



CAROLINA INFRASTRUCTURE ASSESSMENT LLC.
STRUCTURES DIVISION

Structure Safety Report

Routine Element Inspection

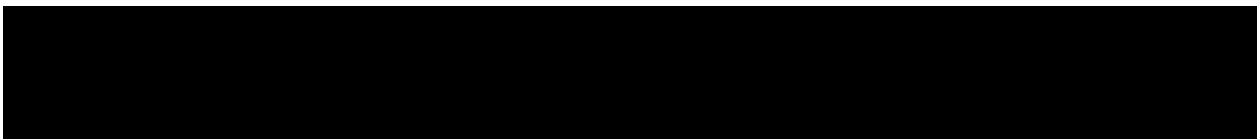
Structure #:	N/A	Date:	08/14/2026	Attention:	CRITICAL FINDS	
County:	[REDACTED]					
Facility Carried:	[REDACTED]					
Location:	[REDACTED]					
Feature Intersected:	[REDACTED]					
Latitude:	[REDACTED]	Longitude:	[REDACTED]			
Superstructure:	STEEL STRINGER, TWIN GIRDER SINGLE SPAN BRIDGE W/ TIMBER DECK					
Substructure:	ROUND CONCRETE PILES W/ CONCRETE BLOCK END BENTS					
Spans:	1					
Grades:	Deck:	3	Superstructure:	3	Substructure:	5



Weight Limit:	UNK
Delineators:	N/A
Narrow Bridge:	Y
One Lane Bridge:	Y
Low Clearance:	N

Inspection Direction: E---> W

Looking North



STRUCTURE PHOTOS



LOOKING EAST



LOOKING DOWNSTREAM



LOOKING UPSTREAM



LOOKING WEST



LOOKING WEST



OVERVIEW- DECK



SOUTH PROFILE



NORTH PROFILE



END BENT 1



DECK UNDERSIDE



EAST APPROACH



WEST APPROACH



END BENT 2



BEARING-TYPICAL

CONDITION PHOTOS



10' L AREA OF DECAY IN DECKING OVER END BENT 1



5.5" GAP IN DECKING OVER FLOORBEAM 3



3" GAP IN DECKING BTW FLOORBEAMS 2/3



3" GAP IN DECKING BTW FLOORBEAMS 3/4



2' X 5.75" AREA OF DECAY IN DECKING N. END AT FLOORBEAM 4



5' AREA OF DECAY IN DECKING BTW FLOORBEAM 5/6



MISSING DECKING BTW FLOORBEAM 5/6



2" DEEP AREA OF DECAY IN DECKING BTW FLOORBEAM 5/6



4" GAP IN DECKING OVER FLOORBEAM 6



3' L DECAY IN DECK BOARD BTW FLOORBEAM 6/7- NORTH SIDE



4" GAP IN DECKING BTW FLOORBEAM 6/7



6' L AREA DECAY BTW FLOORBEAM 5/6



1 MISSING BOLT @ WHEEL GUARD N. SIDE AT FLOORBEAM 6



MISSING DECKING BTW FLOORBEAM 7/8 AT FLOORBEAM 8



9' L AREA DECAY AT END BENT 2 BTW FLOORBEAMS 8/9



2' L AREA DECAY IN DECKING N. SIDE OVER END BENT 2



PROTECTIVE COATING FAILURE THROUGHOUT TOP FLANGE GIRDER 2



PROTECTIVE COATING FAILURE THROUGHOUT TOP FLANGE GIRDER 1



2' AREA DECAY IN DECKING OVER END BENT 1 SOUTH SIDE



OVERSIZED VEHICLE CROSSING



FLOORBEAM 1- 7/32" REMAINING 10' SECTION BOTTOM FLANGE



ALT. VIEW- 7/32" REMAINING BOTTOM FLANGE FLOORBEAM 1



STR 2 @ END BENT 1- 1/64" REMAINING 2' SEGMENT BOTTOM FLANGE



FLOORBEAM 2- 5" HOLE BTW STR 2/3



STR 1 @ END BENT 1 1/16" REMAINING BOTTOM FLANGE 2' SEGMENT



STR 3 BTW FB 1/2- 1/64" REMAINING TO BOTTOM FLANGE 3' SEGMENT



STR 4 1/8 DEEP PITTING BOTTOM FLANGE 4' SEGMENT BTW FB 1/2



FB 1/2- PC FAILURE/CORROSION THROUGHOUT FB 1/2 BTW STR 1-4



FB 3- RUST/BLEED THROUGH - PC FAILURE W/ CORROSION PRESENT



FB 4- PC FAILURE THROUGHOUT W/ CORROSION PRESENT



FB 5- PC FAILURE THROUGHOUT W/ CORROSION PRESENT



EB 2 GIRDER 2 BEARING/WEB PC FAILURE & CORROSION PRESENT



FB 6 - PC FAILURE THROUGHOUT W/ CORROSION PRESENT



FB 7 PC FAILURE THROUGHOUT W/ CORROSION PRESENT



FB 8 ACTIVE CORROSION W/ 1/8" PITTING FULL LENGTH



FB 9 3/64" REMAINING TO BOTTOM FLANGE FULL LENGTH



FB 9 OVERVIEW BOTTOM FLANGE 3/64" REMAINING



FB 8 6"X4" HOLE IN WEB BTW STR 2/3



FB 8 - 5"X3" HOLE IN WEB BTW STR 3/4



STR 2 - 7"X3" HOLE IN WEB BTW FB 8/9



STR 1 - 16"X8" HOLE IN WEB; BUCKLING AT FB 9 JUNCTION - PAR
3/8" REMAINING TO BOTTOM FLANGE



STR 2 - 1'X10" HOLE IN WEB; BUCKLING AT FB 9 JUNCTION - PAR
5/16" REMAINING TO BOTTOM FLANGE



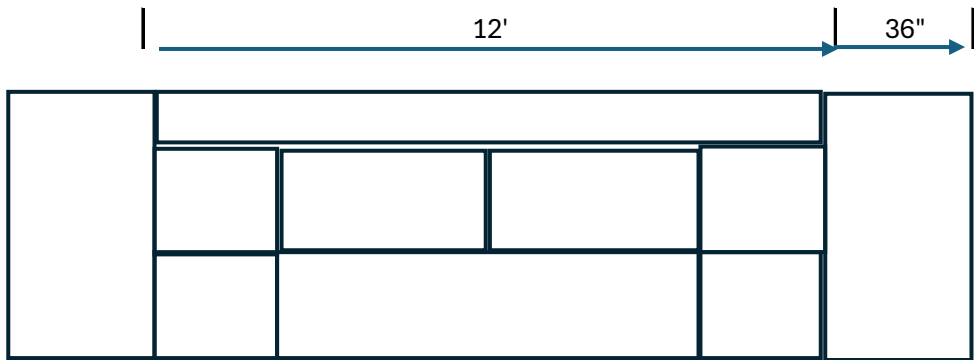
ALT. VIEW-STR 2 - 1'X10" HOLE IN WEB; BUCKLING AT FB 9 JUNCTION - PAR
5/16" REMAINING TO BOTTOM FLANGE



2 DECK BOARDS OVER STR 1/2 DECAYED OVER EB 2

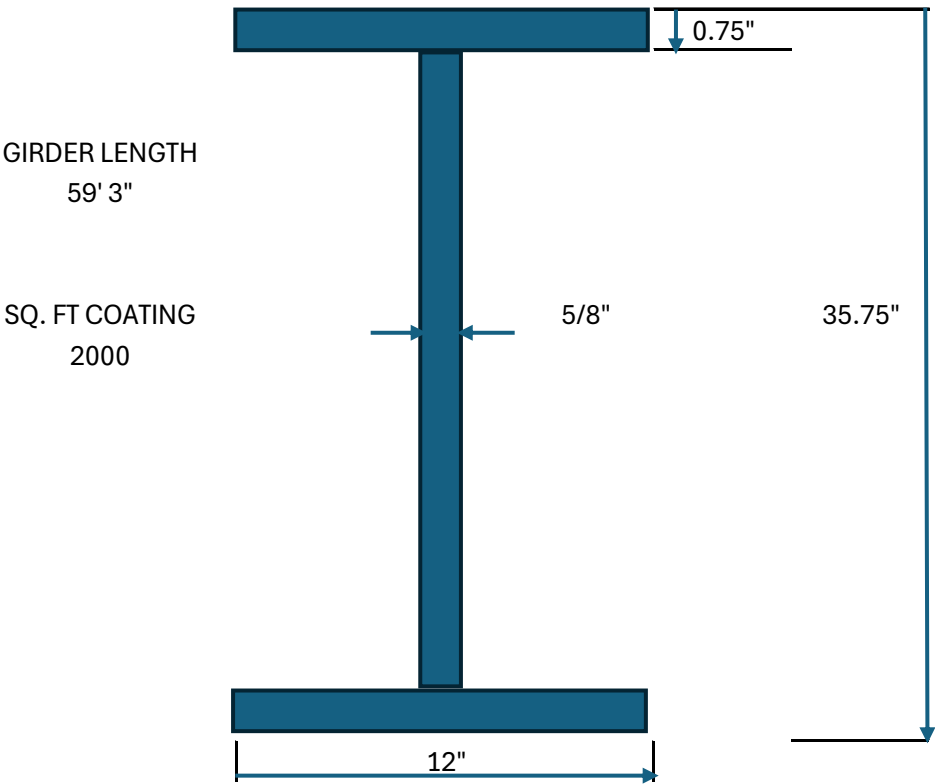
SKETCHES

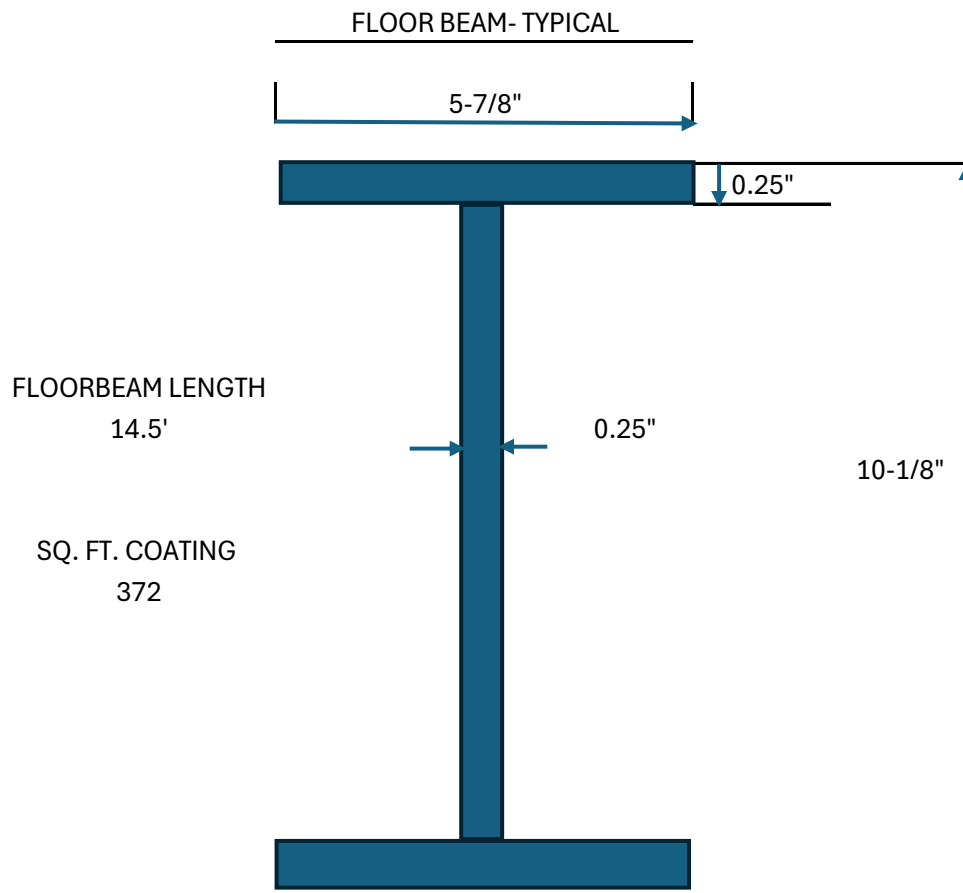
END BENT - TYPICAL

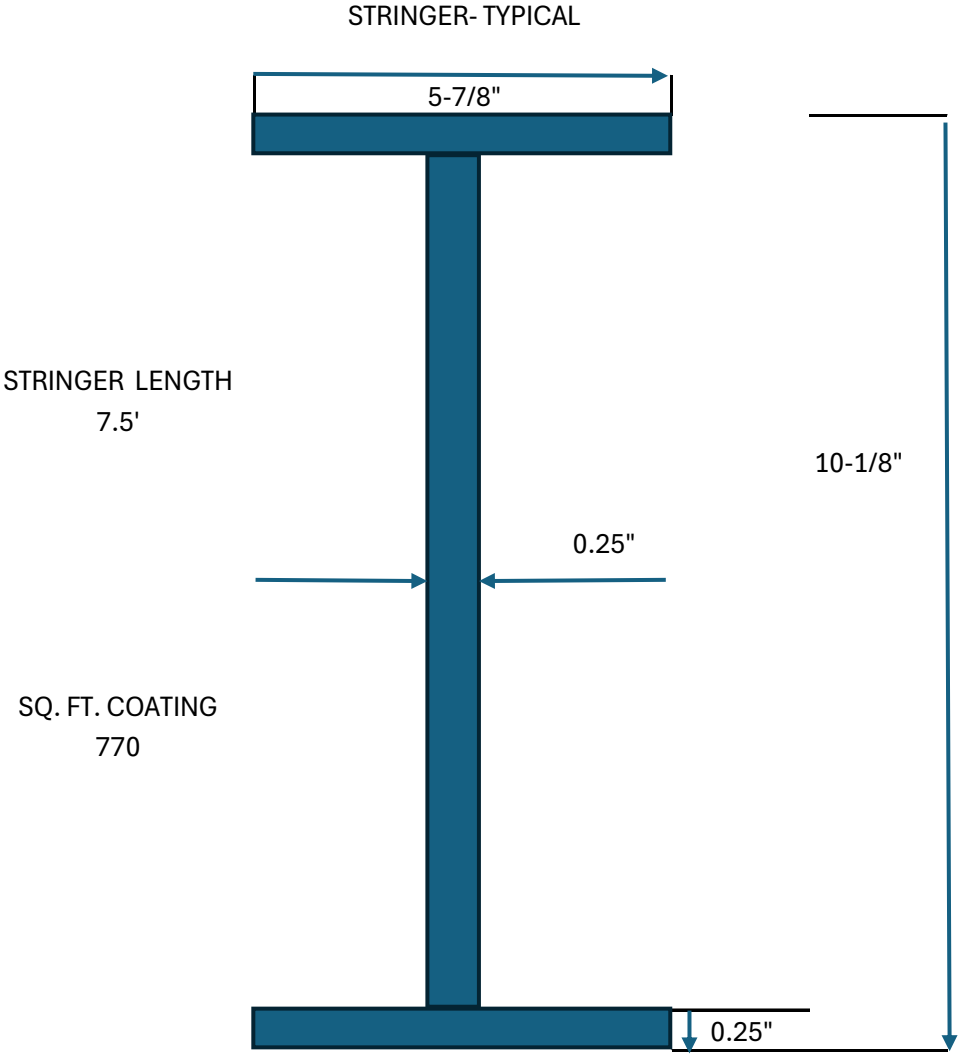


END BENT - TWO 36" DIAMETER CONCRETE SUPPORTS W/ STEEL FORMS
12' WIDE CONCRETE BLOCKS BETWEEN

GIRDER- TYPICAL







DECK WIDTH	13.25'	
BRIDGE LENGTH	60'	
RAILING HEIGHT	N/A	COMPONENT NOT PRESENT

STREAMBED PROFILE

STATION	SOUNDING	LOCATION	MEASUREMENTS TAKEN TOP OF DECK
1	-3	TOP OF CAP	
4	-6.75	GROUND AT CAP	
8	-8.5		
13	-10.5		
18	-11.5		
19	-11.583	WSWE	
24	-12.25		
28	-12.083		
33	-12.5		
38	-13.583		
43	-12		
48	-12.083	WSWE	
52	-10.5		
56	-8.33	GROUND AT CAP	
58	-3.25	TOP OF CAP	

