NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY DURHAM | BRIDGE NUMBER 310067 | INSPECTION CYCLE 2 YRS

ROUTE SOUTHERN R | ACROSS NC55 | M.P. 0

LOCATION 0.2 MI W JCT NC 147

SUPERSTRUCTURE DECK PLATE GIRDER

SUBSTRUCTURE CONCRETE FOOTING,STEEL PIERS

SPANS 1@33',2@30'

LONGITUDE 78° 53' 22.01" | LATITUDE 35° 59' 3.02"

INSPECTION DATE 09/09/2014 | PRESENT CONDITION CLEARANCE ONLY

PRESENT POSTING N NOT POSTED | PROPOSED POSTING

OTHER SIGNS PRESENT 2 LOW CLEARANCE

LOOKING EAST

Fracture Critical	No
Temporary Shoring	No
Scour Critical	No
Scour POA	No

SIGN NOTICE ISSUED FOR		NUMBERED REQUIRED
No	WEIGHT LIMIT	
No	DELINEATORS	
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 310067
(8) STRUCTURE NUMBER(FEDERAL) 000000000630067
(5) INVENTORY ROUTE (ON/UNDER) - ON 31000550
(2) STATE HIGHWAY DEPARTMENT DISTRICT 2
(3) COUNTY CODE 63 (4) PLACE CODE 19000
(6) FEATURE INTERSECTED - NC55
(7) FACILITY CARRIED SOUTHERN R
(9) LOCATION 0.2 MI W JCT NC 147
(11)MILEPOINT 0
(16)LAT 35° 59' 3.02" (17)LONG 78° 53' 22.01"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
TYPE - Stringer Mutlibeam or Girder CODE 302
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 3
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - N CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1913
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Railroad
UNDER - Highway CODE 21
(28) LANES: ON STRUCTURE 0 UNDER STRUCTURE 2
(29) AVERAGE DAILY TRAFFIC 20000
(30) YEAR OF ADT 2011 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 6 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 33 FT
(49) STRUCTURE LENGTH 93 FT
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 0 FT
(52) DECK WIDTH OUT TO OUT 0 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 0 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 0° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 13.667 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 19.5 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Highway 13.167 FT
(55) MIN LAT UNDERCLEAR RT REF Highway .5 FT
(56) MIN LAT UNDERCLEAR LT REF - 0 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - Not Applicable CODE N
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 0
STATUS = Functionally Obsolete

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - NO
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Minor Arterial 16
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(110)DESIGNATED NATIONAL NETWORK - On the National Network 1
(20) TOLL On Free Road 3
(31) MAINTAIN - Railroad 27
(22) OWNER - Railroad 27
(37) HISTORICAL SIGNIFICANCE - Not Eligible 5

CONDITION CODE

(58) DECK N
(59) SUPERSTRUCTURE N
(60) SUBSTRUCTURE N
(61) CHANNEL & CHANNEL PROTECTION N
(62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD Railroad 8
(63) OPERATING RATING METHOD - No Rating Analysis or Evaluatic 5
(64) OPERATING RATING - HS- 0
(65) INVENTORY RATING METHOD - No Rating Analysis or Evaluatic 5
(66) INVENTORY RATING - HS- 0
(70) BRIDGE POSTING - No Posting Required 5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED A
DESCRIPTION - Open, No Restriction

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 9
(68) DECK GEOMETRY 2
(69) UNDERCLEARANCES,VERTI & HORIZ 3
(71) WATERWAY ADEQUACY N
(72) APPROACH ROADWAY ALIGNMENT 0
(36) TRAFFIC SAFETY FEATURES NNNN
(113)SCOUR CRITICAL BRIDGES N

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 40000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 09/09/2014
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

Structure No: 310067 County: DURHAM Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	*See Note 1*					STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade			
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	NC55 EBL,WBL	31000550	13.67		0			16	2	20000	2011	19.5	H	13.17	.5		9	0	2	0

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 11/06/2014

COUNTY : DURHAM | DIVISION : 5 | DISTRICT: 2 | STRUCTURE NUMBER : 310067 | LENGTH : 93 FEET

ROUTE CARRIED : SOUTHERN R | FEATURE INTERSECTED : NC55

LOCATED : 0.2 MI W JCT NC 147 | BRIDGE NAME : | CITY : DURHAM

FUNC. CLASS : 16 | SYST.ON : FA | SYST.UNDER : NFA | ADT & YR : 20000 2011 | RAIL TYPE : LT 0 RT 0

BUILT : 1913 | BY : SRR | PROJ : 4805 | FED.AID PROJ : | DESIGN LOAD : Railroad

REHAB : | BY : | PROJ : | ALIGNMENT : TAN. | SKEW : 90 | LANES : ON 0 UNDER 2

NAVIGATION : VC 0 FT HC 0 FT | HT. CRN. TO BED : 0 FT | WATER DEPTH : 0 FT

SUPERSTRUCTURE : DECK PLATE GIRDER

SUBSTRUCTURE : CONCRETE FOOTING,STEEL PIERS

SPANS : 1@33',2@30'

BEAMS OR GIRDERS :

FLOOR : | ENCROACHMENT : | DECK (OUT TO OUT) : 0 FT

CLEAR ROADWAY : 0 FT | BETWEEN RAILS : 0 FT | SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS- | OPE.RTG. : HS- | CONTR.MEMBER : | POSTED : SV TTST DATE

SYSTEM : Primary Railroads | GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	NC55 EBL,WBL	13.6670	13.1670	19.50	0	0.50

Note: All measurements are in feet.

REMARKS :

LOOKING WEST

CLEARANCE SIGN ON EAST SIDE

LOOKING EAST

EAST SIDE CLEARANCE SIGN