



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRIDGE MANAGEMENT UNIT

ATTENTION

POST 3 AT ABUTMENT 1 HAS BEEN SUPPLEMENTED  
SOMETIME IN THE PAST. THIS IS CONSIDERED AT  
TEMP. REPAIR.

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY JACKSON BRIDGE NUMBER 490337 INSPECTION CYCLE 2 YRS  
ROUTE SR1448 ACROSS FISHER CREEK M.P. 0

LOCATION .02 MI.E.JCT.SR1446

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR.CTS.

SPANS 1 @ 18'-6

LONGITUDE 83° 11' 42.0"

LATITUDE 35° 24' 6.0"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 01/11/2012

OPERATING RATING

PRESENT POSTING SV 12 TTST 21 SV 12 TTST 21

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT DELINEATORS [4]



LOOKING EAST

| SIGN NOTICE<br>ISSUED FOR | NUMBERED<br>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: 02/07/2012

| IDENTIFICATION                                    |           |                 |       |                                                                |                            |
|---------------------------------------------------|-----------|-----------------|-------|----------------------------------------------------------------|----------------------------|
| (1) STATE NAME -NORTH CAROLINA                    | BRIDGE    | 490337          |       | SUFFICIENCY RATING =                                           | 7                          |
| (8) STRUCTURE NUMBER(FEDERAL)                     |           | 000000000990337 |       | STATUS =                                                       | Structurally Deficient     |
| (5) INVENTORY ROUTE (ON/UNDER) - ON               |           | 31014480        |       |                                                                |                            |
| (2) STATE HIGHWAY DEPARTMENT DISTRICT             |           | 2               |       |                                                                |                            |
| (3) COUNTY CODE                                   | 99        | (4) PLACE CODE  | 00000 |                                                                |                            |
| (6) FEATURE INTERSECTED - FISHER CREEK            |           |                 |       |                                                                |                            |
| (7) FACILITY CARRIED SR1448                       |           |                 |       |                                                                |                            |
| (9) LOCATION .02 MI.E.JCT.SR1446                  |           |                 |       |                                                                |                            |
| (11)MILEPOINT                                     |           | 0               |       |                                                                |                            |
| (16)LAT 35° 24' 3.0"                              | (17)LONG  | 83° 11' 43.1"   |       |                                                                |                            |
| (98)BORDER BRIDGE STATE CODE                      | PCT SHARE |                 |       |                                                                |                            |
| (99)BORDER BRIDGE STRUCTURE NO                    |           |                 |       |                                                                |                            |
| STRUCTURE TYPE AND MATERIAL                       |           |                 |       | CLASSIFICATION                                                 |                            |
| (43) STRUCTURE TYPE MAIN: Wood or Timber          |           |                 |       | (112)NBIS BRIDGE SYSTEM -                                      | NO                         |
| TYPE - Stringer Mutlibeam or Girder               | CODE      | 702             |       | (104)HIGHWAY SYSTEM Is not on NHS                              | 0                          |
| (44) STRUCTURE TYPE APPR :                        |           |                 |       | (26) FUNCTIONAL CLASS - Local                                  | 09                         |
| TYPE -                                            | CODE      | 000             |       | (100)STRAHNET HIGHWAY - Not a STRAHNET Route                   | 0                          |
| (45) NUMBER OF SPANS IN MAIN UNIT                 |           | 1               |       | (101)PARALLEL STRUCTURE - No Parallel Structure                | N                          |
| (46) NUMBER OF APPROACH SPANS                     |           |                 |       | (102)DIRECTION OF TRAFFIC - 2-way Traffic                      | 2                          |
| (107)DECK STRUCTURE TYPE - 8                      | CODE      |                 |       | (103)TEMPORARY STRUCTURE - Temporary Structure/Conditions      | T                          |
| (108)WEARING SURFACE / PROTECTIVE SYSTEM :        |           |                 |       | (110)DESIGNATED NATIONAL NETWORK - Not on the National Network | 0                          |
| (A) TYPE OF WEARING SURFACE -                     | CODE      |                 |       | (20) TOLL On Free Road                                         | 3                          |
| (B) TYPE OF MEMBRANE -                            | CODE      |                 |       | (31) MAINTAIN - State Highway Agency                           | 01                         |
| (C) TYPE OF DECK PROTECTION -                     | CODE      |                 |       | (22) OWNER - State Highway Agency                              | 01                         |
|                                                   |           |                 |       | (37) HISTORICAL SIGNIFICANCE - Not Eligible                    | 5                          |
|                                                   |           |                 |       | CONDITION                                                      |                            |
|                                                   |           |                 |       | (58) DECK                                                      | 7                          |
|                                                   |           |                 |       | (59) SUPERSTRUCTURE                                            | 7                          |
|                                                   |           |                 |       | (60) SUBSTRUCTURE                                              | 5                          |
|                                                   |           |                 |       | (61) CHANNEL & CHANNEL PROTECTION                              | 7                          |
|                                                   |           |                 |       | (62) CULVERTS                                                  | N                          |
|                                                   |           |                 |       | LOAD RATING AND POSTING                                        |                            |
|                                                   |           |                 |       | (31) DESIGN LOAD Other or Unknown                              | 0                          |
|                                                   |           |                 |       | (63) OPERATING RATING METHOD - Allowable Stress                |                            |
|                                                   |           |                 |       | (64) OPERATING RATING - HS-1                                   | 201                        |
|                                                   |           |                 |       | (65) INVENTORY RATING METHOD - Allowable Stress                |                            |
|                                                   |           |                 |       | (66) INVENTORY RATING - HS-1                                   | 201                        |
|                                                   |           |                 |       | (70) BRIDGE POSTING - Posting Required                         | 0                          |
|                                                   |           |                 |       | (41) STRUCTURE OPEN, POSTED ,OR CLOSED                         | P                          |
|                                                   |           |                 |       | DESCRIPTION - Posted for Load                                  |                            |
|                                                   |           |                 |       | APPRAISAL                                                      |                            |
|                                                   |           |                 |       | (67) STRUCTURAL EVALUATION                                     | 4                          |
|                                                   |           |                 |       | (68) DECK GEOMETRY                                             | 3                          |
|                                                   |           |                 |       | (69) UNDERCLEARANCES,VERTI & HORIZ                             | N                          |
|                                                   |           |                 |       | (71) WATERWAY ADEQUACY                                         | 7                          |
|                                                   |           |                 |       | (72) APPROACH ROADWAY ALIGNMENT                                | 7                          |
|                                                   |           |                 |       | (36) TRAFFIC SAFETY FEATURES                                   | 0000                       |
|                                                   |           |                 |       | (113)SCOUR CRITICAL BRIDGES                                    | U                          |
|                                                   |           |                 |       | 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 380                                            | (115) YEAR FUTURE ADT 2025 |
|                                                   |           |                 |       | INSPECTIONS                                                    |                            |
|                                                   |           |                 |       | (90) INSPECTION DATE                                           | 01/14/2010                 |
|                                                   |           |                 |       | (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                                                          |                            |
| 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            |       |                                                                |                            |

## BRIDGE MANAGEMENT UNIT

## DATA ON EXISTING STRUCTURE

Run Date: 02/07/2012

|          |            |            |                    |          |      |
|----------|------------|------------|--------------------|----------|------|
| COUNTY : | DIVISION : | DISTRICT : | STRUCTURE NUMBER : | LENGTH : |      |
| JACKSON  | 14         | 2          | 490337             | 19       | FEET |

|                 |                       |
|-----------------|-----------------------|
| ROUTE CARRIED : | FEATURE INTERSECTED : |
| SR1448          | FISHER CREEK          |

|                     |               |        |
|---------------------|---------------|--------|
| LOCATED :           | BRIDGE NAME : | CITY : |
| .02 MI.E.JCT.SR1446 |               |        |

|               |           |              |            |               |
|---------------|-----------|--------------|------------|---------------|
| FUNC. CLASS : | SYST.ON : | SYST.UNDER : | ADT & YR : | RAIL TYPE :   |
| 09            | NFA       | NFA          | 190 2000   | LT 227 RT 227 |

|         |      |        |                |                  |
|---------|------|--------|----------------|------------------|
| BUILT : | BY : | PROJ : | FED.AID PROJ : | DESIGN LOAD :    |
| 1963    | BMU  |        |                | Other or Unknown |

|         |      |        |             |        |            |
|---------|------|--------|-------------|--------|------------|
| REHAB : | BY : | PROJ : | ALIGNMENT : | SKEW : | LANES :    |
|         | BMU  |        | TAN         | 90     | ON 2 UNDER |

|                           |                   |               |
|---------------------------|-------------------|---------------|
| NAVIGATION :              | HT. CRN. TO BED : | WATER DEPTH : |
| VC 0 FT HC 0 FT 7 FT 1 FT |                   |               |

|                  |                               |
|------------------|-------------------------------|
| SUPERSTRUCTURE : | TIMBER FLOOR ON TIMBER JOISTS |
|------------------|-------------------------------|

|                |                                                |
|----------------|------------------------------------------------|
| SUBSTRUCTURE : | E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR.CTS. |
|----------------|------------------------------------------------|

|         |           |
|---------|-----------|
| SPANS : | 1 @ 18'-6 |
|---------|-----------|

|                    |                                                |
|--------------------|------------------------------------------------|
| BEAMS OR GIRDERS : | 11 LINES 6X12 TIMBER JOISTS @ 1'-9.625 CENTERS |
|--------------------|------------------------------------------------|

|         |                |                     |
|---------|----------------|---------------------|
| FLOOR : | ENCROACHMENT : | DECK (OUT TO OUT) : |
|         | 2 PVC PIPE     | 20 FT               |

|                 |                 |                    |
|-----------------|-----------------|--------------------|
| CLEAR ROADWAY : | BETWEEN RAILS : | SIDEWALK OR CURB : |
| 19 FT           | 19.7 FT         | LT .3 FT RT .3 FT  |

|                |
|----------------|
| VERT.CL.OVER : |
| 999.9 FT       |

|            |            |                |          |      |            |
|------------|------------|----------------|----------|------|------------|
| INV.RTG. : | OPE.RTG. : | CONTR.MEMBER : | POSTED : | TTST | DATE       |
| HS-1       | HS-1       | Int Joist      | SV 12    | 21   | 05/12/2006 |

|                      |                    |
|----------------------|--------------------|
| SYSTEM :             | GREEN LINE ROUTE : |
| Secondary S.R. Route | N                  |

|                             |
|-----------------------------|
| UNDER ROUTES AND CLEARANCES |
|-----------------------------|

|           |
|-----------|
| REMARKS : |
|-----------|

# BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection  
 BRIDGE NO. 490337 COUNTY JACKSON ROUTE SR1448 OVER FISHER CREEK  
 STRUCTURE TYPE TIMBER FLOOR ON TIMBER JOISTS  
 ROUTE ORIENTATION W - E SPANS 1 @ 18'-6

EVALUATION CODES: CRITICAL (C, 0 - 3); POOR (P, 4); FAIR (F, 5, 6); GOOD (G, 7 - 9)

| INSPECTION ITEM                                       |  |  |        | ITEM 61                                             |         |    |
|-------------------------------------------------------|--|--|--------|-----------------------------------------------------|---------|----|
| DECK ITEMS                                            |  |  | GRADES | 45. CHANNEL & CHANNEL PROT.                         |         |    |
| 1. WEARING SURFACE                                    |  |  | G      | a. WATERWAY                                         | G       |    |
| 2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58 |  |  |        | b. ALIGNMENT                                        | G       |    |
| a. CONCRETE                                           |  |  |        | c. SCOUR                                            | G       |    |
| b. TIMBER                                             |  |  | 1      | d. SLOPE PROT., RIP-RAP, DIKES, ETC.                |         |    |
| c. STEEL PLANK                                        |  |  |        | 50. APPROACH ROADWAY CONDITION                      |         |    |
| d. OPEN GRID                                          |  |  |        | 51. APPROACH SLABS                                  |         |    |
| 3. RAILING                                            |  |  |        | 52. PAINT SYSTEM CODE                               |         |    |
| a. CONCRETE                                           |  |  |        | 53. UTILITIES                                       |         |    |
| b. TIMBER                                             |  |  | G      | 54. RESPONSE TO LIVE LOAD                           |         |    |
| c. ALUMINUM                                           |  |  |        | 55. ESTIMATED REMAINING LIFE                        |         |    |
| d. STEEL                                              |  |  |        | 10                                                  |         |    |
| 4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS              |  |  | G      |                                                     |         |    |
| 5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)             |  |  |        | 60. REGULATORY SIGN NOTICE ISSUED                   |         |    |
| 6. DECK EXP JTS. OR DEVICES. NO. OF EACH              |  |  |        | 61. PROMPT-ACTION NOTICE ISSUED                     |         |    |
| a. STEEL PL OR FINGER                                 |  |  |        | 62. PRESENTLY POSTED                                |         |    |
| b. MISC PREFAB                                        |  |  |        | 63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR) |         |    |
| c. COMPRESSION SEAL                                   |  |  |        | 4                                                   |         |    |
| d. STANDARD JOINTS                                    |  |  |        | 64. TOTAL SNOOPER INSP. TIME (HRS)                  |         |    |
| e. OPEN JOINTS                                        |  |  |        | 65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)            |         |    |
| 7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)          |  |  | G      |                                                     |         |    |
|                                                       |  |  |        | 70. SI&A GENERAL CONDITION RATINGS                  |         |    |
| SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59                |  |  |        | a. DECK                                             | ITEM 58 | 7  |
| 10. LONGITUDINAL BEAMS OR GIRDERS                     |  |  |        | b. SUPERSTRUCTURE                                   | ITEM 59 | 7  |
| 11. LONGITUDINAL JOIST OR STRINGERS                   |  |  | G      | c. SUBSTRUCTURE                                     | ITEM 60 | 5  |
| 12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S           |  |  |        | d. CHANNEL & CHANNEL PROT.                          | ITEM 61 | 7  |
| 13. END DIAP'S, CURTAIN WALLS, & CONN'S               |  |  |        |                                                     |         |    |
| 14. FLOOR BEAMS AND CONNECTIONS                       |  |  |        | 71. SI&A FIELD APPRAISAL RATINGS                    |         |    |
| 15. BEARING ASSEMBLIES (INCLUDING MISALIGN)           |  |  |        | a. WATERWAY ADAQUACY                                | 7       |    |
| 16. DRAINAGE SYSTEM (ON STRUCTURE)                    |  |  | G      | b. APPR. RDWY. ALIGNMENT                            | 7       |    |
| 17. MOVABLE SPAN MACHINERY                            |  |  |        |                                                     |         |    |
|                                                       |  |  |        | 72. FIELD SCOUR EVALUATION                          |         |    |
| SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)               |  |  |        |                                                     |         |    |
| 35. TIM SUB STR.                                      |  |  |        | USE OF INSP. ACCESSIBILITY EQUIPMENT                |         |    |
| a. ABUT. & INT. BENT CAPS & RISERS                    |  |  | F      | SNOOPER (CODE S, 4, OR N)                           |         |    |
| b. PILES, POST, SILLS, & BRACING                      |  |  | F      | HRS                                                 |         | NO |
| c. BULKHEADS, WING'S, & TIE BACKS                     |  |  | F      | LADDER                                              |         | NO |
| 36. CONC SUB STR.                                     |  |  |        | BUCKET TRUCK                                        |         | NO |
| a. ABUT. & INT. BENT CAPS                             |  |  |        | BOAT                                                |         | NO |
| b. ABUT. & BENT COL'S BREASTWALLS                     |  |  |        | OTHER                                               |         | NO |
| c. ABUT. & INT. BENT PILES                            |  |  |        |                                                     |         |    |
| d. BACKWALLS, WING'S, RETAIN. WALLS                   |  |  |        |                                                     |         |    |
| e. ABUT. & BENT FOOTINGS & SILLS                      |  |  | G      |                                                     |         |    |
| 37. STEEL SUB STR.                                    |  |  |        | SPECIAL INSPECTION REQUESTED FOR                    |         |    |
| a. ABUT. & INT. BENT CAPS & RISERS                    |  |  |        |                                                     |         |    |
| b. PILES, BRACING, AND BULKHEADS                      |  |  |        |                                                     |         |    |
| 38. FOUNDATION PILES TYPE MATERIAL                    |  |  |        | NOTE                                                |         |    |
| 39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)           |  |  |        |                                                     |         |    |
| 40. FENDER SYSTEMS                                    |  |  |        | 80. INSPECTED BY: <i>Wing 20</i>                    |         |    |
| 41. DRIFT                                             |  |  | G      | 81. REVIEWED BY:                                    |         |    |

| Bridge I&A Form 1(82)H<br>State of North Carolina<br>Dept. of Transportation<br>Division of Highways |       | <b>FIELD INSPECTION REPORT</b><br><u>Bridge Inspection &amp; Analysis</u>                                                                                                                                                                                                        |  |
|------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Team Leader <b>BARRY FOXX</b>                                                                        |       |                                                                                                                                                                                                                                                                                  |  |
| Assisted By <b>DAVID SANDERS</b>                                                                     |       |                                                                                                                                                                                                                                                                                  |  |
| Item No.                                                                                             | Grade |                                                                                                                                                                                                                                                                                  |  |
| 35a                                                                                                  | F     | TIMBER CAPS; CAP AT ABUTMENT 1 IS WEATHERED WITH SCATTERED AREAS OF 1/2" DEEP DECAY AND 1/4" WIDE SEASONAL CRACKING.<br>CAP AT ABUTMENT 2 IS IN GOOD CONDITION.                                                                                                                  |  |
| 35b                                                                                                  | F     | TIMBER POST AND SILLS; WEATHERED WITH SCATTERED AREAS OF 1/2" DEEP DECAY AND 1/4" WIDE SEASONAL CRACKING.<br>NO PROBLEMS AS YET DUE TO CONDITIONS.<br>POST 3 AT ABUTMENT 1 HAS BEEN SUPPLEMENTED SOMETIME IN THE PAST THIS IS CONSIDERED A TEMP. REPAIR.                         |  |
| 35c                                                                                                  | F     | TIMBER BULKHEAD; ALL TIMBERS ORIGINAL TIMBERS ARE WEATHERED WITH SCATTERED AREAS OF 1" DEEP DECAY.<br>NO PROBLEMS AS YET DUE TO CONDITIONS.<br>A COUPLE OF SCAB/REPLACEMENT TIMBERS HAVE BEEN PLACED AT ABUTMENT 2 SOMETIME IN THE PAST.<br>THESE TIMBERS ARE IN GOOD CONDITION. |  |
| 45c                                                                                                  | G     | SCOUR; SCOUR VOID ON DOWNSTREAM END OF ABUTMENT 2 MENTIONED IN A PREVIOUS INSP. HAS BEEN REPAIRED WITH PLACEMENT OF RIP RAP.<br>WORKING WELL AT THIS TIME.                                                                                                                       |  |
| 72                                                                                                   | R     | FIELD SCOUR EVALUATION; SEE ITEM 45c FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                 |  |

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS**

Bridge: 490337

County JACKSON

Date: 01/11/2012

**These Repairs Should Be Made Within Twelve Months From Date Of This Inspection**

| MMS Code | Description of Function | Unit | Quantity | Remarks                          | Est. Cost |
|----------|-------------------------|------|----------|----------------------------------|-----------|
| 0        | No Maintenance Required | NA   | 0        | NO RECOMMENDATIONS AT THIS TIME. |           |

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

# Structure Data Worksheet

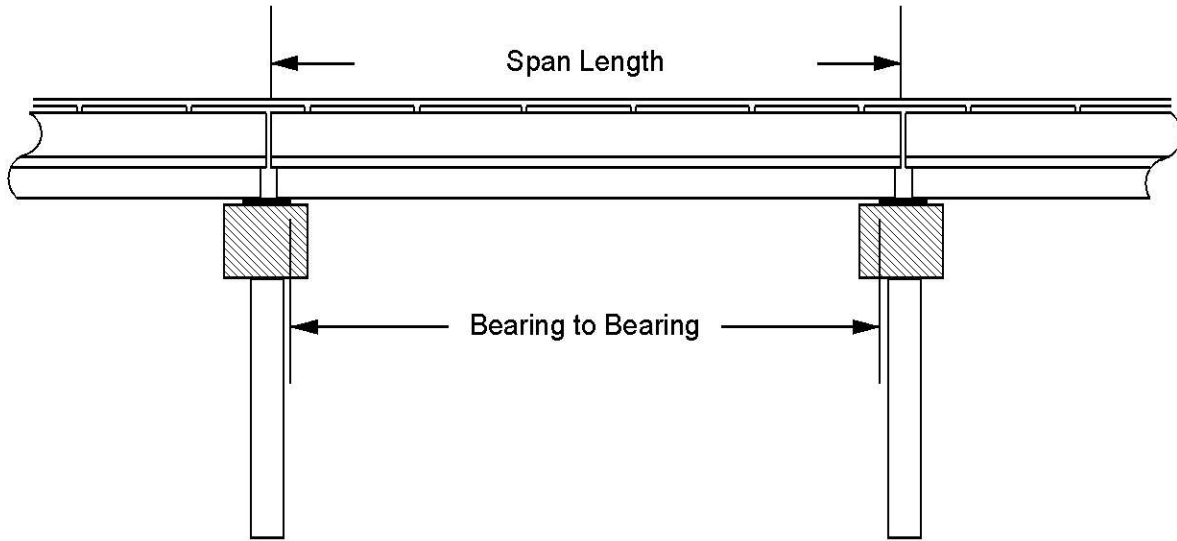
*Spans*

County: JACKSON

Structure No: 490337

Date: 01/11/2012

Inspected By: WBF



| Span No | Span Length | Bearing to Bearing | Comments           |
|---------|-------------|--------------------|--------------------|
| 1       | 18.5        | 17.1667            | NON NBIS STRUCTURE |

# Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 490337 County: JACKSON Date: 01/11/2012 By: WBF

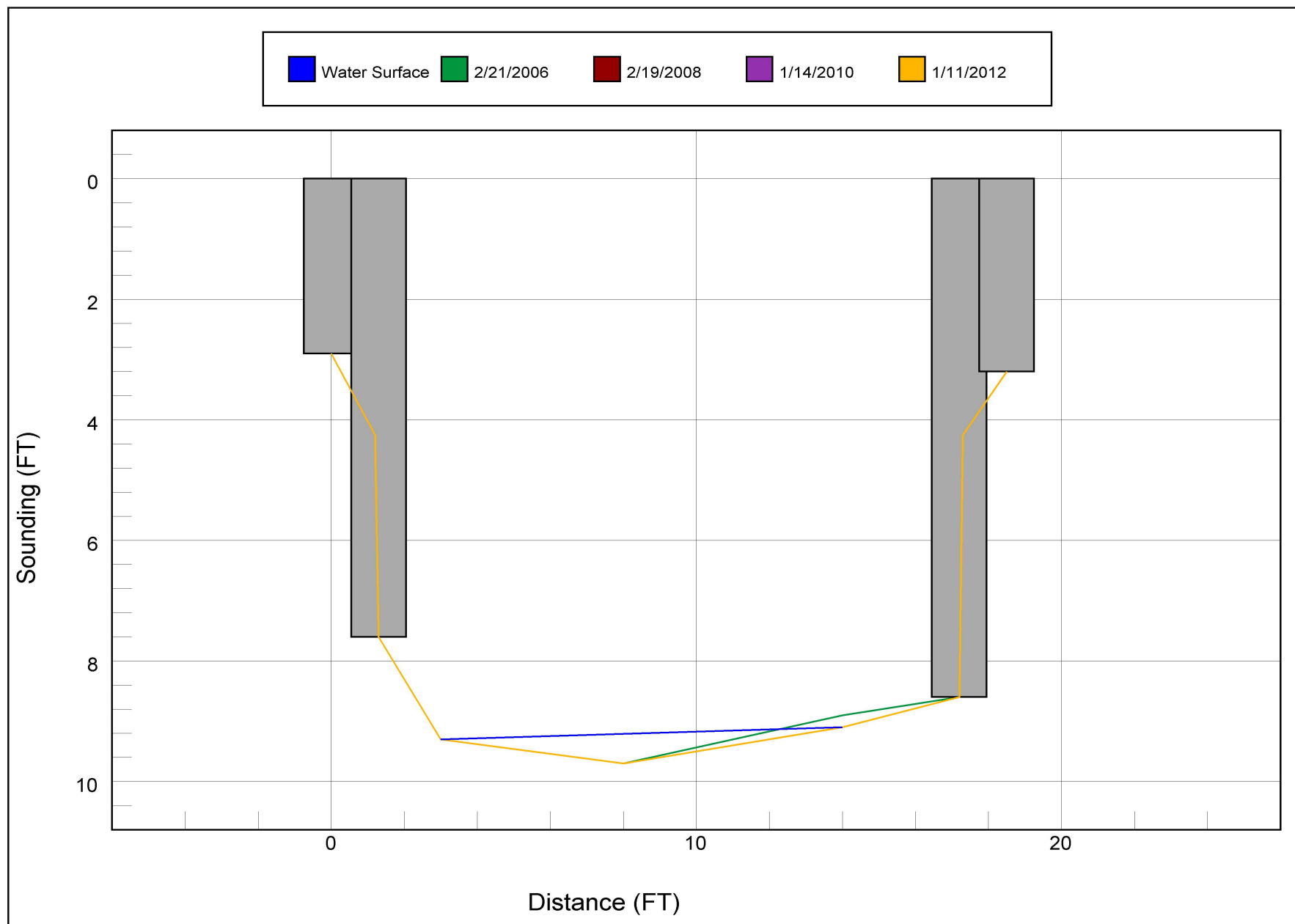
Record sounding from top of rail. Other location if needed: \_\_\_\_\_

Distance from Highwater Mark to top of rail: \_\_\_\_\_ Location of Highwater Mark: NOT DETECTED

| DOWNSTREAM                 |                  |                                 | UPSTREAM                   |                  |                        |
|----------------------------|------------------|---------------------------------|----------------------------|------------------|------------------------|
| Distance<br>(Station) (ft) | Sounding<br>(ft) | Description                     | Distance<br>(Station) (ft) | Sounding<br>(ft) | Description            |
| 0                          | 2.9              | FILL FACE ABUTMENT 1            | 0                          | 2.9              | FILL FACE ABUTMENT 1   |
| 1.2                        | 4.25             | Top of Cap                      |                            |                  |                        |
| 1.3                        | 7.6              | STREAM FACE ABUTMENT 1          | 1.3                        | 8.1              | STREAM FACE ABUTMENT 1 |
| 3                          | 9.3              | Water Surface/Water Edge (WSWE) |                            |                  |                        |
| 8                          | 9.7              |                                 |                            |                  |                        |
| 14                         | 9.1              | Water Surface/Water Edge (WSWE) |                            |                  |                        |
| 17.2                       | 8.6              | STREAM FACE ABUTMENT 2          | 17.2                       | 8                | STREAM FACE ABUTMENT 2 |
| 17.3                       | 4.25             | Top of Cap                      |                            |                  |                        |
| 18.5                       | 3.2              | FILL FACE ABUTMENT 2            | 18.5                       | 3                | FILL FACE ABUTMENT 2   |

**STREAMBED PROFILE (Downstream)**

Top of Rail = 0 FT (Sounding)



# Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 1/11/2012



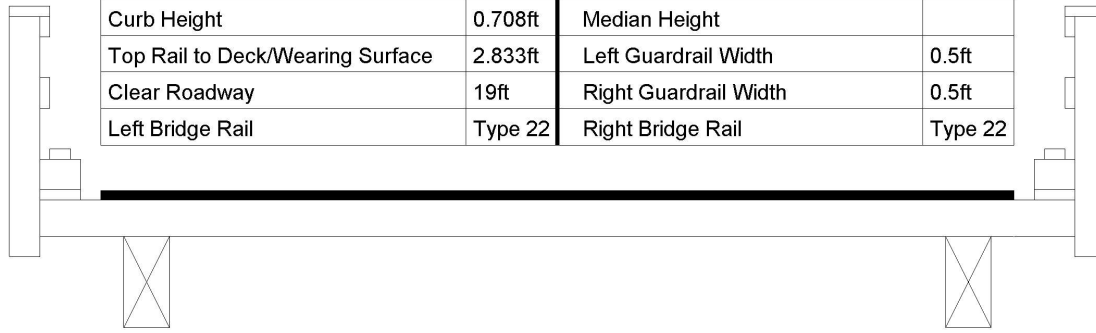
|                 |           |               |              |
|-----------------|-----------|---------------|--------------|
| Roadway         | 13ft Wide | 1 Paved Lanes | Looking East |
| Left Shoulder   | 3ft Wide  |               | 3ft Unpaved  |
| Right Shoulder  | 3ft Wide  |               | 3ft Unpaved  |
| Left Guardrail  |           |               |              |
| Right Guardrail |           |               |              |

| Title             |                         | Description      |                        |
|-------------------|-------------------------|------------------|------------------------|
| APPROACH ROADWAY  |                         | APPROACH ROADWAY |                        |
| Bridge No: 490337 | Drawn By: DAVID SANDERS | Date: 1/11/2012  | File Name: S0118000997 |

# Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 1/11/2012

|                                  |          |                       |         |
|----------------------------------|----------|-----------------------|---------|
| Deck Width/Out to Out            | 20ft     | Wearing Surface       | 0.083ft |
| Between Rails                    | 19.667ft | Median Width          |         |
| Curb Height                      | 0.708ft  | Median Height         |         |
| Top Rail to Deck/Wearing Surface | 2.833ft  | Left Guardrail Width  | 0.5ft   |
| Clear Roadway                    | 19ft     | Right Guardrail Width | 0.5ft   |
| Left Bridge Rail                 | Type 22  | Right Bridge Rail     | Type 22 |



|                               |       |                |       |
|-------------------------------|-------|----------------|-------|
| Measurements for Span #       | 1     |                |       |
| Deck Thickness                | 0.312 | Left Overhang  | 0.979 |
| Top of Rail to Bottom of Beam | 4.25  | Right Overhang | 1     |

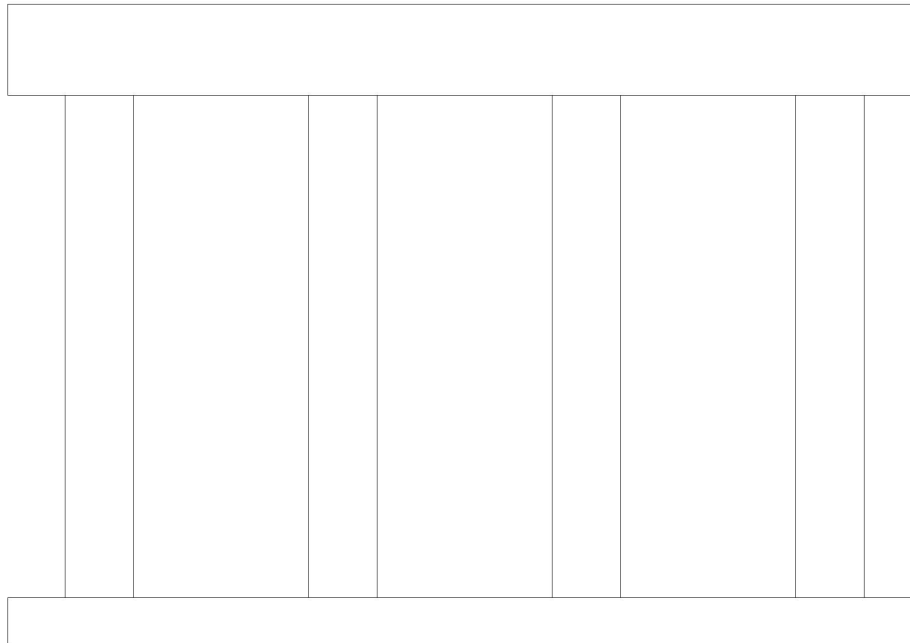
| Beam No | Beam Type            | Spacing  | Comments                        |
|---------|----------------------|----------|---------------------------------|
| 1       | Timber (Rectangular) | 1.8021ft | JOIST ARE .5 WIDE X .9688 HIGH. |
| 2       | Timber (Rectangular) | 1.8021ft |                                 |
| 3       | Timber (Rectangular) | 1.8021ft |                                 |
| 4       | Timber (Rectangular) | 1.8021ft |                                 |
| 5       | Timber (Rectangular) | 1.8021ft |                                 |
| 6       | Timber (Rectangular) | 1.8021ft |                                 |
| 7       | Timber (Rectangular) | 1.8021ft |                                 |
| 8       | Timber (Rectangular) | 1.8021ft |                                 |
| 9       | Timber (Rectangular) | 1.8021ft |                                 |
| 10      | Timber (Rectangular) | 1.8021ft |                                 |
| 11      | Timber (Rectangular) |          |                                 |

2" WATERLINE ON UPSTREAM SIDE OF BRIDGE.

|                   |                         |                    |                        |
|-------------------|-------------------------|--------------------|------------------------|
| <b>Title</b>      |                         | <b>Description</b> |                        |
| SUPER             |                         | SUPER              |                        |
| Bridge No: 490337 | Drawn By: DAVID SANDERS | Date: 1/11/2012    | File Name: S0118000998 |

# Bridge Inspection Field Sketch

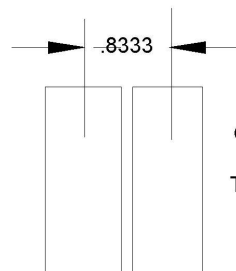
VERIFIED BY DAVID SANDERS 1/11/2012



|                                 |           |                      |          |
|---------------------------------|-----------|----------------------|----------|
| Abutment #                      | 1         | Abutment 2 similar   |          |
| Cap - Beam Type (Wood or Steel) |           |                      |          |
| Cap Size                        | 20ft Long | 0.979ft Wide         | 1ft High |
| Left Overhang                   | 1.25ft    | Lt Cap/Beam Overhang | 1ft      |
| Right Overhang                  | 1.25ft    | Rt Cap/Beam Overhang | 1ft      |
| Sill - Sill                     |           |                      |          |
| Sill Size                       |           | 0.833ft Wide         |          |

| Pile # | Material       | Pile Type      | Spacing | Length | Width/Diam. | Height | Orientation |
|--------|----------------|----------------|---------|--------|-------------|--------|-------------|
| 1      | Wood or Timber | Post and Sills | 5.75    | 2.75   | .8125       | .8125  | Vertical    |
| 2      | Wood or Timber | Post and Sills | 6.0     | 2.75   | .8125       | .8125  | Vertical    |
| 3      | Wood or Timber | Post and Sills | 5.75    | 2.75   | .8125       | .8125  | Vertical    |
| 4      | Wood or Timber | Post and Sills |         | 2.75   | .8125       | .8125  | Vertical    |

CAP AT ABUTMENT 2 IS .8333 X .9792.



POST 3 AT ABUTMENT 1 HAS BEEN SUPP.  
ON DOWNSTREAM SIDE WITH A .8333 X .8333.  
THIS IS CONSIDERED A TEMP. REPAIR.

|              |           |                    |               |
|--------------|-----------|--------------------|---------------|
| <b>Title</b> |           | <b>Description</b> |               |
| SUBSTR.      |           | SUBSTR.            |               |
| Bridge No:   | 490337    | Drawn By:          | DAVID SANDERS |
| Date:        | 1/11/2012 | File Name:         | S0118000999   |



LOOKING EAST



LOOKING UPSTREAM FROM TOP OF BRIDGE.



LOOKING DOWNSTREAM FROM TOP OF BRIDGE.



LOOKING WEST - BRIDGE IS POSTED SV 12 TTST 21 TONS.



UPSTREAM



DOWNSTREAM



UTILITY ON UPSTREAM SIDE



ABUTMENT 2



ABUTMENT 1



REP. OF UNDERSIDE



TEMP. REPAIR - POST 3 ABUTMENT 1.