



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION TEMPORARY REPAIRS

7/31/12

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Municipal

COUNTY DARE BRIDGE NUMBER 270017 INSPECTION CYCLE 0 YRS

ROUTE S.DOGWOOD TRAIL ACROSS SNOW GOOSE CANAL M.P. 0

LOCATION 0.1MI.N.JCT.FAIRWAY DR.

SUPERSTRUCTURE PRESTRESSED CONCRETE CHANNELS

SUBSTRUCTURE E.BTS&BTS:RC CAPS/TIMBER PILES

3@30'

SPANS 3@30

LONGITUDE 75° 44' 27.07"

LATITUDE 36° 7' 10.05"

PRESENT CONDITION FAIR

INVENTORY RATING _____

INSPECTION DATE 03/21/2012

OPERATING RATING _____

PRESENT POSTING SV 17 TTST 19 SV 17 TTST 19

PROPOSED POSTING _____

COMPUTER UPDATE _____

ANALYSIS DATE _____

POSTING LETTER DATE _____

SUFFICIENCY RATING _____

OTHER SIGNS PRESENT NONE



LOOKING NORTH

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
<u>No</u> WEIGHT LIMIT	_____
<u>No</u> DELINEATORS	_____
<u>No</u> NARROW BRIDGE	_____
<u>No</u> ONE LANE BRIDGE	_____
<u>No</u> LOW CLEARANCE	_____

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 270017
 (8) STRUCTURE NUMBER(FEDERAL) 00000000550017
 (5) INVENTORY ROUTE (ON/UNDER) - ON 50000000
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 1
 (3) COUNTY CODE 55 (4) PLACE CODE 63130
 (6) FEATURE INTERSECTED - SNOW GOOSE CANAL
 (7) FACILITY CARRIED S.DOGWOOD TRAIL
 (9) LOCATION 0.1MI.N.JCT.FAIRWAY DR.
 (11)MILEPOINT 0
 (16)LAT 36° 7' 10.05" (17)LONG 75° 44' 27.07"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 35.09
 STATUS = Functionally Obsolete

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is not on NHS 0
 (26) FUNCTIONAL CLASS - Local 19
 (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 - Not on the National Network 0
 (20) TOLL On Free Road 3
 (31) MAINTAIN - City Highway Agency 04
 (22) OWNER - City Highway Agency 04
 (37) HISTORICAL SIGNIFICANCE - Not Eligible 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Prestressed Concrete
 TYPE - Channel Beam CODE 522
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 0
 (45) NUMBER OF SPANS IN MAIN UNIT 3
 (46) NUMBER OF APPROACH SPANS 0
 (107)DECK STRUCTURE TYPE - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION CODE

(58) DECK 7
 (59) SUPERSTRUCTURE 5
 (60) SUBSTRUCTURE 5
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD HS 20 + MOD 6
 (63) OPERATING RATING METHOD - Load Factor
 (64) OPERATING RATING - HS-13 123
 (65) INVENTORY RATING METHOD - Load Factor
 (66) INVENTORY RATING - HS-3 105
 (70) BRIDGE POSTING - Posting Required 1
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1970
 (106)YEAR RECONSTRUCTED 0
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Waterway CODE 15
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 250
 (30) YEAR OF ADT 1991 (109) TRUCK ADT PCT 7%
 (19) BYPASS OR DETOUR LENGTH 2 MI

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 3
 (68) DECK GEOMETRY 5
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 7
 (36) TRAFFIC SAFETY FEATURES 0000
 (113)SCOUR CRITICAL BRIDGES U

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 30 FT
 (49) STRUCTURE LENGTH 90 FT
 (50)CURB OR SIDEWALK: LEFT .5 FT RIGHT .5 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.1 FT
 (52) DECK WIDTH OUT TO OUT 25.4 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 18 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.1 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
 (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
 (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
 (56) MIN LAT UNDERCLEAR LT REF - 000 FT

PROPOSED IMPROVEMENTS CODE

(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 500 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 03/21/2012
 (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

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
 (111)PIER PROTECTION - CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
 (40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

6/28/11



NC DEPARTMENT OF TRANSPORTATION ATTENTION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Municipal

COUNTY DARE BRIDGE NUMBER 270017 INSPECTION CYCLE 0 YRS

SOUTH DOGWOOD TRAIL

ROUTE DOGWOOD TR ACROSS SNOW GOOSE CANAL M.P. 0

LOCATION 0.1MI.N.JCT.FAIRWAY DR.

SUPERSTRUCTURE PRESTRESSED CONCRETE CHANNELS

SUBSTRUCTURE E.BTS&BTS:RC CAPS/TIM.PILES

3@30'

SPANS 1@29',1@30',1@29'

LONGITUDE 75° 44' 30.0" 75° 44' 26.9" LATITUDE 36° 7' 12.0" 36° 7' 9.9"

PRESENT CONDITION GOOD

INVENTORY RATING _____

INSPECTION DATE 03/09/2010

OPERATING RATING _____

PRESENT POSTING SV 17 TTST 17 SV 17 TTST 19

PROPOSED POSTING _____

COMPUTER UPDATE _____

ANALYSIS DATE _____

POSTING LETTER DATE _____

SUFFICIENCY RATING _____

OTHER SIGNS PRESENT 2 WEIGHT LIMIT



LOOKING NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

- No WEIGHT LIMIT _____
- No DELINEATORS _____
- No NARROW BRIDGE _____
- No ONE LANE BRIDGE _____
- No LOW CLEARANCE _____

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL Run Date: 06/28/2011

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 270017
 (8) STRUCTURE NUMBER(FEDERAL) 00000000550017
 INVENTORY ROUTE (ON/UNDER) - ON 150000000
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 1
 (3) COUNTY CODE 55 (4) PLACE CODE 63130
 (6) FEATURE INTERSECTED - SNOW GOOSE CANAL
 (7) FACILITY CARRIED DOGWOOD TR
 (9) LOCATION 0.1MI.N.JCT.FAIRWAY DR.
 (11)MILEPOINT
 (16)LAT 36° 7' 12.0" (17)LONG 75° 44' 30.0"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 42.9
 STATUS = Structurally Deficient

CLASSIFICATION

CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM NON NHS Route 0
 (26) FUNCTIONAL CLASS - Local 19
 (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 - Not Temporary
 (110)DESIGNATED NATIONAL NETWORK - Not Part of 0
 (20) TOLL On Free Road 3
 (31) MAINTAIN - City Highway Agency 04
 (22) OWNER - City Highway Agency 04
 (37) HISTORICAL SIGNIFICANCE - Not Eligible 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Prestressed Concrete
 TYPE - Channel Beam CODE 522
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 3
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - Concrete cast-in-place CODE 1
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - Bituminous CODE 6
 (B) TYPE OF MEMBRANE - None CODE 0
 (C) TYPE OF DECK PROTECTION - None CODE 0

CONDITION

CODE

(58) DECK 7
 (59) SUPERSTRUCTURE 6
 (60) SUBSTRUCTURE 7
 (61) CHANNEL & CHANNEL PROTECTION 8
 (62) CULVERTS N

LOAD RATING AND POSTING

CODE

(31) DESIGN LOAD HS 20+MOD 6
 (64) OPERATING RATING - HS-14 125
 (66) INVENTORY RATING - HS-3 105
 (70) BRIDGE POSTING - Posting Required 1
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1970
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Waterway CODE 15
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE
 (29) AVERAGE DAILY TRAFFIC 250
 (30) YEAR OF ADT 1991 (109) TRUCK ADT PCT 7 %
 (19) BYPASS OR DETOUR LENGTH 2 MI

APPRAISAL

CODE

(67) STRUCTURAL EVALUATION 2
 (68) DECK GEOMETRY 5
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 8
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0000
 (113)SCOUR CRITICAL BRIDGES U
 SCOUR PLAN OF ACTION

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 30 FT
 (49) STRUCTURE LENGTH 90 FT
 (50)CURB OR SIDEWALK: LEFT 0.5 FT RIGHT 0.5 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.1 FT
 (52) DECK WIDTH OUT TO OUT 25.3 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 19.0 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.1 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 99 IN
 (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad
 (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 99.9 FT
 (56) MIN LAT UNDERCLEAR LT REF - 0.0 FT

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE 311
 (76) LENGTH OF STRUCTURE IMPROVEMENT 114 FT
 (94) BRIDGE IMPROVEMENT COST \$245,000
 (95) ROADWAY IMPROVEMENT COST \$61,000
 (96) TOTAL PROJECT COST \$368,000
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 2007
 (114)FUTURE ADT 500 (115) YEAR FUTURE ADT 2025

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
 (111)PIER PROTECTION - Not Applicable CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

INSPECTIONS

(90) INSPECTION DATE 03/09/2010
 (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