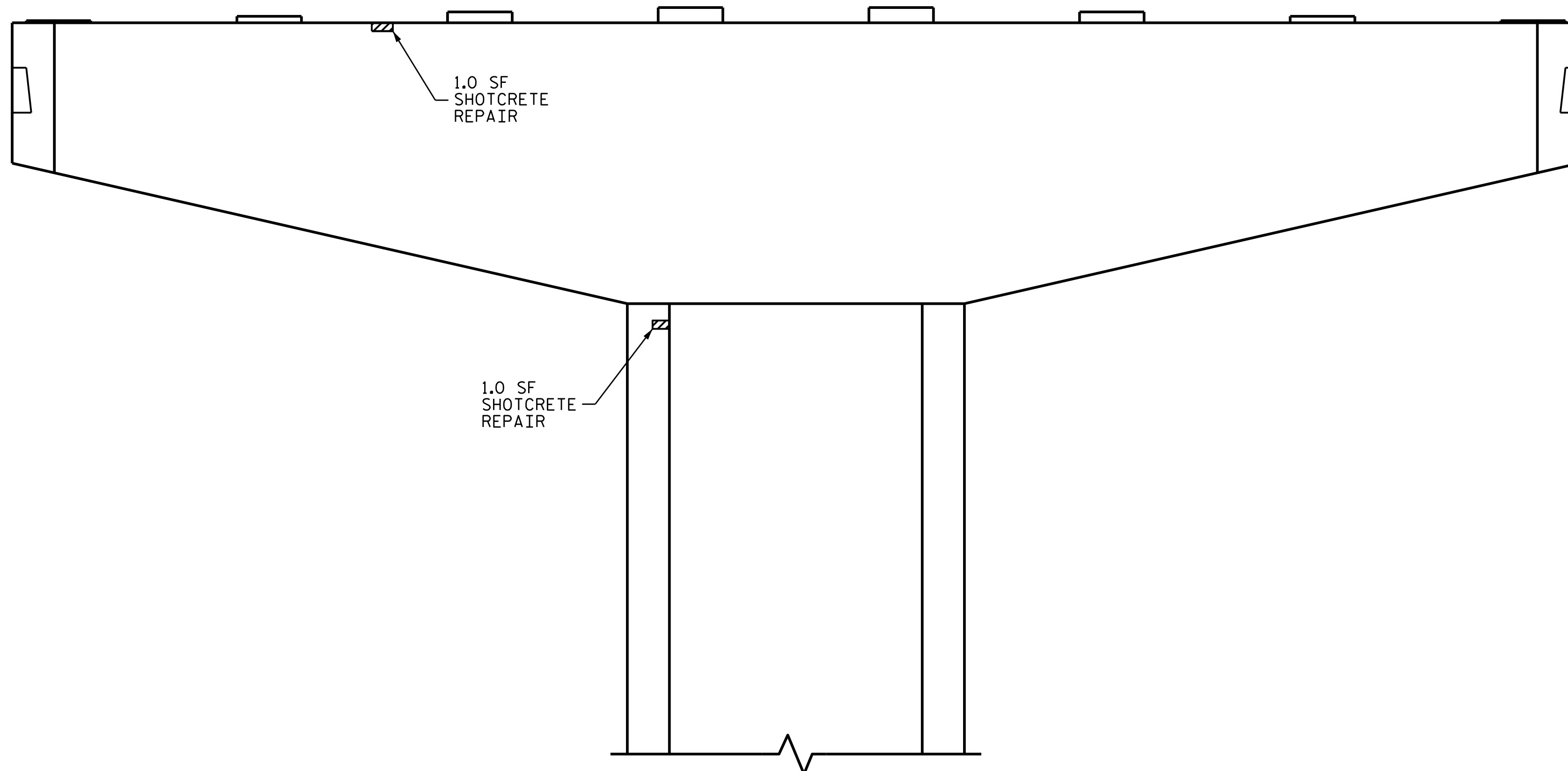
DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S3-16
2			4			TOTAL SHEETS 24



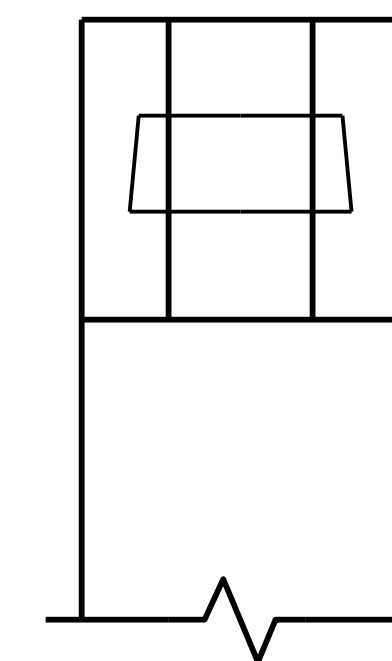
BOTTOM OF CAP

SPAN B
SPAN A



ELEVATION

SPAN B | SPAN A



END VIEW

AS-BUILT REPAIR QUANTITY TABLE

BENT 1 SPAN B FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	1.0	0.5		
COLUMN	1.0	0.5		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.	LIN. FT.	
CAP		0.0		
COLUMN		0.0		

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 SD-01.

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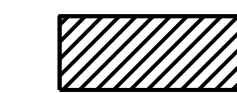
SHOTCRETE REPAIRS MAYBE SUBSTITUTED IN LIEU OF CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

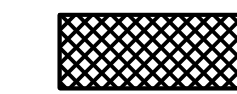
FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.



SHOTCRETE REPAIR AREA

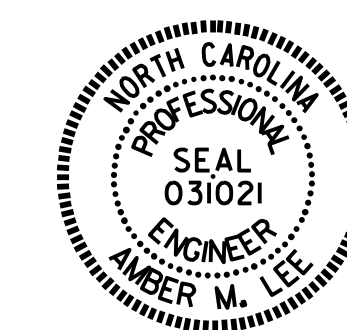


CONCRETE REPAIR AREA



ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



DocuSigned by:
 Amber M. Lee
 03/18/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**BENT 1
 SPAN B FACE**

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S3-17
2			4			TOTAL SHEETS 24

AS-BUILT REPAIR QUANTITY TABLE

BENT 2 SPAN B FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	4.1	2.1		
COLUMN	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	3.0	1.5		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.		LIN. FT.
CAP		6.5		
COLUMN		0.0		
EPOXY COATING		SO. FT.		
ENDS OF CAP		204.0		

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 SD-01.

NOTES

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

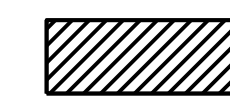
EPOXY COATING SHALL BE APPLIED AT ENDS OF CAP AND SHALL INCLUDE 3" MINIMUM TO TOP AND BOTTOM OF CAP.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

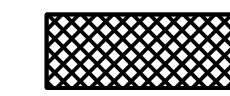
FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.



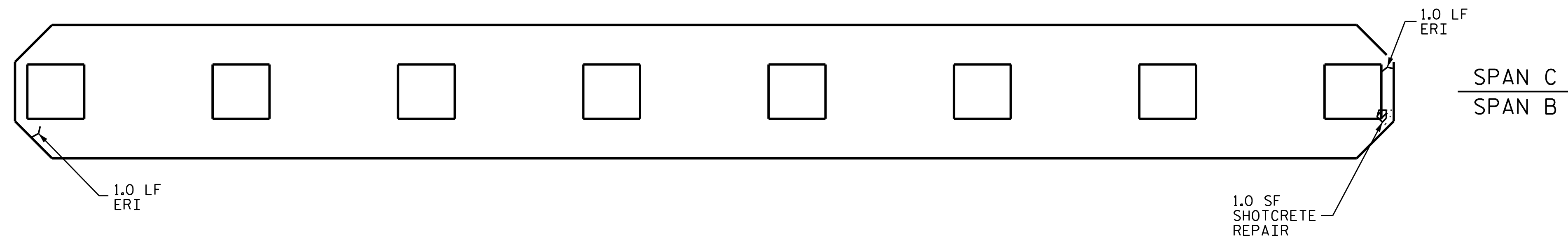
SHOTCRETE REPAIR AREA



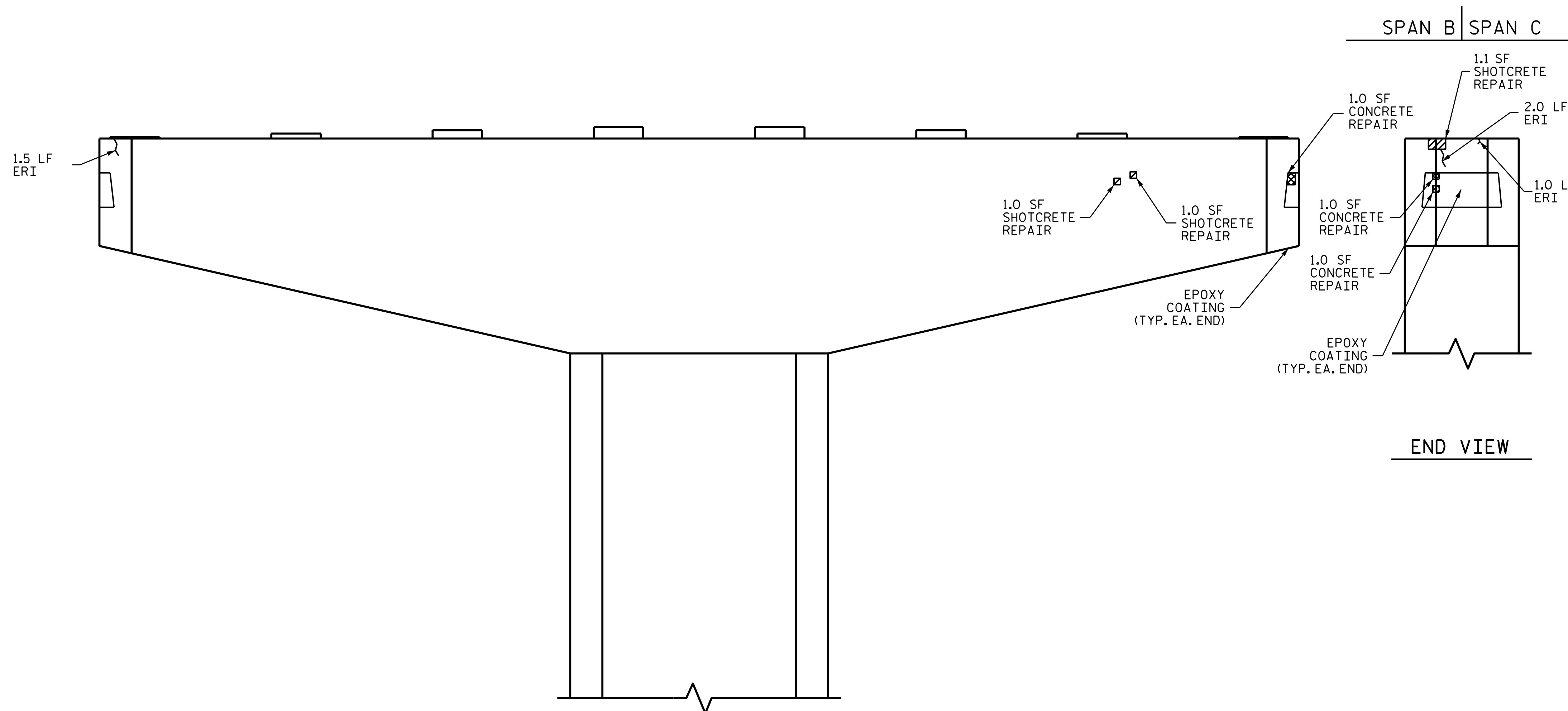
CONCRETE REPAIR AREA



ERI - EPOXY RESIN INJECTION



TOP OF CAP



ELEVATION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



DocuSigned by:
 Amber M. Lee
 03/18/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BENT 2
 SPAN B FACE

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

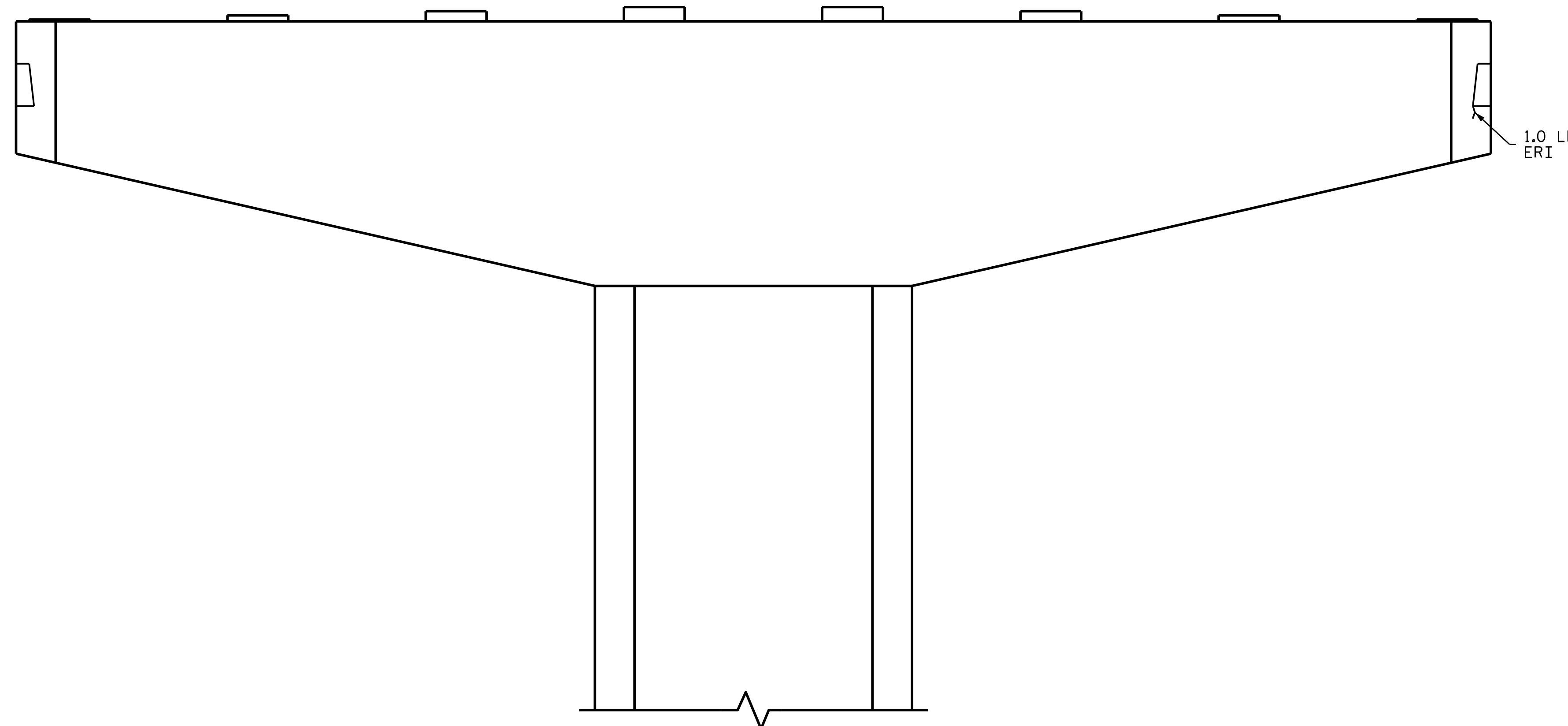
DOCUMENT NOT CONSIDERED
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 SIGNATURES COMPLETED

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NO.	BY:	DATE:	NO.	BY:	DATE:	
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2			4			TOTAL SHEETS 24



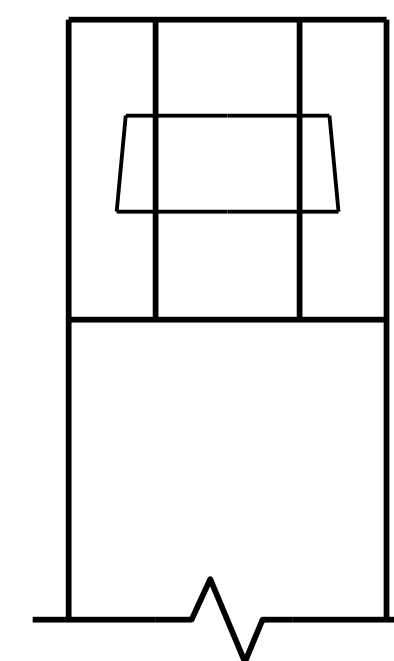
SPAN C
SPAN B

BOTTOM OF CAP



ELEVATION

SPAN C | SPAN B



END VIEW

1.0 LF
ERI

AS-BUILT REPAIR QUANTITY TABLE

BENT 2 SPAN C FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.	LIN. FT.	
CAP		1.0		
COLUMN		0.0		

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 SD-01.

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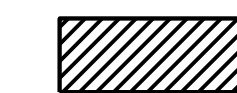
SHOTCRETE REPAIRS MAYBE SUBSTITUTED IN LIEU OF CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.



SHOTCRETE REPAIR AREA

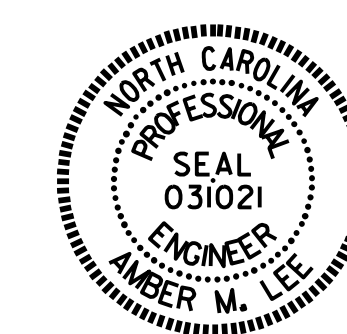


CONCRETE REPAIR AREA



ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



DocuSigned by:
Amber M. Lee
03/18/2022

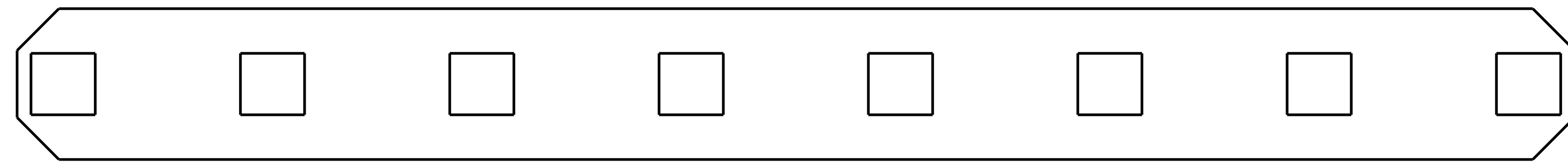
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BENT 2
 SPAN C FACE

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

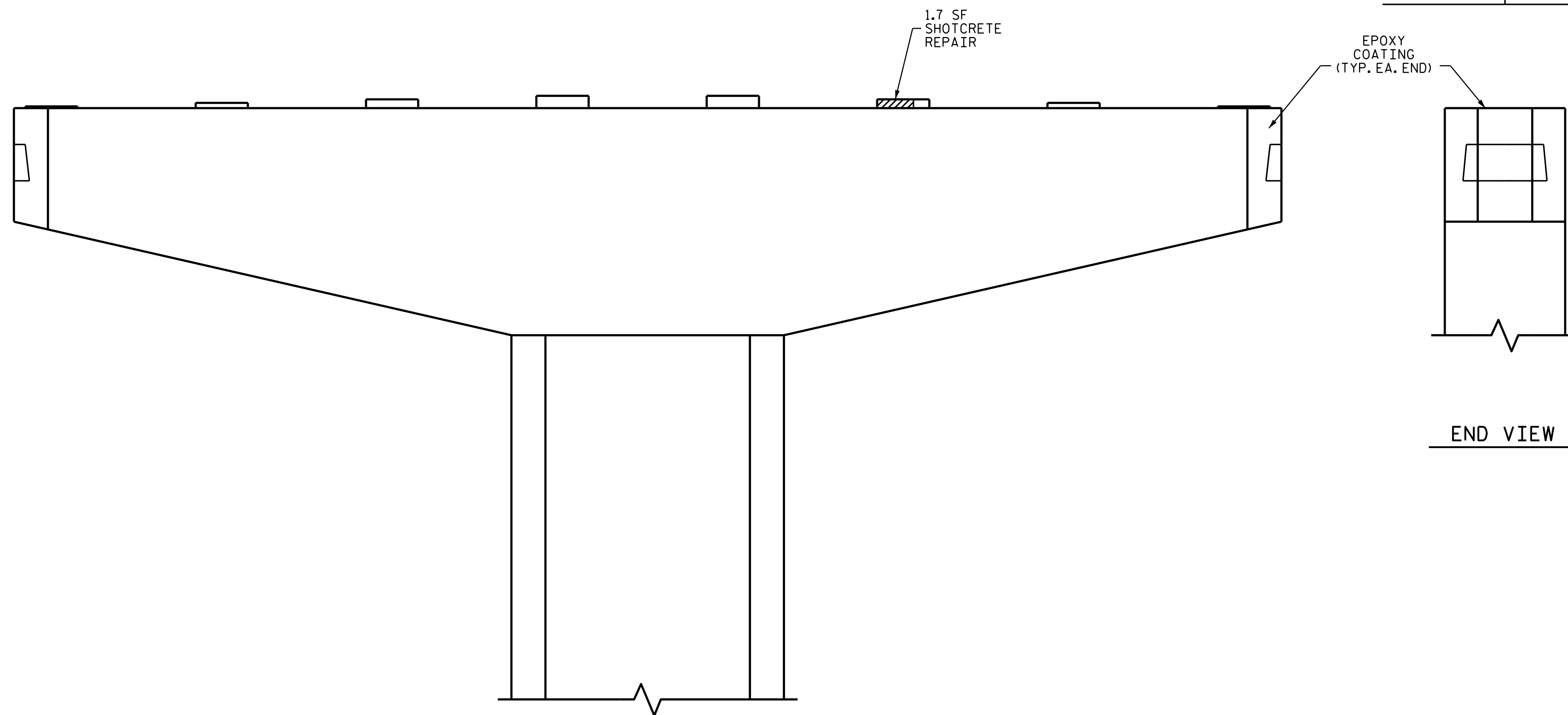
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-19
1			3			TOTAL SHEETS
2			4			24



SPAN D
SPAN C

TOP OF CAP



SPAN C | SPAN D

END VIEW

ELEVATION

AS-BUILT REPAIR QUANTITY TABLE

BENT 3 SPAN C FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	1.7	0.9		
COLUMN	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.	LIN. FT.	
CAP		0.0		
COLUMN		0.0		
EPOXY COATING		SO. FT.		
ENDS OF CAP		204.0		

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 SD-01.

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

EPOXY COATING SHALL BE APPLIED AT ENDS OF CAP AND SHALL INCLUDE 3" MINIMUM TO TOP AND BOTTOM OF CAP.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

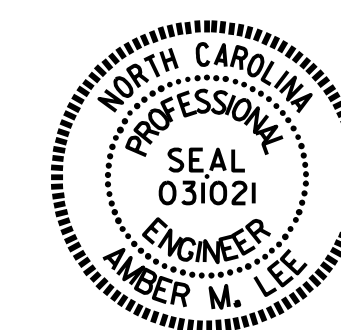
FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.

SHOTCRETE REPAIR AREA

CONCRETE REPAIR AREA

ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



DocuSigned by:
 Amber M. Lee
 996644629404
 03/18/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

 BENT 3
 SPAN C FACE

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

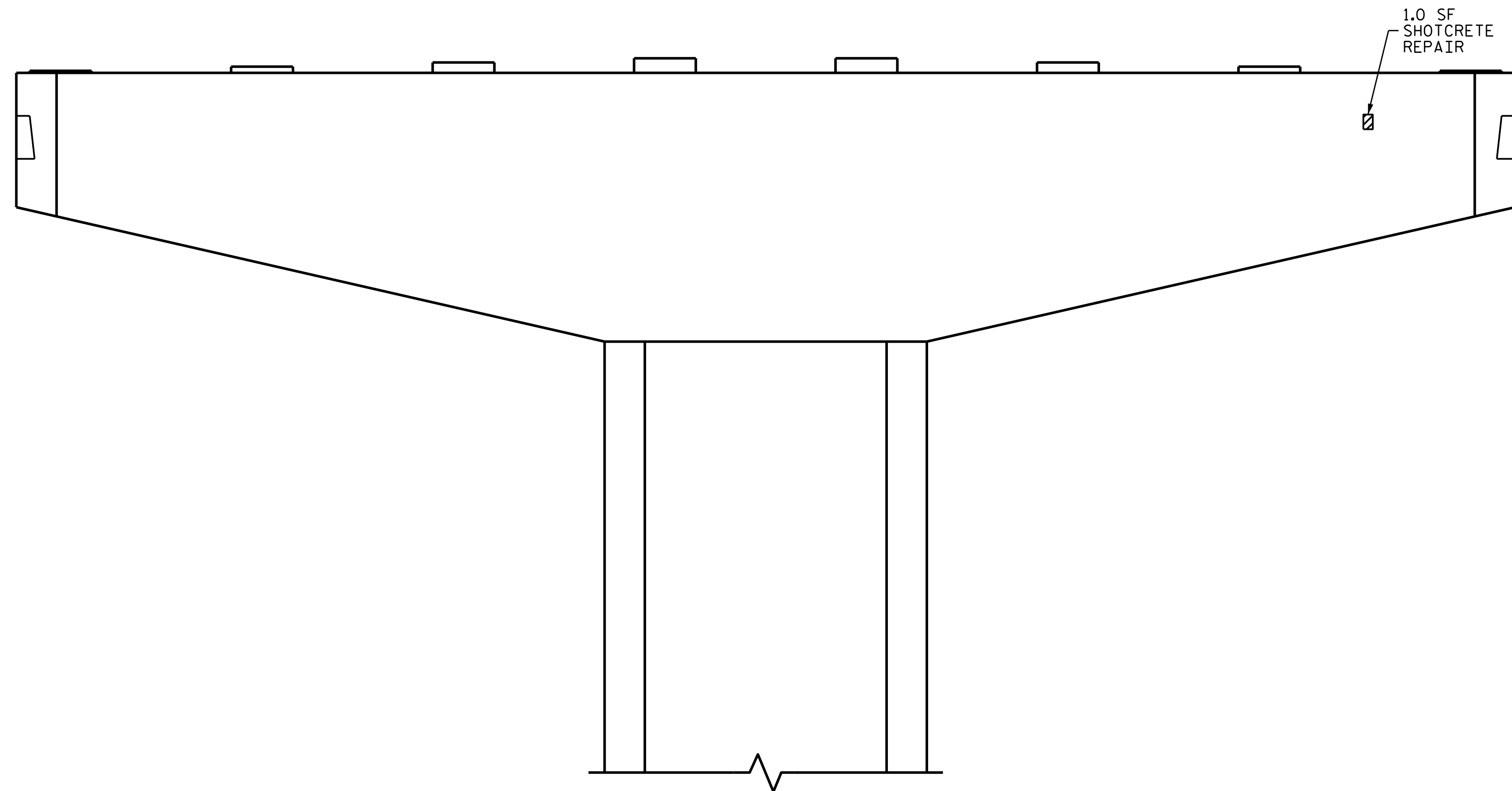
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 SIGNATURES COMPLETED

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2			4			TOTAL SHEETS 24

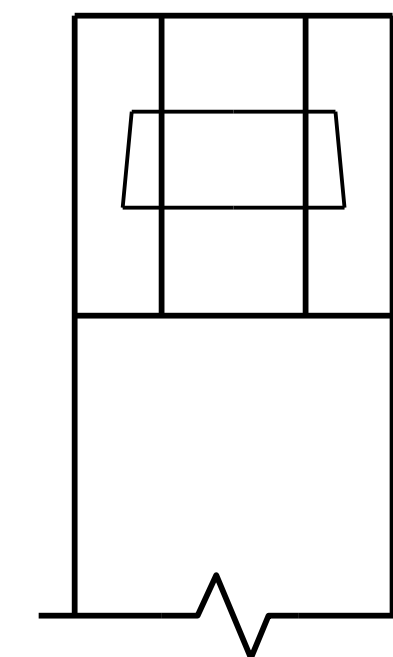


SPAN D
SPAN C

BOTTOM OF CAP



SPAN D | SPAN C



END VIEW

ELEVATION

AS-BUILT REPAIR QUANTITY TABLE

BENT 3 SPAN D FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	1.0	0.5		
COLUMN	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.	LIN. FT.	
CAP		0.0		
COLUMN		0.0		

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 SD-01.

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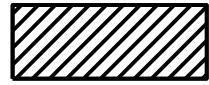
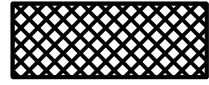
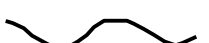
SHOTCRETE REPAIRS MAYBE SUBSTITUTED IN LIEU OF CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

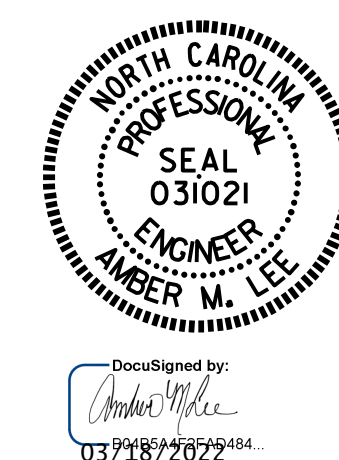
FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.

-  SHOTCRETE REPAIR AREA
-  CONCRETE REPAIR AREA
-  ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



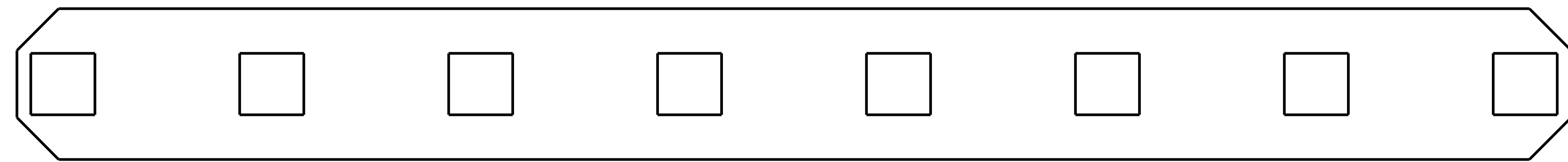
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**BENT 3
 SPAN D FACE**

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

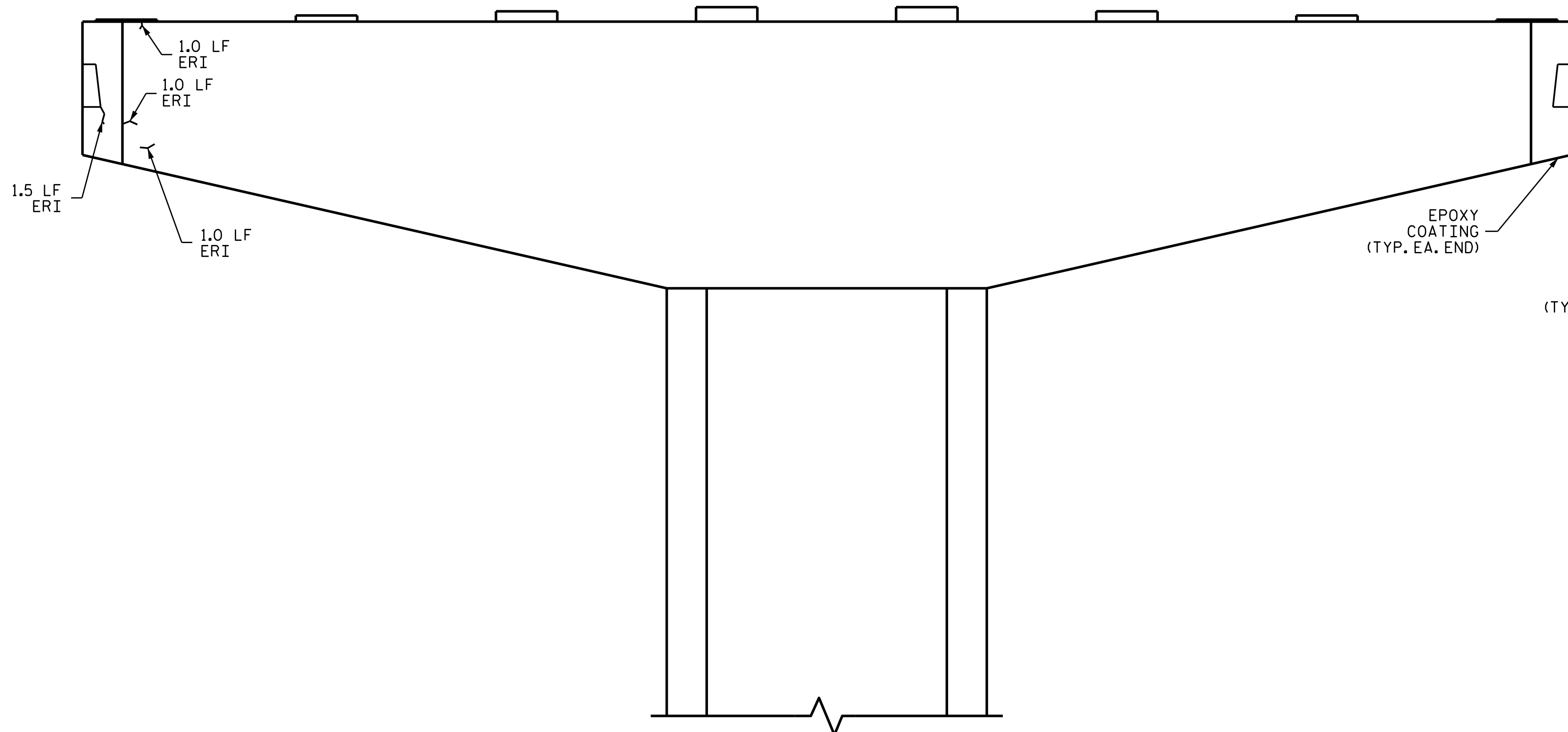
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-21
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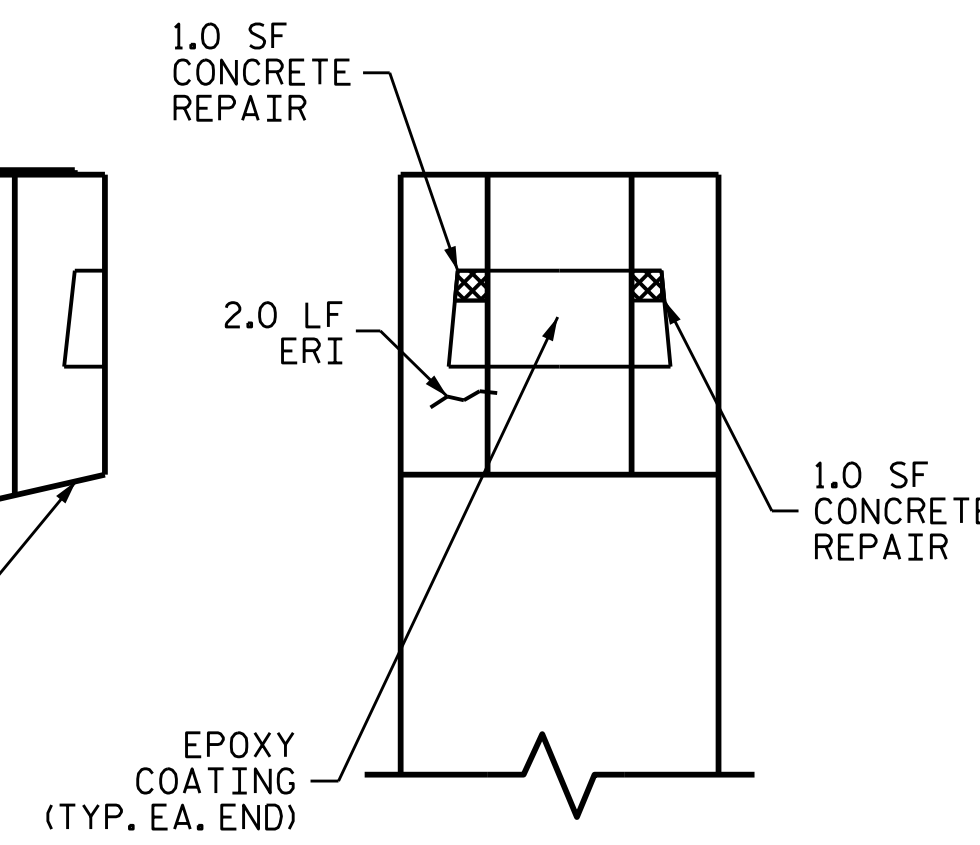
SPAN E
SPAN D

TOP OF CAP



ELEVATION

SPAN D | SPAN E



END VIEW

AS-BUILT REPAIR QUANTITY TABLE

BENT 4 SPAN D FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
SHOTCRETE REPAIRS				
CAP	0.0	0.0		
COLUMN	0.0	0.0		
CONCRETE REPAIRS				
CAP	2.0	1.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.		LIN. FT.
CAP		6.5		
COLUMN		0.0		
EPOXY COATING		SO. FT.		
ENDS OF CAP		204.0		

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 SD-01.

NOTES

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EPOXY COATING SHALL BE APPLIED AT ENDS OF CAP AND SHALL INCLUDE 3" MINIMUM TO TOP AND BOTTOM OF CAP.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

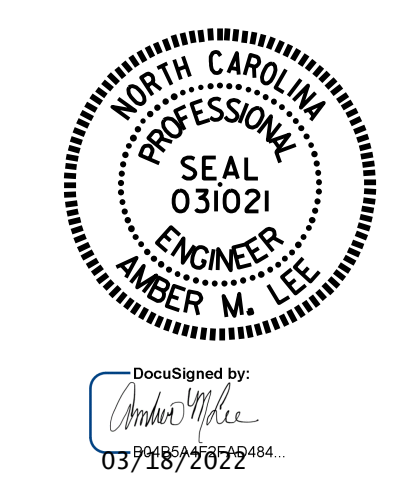
FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AN COLUMN REPAIR DETAILS," SEE SHEET SD-01.

- SHOTCRETE REPAIR AREA
- CONCRETE REPAIR AREA
- ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**BENT 4
 SPAN D FACE**

DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

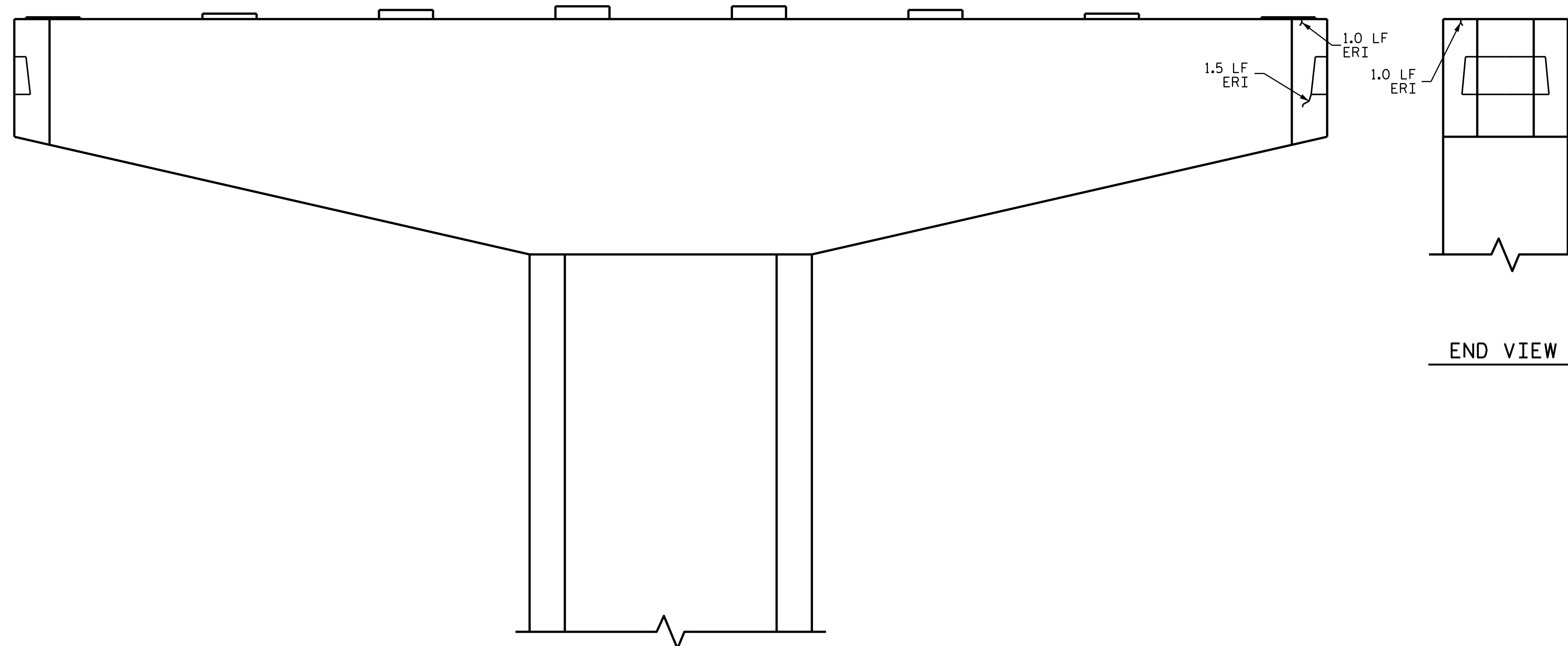
DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S3-22
2			4			TOTAL SHEETS 24



SPAN E
SPAN D

BOTTOM OF CAP



END VIEW

ELEVATION

AS-BUILT REPAIR QUANTITY TABLE

BENT 4 SPAN E FACE	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
COLUMN	0.0	0.0		
EPOXY RESIN INJECTION		LIN. FT.	LIN. FT.	
CAP		3.5		
COLUMN		0.0		

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 SD-01.

NOTES

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN BASED ON 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 ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

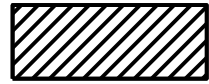
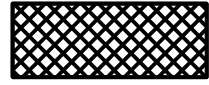
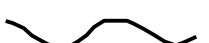
SHOTCRETE REPAIRS MAYBE SUBSTITUTED IN LIEU OF CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.

-  SHOTCRETE REPAIR AREA
-  CONCRETE REPAIR AREA
-  ERI - EPOXY RESIN INJECTION

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



DocuSigned by:
Amber M. Lee
03/18/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BENT 4
 SPAN E FACE

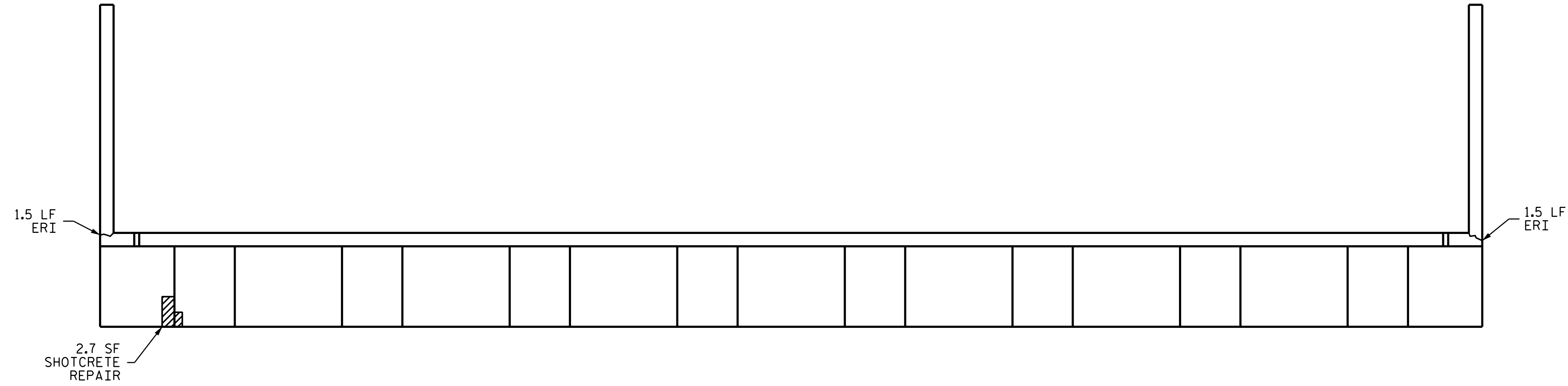
DRAWN BY : C. BRIGHT DATE : 05/2019
 CHECKED BY : A. M. LEE DATE : 03/2019

DOCUMENT NOT CONSIDERED
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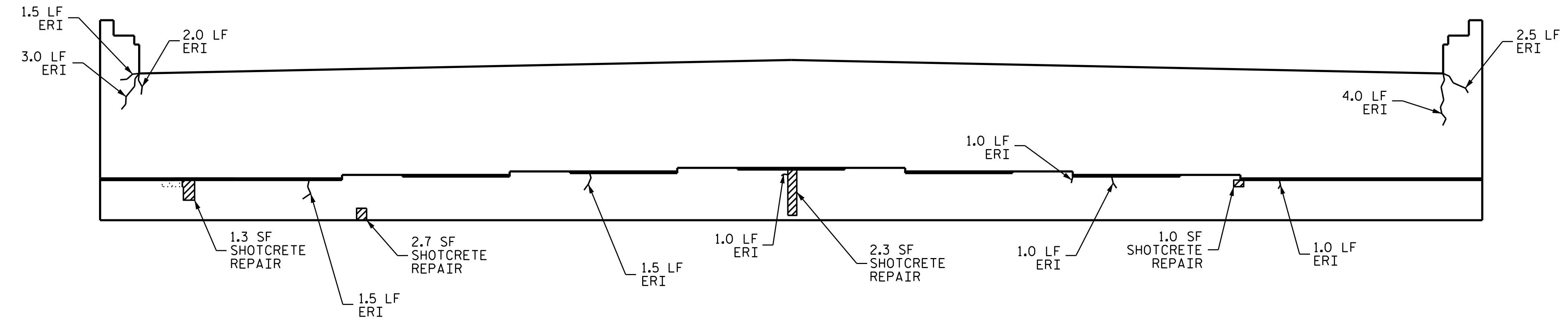
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-23
1			3			TOTAL SHEETS
2			4			24

AS-BUILT REPAIR QUANTITY TABLE

END BENT 2	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	10.0	5.0		
CURTAIN WALL	0.0	0.0		
WING WALL	0.0	0.0		
CONCRETE REPAIRS	AREA SQ. FT.	VOLUME CU. FT.	AREA SQ. FT.	VOLUME CU. FT.
CAP	0.0	0.0		
CURTAIN WALL	0.0	0.0		
WING WALL	0.0	0.0		
EPOXY RESIN INJECTION	LIN. FT.		LIN. FT.	
CAP	7.0			
CURTAIN WALL	6.0			
WING WALL	10.0			
EPOXY COATING	SQ. FT.		SQ. FT.	
CAP	630.0			



PLAN
(END BENT 2)



ELEVATION
(END BENT 2)

NOTES

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN BASED ON 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 ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

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

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

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

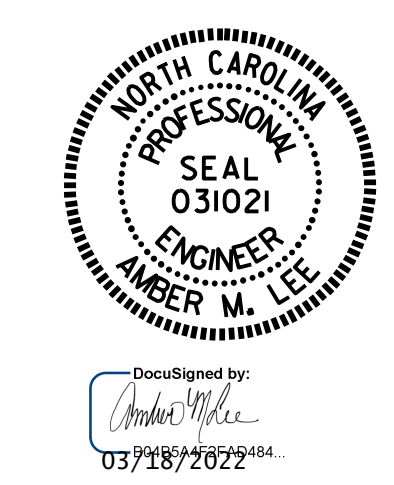
FOR CONCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR "TYPICAL CAP AND COLUMN REPAIR DETAILS," SEE SHEET SD-01.

- SHOTCRETE REPAIR AREA
- CONCRETE REPAIR AREA
- ERI - EPOXY RESIN INJECTION

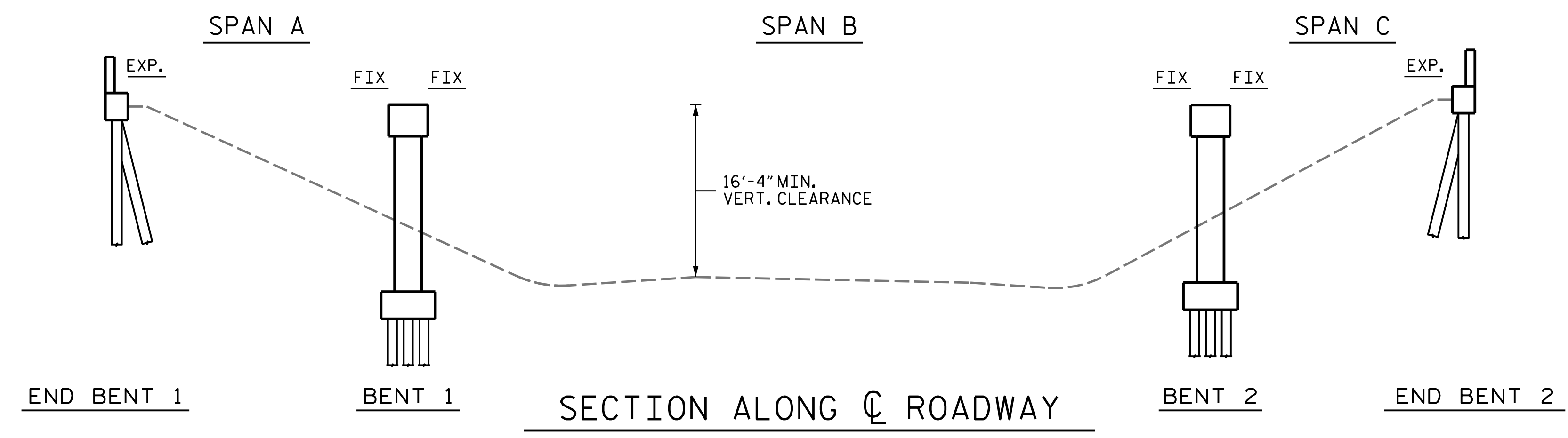
PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560547



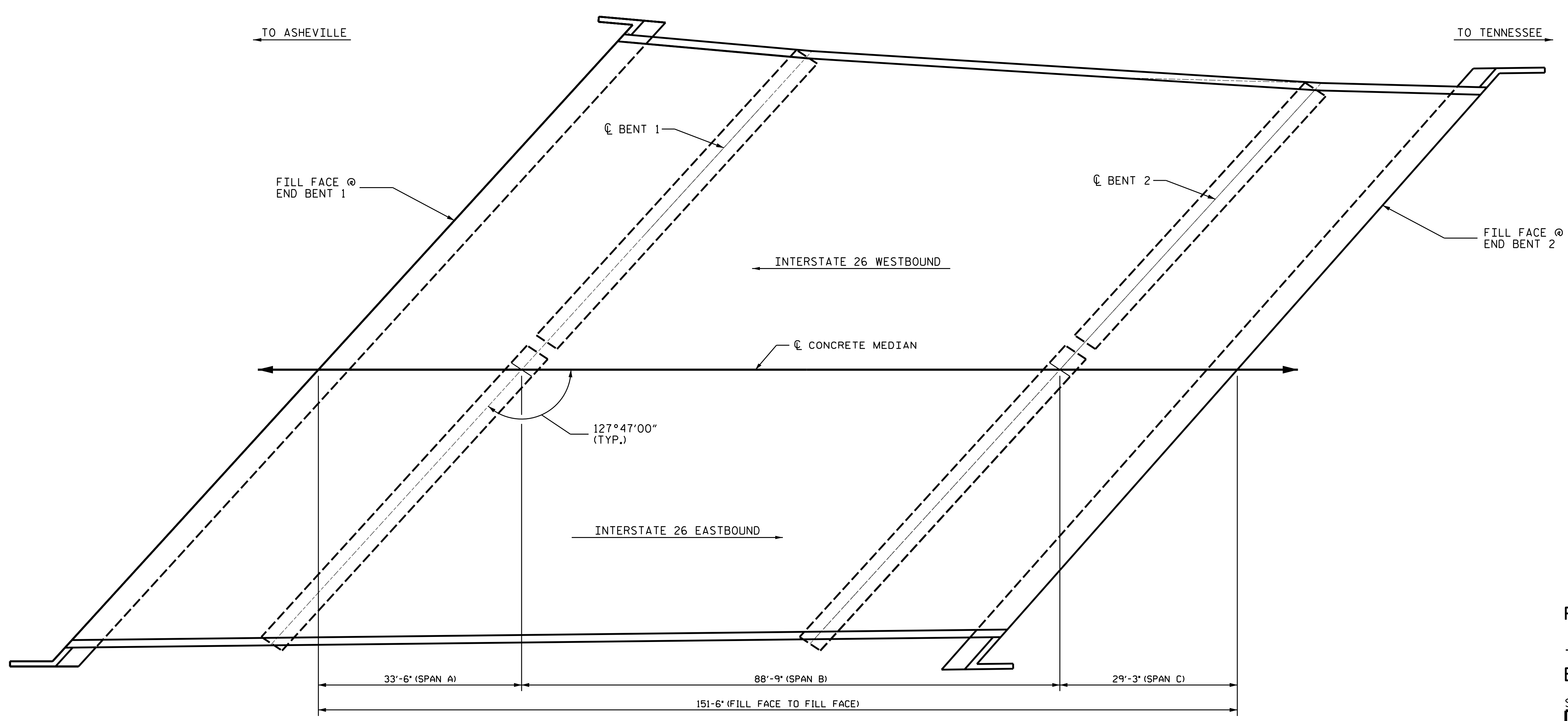
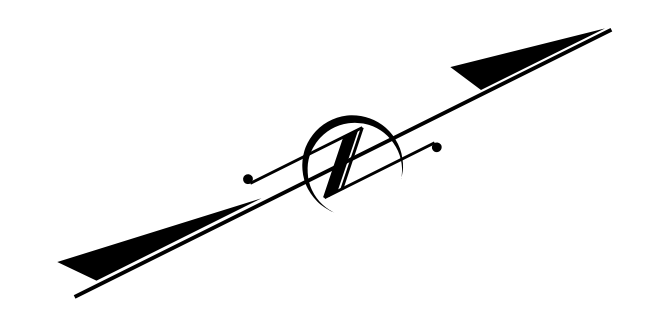
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
END BENT 2

DRAWN BY : CL BRIGHT DATE : 04/2019
 CHECKED BY : H. LOCKLEAR DATE : 02/2022

NO.	REVISIONS			NO.	REVISIONS			SHEET NO.
	BY:	DATE:			BY:	DATE:		
1				3			S3-24	
2				4			TOTAL SHEETS 24	



NOTES
 GENERAL DRAWING INFORMATION IS TAKEN FROM THE ORIGINAL PLANS AND THE ROUTINE INSPECTION REPORT DATED 08/04/2020.
 BRIDGE ORIENTATION CONFORMS TO THE ORIGINAL BRIDGE PLANS.



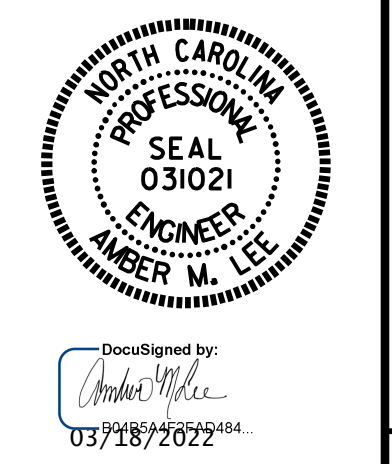
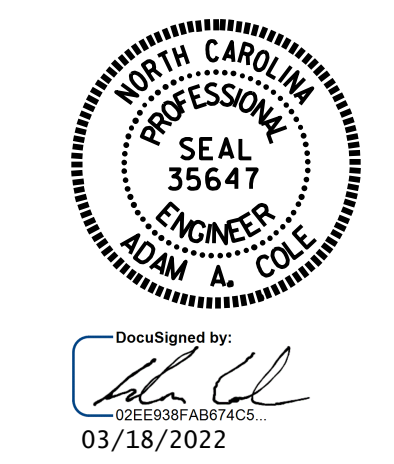
PLAN

SCOPE OF WORK

- PARTIALLY REMOVE BRIDGE DECK CONCRETE BY SCARIFICATION AND HYDRO-DEMOLITION METHODS.
- OVERLAY PREPARED BRIDGE DECK WITH LATEX MODIFIED CONCRETE - EARLY STRENGTH (LMC-ES).
- REMOVE EXISTING JOINT MATERIAL AND INSTALL FOAM JOINT SEALS.
- GROOVE LMC-ES BRIDGE DECK.
- REMOVE UNSOUND CONCRETE AND REBUILD EXISTING APPROACH SLAB CURBS

I HEREBY CERTIFY THAT THIS STRUCTURE WAS REHABILITATED ACCORDING TO THESE PLANS OR AS NOTED HEREIN.

RESIDENT ENGINEER _____ DATE _____



PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560548

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON
 INTERSTATE 26
 OVER SR 1636 / US 23
 (FLAG POND RD.)

DRAWN BY : M. ALINAGHIAN DATE : 07/2019
 CHECKED BY : J. A. TILLMAN DATE : 02/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-01
1			3			TOTAL SHEETS
2			4			6



LOCATION SKETCH

INFORMATION INDICATED ON THE LOCATION SKETCH SHALL BE CONSIDERED GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL CONFIRM, THROUGH OTHER SOURCES, SPECIFIC INFORMATION REGARDING BRIDGES, ROADWAYS, UTILITIES, THE SURROUNDING AREA, AND ANY OTHER ASPECTS THAT MAY BE NECESSARY TO PERFORM AND COMPLETE THE PROJECT.

BRIDGE COORDINATES

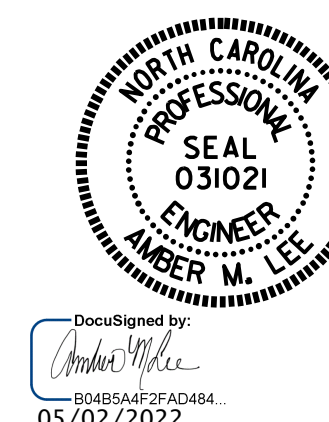
LAT: 35°-57'-11.96"
LONG: -82°33'-40.60"

NOTES

- EXISTING DIMENSIONS AND BRIDGE CONDITION ARE FROM THE BEST INFORMATION AVAILABLE.
- THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER.
- THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THAT SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS.
- WORK ON THE BRIDGES SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL BELOW. THE CONTRACTOR SHALL SUBMIT PLANS FOR CONSTRUCTION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.
- ANY DAMAGE TO EXISTING REINFORCING STEEL, DURING CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A COMPLETE SEQUENCE OF TASK FOR EACH OPERATION AFFECTING THE BRIDGE SURFACE AND/OR TRAFFIC.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- FOR TRAFFIC CONTROL AND LIMITS OF PHASING OF CONSTRUCTION, SEE TRAFFIC CONTROL SPECIAL PROVISIONS.
- EXISTING JOINTS AND DECK DRAINS SHALL BE SEALED PRIOR TO BEGINNING SURFACE PREPARATION OF BRIDGE DECK.
- FOR SCARIFYING BRIDGE DECK, HYDRO-DEMOLITION OF BRIDGE DECK, AND CLASS II SURFACE PREPARATION, SEE OVERLAY SURFACE PREPARATION SPECIAL PROVISION.
- THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE DECK DURING HYDRO-DEMOLITION.
- FOR PLACING AND FINISHING LATEX MODIFIED CONCRETE OVERLAY-EARLY STRENGTH (LMC-ES), SEE LATEX MODIFIED CONCRETE-EARLY STRENGTH SPECIAL PROVISIONS.
- LONGITUDINAL CONSTRUCTION JOINTS SHALL BE LOCATED ALONG THE CENTERLINE OR EDGE OF TRAVEL LANES.
- DURING CONSTRUCTION, BERMS OR APPROPRIATE MEASURES SHALL BE USED TO ENSURE HYDRO-DEMOLITION WATER DOES NOT MIGRATE INTO ACTIVE TRAVEL LANES.
- THE CONTRACTOR SHALL COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS, SEE LMC-ES OVERLAY SURFACE PREPARATION SPECIAL PROVISIONS.
- FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.
- FOR FOAM JOINT SEAL FOR PRESERVATION, SEE SPECIAL PROVISIONS.
- FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.
- FOR CURB REPAIR, SEE SPECIAL PROVISIONS.
- FOR VOLUMETRIC MIXER, SEE SPECIAL PROVISIONS.

PROJ. NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560548

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON
 INTERSTATE 26
 OVER SR 1636 / US 23
 (FLAG POND RD.)

DRAWN BY : M. ALINAGHIAN DATE : 07/2019
 CHECKED BY : J. A. TILLMAN DATE : 02/2022

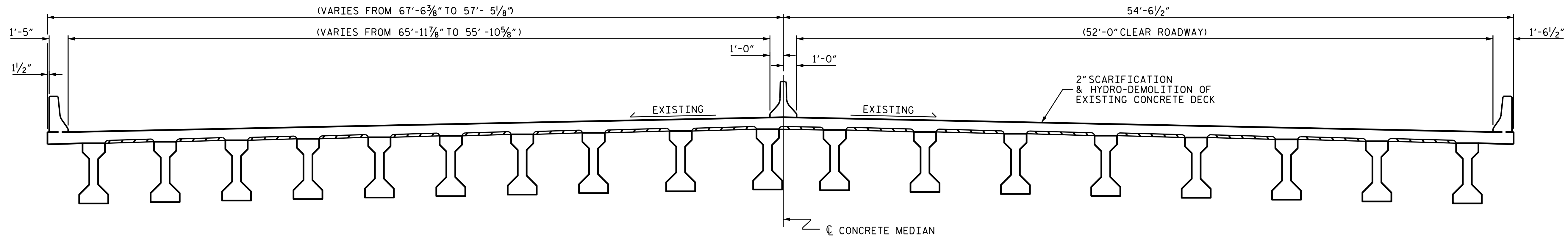
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-02
1			3			TOTAL SHEETS
2			4			6

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES

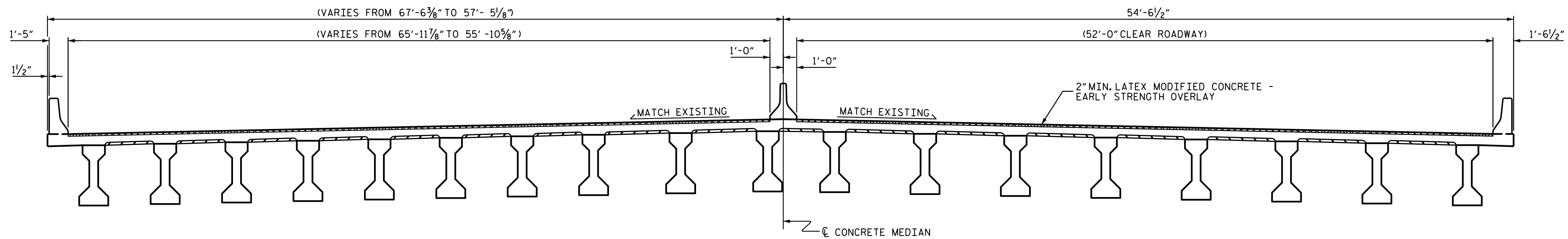
WHEN PREPARING THE SURFACE FOR LMC-ES OVERLAY ADJACENT TO THE PREVIOUSLY PLACED LMC-ES STAGE, THE PREVIOUSLY PLACED LMC-ES SHALL BE SAW-CUT TO THE FULL DEPTH OF THE LMC-ES AT THE CENTERLINE OF THE BRIDGE AND ALL LMC-ES IN THE 4" OVERLAP SHALL BE REMOVED WITH HAND TOOLS PRIOR TO PLACEMENT OF LMC-ES IN THE SECOND STAGE.

SEE TRAFFIC CONTROL SPECIAL PROVISIONS FOR LANE WIDTHS, SEQUENCING, AND OTHER TRAFFIC CONTROL MEASURES FOR STAGING OF OVERLAY SURFACE PREPARATION AND LMC-ES PLACEMENT.



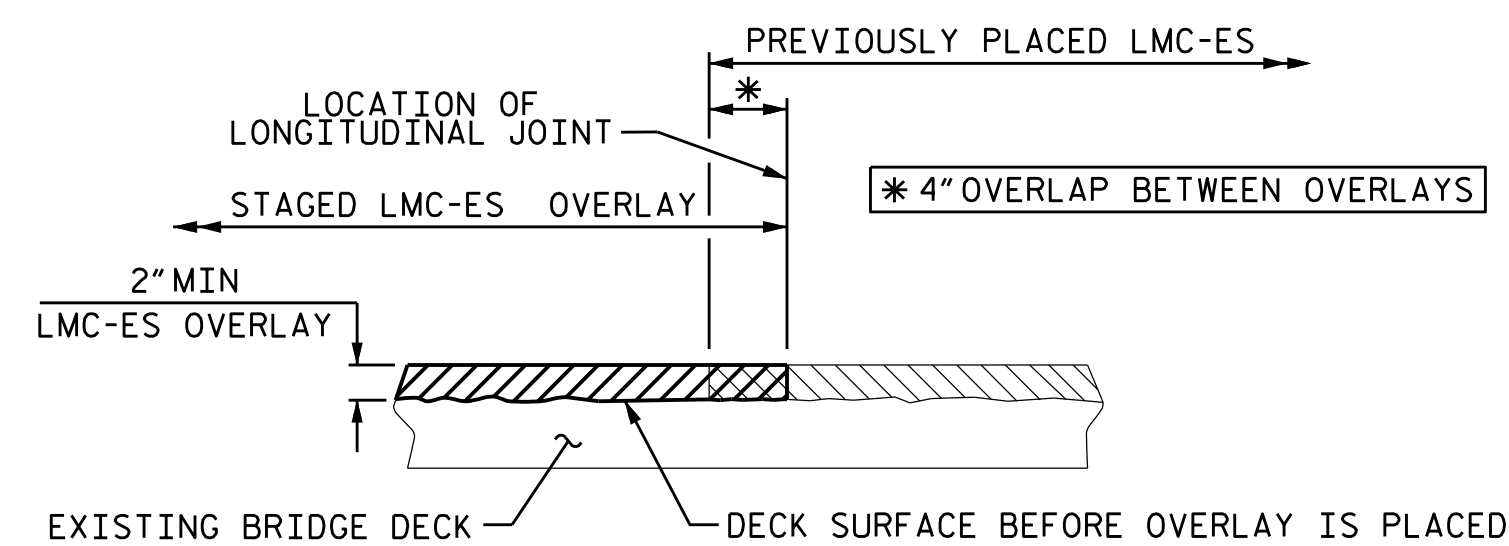
TYPICAL SECTION

(EXISTING ASPHALT WEARING SURFACE)



TYPICAL SECTION

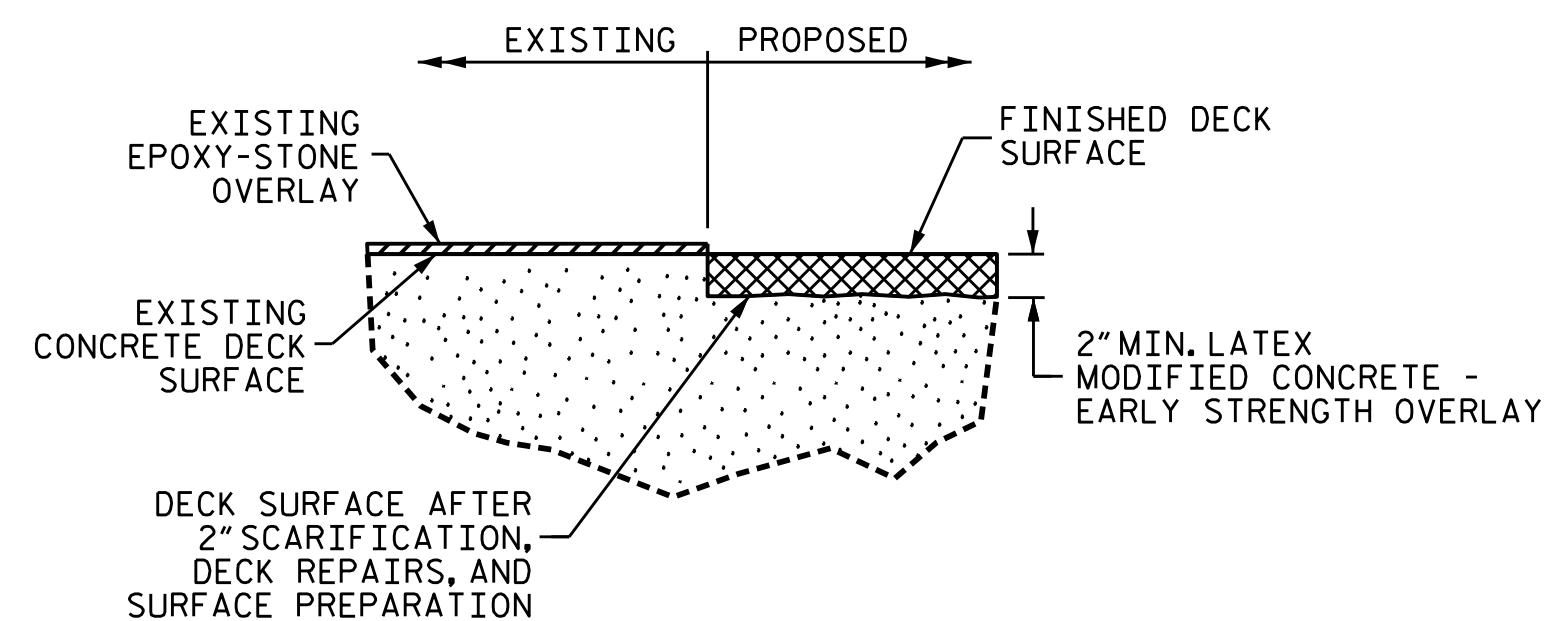
(PROPOSED LMC-ES WEARING SURFACE)



SECTION THRU DECK

STAGED LMC-ES OVERLAY JOINT

(AS NEEDED)



DETAIL FOR LMC-ES OVERLAY

(FINISHED SURFACE OF THE LATEX MODIFIED CONCRETE - EARLY STRENGTH OVERLAY IS APPROXIMATE)

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560548

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

TYPICAL SECTION



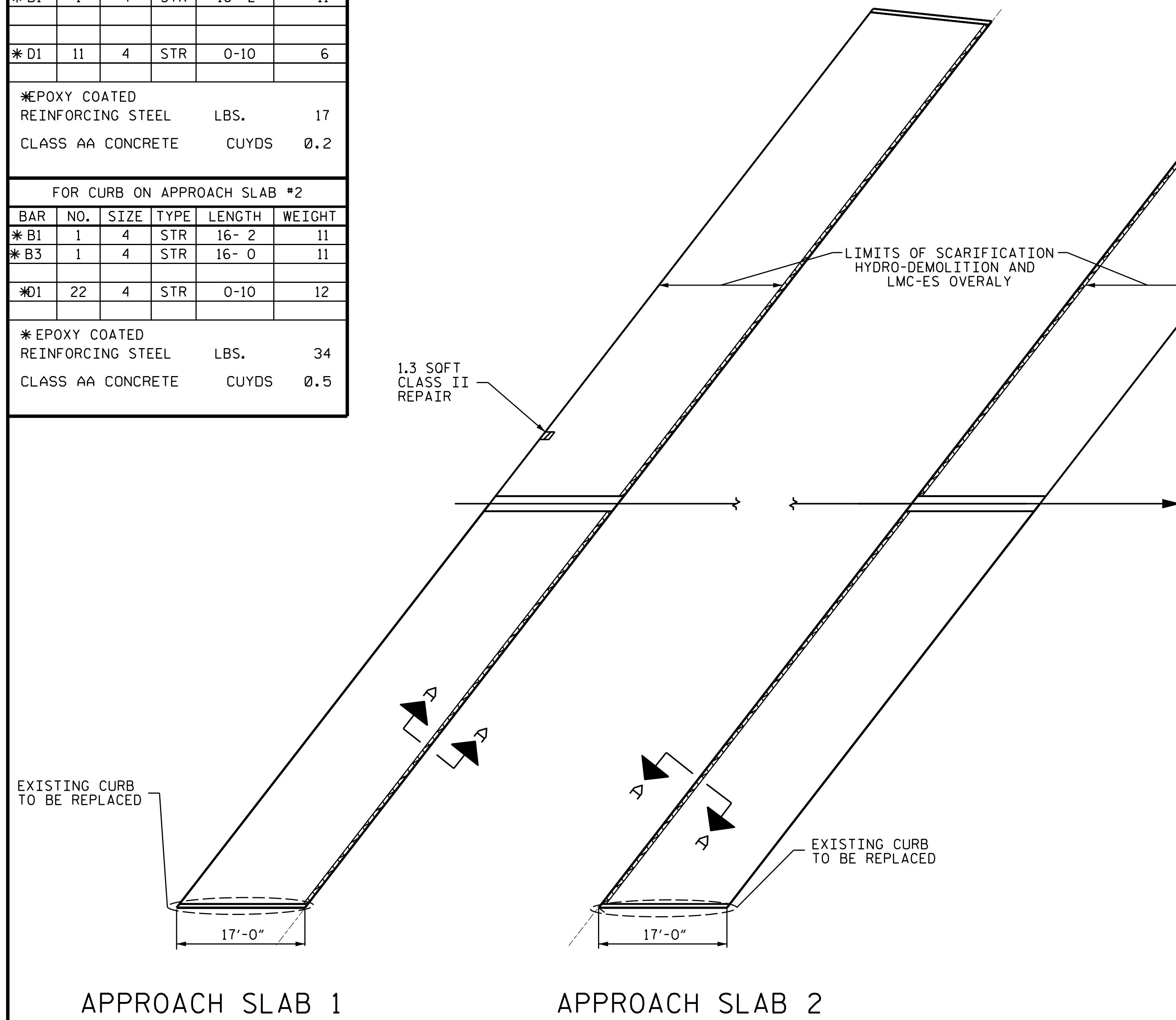
DocuSigned by:
 Amber M. Lee
 05/02/2022

DRAWN BY : CL BRIGHT DATE : 06/2019
 CHECKED BY : J. A. TILLMAN DATE : 02/2022

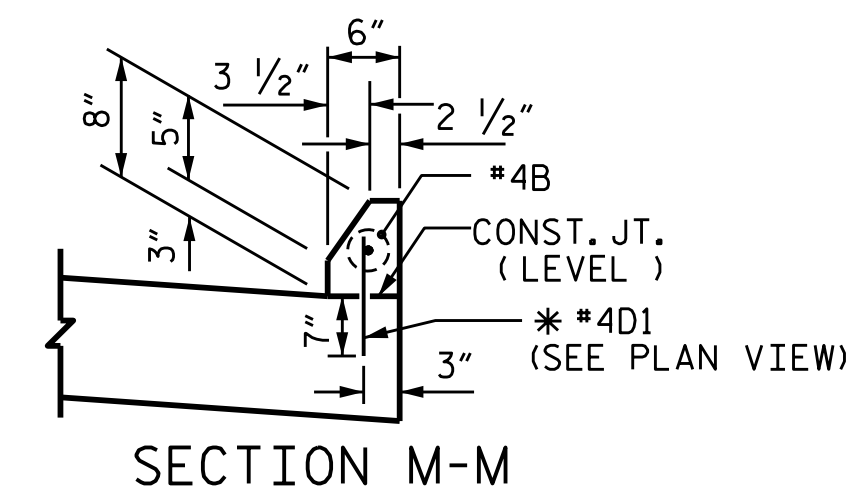
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S4-03
2			4			TOTAL SHEETS 6

BILL OF MATERIAL					
FOR CURB ON APPROACH SLAB #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	1	4	STR	16'-2"	11
*D1	11	4	STR	0-10	6
*EPOXY COATED REINFORCING STEEL				LBS.	17
CLASS AA CONCRETE				CUYDS	0.2
FOR CURB ON APPROACH SLAB #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	1	4	STR	16'-2"	11
*B3	1	4	STR	16'-0"	11
*D1	22	4	STR	0-10	12
*EPOXY COATED REINFORCING STEEL				LBS.	34
CLASS AA CONCRETE				CUYDS	0.5

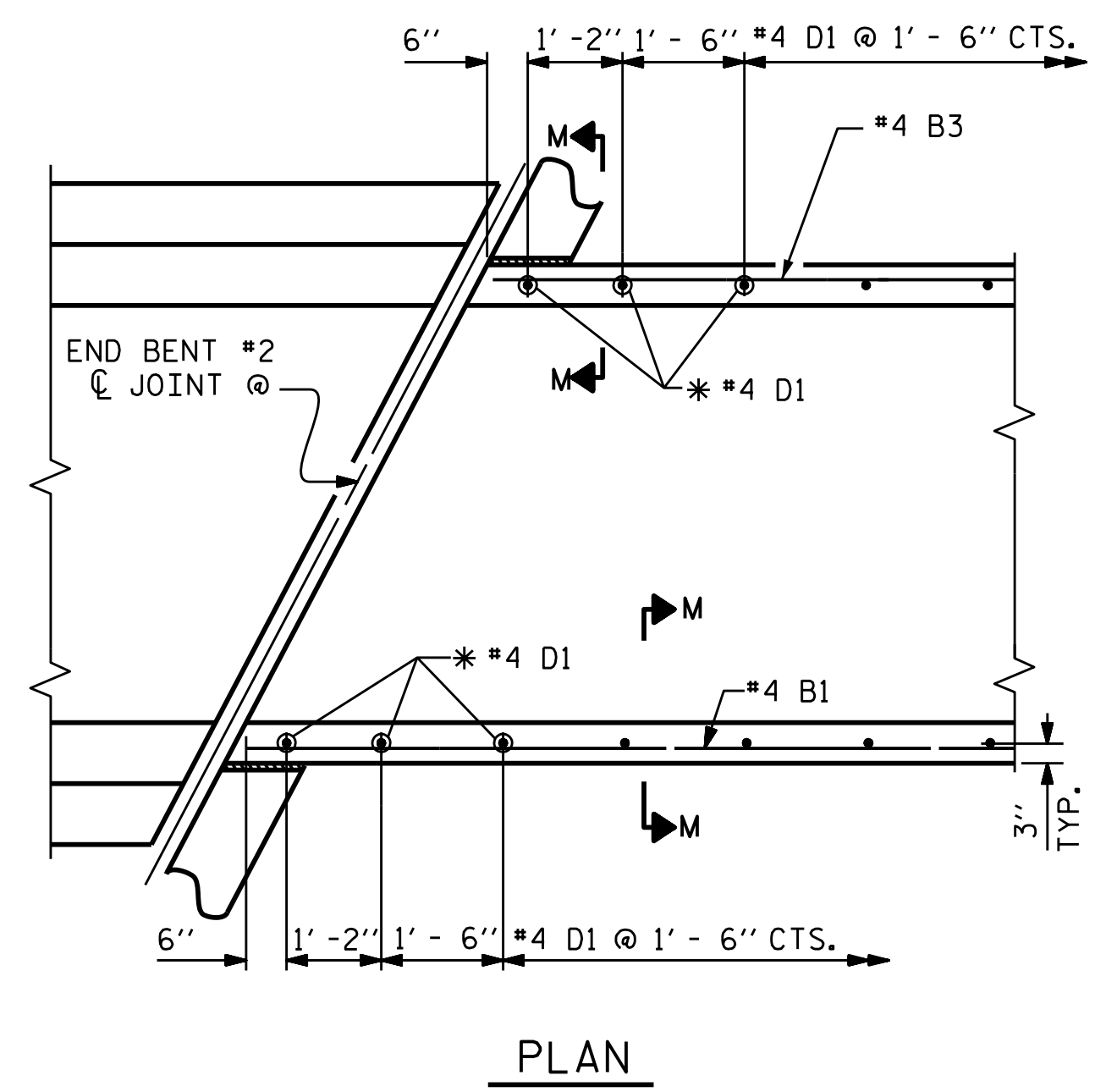
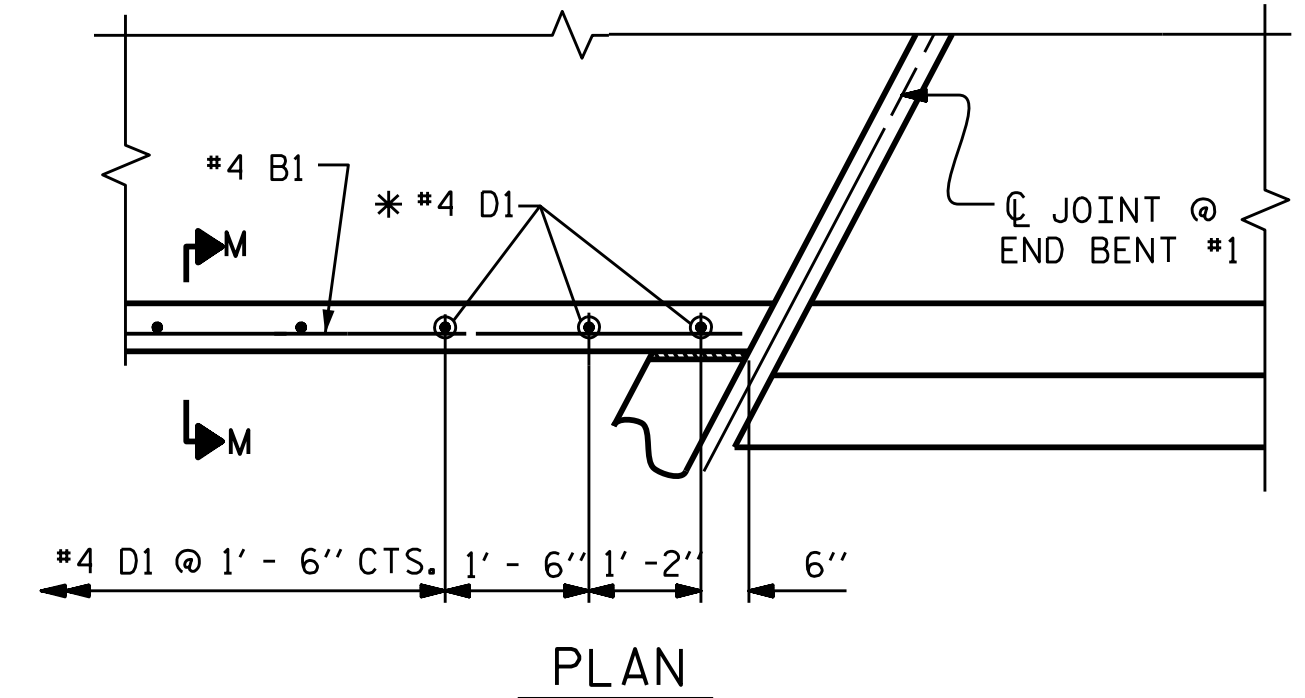
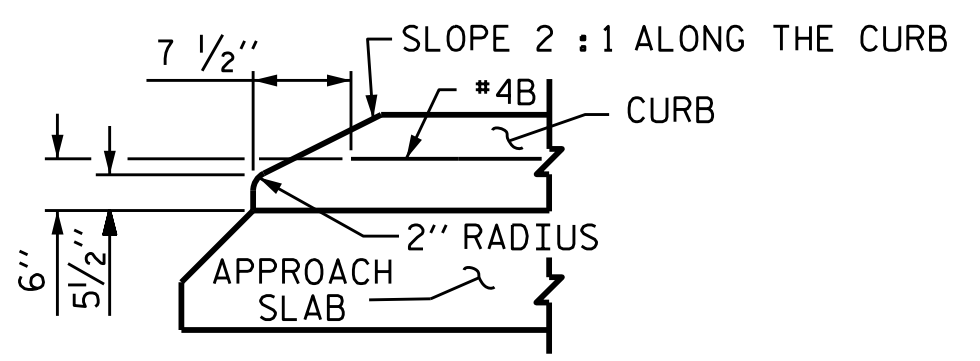


EXISTING CURB TO BE REPLACED



DETAIL AT END OF CURB WITHOUT SPECIAL DRAINAGE

THE JOINT REPLACEMENT SHALL BE COMPLETED PRIOR TO THE CASTING OF THE CONCRETE CURB.



* THESE DOWELS ARE TO BE PLACED AFTER AFTER SAWING OF THE JOINT. THE HOLES SHALL BE DRILLED AND THE DOWELS GROUTED IN PLACE.

CURB REPAIR DETAILS

NOTES

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PAYMENT FOR CLASS II SURFACE PREPARATION IS BASED ON THE SQUARE YARD OF ADDITIONAL DEMOLITION REQUIRED FOLLOWING HYDRO-DEMOLITION OF THE BRIDGE DECK. SEE SPECIAL PROVISIONS.

LMC-ES OVERLAY APPLIED TO APPROACH SLAB SHOULD MATCH THE OVERLAY THICKNESS ON THE BRIDGE.

FOR SECTION A-A, SEE FOAM JOINT DETAIL SHEET.

FOR LMC-ES OVERLAY, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

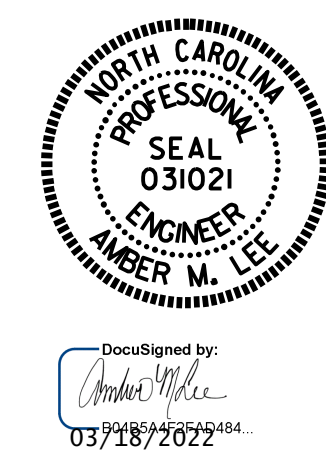
FOR CURB REPAIR, SEE SPECIAL PROVISIONS.

- CLASS II SURFACE PREPARATION
- BRIDGE JOINT DEMOLITION

AS-BUILT REPAIR QUANTITY TABLE					
DECK SURFACE REPAIRS - APPROACH SLAB 1			DECK SURFACE REPAIRS - APPROACH SLAB 2		
	ESTIMATE	ACTUAL		ESTIMATE	ACTUAL
CLASS II SURFACE PREPARATION	0.1 SQ. YDS.		CLASS II SURFACE PREPARATION	0.0 SQ. YDS.	
LATEX MODIFIED CONCRETE OVERLAY- EARLY STRENGTH	13.2 CU. YDS.		LATEX MODIFIED CONCRETE OVERLAY- EARLY STRENGTH	14.0 CU. YDS.	
PLACING AND FINISHING LMC OVERLAY	210.0 SQ. YDS.		PLACING AND FINISHING LMC OVERLAY	190.0 SQ. YDS.	
SCARIFYING BRIDGE DECK	210.0 SQ. YDS.		SCARIFYING BRIDGE DECK	190.0 SQ. YDS.	
HYDRO-DEMOLITION OF BRIDGE DECK	210.0 SQ. YDS.		HYDRO-DEMOLITION OF BRIDGE DECK	190.0 SQ. YDS.	
GROOVING BRIDGE FLOORS	1791.0 SQ. FT.		GROOVING BRIDGE FLOORS	1607.0 SQ. FT.	
CURB REPAIR	17.0 LIN. FT.		CURB REPAIR	33.8 LIN. FT.	

PROJECT NO. I-5831A
MADISON COUNTY
BRIDGE NO. 560548

SHEET 1 OF 2

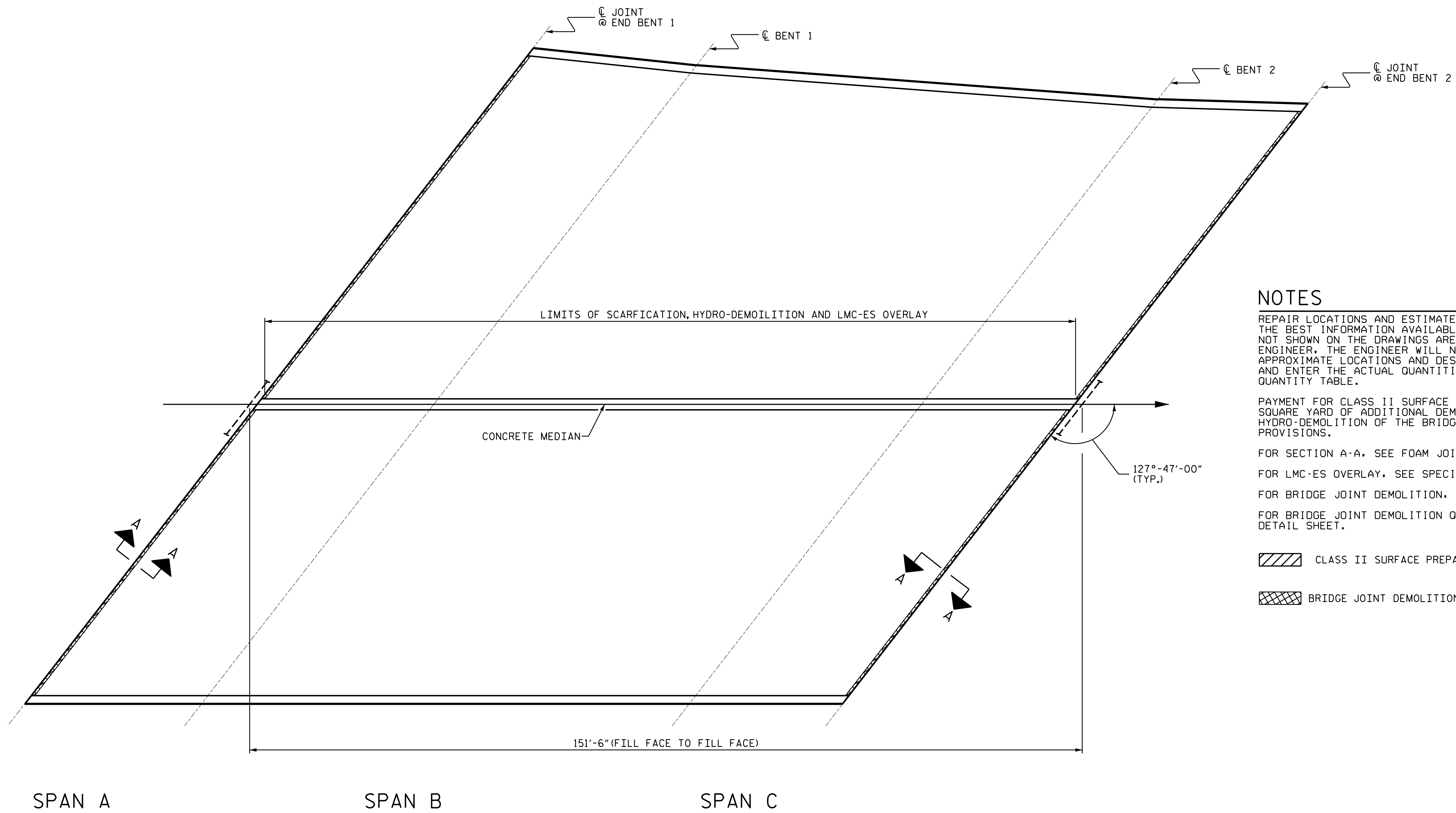


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DECK SURFACE REPAIR
APPROACH SLABS
1 & 2

DRAWN BY : CL BRIGHT DATE : 06/2019
CHECKED BY : J. A. TILLMAN DATE : 02/2022

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S4-04
2			4			TOTAL SHEETS 6



NOTES

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE 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 LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ENTER THE ACTUAL QUANTITIES INTO THE AS-BUILT REPAIR QUANTITY TABLE.

PAYMENT FOR CLASS II SURFACE PREPARATION IS BASED ON THE SQUARE YARD OF ADDITIONAL DEMOLITION REQUIRED FOLLOWING HYDRO-DEMOLITION OF THE BRIDGE DECK. SEE SPECIAL PROVISIONS.

FOR SECTION A-A, SEE FOAM JOINT DETAILS SHEET.

FOR LMC-ES OVERLAY, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION QUANTITIES, SEE FOAM JOINT DETAIL SHEET.

CLASS II SURFACE PREPARATION

BRIDGE JOINT DEMOLITION

SPAN A

SPAN B

SPAN C

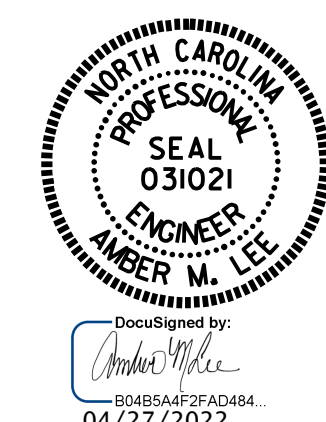
PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560548

SHEET 2 OF 2

AS-BUILT REPAIR QUANTITY TABLE								
DECK SURFACE REPAIRS - SPAN A			DECK SURFACE REPAIRS - SPAN B			DECK SURFACE REPAIRS - SPAN C		
	ESTIMATE	ACTUAL		ESTIMATE	ACTUAL		ESTIMATE	ACTUAL
CLASS II SURFACE PREPARATION	0.0 SQ. YDS.		CLASS II SURFACE PREPARATION	0.0 SQ. YDS.		CLASS II SURFACE PREPARATION	0.0 SQ. YDS.	
LATEX MODIFIED CONCRETE OVERLAY - EARLY STRENGTH	24.7 CU. YDS.		LATEX MODIFIED CONCRETE OVERLAY - EARLY STRENGTH	66.6 CU. YDS.		LATEX MODIFIED CONCRETE OVERLAY - EARLY STRENGTH	19.8 CU. YDS.	
PLACING AND FINISHING LMC OVERLAY	390.0 SQ. YDS.		PLACING AND FINISHING LMC OVERLAY	1066.8 SQ. YDS.		PLACING AND FINISHING LMC OVERLAY	316.9 SQ. YDS.	
SCARIFYING BRIDGE DECK	390.0 SQ. YDS.		SCARIFYING BRIDGE DECK	1066.8 SQ. YDS.		SCARIFYING BRIDGE DECK	316.9 SQ. YDS.	
HYDRO-DEMOLITION OF BRIDGE DECK	390.0 SQ. YDS.		HYDRO-DEMOLITION OF BRIDGE DECK	1066.8 SQ. YDS.		HYDRO-DEMOLITION OF BRIDGE DECK	316.9 SQ. YDS.	
GROOVING BRIDGE FLOORS	3329.5 SQ. FT.		GROOVING BRIDGE FLOORS	9042.2 SQ. FT.		GROOVING BRIDGE FLOORS	2652.8 SQ. FT.	

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**DECK SURFACE REPAIR
 SPANS A, B & C**

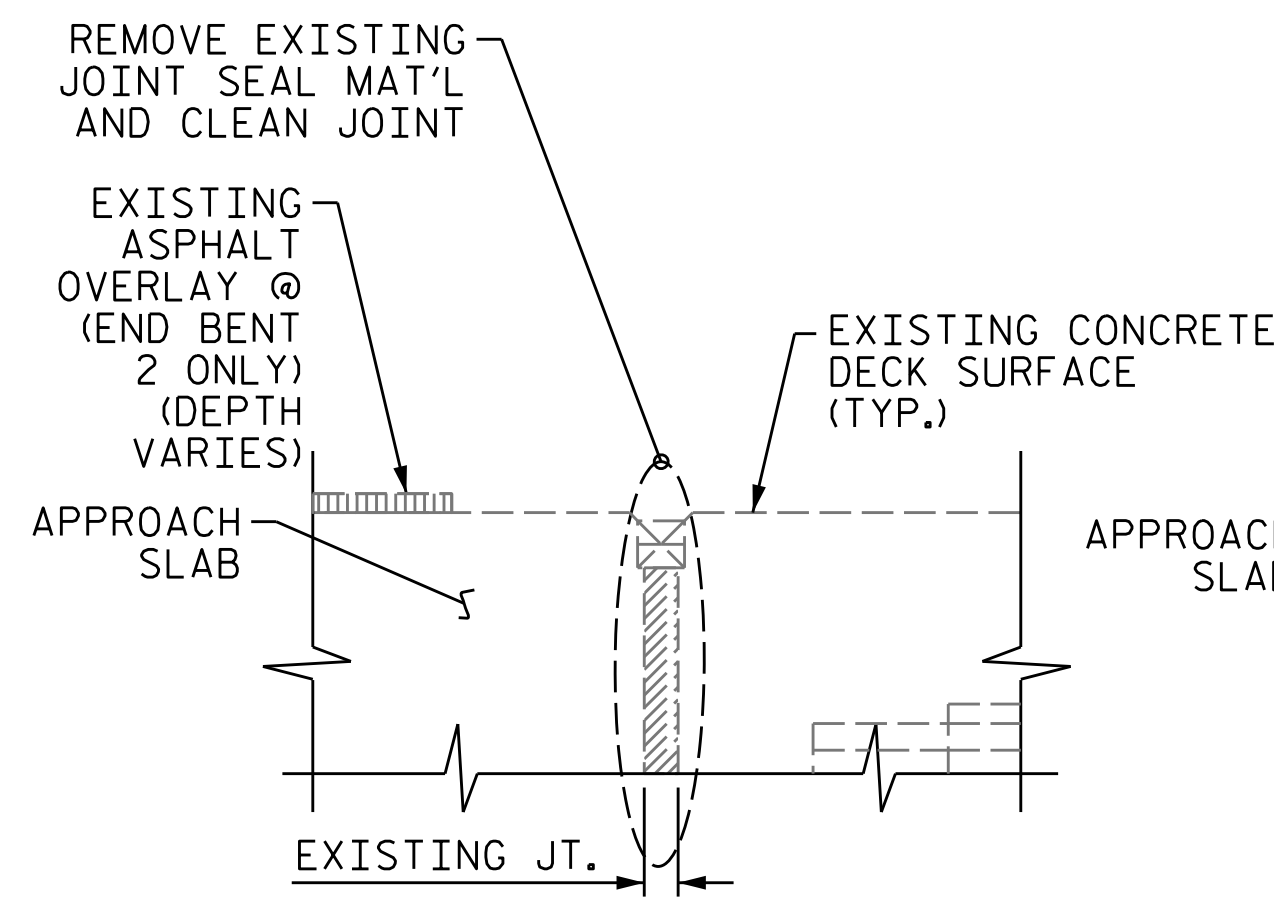


△ UPDATED QUANTITIES, 4/27/2022

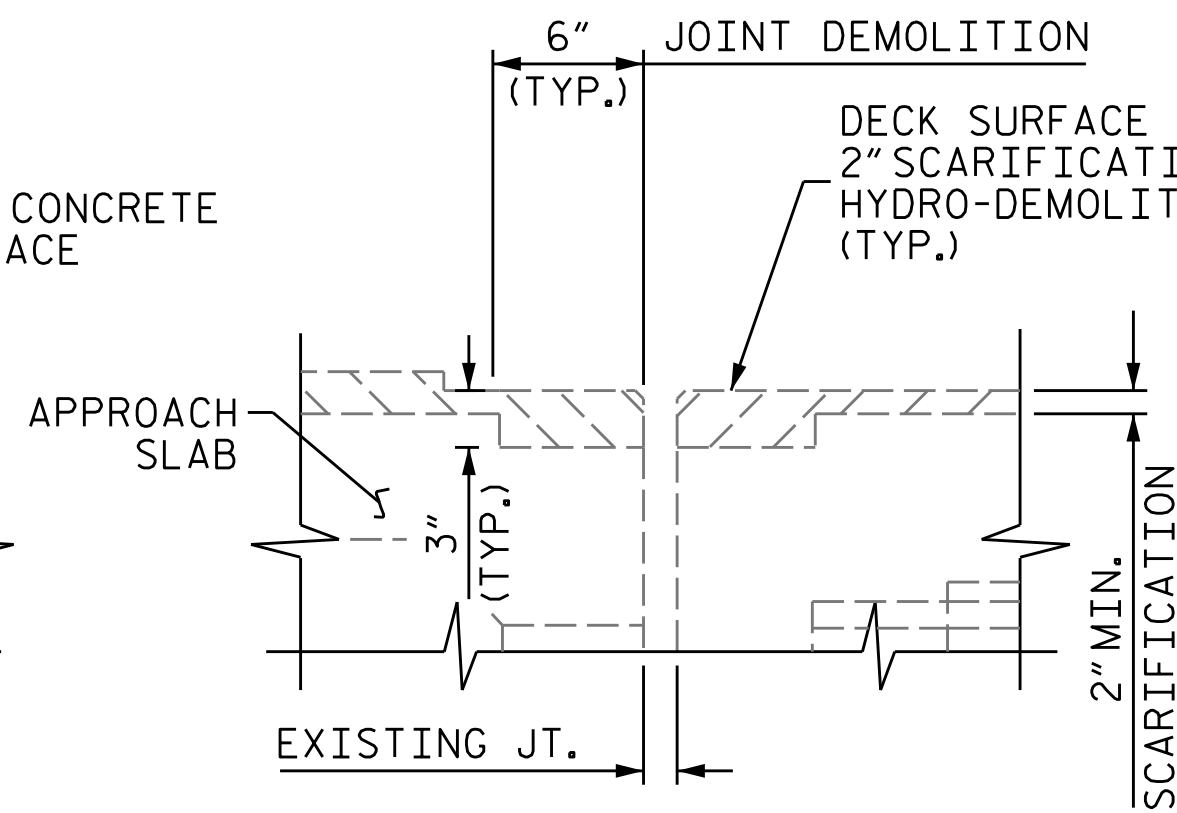
DRAWN BY : CL BRIGHT DATE : 06/2019
 CHECKED BY : J. A. TILLMAN DATE : 02/2022

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 FINAL UNLESS ALL
 SIGNATURES COMPLETED

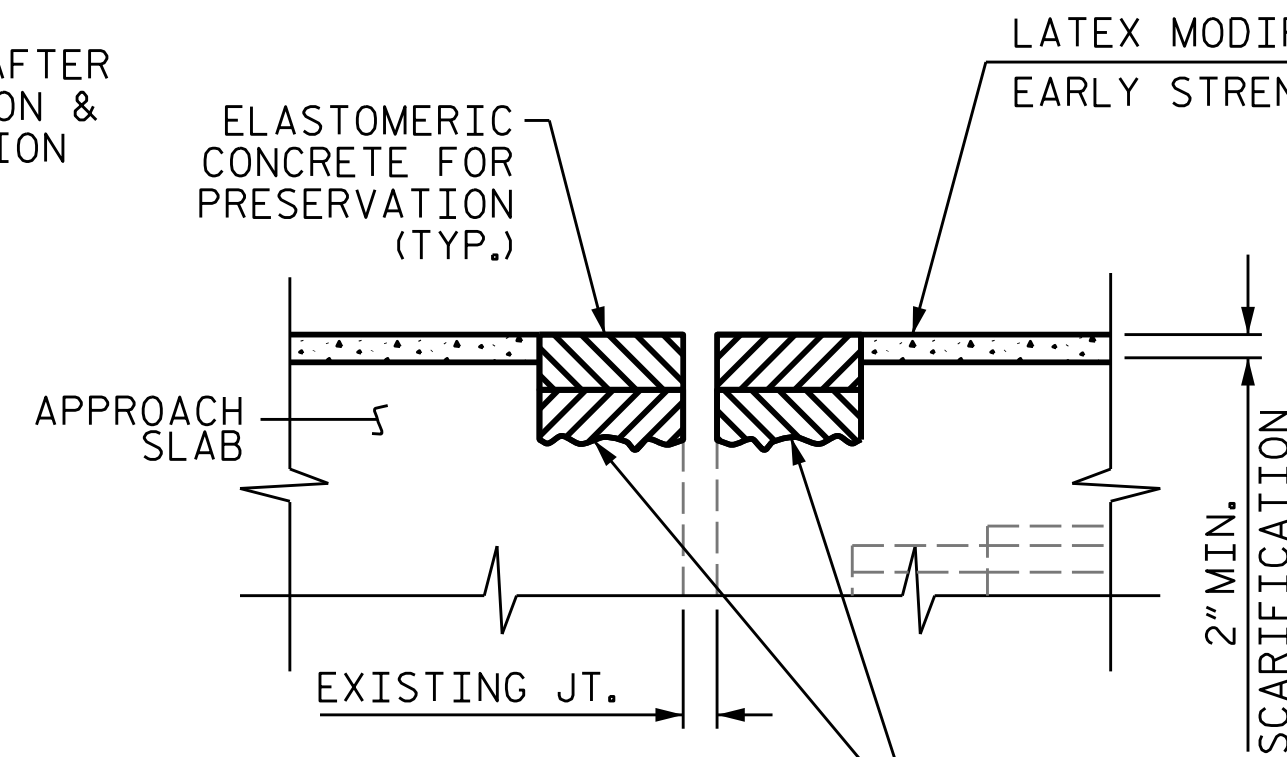
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NO.	BY:	DATE:	NO.	BY:	DATE:	S4-05
1			3			TOTAL SHEETS
2			4			6



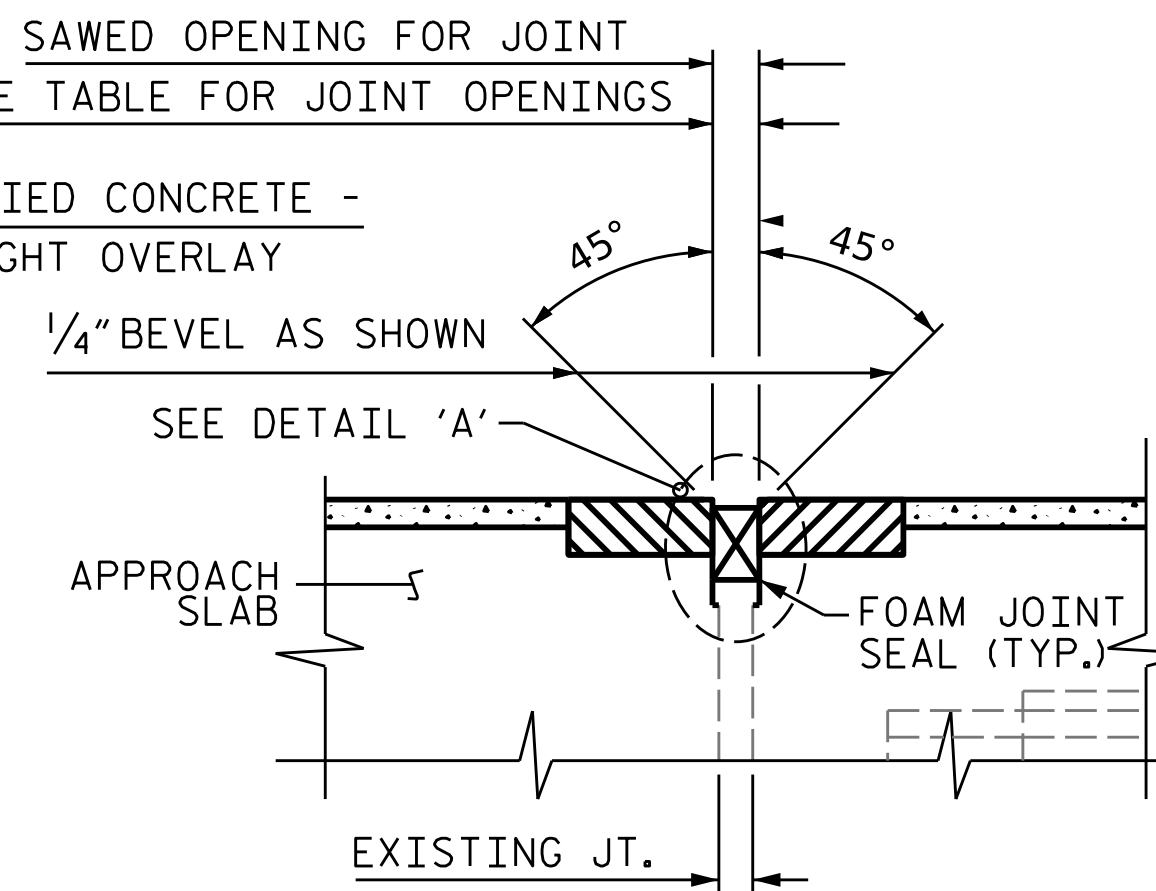
EXISTING JOINT SEAL



EXISTING JOINT AFTER JOINT DEMOLITION



PROPOSED JOINT PRIOR TO SAWING



PROPOSED FOAM JOINT SEAL

SECTION A-A
(TYP. AT END BENTS)

NOTES

FINAL JOINT SEALS SHALL NOT BE INSTALLED UNTIL THE OVERLAY WORK IS COMPLETE.

THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING JOINT OPENING PRIOR TO ORDERING JOINT SEAL MATERIAL. IF THE ACTUAL JOINT OPENING VARIES FROM THE OPENING INDICATED IN THE DETAILS BY MORE THAN 1/4", NOTIFY THE ENGINEER.

THE MANUFACTURER IS TO PROVIDE THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL FOR THE SIZE OF THE OPENING ON THE PLANS AND ACCOMMODATE THE MINIMUM EXPANSION SHOWN ON THE PLANS.

FOAM JOINTS SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS.

THE CONTRACTOR SHALL TAKE CARE DURING JOINT REHAB OPERATIONS NOT TO DROP ANY MATERIAL BELOW THE BRIDGE, WITHOUT PROTECTIVE DEVICES BELOW TO CATCH THE MATERIAL. ANY MATERIAL THAT FALLS BELOW THE BRIDGE SHALL BE CONTAINED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO EXTRA COST TO THE DEPARTMENT. IF THE ENGINEER DETERMINES THAT THE PROTECTIVE DEVICES ARE NOT ADEQUATE OR NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

THE CONTRACTOR WILL NOT BE PERMITTED TO FORM THE JOINTS IN LIEU OF SAWING THE JOINT.

THE INSTALLED FOAM JOINTS SHALL BE WATER TIGHT.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

QUANTITIES SHOWN IN THE ELASTOMERIC CONCRETE FOR PRESERVATION TABLE ARE BASED ON THE MINIMUM JOINT DEMOLITION SHOWN.

EXCAVATION OF CONCRETE AT THE EXISTING JOINT SHALL RESULT IN THE BOTTOM OF THE EXCAVATION BEING REASONABLY FLAT AND LEVEL, TO PROVIDE SUFFICIENT SUBSTRATE FOR PLACEMENT AND SUPPORT OF ELASTOMERIC OR REPAIR CONCRETE. DEMOLISH BRIDGE JOINT TO THE NECESSARY DEPTH, SUCH THAT ELASTOMERIC CONCRETE SHALL BE FOUNDED ON CONCRETE OR REPAIR CONCRETE SUBSTRATE, NOT OVERLAY MATERIAL.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FINAL SURFACE OF THE JOINT DEMOLITION AREA PRIOR TO PLACEMENT OF CONCRETE REPAIR MATERIAL OR ELASTOMERIC CONCRETE SHOULD BE REASONABLY FLAT AND LEVEL. ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF THE SURFACE PRIOR TO PLACEMENT OF REPAIR CONCRETE OR ELASTOMERIC CONCRETE.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR CONCRETE FOR DECK REPAIRS, SEE SPECIAL PROVISIONS.

SAWED JOINT OPENING TABLE

LOCATION	SAWED JT. OPENING (PERPENDICULAR TO JT.)		
	AT 45°	AT 60°	AT 90°
END BENT 1	1 1/16"	1 3/16"	1 5/16"
END BENT 2	1 1/16"	1 3/16"	1 5/16"

ELASTOMERIC CONCRETE FOR PRESERVATION

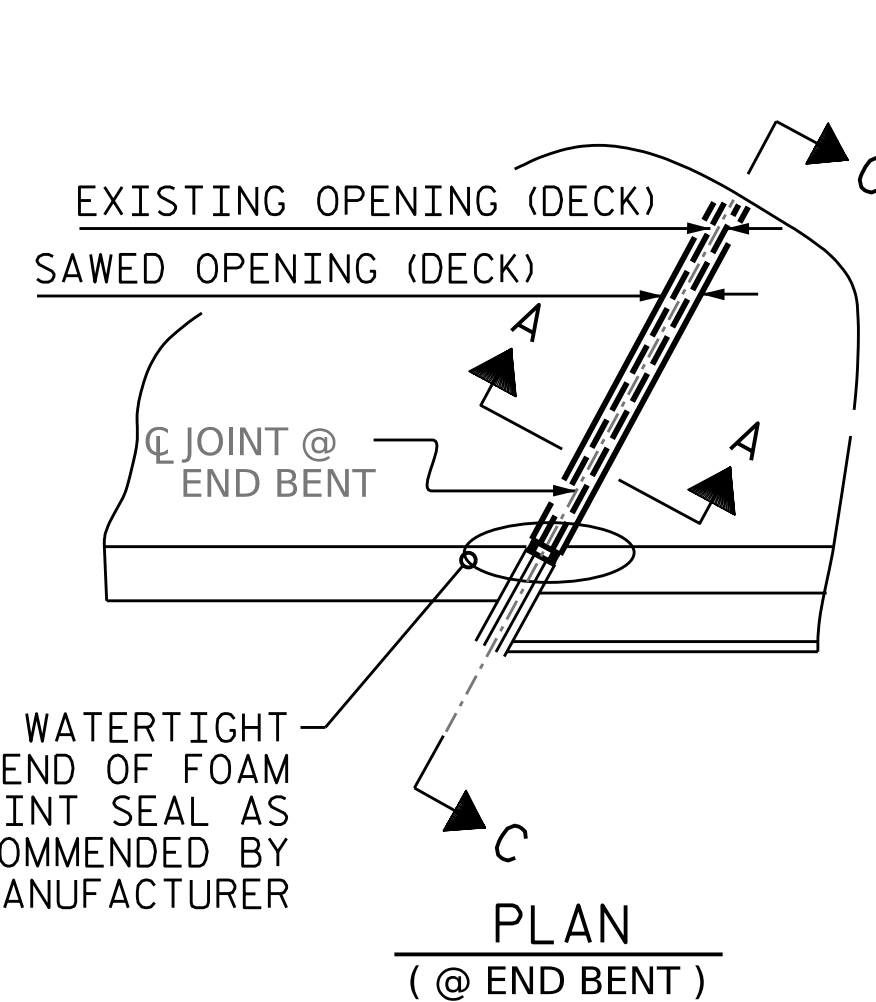
LOCATION	ESTIMATED (CU.FT.)	ACTUAL (CU.FT.)
END BENT 1	37.2	
END BENT 2	34.0	
TOTAL	71.2	

JOINT REPAIR QUANTITY TABLE

	ESTIMATED	ACTUAL
FOAM JOINT SEALS FOR PRESERVATION	289.5 FT.	

BRIDGE JOINT DEMOLITION

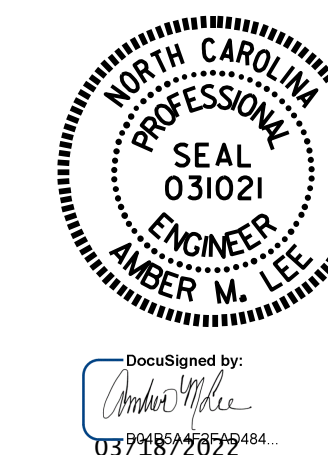
LOCATION	ESTIMATE	ACTUAL
END BENT 1	148.8 SQ. FT.	
END BENT 2	136.0 SQ. FT.	
TOTAL	284.8 SQ. FT.	



SECTION C-C

DETAIL 'A'

PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560548



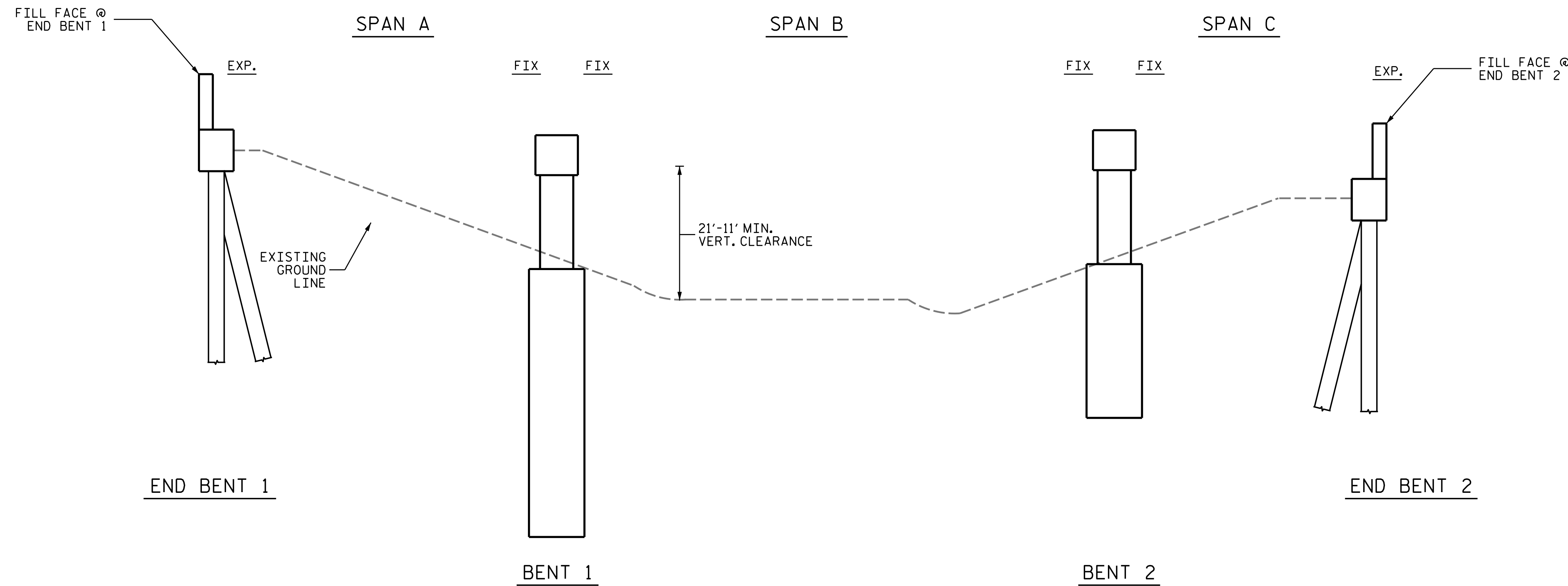
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARDS
 FOAM JOINT SEALS
 FOR PRESERVATION
 DETAILS

ASSEMBLED BY : A.M. LEE	DATE : 2/2022
CHECKED BY : J. A. TILLMAN	DATE : 2/2022
DRAWN BY : NAP 08/2018	
CHECKED BY : -	

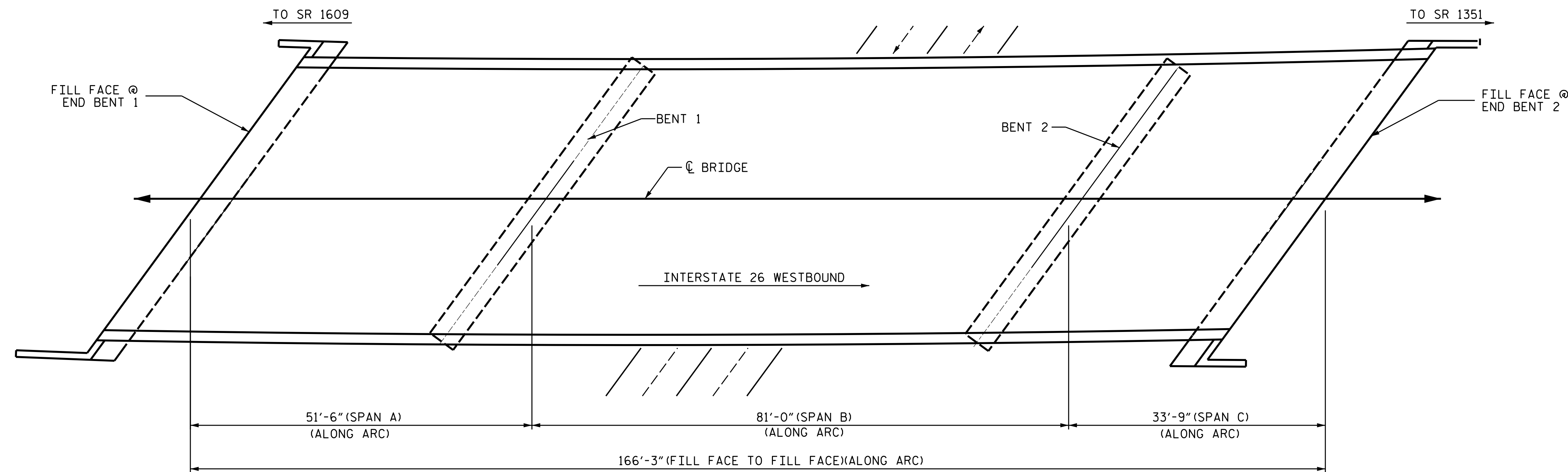
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NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			54-06
2			4			TOTAL SHEETS 6

NOTES
 GENERAL DRAWING INFORMATION IS TAKEN FROM THE ORIGINAL PLANS AND THE ROUTINE INSPECTION REPORT DATED 07/08/2020.
 BRIDGE ORIENTATION CONFORMS TO THE ORIGINAL BRIDGE PLANS.



SECTION ALONG C ROADWAY



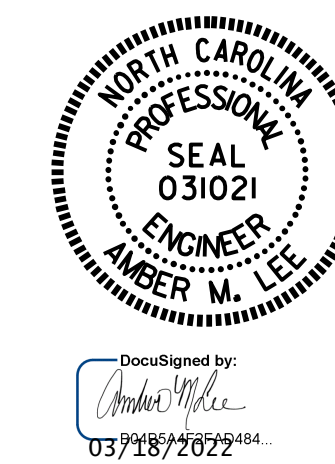
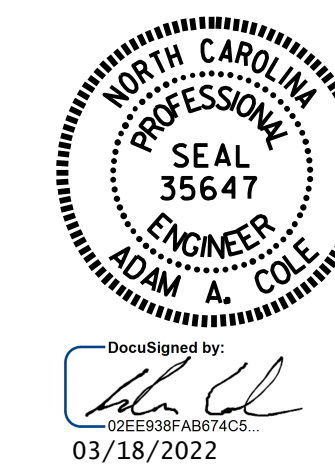
PLAN

SCOPE OF WORK

- PARTIALLY REMOVE BRIDGE DECK CONCRETE BY SCARIFICATION AND HYDRO-DEMOLITION METHODS.
- OVERLAY PREPARED TOP OF BRIDGE DECK WITH LATEX MODIFIED CONCRETE - EARLY STRENGTH (LMC-ES).
- REMOVE EXISTING JOINT MATERIAL AND INSTALL FOAM JOINTS.
- GROOVE LMC-ES BRIDGE DECK.

I HEREBY CERTIFY THAT THIS STRUCTURE WAS REHABILITATED ACCORDING TO THESE PLANS OR AS NOTED HEREIN.

RESIDENT ENGINEER _____ DATE _____



PROJECT NO. I-5831A
MADISON COUNTY
 BRIDGE NO. 560549

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON
 INTERSTATE 26
 WESTBOUND
 OVER SR 1352
 (HIGGINS BRANCH RD.)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S5-01
1			3			TOTAL SHEETS
2			4			7

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : M.ALINAGHIAN DATE : .06/2019
 CHECKED BY : GHOLAMREZA KOUCHEKI DATE : .02/2022