



SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN2
INDEX AND STANDARD DRAWINGS.....	1A



SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN2
SUPERSTRUCTURE REPAIRS - STEEL.....	BR-133-139
SUPERSTRUCTURE REPAIRS DETAILS	BR-133-140
ABUTMENT 1 REPAIRS	BR-133-141
ABUTMENT 2 REPAIRS.....	BR-133-142
BENT 1 REPAIRS	BR-133-143
BENT 3 REPAIRS	BR-133-144

YEAR	PROJECT NO.	SHEET NO.
2025	19I040-M3-018	ROADWAY-SIGN2
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION		
SIGNATURE SHEET		

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ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
SIGNATURE SHEETS.....	ROADWAY-SIGN2
TITLE SHEET.....	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
PROJECT COMMITMENTS.....	1B
ESTIMATED ROADWAY QUANTITIES	2
ENVIRONMENTAL NOTES	2E
TRAFFIC CONTROL PLANS	T1 – T12
NOTE: THE ALPHABETICAL LETTERS "I", "O" & "Q" ARE NOT USED IN THE NUMBERING OF SHEETS.	

BRIDGE INDEX

SHEET NAME	SHEET NO.
LAYOUT OF BRIDGE TO BE REPAIRED.....	BR-133-135
ESTIMATED BRIDGE QUANTITIES	2A (BR-133-136)
BRIDGE GENERAL NOTES	BR-133-137
SUPERSTRUCTURE REPAIRS - DECK.....	BR-133-138
SUPERSTRUCTURE REPAIRS - STEEL.....	BR-133-139
SUPERSTRUCTURE REPAIR DETAILS	BR-133-140
ABUTMENT 1 REPAIRS	BR-133-141
ABUTMENT 2 REPAIRS	BR-133-142
BENT 1 REPAIRS	BR-133-143
BENT 3 REPAIRS	BR-133-144
MISCELLANEOUS REPAIR DETAILS	BR-133-145

LIST OF REFERENCE DRAWINGS

SHEET NAME	SHEET NO.
1961 ORIGINAL BRIDGE PLANS.....	SHEETS K-7-122 THRU K-7-126
2001 BRIDGE REPAIRS.....	SHEETS BR-50-99 THRU BR-50-102
2008 BRIDGE REPAIR PLANS.....	SHEETS BR-87-28 THRU BR-87-31
2011 BRIDGE REPAIR PLANS.....	SHEETS BR-105-76 THRU BR-105-79

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
10-107.00 DESIGN - TRAFFIC CONTROL		
T-WZ-13	05-01-20	TWO-OUTSIDE LANE CLOSURE FOR EXPRESSWAY AND FREEWAYS

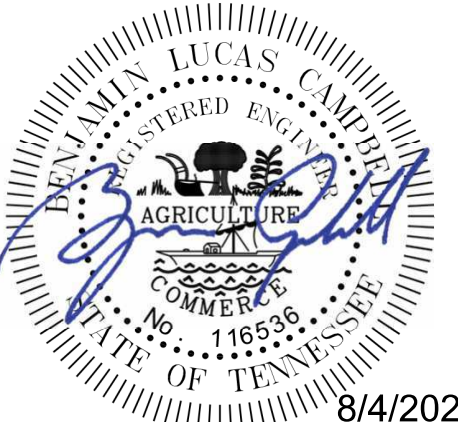
LIST OF SPECIAL PROVISIONS

DWG.	REV.	DESCRIPTION
SP712PTQ	02-13-23	TRAFFIC QUEUE PROTECTION

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	19I040-M3-018	1A
PS&E	2025	19I040-M3-018	1A

REV. 08/04/25 : ADDED SHEET ROADWAY-SIGN2 TO INDEX.

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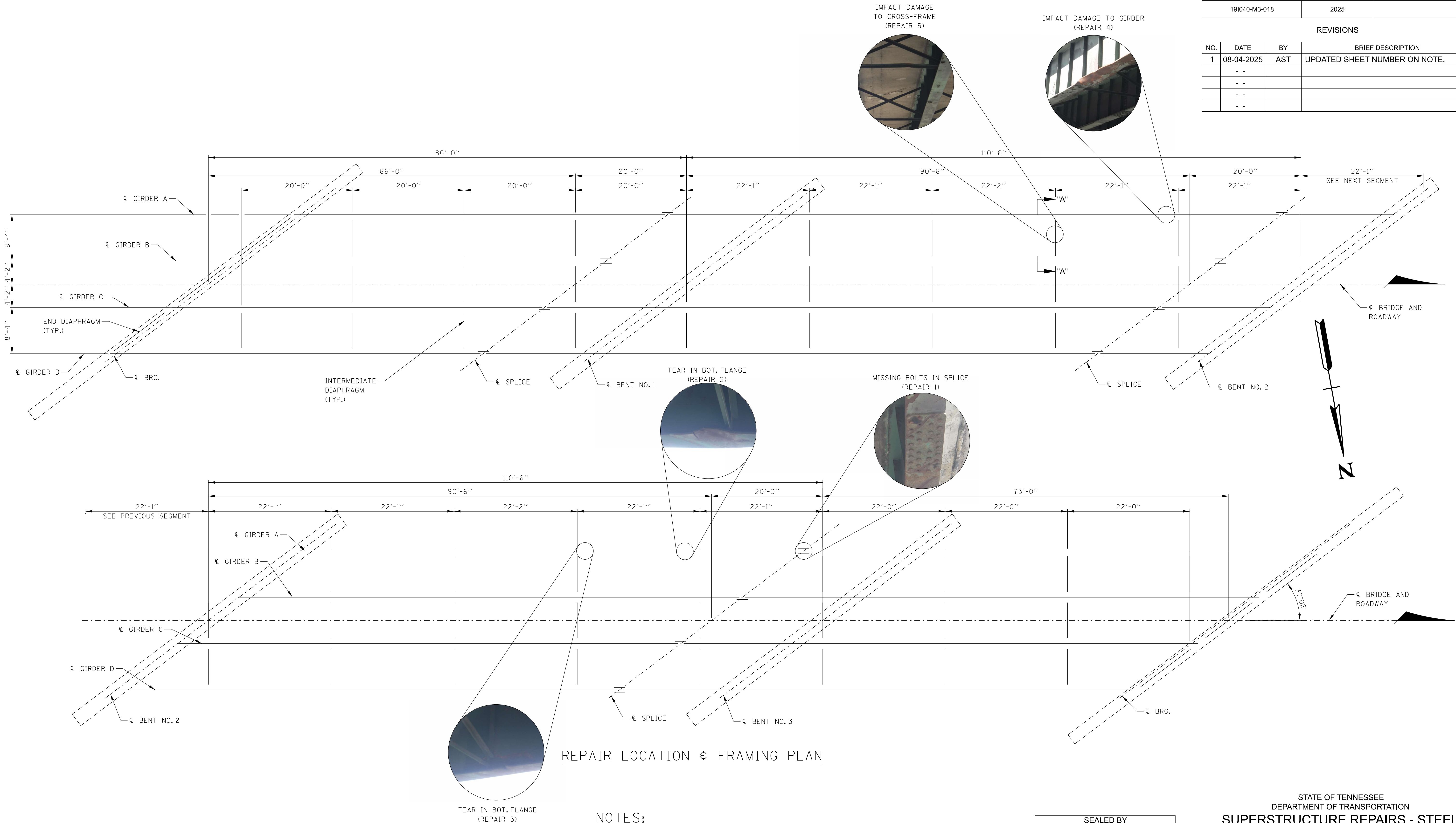
8/4/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

CONST. NO.:

PROJECT NO.		YEAR	SHEET NO.
19I040-M3-018		2025	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	08-04-2025	AST	UPDATED SHEET NUMBER ON NOTE.
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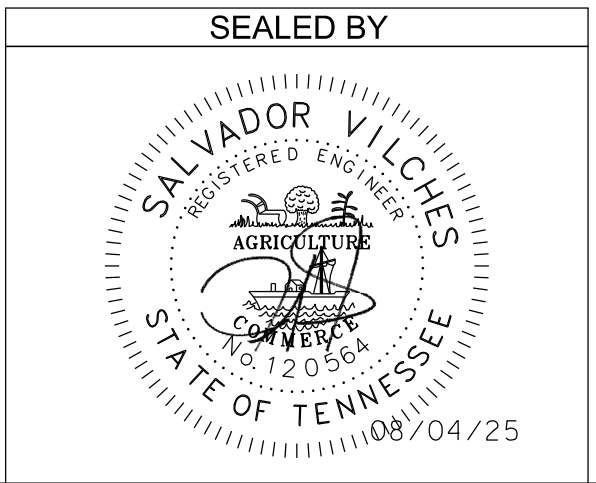


REPAIR LOCATION & FRAMING PLAN

NOTES:

1. FOR STEEL REPAIR DETAILS, SEE SUPERSTRUCTURE REPAIR DETAILS ON SHEET BR-133-140.
2. STRUCTURAL STEEL REPAIR TO BE PAID FOR UNDER ITEM 602-10.50, STRUCTURAL STEEL REPAIR.
3. FOR LANE CLOSURES, SEE ROADWAY SHEETS.

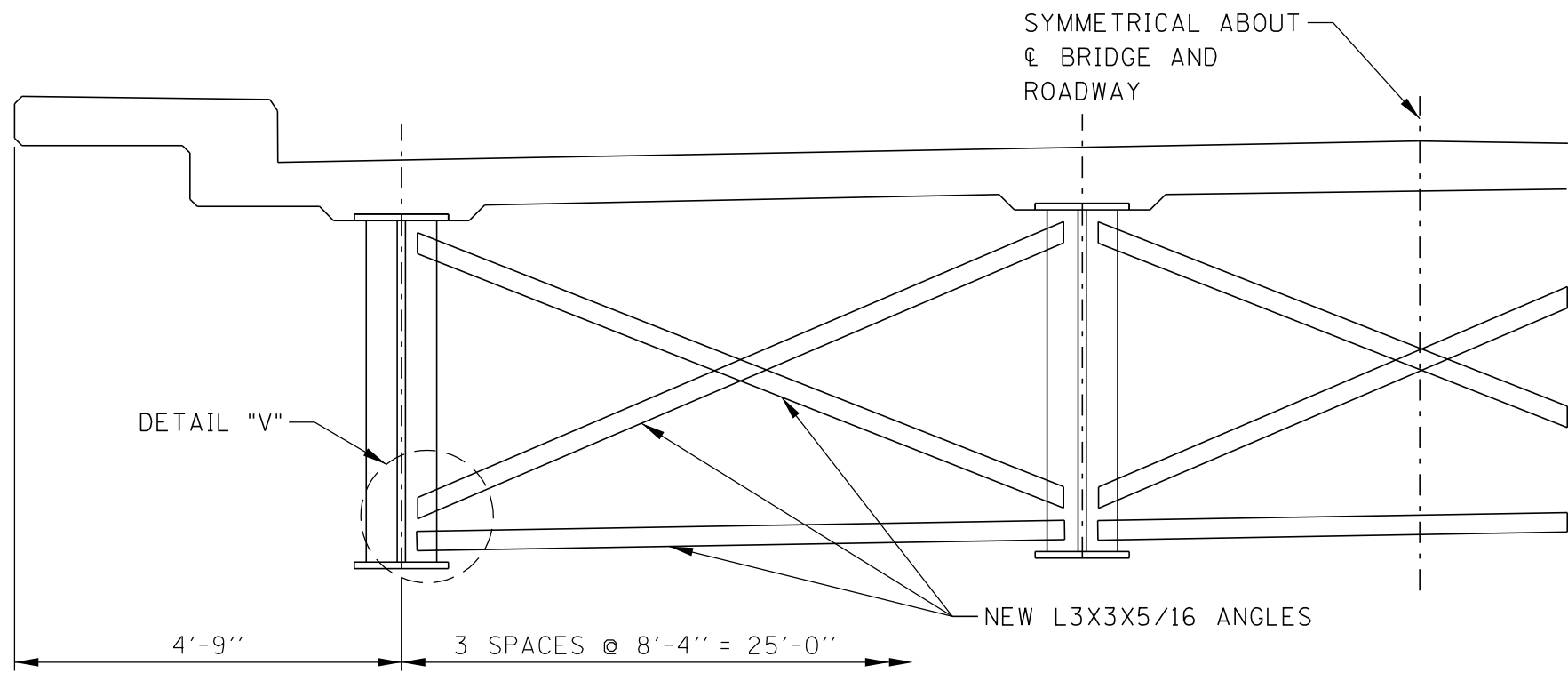
PIN NO.: 113872.01
DESIGN BY: C. GIBBS DATE: JANUARY/2023
DRAWN BY: J. LIPSCOMB DATE: JANUARY/2023
SUPERVISED BY: S. VILCHES DATE: APRIL/2025
CHECKED BY: R. FRYE/A. TILTON DATE: APRIL/2025



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE REPAIRS - STEEL
ELM HILL PIKE OVER
INTERSTATE 40
BRIDGE NO. 19-04167-1.25
FED. BRIDGE NO. 19I00400133
DAVIDSON COUNTY
2025

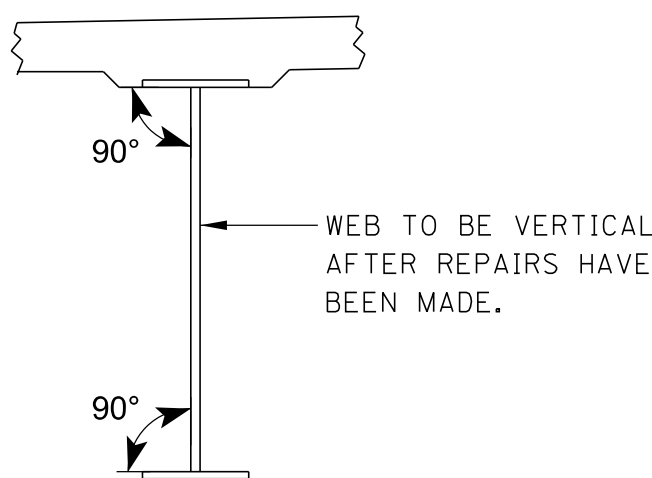
CONST. NO.:

PROJECT NO.		YEAR	SHEET NO.
19I040-M3-018		2025	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	08-04-2025	AST	UPDATED NOTES.
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	- -		
	- -		
	- -		



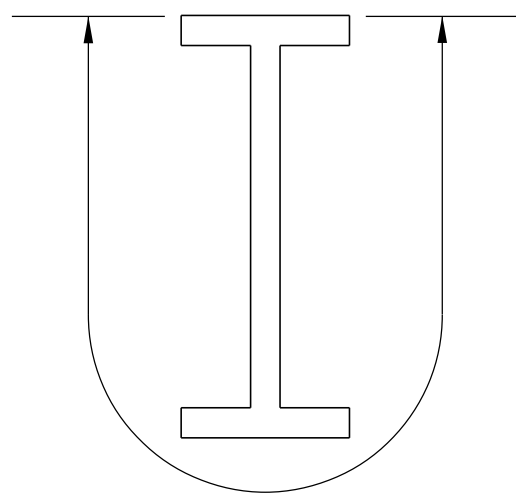
SECTION "A"-"A"

NOTE: REPLACE PORTIONS OF EXTERIOR DIAPHRAGM ON SOUTH SIDE OF BRIDGE.
SEE FRAMING PLAN FOR LOCATION OF DAMAGED DIAPHRAGM.



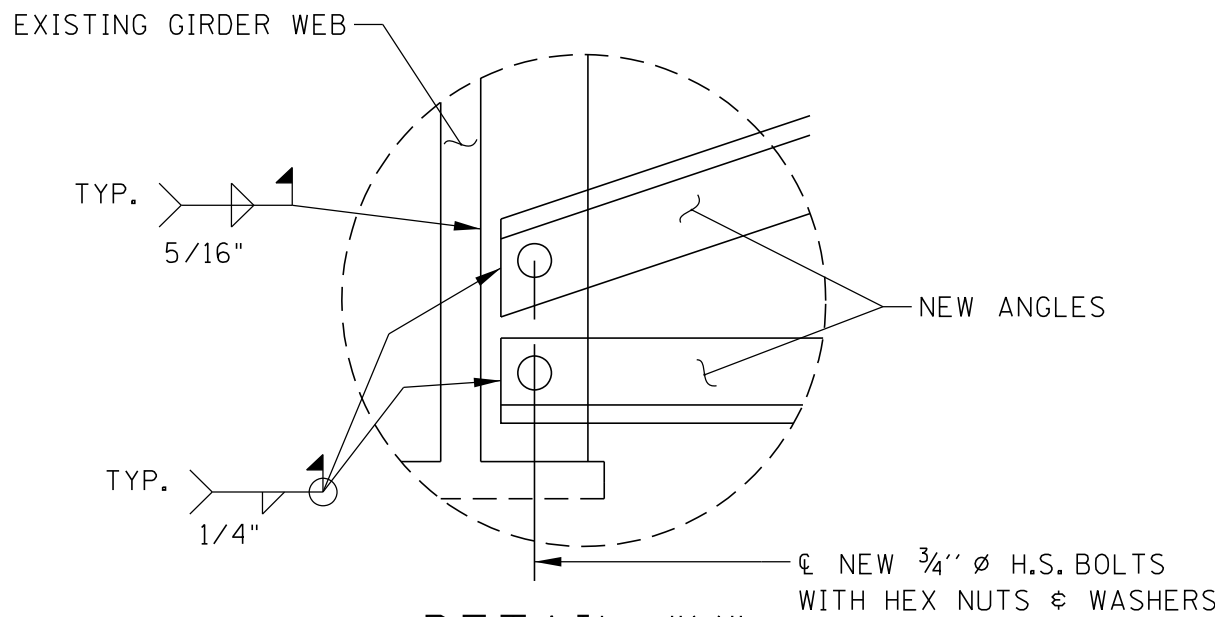
SECTION SHOWING DETAILS FOR FLANGE
AND WEB ALIGNMENT

(APPLIES TO ALL GIRDERS BEING HEAT STRAIGHTENED)



LIMITS OF GIRDER
TO BE PAINTED

(IN AREAS OF HEAT STRAIGHTENING OR REPAIRED AREAS)

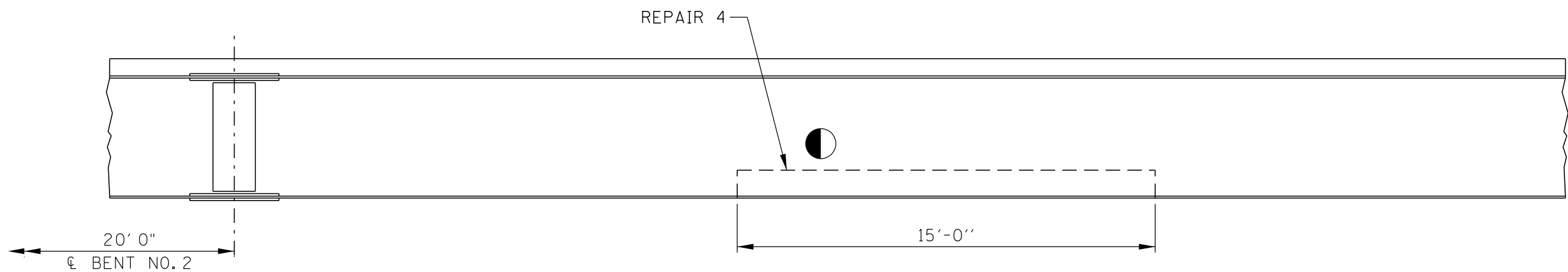


DETAIL "V"

SHOWING NEW BOLTED AND
WELDED CONNECTION @ D1

PIN NO.: 113872.01
DESIGN BY: C. GIBBS DATE: JANUARY/2023
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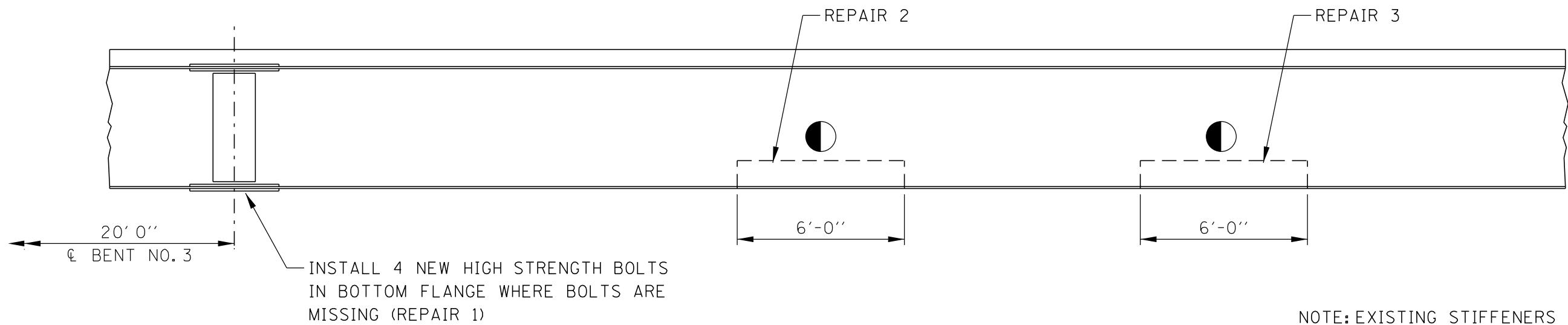
● DENOTES: TEAR IN BOTTOM FLANGE,
TO BE WELDED AFTER HEAT STRAIGHTENING



GIRDER A - SPAN 2
(LOOKING NORTH)

NOTE: EXISTING STIFFENERS TO BE HEAT STRAIGHTENED
AND WELDED IN DAMAGED AREA.

● DENOTES: TEAR IN BOTTOM FLANGE,
TO BE WELDED AFTER HEAT STRAIGHTENING



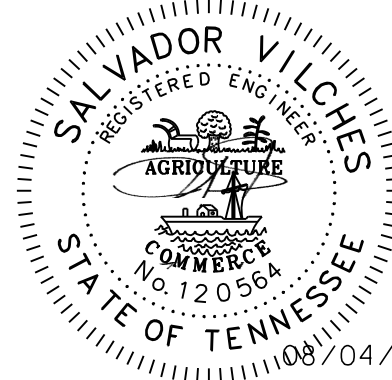
GIRDER A - SPAN 3
(LOOKING NORTH)

NOTE: EXISTING STIFFENERS TO BE HEAT STRAIGHTENED
AND WELDED IN DAMAGED AREA.

NOTES:

- 1) CARE SHALL BE TAKEN TO KEEP TRAFFIC OFF THE AFFECTED GIRDERS DURING REPAIR AS TO NOT SUBJECT THEM TO LIVE LOAD. PROVIDE REQUIRED TRAFFIC CONTROL AND PHASED CONSTRUCTION. FOR STEEL REPAIR WORK ABOVE I-40 EAST AND WEST, CONTRACTOR MUST MAINTAIN A MINIMUM OF TWO LANES ON I-40 AND ELM HILL PIKE SHALL BE CLOSED TO TRAFFIC DURING PREAPPROVED NIGHTS (8P.M. TO 5 A.M.) DURING ALL OTHER INSTANCES I-40 SHALL REMAIN OPEN TO TRAFFIC AND ELM HILL PIKE SHALL MAINTAIN, AT MINIMUM, ONE LANE OF ALTERNATING TRAFFIC. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAILS. COST ASSOCIATED WITH THE MAINTENANCE OF TRAFFIC ON ELM HILL PIKE DURING SUPERSTRUCTURE REPAIRS SHALL BE INCLUDED IN ITEM 712-01.
- 2) FOR LOCATIONS OF REPAIRS 1, 2, 3, 4, AND 5, SEE SUPERSTRUCTURE REPAIR - STEEL, SHEET BR-133-139.

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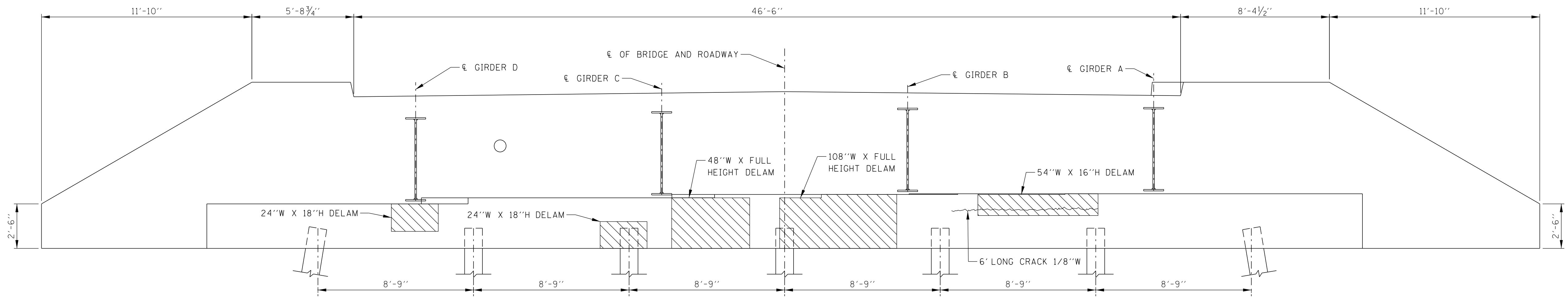
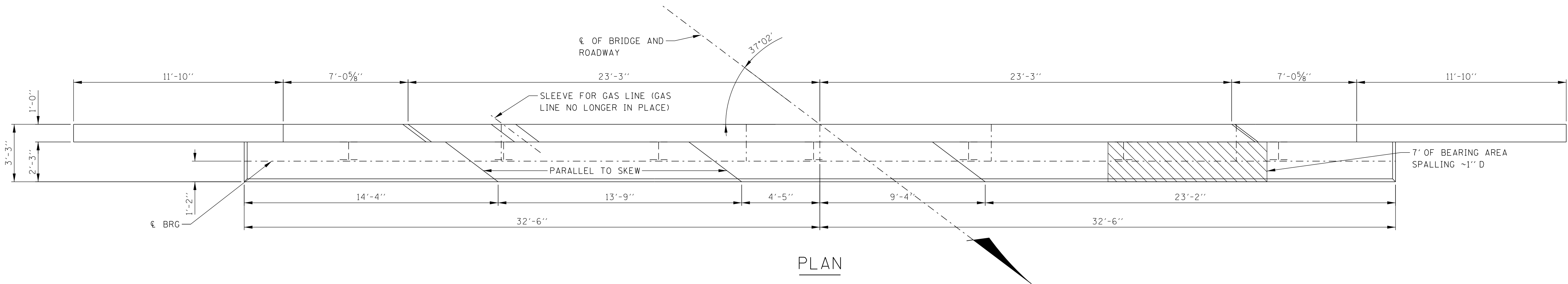
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE REPAIR DETAILS
ELM HILL PIKE OVER
INTERSTATE 40
BRIDGE NO. 19-04167-1.25
FED. BRIDGE NO. 19I00400133
DAVIDSON COUNTY
2025

BR-133-140

CONST. NO.:

PROJECT NO.		YEAR	SHEET NO.
19I040-M3-018		2025	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	08-04-2025	AST	UPDATED SHEET NUMBER ON NOTE.
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ESTIMATED QUANTITIES		
SUBSTRUCTURE ELEMENT	ITEM NO. 604-10.05 OR ITEM NO. 604-10.54 APPROX. REPAIR AREAS (SF)	ITEM NO. 604-10.62 APPROX. REPAIR AREA (LF)
ABUTMENT 1	65	6

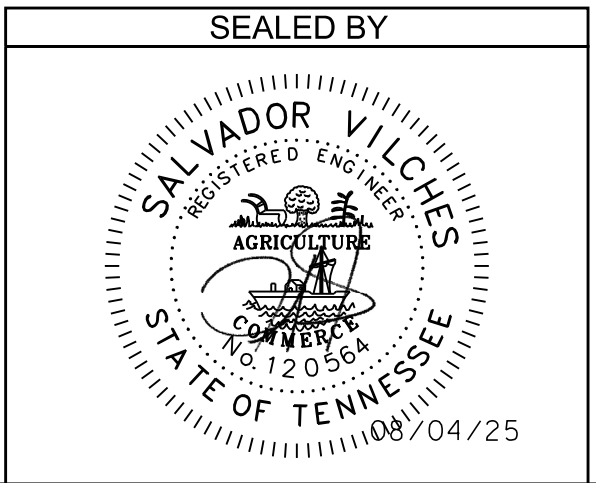


/// DENOTES: AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 AND/OR 604-10.54, FOR REPAIR DETAILS SHOWING AREAS OF EXISTING SPALLED OR DELAMINATED CONCRETE SURFACES TO BE REMOVED AND REPAIRED, SEE SHEET BR-133-145. 1

— DENOTES: CRACK TO BE REPAIRED UNDER ITEM NO. 604-10.58 AND 604-10.62, SEE EPOXY INJECTION NOTES ON SHEET BR-133-145. 1

NOTE: REMOVE VEGETATION FOR A DISTANCE OF 10 FEET ALONG EACH SIDE OF ABUTMENT 1 AND CONCRETE SLOPE.

PIN NO.: 113872.01
DESIGN BY: C. GIBBS DATE: JANUARY/2023
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CHECKED BY: R. FRYE/A. TILTON DATE: APRIL/2025

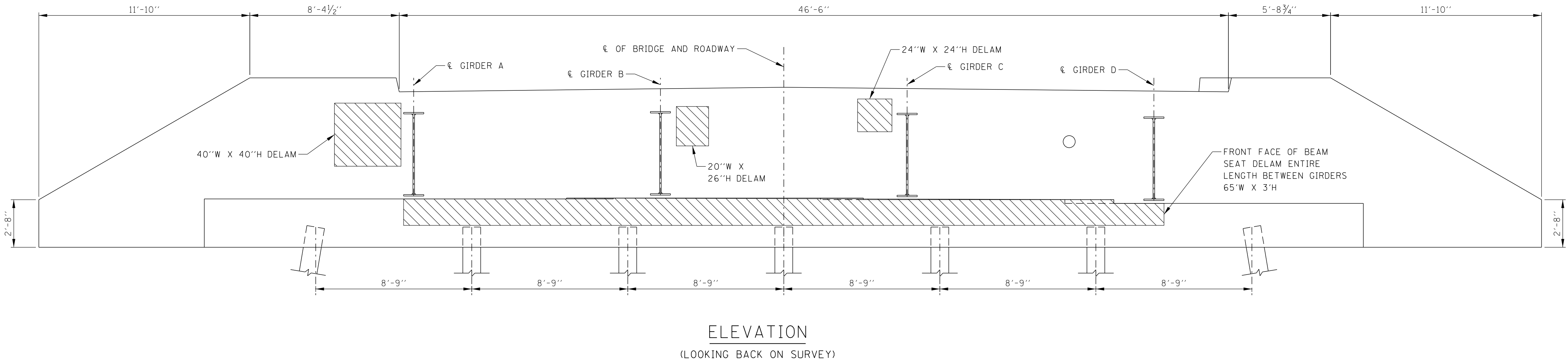
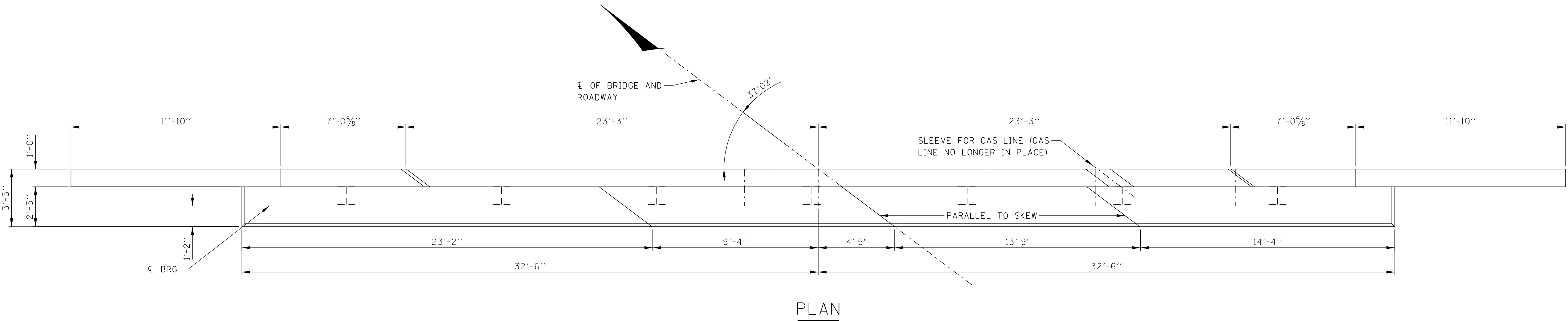


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ABUTMENT 1 REPAIRS
ELM HILL PIKE OVER
INTERSTATE 40
BRIDGE NO. 19-04167-1.25
FED. BRIDGE NO. 19I00400133
DAVIDSON COUNTY
2025

CONST. NO.:

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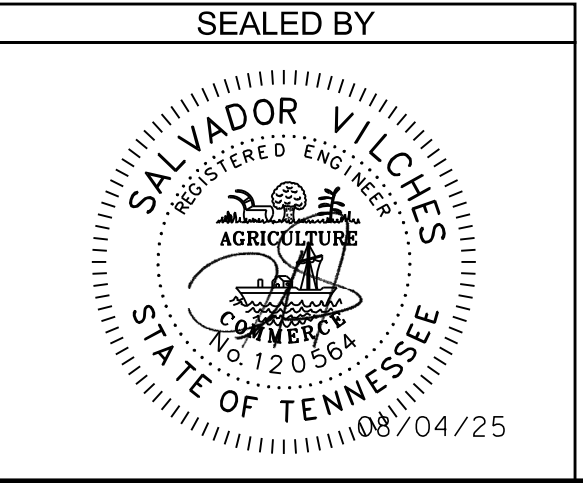
ESTIMATED QUANTITIES		
SUBSTRUCTURE ELEMENT	ITEM NO. 604-10.05 OR ITEM NO. 604-10.54 APPROX. REPAIR AREAS (SF)	ITEM NO. 604-10.62 APPROX. REPAIR AREA (LF)
ABUTMENT 2	214	-



/// DENOTES: AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 AND/OR 604-10.54, FOR REPAIR DETAILS SHOWING AREAS OF EXISTING SPALLED OR DELAMINATED CONCRETE SURFACES TO BE REMOVED AND REPAIRED, SEE SHEET BR-133-145.

NOTE: REMOVE VEGETATION FOR A DISTANCE OF 10 FEET ALONG EACH SIDE OF ABUTMENT 1 AND CONCRETE SLOPE.

PIN NO.: 113872.01
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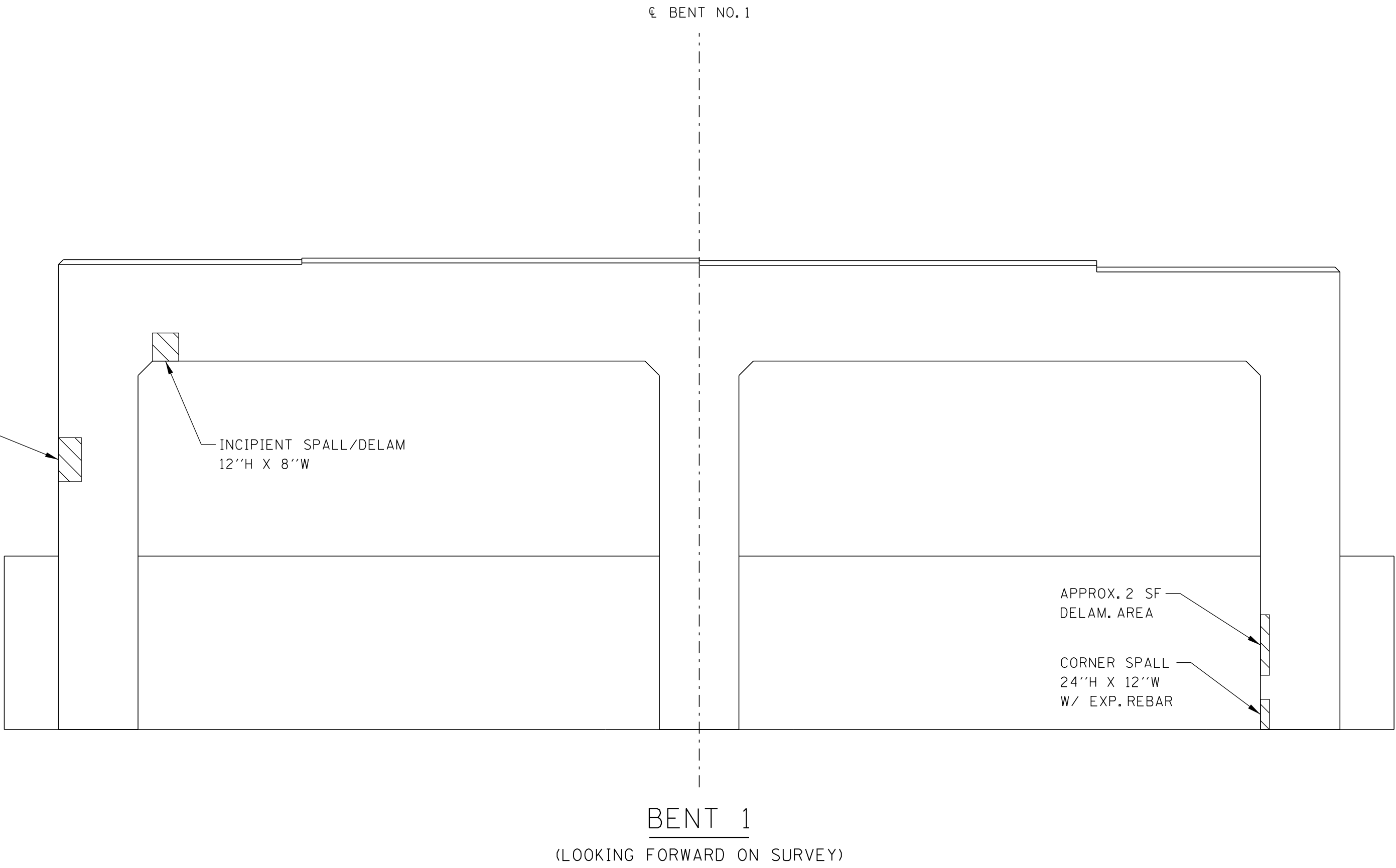
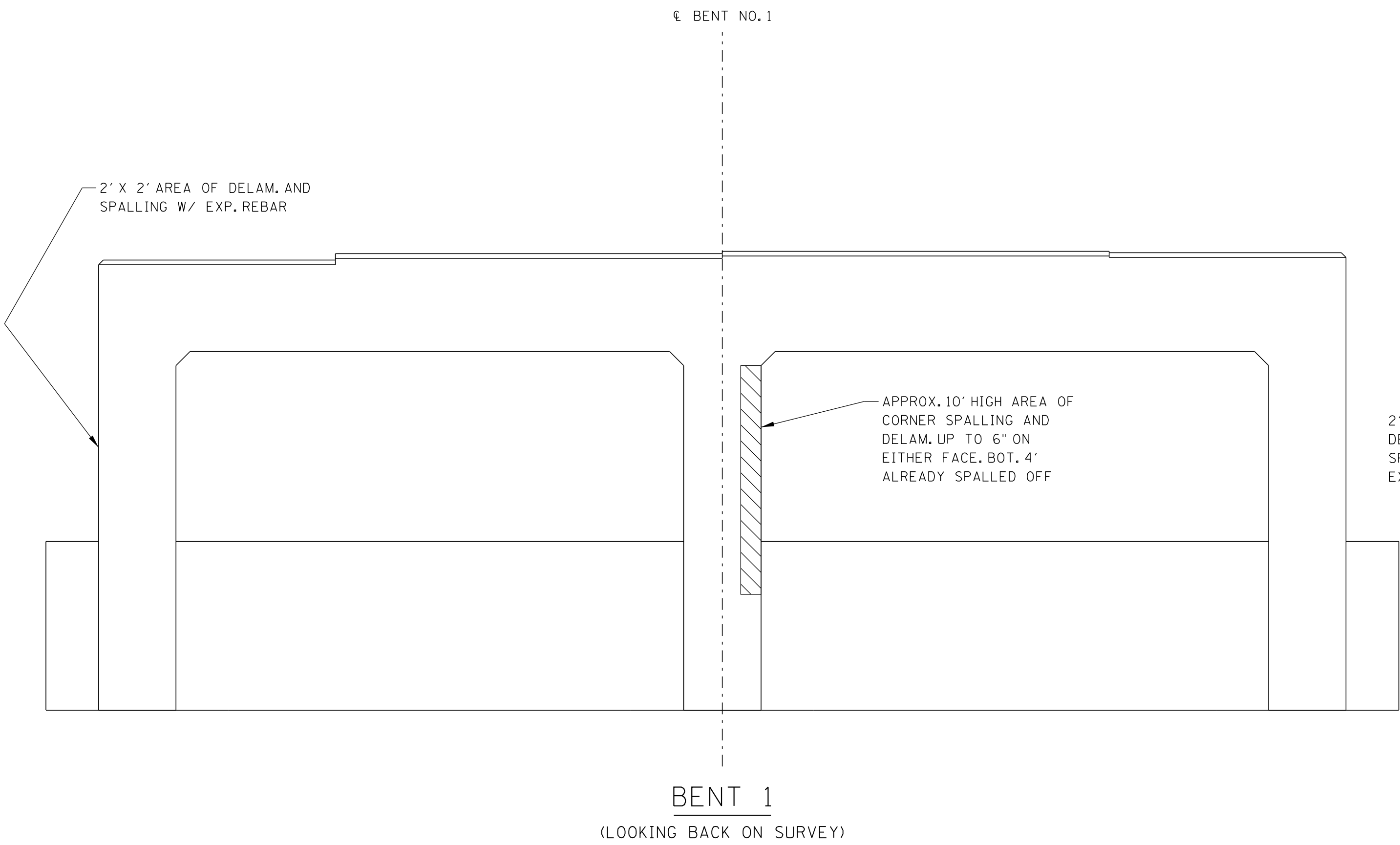


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ABUTMENT 2 REPAIRS
ELM HILL PIKE OVER
INTERSTATE 40
BRIDGE NO. 19-04167-1.25
FED. BRIDGE NO. 19I00400133
DAVIDSON COUNTY
2025

CONST. NO.:

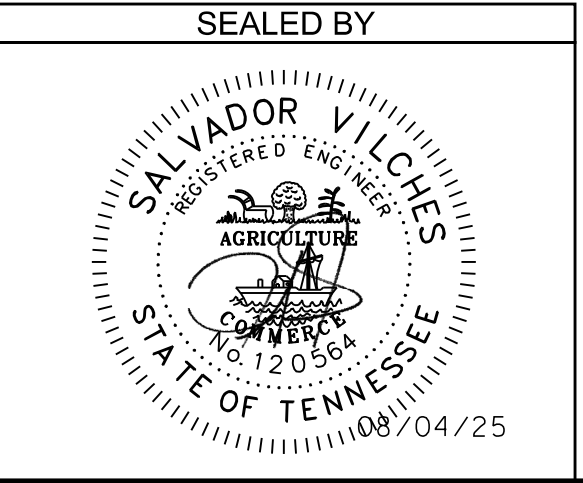
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ESTIMATED QUANTITIES		
SUBSTRUCTURE ELEMENT	ITEM NO. 604-10.05 OR ITEM NO. 604-10.54 APPROX. REPAIR AREAS (SF)	ITEM NO. 604-10.62 APPROX. REPAIR AREA (LF)
BENT 1	23	-



▨ DENOTES: AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 AND/OR 604-10.54. FOR REPAIR DETAILS SHOWING AREAS OF EXISTING SPALLED OR DELAMINATED CONCRETE SURFACES TO BE REMOVED AND REPAIRED, SEE SHEET BR-133-145. 

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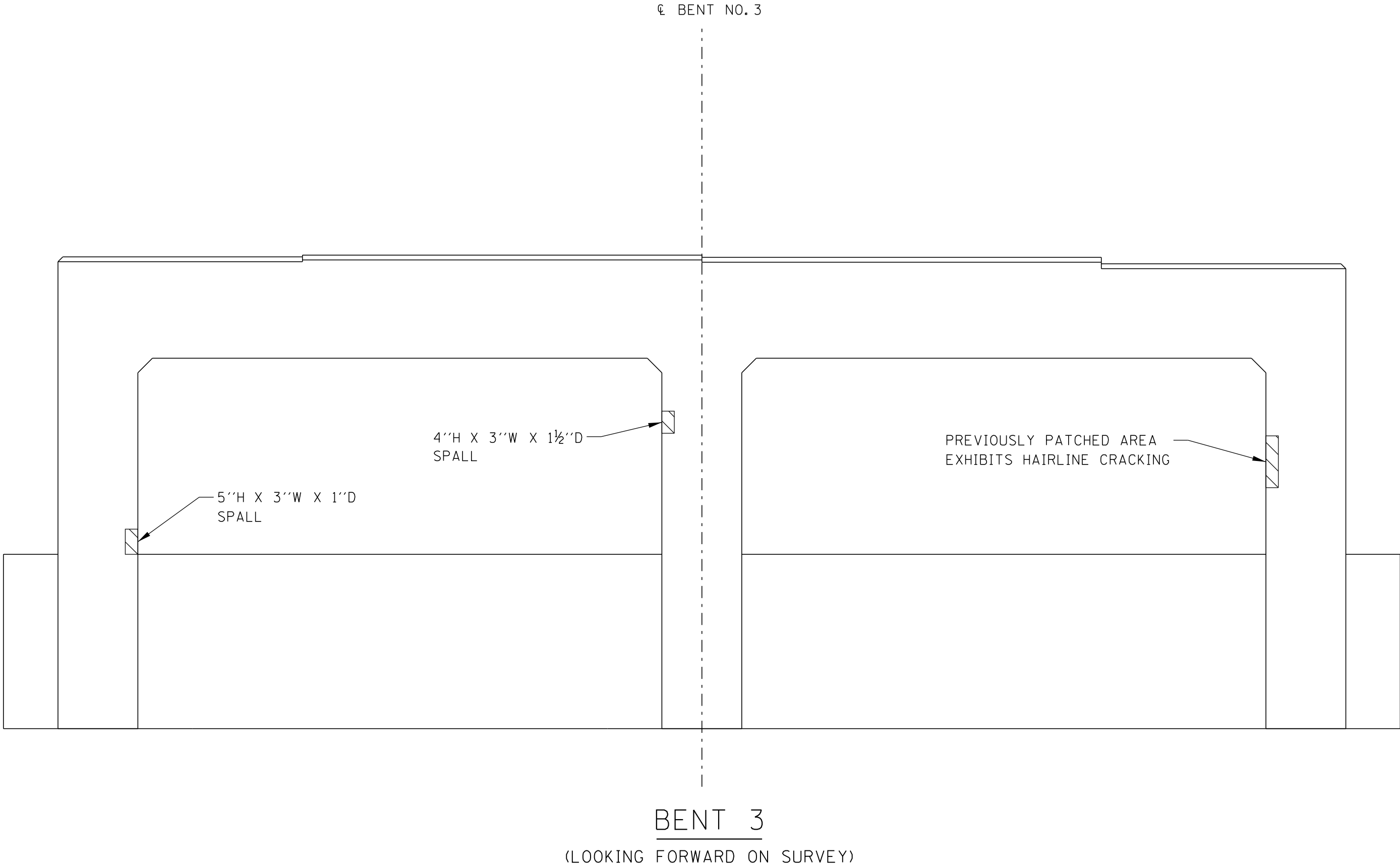
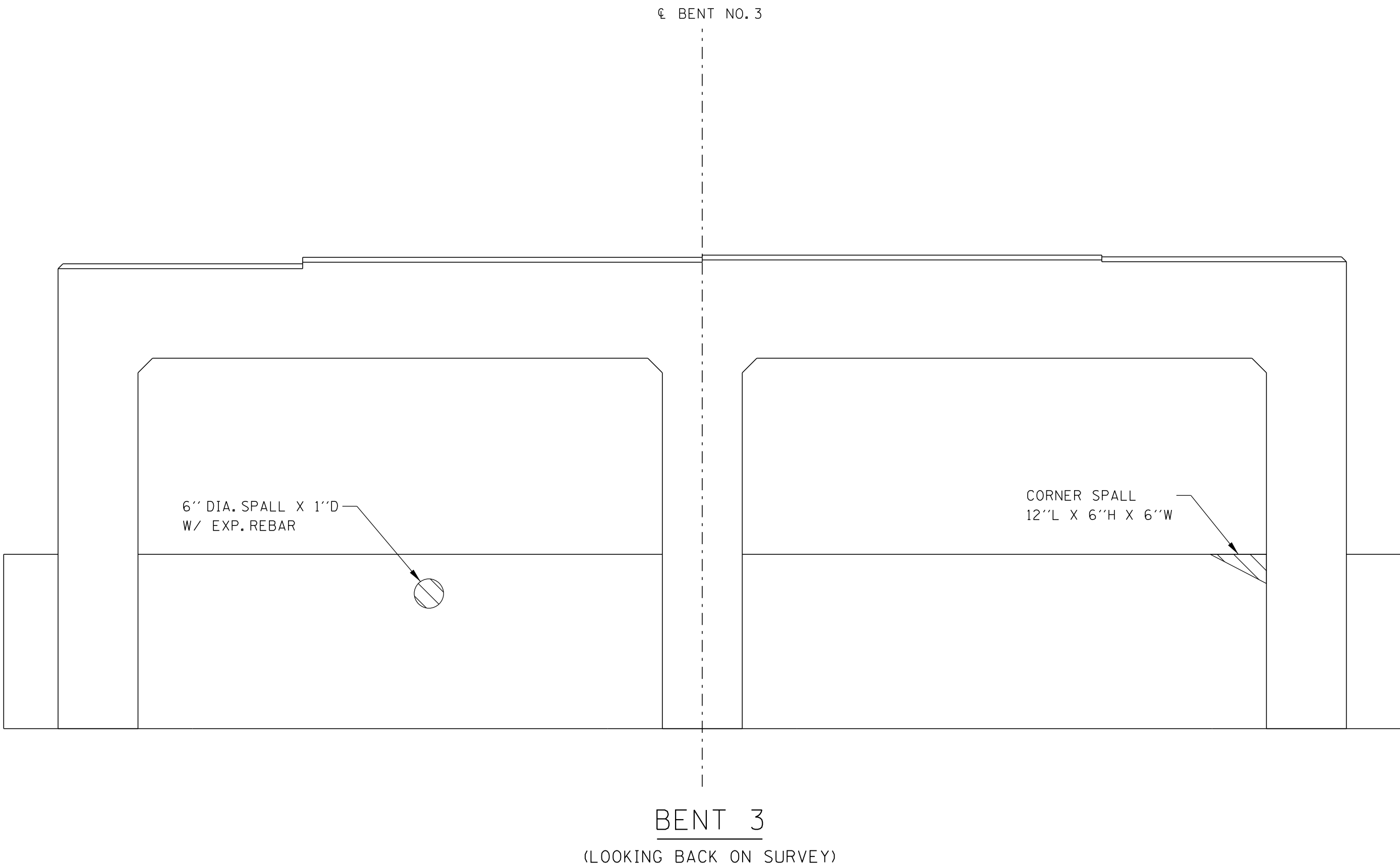


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BENT 1 REPAIRS
ELM HILL PIKE OVER
INTERSTATE 40
BRIDGE NO. 19-04167-1.25
FED. BRIDGE NO. 19I00400133
DAVIDSON COUNTY
2025

CONST. NO.:

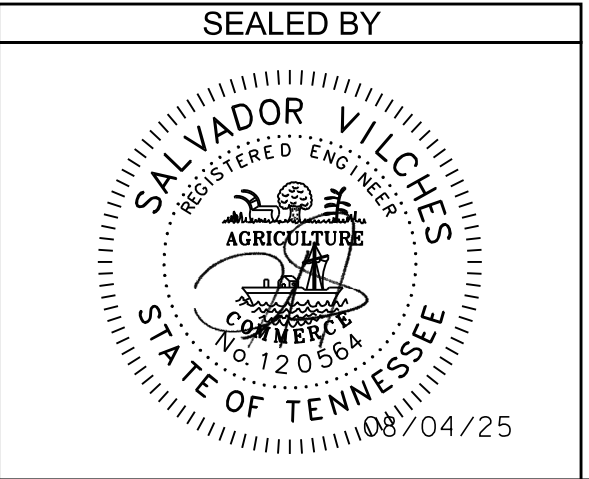
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ESTIMATED QUANTITIES		
SUBSTRUCTURE ELEMENT	ITEM NO. 604-10.05 OR ITEM NO. 604-10.54 APPROX. REPAIR AREAS (SF)	ITEM NO. 604-10.62 APPROX. REPAIR AREA (LF)
BENT 3	2	-



 DENOTES: AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 AND/OR 604-10.54. FOR
REPAIR DETAILS SHOWING AREAS OF EXISTING SPALLED OR DELAMINATED
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BENT 3 REPAIRS
ELM HILL PIKE OVER
INTERSTATE 40
BRIDGE NO. 19-04167-1.25
FED. BRIDGE NO. 19I00400133
DAVIDSON COUNTY
2025