



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMPORARY REPAIRS; BEAMS, PIER 2 CAP...

(PMN'S) ISSUED FOR BEAMS,CAPS AND RAILS...  
BRIDGE OUT OF SERVICE...

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY IREDELL BRIDGE NUMBER 480282 INSPECTION CYCLE 2 YRS  
ROUTE SR1828 ACROSS NORTH HUNTING CREEK M.P. 0

LOCATION 0.6 MI. W. JCT. US21

SUPERSTRUCTURE STEEL PLANK DECK ON I-BEAMS

SUBSTRUCTURE END &INT.BTS:TIMBER CAPS & PILES,INT.BTS:CONCRETE ENCASED

SPANS 1@45'3, 2@45'0, 1@45'3

LONGITUDE 80° 46' 98.01"

LATITUDE 36° 2' 57.51"

PRESENT CONDITION POOR

INVENTORY RATING

INSPECTION DATE 07/25/2012

OPERATING RATING

PRESENT POSTING SV 25 TTST 30 SV 25 TTST 30

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELINEATORS



LOOKING WEST

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

## NATIONAL BRIDGE INVENTORY—— STRUCTURE INVENTORY AND APPRAISAL

Update Date: 08/08/2012

| IDENTIFICATION                                           |                |                                                                |                            |
|----------------------------------------------------------|----------------|----------------------------------------------------------------|----------------------------|
| (1) STATE NAME -NORTH CAROLINA                           | BRIDGE         | 480282                                                         | SUFFICIENCY RATING = 31.66 |
| (8) STRUCTURE NUMBER(FEDERAL)                            | 00000000970282 | STATUS =                                                       | Structurally Deficient     |
| (5) INVENTORY ROUTE (ON/UNDER) - ON                      | 31018280       |                                                                |                            |
| (2) STATE HIGHWAY DEPARTMENT DISTRICT                    | 2              | <b>CLASSIFICATION</b>                                          |                            |
| (3) COUNTY CODE 97 (4) PLACE CODE                        | 0              | (112)NBIS BRIDGE SYSTEM -                                      | YES                        |
| (6) FEATURE INTERSECTED - NORTH HUNTING CREEK            |                | (104)HIGHWAY SYSTEM Is not on NHS                              | 0                          |
| (7) FACILITY CARRIED SR1828(CLOSED)                      |                | (26) FUNCTIONAL CLASS - Local                                  | 09                         |
| (9) LOCATION 0.6 MI. W. JCT. US21                        |                | (100)STRAHNET HIGHWAY - Not a STRAHNET Route                   | 0                          |
| (11)MILEPOINT                                            | 0              | (101)PARALLEL STRUCTURE - No Parallel Structure                | N                          |
| (16)LAT 36° 2' 57.51" (17)LONG 80° 46' 98.01"            |                | (102)DIRECTION OF TRAFFIC - 2-way Traffic                      | 2                          |
| (98)BORDER BRIDGE STATE CODE                             | PCT SHARE      | (103)TEMPORARY STRUCTURE - Temporary Structure/Conditions      | T                          |
| (99)BORDER BRIDGE STRUCTURE NO                           |                | (110)DESIGNATED NATIONAL NETWORK - Not on the National Network | 0                          |
| <b>STRUCTURE TYPE AND MATERIAL</b>                       |                | (20) TOLL On Free Road                                         | 3                          |
| (43) STRUCTURE TYPE MAIN: Steel                          |                | (31) MAINTAIN - State Highway Agency                           | 01                         |
| TYPE - Stringer Mutibeam or Girder                       | CODE 302       | (22) OWNER - State Highway Agency                              | 01                         |
| (44) STRUCTURE TYPE APPR :                               |                | (37) HISTORICAL SIGNIFICANCE - Not Eligible                    | 5                          |
| TYPE -                                                   | CODE 000       | <b>CONDITION</b>                                               |                            |
| (45) NUMBER OF SPANS IN MAIN UNIT                        | 4              | (58) DECK                                                      | 5                          |
| (46) NUMBER OF APPROACH SPANS                            |                | (59) SUPERSTRUCTURE                                            | 3                          |
| (107)DECK STRUCTURE TYPE - 6                             | CODE           | (60) SUBSTRUCTURE                                              | 3                          |
| (108)WEARING SURFACE / PROTECTIVE SYSTEM :               |                | (61) CHANNEL & CHANNEL PROTECTION                              | 5                          |
| (A) TYPE OF WEARING SURFACE -                            | CODE           | (62) CULVERTS                                                  | N                          |
| (B) TYPE OF MEMBRANE -                                   | CODE           | <b>LOAD RATING AND POSTING</b>                                 |                            |
| (C) TYPE OF DECK PROTECTION -                            | CODE           | (31) DESIGN LOAD Unknown                                       | 0                          |
| <b>AGE AND SERVICE</b>                                   |                | (63) OPERATING RATING METHOD - Load Factor                     |                            |
| (27) YEAR BUILT                                          | 1962           | (64) OPERATING RATING - HS-                                    | 100                        |
| (106)YEAR RECONSTRUCTED                                  |                | (65) INVENTORY RATING METHOD - Load Factor                     |                            |
| (42) TYPE OF SERVICE : ON - Highway                      |                | (66) INVENTORY RATING - HS-                                    | 100                        |
| UNDER - Waterway                                         | CODE 15        | (70) BRIDGE POSTING - Posting Required                         | 0                          |
| (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE               |                | (41) STRUCTURE OPEN, POSTED ,OR CLOSED                         | K                          |
| (29) AVERAGE DAILY TRAFFIC                               | 230            | DESCRIPTION - Bridge Closed                                    |                            |
| (30) YEAR OF ADT 2011 (109) TRUCK ADT PCT                | 6%             | <b>APPRAISAL</b>                                               |                            |
| (19) BYPASS OR DETOUR LENGTH                             | 4 MI           | (67) STRUCTURAL EVALUATION                                     | 2                          |
| <b>GEOMETRIC DATA</b>                                    |                | (68) DECK GEOMETRY                                             | 5                          |
| (48) LENGTH OF MAXIMUM SPAN                              | 45 FT          | (69) UNDERCLEARANCES,VERTI & HORIZ                             | N                          |
| (49) STRUCTURE LENGTH                                    | 181 FT         | (71) WATERWAY ADEQUACY                                         | 0                          |
| (50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT             |                | (72) APPROACH ROADWAY ALIGNMENT                                | 7                          |
| (51) BRIDGE ROADWAY WIDTH CURB TO CURB                   | 24 FT          | (36) TRAFFIC SAFETY FEATURES                                   | 0000                       |
| (52) DECK WIDTH OUT TO OUT                               | 24.083 FT      | (113)SCOUR CRITICAL BRIDGES                                    | U                          |
| (32) APPROACH ROADWAY WIDTH (W/SHOULDERS)                | 18 FT          | <b>PROPOSED IMPROVEMENTS</b>                                   |                            |
| (33) BRIDGE MEDIAN - No Median                           | CODE 0         | (75) TYPE OF WORK -                                            | CODE                       |
| (34) SKEW 0° (35) STRUCTURE FLARED                       | 0              | (76) LENGTH OF STRUCTURE IMPROVEMENT                           |                            |
| (10) INVENTORY ROUTE MIN VERT CLEAR                      | 999.9 FT       | (94) BRIDGE IMPROVEMENT COST                                   |                            |
| (47) INVENTORY ROUTE TOTAL HORIZ CLEAR                   | 24 FT          | (95) ROADWAY IMPROVEMENT COST                                  |                            |
| (53) MIN VERT CLEAR OVER BRIDGE ROWY                     | 999.9 FT       | (96) TOTAL PROJECT COST                                        |                            |
| (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad   | 0 FT           | (97) YEAR OF IMPROVEMENT COST ESTIMATE                         |                            |
| (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad | 000 FT         | (114)FUTURE ADT 540 (115) YEAR FUTURE ADT                      | 2025                       |
| (56) MIN LAT UNDERCLEAR LT REF -                         | 000 FT         | <b>INSPECTIONS</b>                                             |                            |
| <b>NAVIGATION DATA</b>                                   |                | (90) INSPECTION DATE                                           | 07/25/2012                 |
| (38) NAVIGATION CONTROL - No Navigational Control        | CODE 0         | (92) CRITICAL FEATURE INSPECTION :                             | (93) CFI DATE              |
| (111)PIER PROTECTION -                                   | CODE           | A) FRACTURE CRIT DETAIL - NO                                   | A)                         |
| (39) NAVIGATION VERTICAL CLEARANCE                       | 0              | B) UNDERWATER INSP - NO                                        | B)                         |
| (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR               | FT             | C) OTHER SPECIAL INSP NO                                       | C)                         |
| (40) NAVIGATION HORIZONTAL CLEARANCE                     | 0 FT           | SCOUR                                                          |                            |



## BRIDGE MANAGEMENT UNIT

## DATA ON EXISTING STRUCTURE

Update Date: 08/08/2012

COUNTY : IREDELL      DIVISION : 12      DISTRICT : 2      STRUCTURE NUMBER : 480282      LENGTH : 181 FEET

ROUTE CARRIED : SR1828(CLOSED)      FEATURE INTERSECTED : NORTH HUNTING CREEK

LOCATED : 0.6 MI. W. JCT. US21      BRIDGE NAME :      CITY :

FUNC. CLASS : 09      SYST.ON : NFA      SYST.UNDER : NFA      ADT & YR : 230 2011      RAIL TYPE : LT 233 RT 233

BUILT : 1962      BY : BMU      PROJ :      FED.AID PROJ :      DESIGN LOAD : Unknown

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

NAVIGATION : VC 0 FT      HC 0 FT      HT. CRN. TO BED : 27 FT      WATER DEPTH : 2 FT

SUPERSTRUCTURE : STEEL PLANK DECK ON I-BEAMS

SUBSTRUCTURE : END & INT.BTS:TIMBER CAPS & PILES,INT.BTS:CONCRETE ENCASED

SPANS : 1@45'3, 2@45'0, 1@45'3

BEAMS OR GIRDERS : 10 LINES OF W18X65 I-BEAMS @ 2'7 CENTERS

FLOOR : STL.PLK,2 AWS      ENCROACHMENT :      DECK (OUT TO OUT) : 24.083 FT

CLEAR ROADWAY : 24 FT      BETWEEN RAILS : 24.5 FT      SIDEWALK OR CURB : LT .3 FT RT .3 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-      OPE.RTG. : HS-      CONTR.MEMBER : IntBeam (SecLoss)      POSTED : SV TTST      DATE : 08/08/2012

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

UNDER ROUTES AND CLEARANCES

REMARKS : Bridge closed due to heavy deterioration to BEAMS

# BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES OR STRUCTURES WITH TEMPORARY REPAIRS MADE TO KEEP A BRIDGE OPEN

BRIDGE: *480282* COUNTY: *Iredell*DATE: *11/17/08*

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT  
THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE  
TO KEEP THE BRIDGE OPEN :

|                                                    | <u>CODE</u> | <u>BY</u>           |
|----------------------------------------------------|-------------|---------------------|
| S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION | <i>T</i>    | <i>TSE</i>          |
| S I & A ITEM 59 - SUPERSTRUCTURE                   | <i>4</i>    | <i>TSE 11/19/08</i> |
| S I & A ITEM 60 - SUBSTRUCTURE                     | <i>4</i>    | <i>TSE</i>          |
| S I & A ITEM 64 OPERATING RATING                   |             |                     |
| HS <i>0.01</i> BY: <i>AK</i>                       |             |                     |
| S I & A ITEM 66 - INVENTORY RATING                 |             |                     |
| HS <i>0.01</i> BY: <i>AK</i>                       |             |                     |

## COMMENTS

- *Pile 3 at abut 2 encased in concrete*
- *plate welded to the bottom Flange of girder 10 span near abut 2*
- *plate welded to the bottom Flange of girder 1 span near abut 1*

## NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

Run Date: 08/08/2012

| IDENTIFICATION                                           |                         |                |  | CLASSIFICATION                         |                                |                            |  |
|----------------------------------------------------------|-------------------------|----------------|--|----------------------------------------|--------------------------------|----------------------------|--|
| (1) STATE NAME -NORTH CAROLINA                           | BRIDGE                  | 480282         |  | SUFFICIENCY RATING =                   |                                | 31.66                      |  |
| (8) STRUCTURE NUMBER(FEDERAL)                            |                         | 00000000970282 |  | STATUS =                               | Structurally Deficient         |                            |  |
| (5) INVENTORY ROUTE (ON/UNDER) - ON                      |                         | 31018280       |  |                                        |                                |                            |  |
| (2) STATE HIGHWAY DEPARTMENT DISTRICT                    |                         | 2              |  |                                        |                                |                            |  |
| (3) COUNTY CODE 97                                       | (4) PLACE CODE          | 0              |  | (112)NBIS BRIDGE SYSTEM -              |                                | YES                        |  |
| (6) FEATURE INTERSECTED - NORTH HUNTING CREEK            |                         |                |  | (104)HIGHWAY SYSTEM                    | Is not on NHS                  | 0                          |  |
| (7) FACILITY CARRIED SR1828(CLOSED)                      |                         |                |  | (26) FUNCTIONAL CLASS -                | Local                          | 09                         |  |
| (9) LOCATION 0.6 MI. W. JCT. US21                        |                         |                |  | (100)STRAHNET HIGHWAY -                | Not a STRAHNET Route           | 0                          |  |
| (11)MILEPOINT                                            |                         | 0              |  | (101)PARALLEL STRUCTURE -              | No Parallel Structure          | N                          |  |
| (16)LAT 36° 2' 57.51"                                    | (17)LONG 80° 46' 98.01" |                |  | (102)DIRECTION OF TRAFFIC -            | 2-way Traffic                  | 2                          |  |
| (98)BORDER BRIDGE STATE CODE                             | PCT SHARE               |                |  | (103)TEMPORARY STRUCTURE -             | Temporary Structure/Conditions | T                          |  |
| (99)BORDER BRIDGE STRUCTURE NO                           |                         |                |  | (110)DESIGNATED NATIONAL NETWORK -     | Not on the National Network    | 0                          |  |
|                                                          |                         |                |  | (20) TOLL                              | On Free Road                   | 3                          |  |
|                                                          |                         |                |  | (31) MAINTAIN -                        | State Highway Agency           | 01                         |  |
|                                                          |                         |                |  | (22) OWNER -                           | State Highway Agency           | 01                         |  |
|                                                          |                         |                |  | (37) HISTORICAL SIGNIFICANCE -         | Not Eligible                   | 5                          |  |
| STRUCTURE TYPE AND MATERIAL                              |                         |                |  | CONDITION                              |                                |                            |  |
| (43) STRUCTURE TYPE MAIN: Steel                          |                         |                |  | (58) DECK                              |                                | 5                          |  |
| TYPE - Stringer Mutlibeam or Girder                      | CODE                    | 302            |  | (59) SUPERSTRUCTURE                    |                                | 3                          |  |
| (44) STRUCTURE TYPE APPR :                               |                         |                |  | (60) SUBSTRUCTURE                      |                                | 3                          |  |
| TYPE -                                                   | CODE                    | 000            |  | (61) CHANNEL & CHANNEL PROTECTION      |                                | 5                          |  |
| (45) NUMBER OF SPANS IN MAIN UNIT                        |                         | 4              |  | (62) CULVERTS                          |                                | N                          |  |
| (46) NUMBER OF APPROACH SPANS                            |                         |                |  |                                        |                                |                            |  |
| (107)DECK STRUCTURE TYPE - 6                             | CODE                    |                |  | LOAD RATING AND POSTING                |                                |                            |  |
| (108)WEARING SURFACE / PROTECTIVE SYSTEM :               |                         |                |  | (31) DESIGN LOAD                       | Unknown                        | 0                          |  |
| (A) TYPE OF WEARING SURFACE -                            | CODE                    |                |  | (63) OPERATING RATING METHOD -         | Load Factor                    |                            |  |
| (B) TYPE OF MEMBRANE -                                   | CODE                    |                |  | (64) OPERATING RATING -                | HS-                            | 100                        |  |
| (C) TYPE OF DECK PROTECTION -                            | CODE                    |                |  | (65) INVENTORY RATING METHOD -         | Load Factor                    |                            |  |
|                                                          |                         |                |  | (66) INVENTORY RATING -                | HS-                            | 100                        |  |
|                                                          |                         |                |  | (70) BRIDGE POSTING -                  | Posting Required               | 0                          |  |
|                                                          |                         |                |  | (41) STRUCTURE OPEN, POSTED ,OR CLOSED |                                | K                          |  |
|                                                          |                         |                |  | DESCRIPTION -                          | Bridge Closed                  |                            |  |
| AGE AND SERVICE                                          |                         |                |  | APPRAISAL                              |                                |                            |  |
| (27) YEAR BUILT                                          |                         | 1962           |  | (67) STRUCTURAL EVALUATION             |                                | 2                          |  |
| (106)YEAR RECONSTRUCTED                                  |                         |                |  | (68) DECK GEOMETRY                     |                                | 5                          |  |
| (42) TYPE OF SERVICE : ON - Highway                      |                         |                |  | (69) UNDERCLEARANCES,VERTI & HORIZ     |                                | N                          |  |
| UNDER - Waterway                                         | CODE                    | 15             |  | (71) WATERWAY ADEQUACY                 |                                | 0                          |  |
| (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE               |                         |                |  | (72) APPROACH ROADWAY ALIGNMENT        |                                | 7                          |  |
| (29) AVERAGE DAILY TRAFFIC                               |                         | 230            |  | (36) TRAFFIC SAFETY FEATURES           |                                | 0000                       |  |
| (30) YEAR OF ADT 2011                                    | (109) TRUCK ADT PCT     | 6%             |  | (113)SCOUR CRITICAL BRIDGES            |                                | U                          |  |
| (19) BYPASS OR DETOUR LENGTH                             |                         | 4 MI           |  | PROPOSED IMPROVEMENTS                  |                                |                            |  |
| GEOMETRIC DATA                                           |                         |                |  | (75) TYPE OF WORK -                    |                                | CODE                       |  |
| (48) LENGTH OF MAXIMUM SPAN                              |                         | 45 FT          |  | (76) LENGTH OF STRUCTURE IMPROVEMENT   |                                |                            |  |
| (49) STRUCTURE LENGTH                                    |                         | 181 FT         |  | (94) BRIDGE IMPROVEMENT COST           |                                |                            |  |
| (50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT             |                         |                |  | (95) ROADWAY IMPROVEMENT COST          |                                |                            |  |
| (51) BRIDGE ROADWAY WIDTH CURB TO CURB                   |                         | 24 FT          |  | (96) TOTAL PROJECT COST                |                                |                            |  |
| (52) DECK WIDTH OUT TO OUT                               |                         | 24.083 FT      |  | (97) YEAR OF IMPROVEMENT COST ESTIMATE |                                |                            |  |
| (32) APPROACH ROADWAY WIDTH (W/SHOULDERS)                |                         | 18 FT          |  | (114)FUTURE ADT 540                    |                                | (115) YEAR FUTURE ADT 2025 |  |
| (33) BRIDGE MEDIAN - No Median                           | CODE                    | 0              |  | INSPECTIONS                            |                                |                            |  |
| (34) SKEW 0°                                             | (35) STRUCTURE FLARED   | 0              |  | (90) INSPECTION DATE                   |                                | 07/25/2012                 |  |
| (10) INVENTORY ROUTE MIN VERT CLEAR                      |                         | 999.9 FT       |  | (92) CRITICAL FEATURE INSPECTION :     |                                | (93) CFI DATE              |  |
| (47) INVENTORY ROUTE TOTAL HORIZ CLEAR                   |                         | 24 FT          |  | A) FRACTURE CRIT DETAIL -              | NO                             | A)                         |  |
| (53) MIN VERT CLEAR OVER BRIDGE RDWY                     |                         | 999.9 FT       |  | B) UNDERWATER INSP -                   | NO                             | B)                         |  |
| (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad   |                         | 0 FT           |  | C) OTHER SPECIAL INSP                  | NO                             | C)                         |  |
| (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad |                         | 000 FT         |  | SCOUR                                  |                                |                            |  |
| (56) MIN LAT UNDERCLEAR LT REF -                         |                         | 000 FT         |  |                                        |                                |                            |  |
| 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: 08/08/2012

|          |            |            |                    |          |      |
|----------|------------|------------|--------------------|----------|------|
| COUNTY : | DIVISION : | DISTRICT : | STRUCTURE NUMBER : | LENGTH : |      |
| IREDELL  | 12         | 2          | 480282             | 181      | FEET |

|                 |                       |
|-----------------|-----------------------|
| ROUTE CARRIED : | FEATURE INTERSECTED : |
| SR1828(CLOSED)  | NORTH HUNTING CREEK   |

|                      |               |        |
|----------------------|---------------|--------|
| LOCATED :            | BRIDGE NAME : | CITY : |
| 0.6 MI. W. JCT. US21 |               |        |

|               |           |              |            |               |
|---------------|-----------|--------------|------------|---------------|
| FUNC. CLASS : | SYST.ON : | SYST.UNDER : | ADT & YR : | RAIL TYPE :   |
| 09            | NFA       | NFA          | 230 2011   | LT 233 RT 233 |

|         |      |        |                |               |
|---------|------|--------|----------------|---------------|
| BUILT : | BY : | PROJ : | FED.AID PROJ : | DESIGN LOAD : |
| 1962    | BMU  |        |                | 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 27 FT 2 FT |                   |               |

|                  |                             |
|------------------|-----------------------------|
| SUPERSTRUCTURE : | STEEL PLANK DECK ON I-BEAMS |
|------------------|-----------------------------|

|                |                                                            |
|----------------|------------------------------------------------------------|
| SUBSTRUCTURE : | END & INT.BTS:TIMBER CAPS & PILES,INT.BTS:CONCRETE ENCASED |
|----------------|------------------------------------------------------------|

|         |                        |
|---------|------------------------|
| SPANS : | 1@45'3, 2@45'0, 1@45'3 |
|---------|------------------------|

|                    |                                          |
|--------------------|------------------------------------------|
| BEAMS OR GIRDERS : | 10 LINES OF W18X65 I-BEAMS @ 2'7 CENTERS |
|--------------------|------------------------------------------|

|               |                |                     |
|---------------|----------------|---------------------|
| FLOOR :       | ENCROACHMENT : | DECK (OUT TO OUT) : |
| STL.PLK,2 AWS |                | 24.083 FT           |

|                 |                 |                    |
|-----------------|-----------------|--------------------|
| CLEAR ROADWAY : | BETWEEN RAILS : | SIDEWALK OR CURB : |
| 24 FT           | 24.5 FT         | LT .3 FT RT .3 FT  |

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

|            |            |                      |          |      |            |
|------------|------------|----------------------|----------|------|------------|
| INV.RTG. : | OPE.RTG. : | CONTR.MEMBER :       | POSTED : | TTST | DATE       |
| HS-        | HS-        | IntBeam<br>(SecLoss) | SV       |      | 08/08/2012 |

|                      |                    |
|----------------------|--------------------|
| 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. 480282

COUNTY IREDELL

ROUTE SR1828

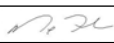
OVER NORTH HUNTING CREEK

STRUCTURE TYPE STEEL PLANK DECK ON I-BEAMS

ROUTE ORIENTATION W - E

SPANS 1@45'3, 2@45'0, 1@45'3

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

| INSPECTION ITEM                                       |                                     |   |        | ITEM 61                                             |                                                                                       |    |     |
|-------------------------------------------------------|-------------------------------------|---|--------|-----------------------------------------------------|---------------------------------------------------------------------------------------|----|-----|
| DECK ITEMS                                            |                                     |   | GRADES |                                                     |                                                                                       |    |     |
| 1. WEARING SURFACE                                    |                                     |   | G      | 45. CHANNEL & CHANNEL PROT.                         | a. WATERWAY                                                                           | F  |     |
|                                                       |                                     |   |        |                                                     | b. ALIGNMENT                                                                          | G  |     |
|                                                       |                                     |   |        |                                                     | c. SCOUR                                                                              | G  |     |
|                                                       |                                     |   |        |                                                     | d. SLOPE PROT., RIP-RAP, DIKES, ETC.                                                  |    |     |
| 2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58 | a. CONCRETE                         |   |        | 50. APPROACH ROADWAY CONDITION                      |                                                                                       |    | G   |
|                                                       | b. TIMBER                           |   |        | 51. APPROACH SLABS                                  |                                                                                       |    |     |
|                                                       | c. STEEL PLANK                      |   | F      | 52. PAINT SYSTEM CODE A                             |                                                                                       |    | C   |
|                                                       | d. OPEN GRID                        |   |        | 53. UTILITIES                                       |                                                                                       |    |     |
| 3. RAILING                                            | a. CONCRETE                         |   |        | 54. RESPONSE TO LIVE LOAD                           |                                                                                       |    | C   |
|                                                       | b. TIMBER                           |   |        | 55. ESTIMATED REMAINING LIFE                        |                                                                                       |    | 0   |
|                                                       | c. ALUMINUM                         |   |        |                                                     |                                                                                       |    |     |
|                                                       | d. STEEL                            |   | P      |                                                     |                                                                                       |    |     |
| 4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS              |                                     |   | G      |                                                     |                                                                                       |    |     |
| 5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)             |                                     |   |        | 60. REGULATORY SIGN NOTICE ISSUED                   |                                                                                       |    | NO  |
| 6. DECK EXP JTS. OR DEVICES. NO. OF EACH              | a. STEEL PL OR FINGER               |   |        | 61. PROMPT-ACTION NOTICE ISSUED                     |                                                                                       |    | YES |
|                                                       | b. MISC PREFAB                      |   |        | 62. PRESENTLY POSTED                                |                                                                                       |    | YES |
|                                                       | c. COMPRESSION SEAL                 |   |        | 63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR) |                                                                                       |    | 38  |
|                                                       | d. STANDARD JOINTS                  | 5 | G      | 64. TOTAL SNOOPER INSP. TIME (HRS)                  |                                                                                       |    | 0   |
|                                                       | e. OPEN JOINTS                      |   |        | 65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)            |                                                                                       |    | 28  |
| 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                                                                               | 5  |     |
| 10. LONGITUDINAL BEAMS OR GIRDERS                     |                                     |   | C      | b. SUPERSTRUCTURE                                   | ITEM 59                                                                               | 3  |     |
| 11. LONGITUDINAL JOIST OR STRINGERS                   |                                     |   |        | c. SUBSTRUCTURE                                     | ITEM 60                                                                               | 3  |     |
| 12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S           |                                     |   | P      | d. CHANNEL & CHANNEL PROT.                          | ITEM 61                                                                               | 5  |     |
| 13. END DIAP'S, CURTAIN WALLS, & CONN'S               |                                     |   |        |                                                     |                                                                                       |    |     |
| 14. FLOOR BEAMS AND CONNECTIONS                       |                                     |   |        | 71. SI&A FIELD APPRAISAL RATINGS                    |                                                                                       |    |     |
| 15. BEARING ASSEMBLIES (INCLUDING MISALIGN)           |                                     |   | C      | a. WATERWAY ADAQUACY                                |                                                                                       | 7  |     |
| 16. DRAINAGE SYSTEM (ON STRUCTURE)                    |                                     |   | G      | b. APPR. RDWY. ALIGNMENT                            |                                                                                       | 7  |     |
| 17. MOVABLE SPAN MACHINERY                            |                                     |   |        |                                                     |                                                                                       |    |     |
|                                                       |                                     |   |        | 72. FIELD SCOUR EVALUATION                          |                                                                                       |    | O   |
| SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)               |                                     |   |        |                                                     |                                                                                       |    |     |
| 35. TIM SUB STR.                                      | a. ABUT. & INT. BENT CAPS & RISERS  |   | C      | USE OF INSP. ACCESSIBILITY EQUIPMENT                |                                                                                       |    |     |
|                                                       | b. PILES, POST, SILLS, & BRACING    |   | F      | SNOOPER (CODE S, 4, OR N)                           | HRS                                                                                   | NO |     |
|                                                       | c. BULKHEADS, WING'S, & TIE BACKS   |   | F      | LADDER                                              |                                                                                       | NO |     |
| 36. CONC SUB STR.                                     | a. ABUT. & INT. BENT CAPS           |   |        | BUCKET TRUCK                                        |                                                                                       |    | NO  |
|                                                       | b. ABUT. & BENT COL'S BREASTWALLS   |   |        | BOAT                                                |                                                                                       |    | NO  |
|                                                       | c. ABUT. & INT. BENT PILES          |   |        | OTHER                                               |                                                                                       |    | YES |
|                                                       | d. BACKWALLS, WING'S, RETAIN. WALLS |   | F      |                                                     |                                                                                       |    |     |
|                                                       | e. ABUT. & BENT FOOTINGS & SILLS    |   | F      |                                                     |                                                                                       |    |     |
| 37. STEEL SUB STR.                                    | a. ABUT. & INT. BENT CAPS & RISERS  |   |        | SPECIAL INSPECTION REQUESTED FOR                    |                                                                                       |    |     |
|                                                       | b. PILES, BRACING, AND BULKHEADS    |   | G      |                                                     |                                                                                       |    |     |
| 38. FOUNDATION PILES TYPE MATERIAL                    |                                     |   |        | NOTE                                                |                                                                                       |    |     |
| 39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)           |                                     |   |        |                                                     |                                                                                       |    |     |
| 40. FENDER SYSTEMS                                    |                                     |   |        | 80. INSPECTED BY:                                   |  |    |     |
| 41. DRIFT                                             |                                     |   | F      | 81. REVIEWED BY:                                    |                                                                                       |    |     |

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|------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Team Leader <b>MAX FORD</b>                                                                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Assisted By <b>RAP</b>                                                                               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| Item No.                                                                                             | Grade |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 1                                                                                                    | G     | AWS IS GOOD AT THIS TIME...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 2c                                                                                                   | F     | THE STEEL PLANK IS IN GOOD CONDITION AT THIS TIME... THE FOLLOWING<br>DESCREPARNCIES WERE NOTED...                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|                                                                                                      |       | RT. SIDE DECK CHANNEL AT PIER (3) IS LOOSE FROM DECK... (+/- 15 LF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| 3d                                                                                                   | P     | RT. SIDE CHANNEL, SPAN (B) AT PIER (2) IS LOOSE FROM DECK, (+/- 30 LF)<br>RANDOM PAINT PEELING THROUGHOUT.<br><br>SPAN 2 LEFT RAIL TOP BENT DOWN 1/2 IN IN SEVERAL AREAS FROM MID-SPAN TO<br>BENT 2, RIGHT SIDE SIMILAR.<br><br>RAIL CONNECTIONS ARE DETERIORATED, (HARD WARE IS REDUCED 50 TO 90<br>PERCENT)...<br><br>RAILS ARE CONSIDERED TO BE IN POOR CONDITION AT THIS TIME DUE TO THE<br>SEVERE DETERIORATION OF WEBS AT EXTERIOR BEAMS...<br><br>WEBS ARE DETERIORATED WITH RANDOM HOLES AROUND RAIL POST<br>CONNECTIONS.<br><br>SEE REPORT PHOTOS AND SKETCHES... |  |
| 4                                                                                                    | G     | PMN ISSUED FOR THIS ITEM...<br>WHELLGUARDS ARE GOOD AT THIS TIME WITH AREAS OF PEELING PAINT...                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 6d                                                                                                   | G     | (5) STD. JOINTS ARE SEALED AND IN GOOD CONDITION AT THIS TIME...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 7                                                                                                    | G     | DECK SURFACE IS CLEAR AT THIS TIME...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 10                                                                                                   | C     | SEE EXPANDED NOTES...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|                                                                                                      |       | Note: More details for this item are on attached sheets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 10A                                                                                                  | NO    | NO CURVED GIRDERS...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 12                                                                                                   | P     | INT. DIAPHRAGMS ARE FAIR AT INTERIOR BEAMS, BUT CONSIDERED POOR AT<br>EXTERIOR BEAMS DUE TO THE CONDITION OF THE WEBS, WHICH ARE SEVERELY<br>DETERIORATED... SEE BEAM SKETCHES AND (PMN'S)...                                                                                                                                                                                                                                                                                                                                                                              |  |



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| Team Leader <b>MAX FORD</b>                                                                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Assisted By <b>RAP</b>                                                                               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Item No.                                                                                             | Grade |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 15                                                                                                   | C     | BEARING ARE SIMILAR THROUGHOUT, SEVERE RUST, SCALE AND LOSS OF SECTION. HARDWARE REDUCED 100 PERCENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 16                                                                                                   | G     | BEARING PLATES ARE CRUSHING INTO THE TOP OF ALL CAPS...<br>GOOD AT THIS TIME...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 52                                                                                                   | C     | PAINT SYSTEM HAS FAILED...SEVERE RUST, SCALE AND LOSS OF SECTION ALONG FULL LENGTH OF BEAMS (1) AND (10)... AND NUMEROUS LOCATIONS AT ENDS OF INTERIOR BEAMS...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 35a                                                                                                  | C     | CAPS ARE IN VERY POOR CONDITION AT THIS TIME... ALL ARE SPLIT, DECAYED AND PIER CAPS HAVE CRUSHING DEFORMATION FULL LENGTH... SEE PHOTOS<br><br>ABUT. (A) CAP IS DECAYED , AND SPLIT ALONG THE TOP, LT. END. DECAY EXTENDS BENEATH BRG. PLATE, AND PLATE IS CRUSHING INTO TOP OF CAP...<br><br>RT. END OF ABUT. (A) CAP IS DECAYED (+/- 6" DIAM.) AND EXTENDS BENEATH BEARING PLATE, WHICH IS CRUSHING INTO TOP OF CAP. CAP IS SPLIT FULL LENGTH...<br><br>LT. END OF PIER (1) CAP IS SPLIT AND DECAYED ON END, DECAY EXTENDS BENEATH BRG. PLATE, AND THROUGHOUT CAP FULL LENGTH... CAP IS HOLLOW.<br><br>SPLIT ALONG TOP CENTER OF PIER (1) CAP... SHOWN BTWN. SEATS (1) AND (2)...<br><br>WEST FACE OF PIER (2) CAP, SPLIT AND BUCKLING... CAP IS SUBJECT TO FAILURE...<br><br>LT. END OF PIER (2) CAP; (CONCRETE REPAIR ATTEMPT HAS FAILED)... CAP SPLIT, AND DETERIORATED, BRG. PLATE CRUSHING, BEAMS ARE RESTING ON CAP IN SEVERAL AREAS... (25 LF)<br><br>PIER (2) CAP SPLIT ALONG TOP CENTER, HOLLOW INSIDE, SPLIT ALONG FACES AND CRUSHING, THIS PHOTO BTWN. SEATS (1) AND (2)...<br><br>PIER (2) CAP BTWN. SEATS (3) AND (4)... SPLIT ALONG TOP CENTER IS SIMILAR FULL LENGTH...<br>BEARING PLATES ARE CRUSHING INTO TOP OF PIER (2) CAP...<br><br>PIER (3) CAP; SPLIT FULL LENGTH ALONG TOP CENTER... CAP IS DECAYED IN CENTER, SPLIT WITH DEFORMATION ALONG WEST FACE... (+/- 25 LF)<br><br>ABUTMENT (B) CAP IS BEGINNING TO DECAY ON ENDS AND SPLIT ALONG TOP CENTER... FAIR CONDITION AT THIS TIME...<br>PILES ARE WEATHERED, CHECKING AND SPLITTING... |  |
| 35b                                                                                                  | F     | PILE 1 IN BENT 2 HAS STEEL H-PILE REPLACEMENT.<br><br>ABUTMENT 2 PILE 3 ENCASED...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |

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| Team Leader <b>MAX FORD</b>                                                                          |       |                                                                                                                                                                                                                                                      |  |
| Assisted By <b>RAP</b>                                                                               |       |                                                                                                                                                                                                                                                      |  |
| Item No.                                                                                             | Grade |                                                                                                                                                                                                                                                      |  |
| 35c                                                                                                  | F     | (2) BULKHEAD BOARDS ARE DECAYED ADJACENT TO LT. END OF ABUT. (A) CAP...<br>(+/- 6 SF)<br><br>TIMBER BOARDS HAVE BEEN NAILED TO FACE OF PILES 4 & 5, 3 FT HIGH.<br><br>BULKHEADS ARE WEATHERED AND CHECKING WITH AREAS OF SPOT DECAY<br>THROUGHOUT... |  |
| 36d                                                                                                  | F     | CONCRETE ENCASEMENTS ARE IN FAIR CPONDITION AT THIS TIME...                                                                                                                                                                                          |  |
| 36e                                                                                                  | F     | MINOR SCALING WITH EXPOSED AGGREGATE AT TOP OF FOOTING AT BENTS 2 & 3.                                                                                                                                                                               |  |
| 37b                                                                                                  | G     | GOOD AT THIS TIME...                                                                                                                                                                                                                                 |  |
| 41                                                                                                   | F     | DRIFT, LARGE TREE (+/- 2 FT. DIAM.) X (+/- 30 FT. LONG) UPSTREAM IN SPAN (B)...                                                                                                                                                                      |  |
| 45a                                                                                                  | F     | SEE ITEM 41...                                                                                                                                                                                                                                       |  |
| 50                                                                                                   | G     | GOOD AT THIS TIME...                                                                                                                                                                                                                                 |  |
| 54                                                                                                   | C     | MOVEMENT, (CRUSHING DEFORMATION) OF PIER CAPS...                                                                                                                                                                                                     |  |
| 55                                                                                                   | 0     | STRUCTURE IS OUT OF SERVICE AT THIS TIME...                                                                                                                                                                                                          |  |
| 73f                                                                                                  | YES   | HYDRA - PLATFORM... TRAILER MOUNTED.<br><br>GARY ROBBINS PROVIDED THE ACCESS EQUIPMENT FOR THIS INSPECTION, AND<br>ERIC SCHENZ PROVIDED THE TRAFFIC CONTROL...                                                                                       |  |

| State of North Carolina<br>Dept. of Transportation<br>Division of Highways | <b>FIELD INSPECTION REPORT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
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| Item No.                                                                   | Extended Field Inspection Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 10                                                                         | <p>BEAMS ARE IN VERY POOR CONDITION WITH NUMEROUS HOLES IN WEBS BOTH AT BEAM END, AND NEAR MID SPAN... BOTTOM FLANGES AND WEBS OF BEAMS (1) AND (10) ARE SEVERELY DETERIORATED FULL LENGTH. SEE SKETCH. PMN'S ISSUED FOR THE FOLLOWING LOCATIONS:</p> <p>TEMP. REPAIR, END OF BEAM (1) AT ABUT. (A)... AND BEAM (10) AT ABUTMENT (B)...</p> <p>ALL BEAMS AT ABUT. (A) DETERIORATED (+/- 5 LF) ON ENDS... BOTT. FLANGES ARE REDUCED TO (+/- 1/4")... (THIS PHOTO IS BEAM (7)... SEE SKETCH</p> <p>RUST SCALE AND LOSS OF SECTION ALONG BEAM BOTT. FLANGES AT ABUT. (A). (BEAM, 4 SHOWN)... SEE SKETCH</p> <p>BEAM (1), SPAN (A) (RT. SIDE) AT PIER (1); HOLES IN BOTT. OF WEB (+/- 3' L X 6" H)... SEE SKETCH</p> <p>RT. SIDE BEAM (3), SPAN (A) AT PIER (1)... (+/- 2" DIAM.) HOLE IN WEB... SEE SKETCH</p> <p>RT. SIDE BEAM (4), SPAN (A) AT PIER (1)... HOLE IN WEB (+/- 30" L X 6" H)... SEE SKETCH</p> <p>RT. SIDE BEAM (5), SPANS (A) AND (B) AT PIER ( 1)... HOLES IN WEB (+/- 9" L X 6" H) SPAN (A), AND (+/- 1" DIAM.) IN SPAN (B)... SEE SKETCH</p> <p>RT. SIDE BEAM (5), SPAN (B) (+/- 3' FROM PIER (1) CAP... HOLE IN WEB (+/- 12" L X 6" H)... SEE SKETCH</p> <p>RT. SIDE BEAM (6), SPAN (B) AT PIER (1), (+/- 5 ' FROM EAST END OF BEAM) HOLES IN WEB (+/- 7' L X 6" H)... SEE SKETCH</p> <p>RT. SIDE OF BEAM (9), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 18" L X 6" H)... SEE SKETCH</p> <p>RT. SIDE OF BEAM (10), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 12" L X 6" H), NOTE DEEP PITTING... SEE SKETCH</p> <p>BEAM (10) WEB AT FIRST RAIL CONNECTION IN SPAN (B)... HOLES IN WEB (+/- 4' L W/ 2 (+/- 4" DIAM. HOLES)... NOTE CONDITION OF BOTT. FLANGE... SE SKETCH</p> <p>RT. SIDE BEAM (1), SPAN (B) ~ 11 FT. F/ FACE OF PIER (1) CAP... HOLES IN WEB (+/- 3" DIAM.) BELOW RAIL POST CONN... NOTE COND. OF CONN... SEE SKETCH</p> <p>RT. SIDE BEAM (1), SPAN (B)... (+/- 22' FROM PIER (1) CAP NEAR MID SPAN. HOLES IN WEB (+/- 6" AND 3" DIAM.)... SEE SKETCH</p> <p>BLURRED... RT. SIDE BEAM (10), SPAN (B) (+/- 15' F/ EAST FACE OF PIER (1) CAP... HOLES IN WEB (+/- 6" L X 4" H)... HOLES ARE ADJACENT TO RAIL CONN..</p> <p>LT. SIDE BEAM (1), (+/- 24' F/ EAST FACE OF PIER (1) CAP) AT ~ MID SPAN (BOTT. FLNG. DET.) HOLES IN WEB (2) AT (+/- 2" DIAM.) ~ 1' BTWN. HOLES. SKETCH</p> <p>RT. SIDE OF BEAM (10), HOLES IN WEB (APPROX. MID SPAN) AT DIAP. AND RAIL POST CONNS... NOTE REDUCTION OF BOTT. FLANGE. SEE SKETCH &amp; PHOTO 2636...</p> <p>RT. SIDE BEAM (10) AT APPROX. MID SPAN (B), EITHER SIDE OF AN AREA APPROX. 27 FT.</p> |  |

| Item No. | Extended Field Inspection Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|          | <p>FROM PIER (1) CAP... SEE SKETCH</p> <p>BEAM (1), SPANS (B) AND (C) AT PIER (1)... HOLES IN WEB AT BRGS... (SPAN (B) +/- 6" DIAM., SPAN (C) +/- 12" L X 6" H)... NOTE BOTT. FLNG.. SEE SKETCH</p> <p>BEAM (1), SPAN (C), RT. SIDE NEAR OIER (2)... SEE SKETCH FOR DIMENSIONS AND LOCATION OF HOLES IN WEB AND DETERIORATION OF BOTT. FLANGE...</p> <p>BEAM (1), SPAN (C), (LT. OUTSIDE SHOWN)... HOLES IN WEB AND DETERIORATION OF FLANGES... SEE SKETCH</p> <p>BEAM (2), SPAN (C) AT PIER (2)... HOLE IN WEB (+/- 6" L X 3" H), AND DETERIORATION OF BOTT. FLANGE... SEE SKETCH</p> <p>BEAM (3), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 3" H)... NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH</p> <p>BEAM (4), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2" H)... NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH</p> <p>BEAM (5), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2"H), NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH</p> <p>BEAM (10), SPAN (B) AT PIER (2), (+/- 2' FROM END OF BEAM); HOLES IN WEB (+/- 6" L X 3" H)... SEE SKETCH</p> <p>BEAM (10), SPAN (C) (+/- 10' FROM EAST FACE OF PIER (2) CAP), BOTT. FLANGE DETERIORATED... SEE SKETCH</p> <p>BEAM (10), SPAN (C), (+/- 10' FROM EAST FACE OF PIER (2) CAP)... ALTERNATE VIEW... SEE SKETCH</p> <p>BEAM (1), SPAN (C) AT ~ MID SPAN; HOLES IN WEB, (+/- 12' L X 2" TO 10 " H)... (INSIDE VIEW)... SEE SKETCH</p> <p>BEAM (1), SPAN (C) AT ~ MID SPAN (C)... (OUTSIDE VIEW) OF HOLES IN WEB... (+/- 12' L X 2" TO 10" H)... SEE SKETCH</p> <p>BEAM (10), SPAN (C); HOLES IN WEB, (+/- 3" DIAM.) AT ~ (26', 30' AND 34' FROM EAST FACE OF PIER (2) CAP)... WEB SECTION SEVERELY REDUCED. SEE SKETCH</p> <p>BEAM (10) AT ~ MID SPAN (C)... SEE SKETCH AND PHOTOS 2654 AND 2656...</p> <p>BEAM (10) AT ~ MID SPAN (C)... HOLES IN WEB, WEB SECTION SEVERELY REDUCED FULL LENGTH OF BEAM (+/- 45 LF)... SEE SKETCH</p> <p>BEAM (10) AT ~ MID SPAN (C) HOLES IN WEB, (WEB SECTION SEVERLY REDUCED FULL LENGTH... SEE SKETCH AND PHOTOS 2654 AND 2656...</p> <p>BEAM (1), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 7' L X 8" H)... NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH</p> <p>BEAM (1), SPAN (C) (+/- 40'-11" FROM WEST END OF BEAM)... HOLES IN WEB (+/- 12" L X 6" H)... SEE SKETCH</p> <p>BEAM (4), SPAN (C) AT PIER (3); HOLES IN WEB AT END OF BEAM, (+/- 4" X 4")... SEE SKETCH</p> <p>RUST, SCALE AND LOSS OF SECTION AT ALL BEAM ENDS THAT DO NOT HAVE HOLES... SEE SKETCH FOR DETAILS.</p> |

| Item No. | Extended Field Inspection Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <p>BEAM (8), SPAN (C) AT PIER (3); HOLE IN WEB AT BEAM END... (+/- 12" L X 6" H)... SEE SKETCH</p> <p>BEAM (9), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 12" L X 6" H)... SEE SKETCH</p> <p>BEAM (1), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 3" DIAM..)</p> <p>BEAM (2), SPAN (D) AT PIER (3); NUMEROUS PIN HOLES IN WEB AT END OF BEAM... NOTE SEVERE PITTING OF SURROUNDING AREA... SEE SKETCH</p> <p>BEAMS (3) THROUGH (6), SPAN (D)... NOT HOLED THROUGH AT THIS TIME... RUST, SCALE AND LOSS OF SECTION AT BEAM ENDS (+/- 20 LF). SEE CONDITION SKETCH</p> <p>BEAM (7), SPAN (D) AT PIER (3); HOLES IN WEB AT BEAM END, (+/- 8" L X 4" H)... SEE SKETCH</p> <p>BEAM (8), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 8" L X 4" H)... SEE SKETCH</p> <p>BEAM (7), SPAN (D) AT PIER (3); HOLES IN WEB AT BEAM END, (3' L X 6 TO 8" H))... SEE SKETCH</p> <p>BEAM (9), SPAN (D) AT PIER (3); HOLE IN WEB, (+/- 10" L X 3" H)... SEE SKETCH</p> <p>BEAM (10), SPAN (D) AT PIER (3); HOLES IN WEB... TOP IS (+/- 8" L X 6" H) AND BOTTOM IS (+/- 4" L X 2" H)... SEE SKETCH</p> <p>BEAM (10), SPAN (D) (+/- 3' FROM WEST END OF BEAM) BELOW RAIL POST CONNECTION... (2) SMALL (LESS THAN 1" DIAM.) HOLES... SEE SKETCH</p> |



# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                  | Unit | Quantity | Remarks                                                                                                                             | Est. Cost |
|------------------------------------------------------------------------------------------|------------------------------------------|------|----------|-------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (1), SPAN (C) (+/- 40'-11" FROM WEST END OF BEAM)... HOLES IN WEB (+/- 12" L X 6" H)... SEE SKETCH                             |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (10), SPAN (B) AT PIER (2), (+/- 2' FROM END OF BEAM); HOLES IN WEB (+/- 6" L X 3" H)... SEE SKETCH                            |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (10), SPAN (D) (+/- 3' FROM WEST END OF BEAM) BELOW RAIL POST CONNECTION... (2) SMALL (LESS THAN 1" DIAM.) HOLES... SEE SKETCH |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (10), SPAN (D) AT PIER (3); HOLES IN WEB... TOP IS (+/- 8" L X 6" H) AND BOTTOM IS (+/- 4" L X 2" H)... SEE SKETCH             |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (2), SPAN (C) AT PIER (2)... HOLE IN WEB (+/- 6" L X 3" H), AND DETERIORATION OF BOTT. FLANGE... SEE SKETCH                    |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (2), SPAN (D) AT PIER (3); NUMEROUS PIN HOLES IN WEB AT END OF BEAM... NOTE SEVERE PITTING OF SURROUNDING AREA... SEE SKETCH   |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | BEAM (3), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 3" H)... NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH                  |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | BEAM (4), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2" H)... NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH                  |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | BEAM (4), SPAN (C) AT PIER (3); HOLES IN WEB AT END OF BEAM, (+/- 4" X 4")... SEE SKETCH                                            |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | BEAM (5), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2" H), NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH                    |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | BEAM (8), SPAN (C) AT PIER (3); HOLE IN WEB AT BEAM END... (+/- 12" L X 6" H)... SEE SKETCH                                         |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | BEAM (9), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 12" L X 6" H)... SEE SKETCH                                                      |           |

## Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                  | Unit | Quantity | Remarks                                                                                                                                                              | Est. Cost |
|------------------------------------------------------------------------------------------|------------------------------------------|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BEAM (9), SPAN (D) AT PIER (3); HOLE IN WEB, (+/- 10" L X 3" H)... SEE SKETCH                                                                                        |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | BLURRED... RT. SIDE BEAM (10), SPAN (B) (+/- 15' F/ EAST FACE OF PIER (1) CAP... HOLES IN WEB (+/- 6" L X 4" H)... HOLES ARE ADJACENT TO RAIL CONN..                 |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | RT. SIDE BEAM (5), SPAN (B) (+/- 3' FROM PIER (1) CAP... HOLE IN WEB (+/- 12" L X 6" H)... SEE SKETCH                                                                |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | RT. SIDE BEAM (5), SPANS (A) AND (B) AT PIER ( 1)... HOLES IN WEB (+/- 9" L X 6" H) SPAN (A), AND (+/- 1" DIAM.) IN SPAN (B)... SEE SKETCH                           |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 1        | RT. SIDE BEAM (6), SPAN (B) AT PIER (1), (+/- 5 ' FROM EAST END OF BEAM) HOLES IN WEB (+/- 7' L X 6" H)... SEE SKETCH                                                |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | RT. SIDE OF BEAM (10), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 12" L X 6" H), NOTE DEEP PITTING... SEE SKETCH                                             |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 1        | PHOTO; RT. SIDE BEAM (1), SPAN (B) ~ 11 FT. F/ FACE OF PIER (1) CAP... HOLES IN WEB (+/- 3" DIAM.) BELOW RAIL POST CONN... NOTE COND. OF CONN. HARDWARE..            |           |
| 3314                                                                                     | Maintain Steel Superstructure Components | LF   | 1        | SKETCH, BEAM (1), SPAN (B) (+/- 11' FROM FACE OF PIER (1) CAP... RUST SCALE AND LOSS OF SECTION ALONG BEAM BOTT. FLANGES AT ABUT. (A). (BEAM, 4 SHOWN)... SEE SKETCH |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 2        | BEAM (1), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 3" DIAM..)                                                                                               |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 2        | BEAM (8), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 8" L X 4" H)... SEE SKETCH                                                                               |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 2        | RT. SIDE BEAM (1), SPAN (B)... (+/- 22' FROM PIER (1) CAP NEAR MID SPAN. HOLES IN WEB (+/- 6" AND 3" DIAM.)... SEE SKETCH                                            |           |

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                  | Unit | Quantity | Remarks                                                                                                                                                                                                                                                                    | Est. Cost |
|------------------------------------------------------------------------------------------|------------------------------------------|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3314   | Maintain Steel Superstructure Components | LF   | 2        | RT. SIDE OF BEAM (9), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 18" L X 6" H)... SEE SKETCH                                                                                                                                                                       |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 2        | PHOTO (1), RT. SIDE OF BEAM (10), HOLES IN WEB (APPROX. MID SPAN) AT DIAP. AND RAIL POST CONNS... NOTE REDUCTION OF BOTT. FLANGE. SEE SKETCH & PHOTO 2636...                                                                                                               |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 3        | PHOTO (2), RT. SIDE BEAM (10) AT APPROX. MID SPAN (B), EITHER SIDE OF AN AREA APPROX. 27 FT. FROM PIER (1) CAP... SEE SKETCH                                                                                                                                               |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 3        | BEAM (7), SPAN (D) AT PIER (3); HOLES IN WEB AT BEAM END, (2' L X 6 TO 8" H))... SEE SKETCH                                                                                                                                                                                |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 3        | RT. SIDE BEAM (3), SPAN (A) AT PIER (1)... (+/- 2" DIAM.) HOLE IN WEB... SEE SKETCH                                                                                                                                                                                        |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 3        | RT. SIDE BEAM (4), SPAN (A) AT PIER (1)... HOLE IN WEB (+/- 30" L X 6" H)... SEE SKETCH                                                                                                                                                                                    |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 3        | BEAM (1), SPAN (A) (RT. SIDE) AT PIER (1); HOLES IN BOTT. OF WEB (+/- 3' L X 6" H)... SEE SKETCH                                                                                                                                                                           |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 3        | SKETCH, BEAM (1), SPAN (A) AT PIER (1)... (+/- 3 LF)<br>PHOTO, LT. SIDE BEAM (10), (+/- 24' F/ EAST FACE OF PIER (1) CAP) AT ~ MID SPAN (BOTT. FLNG. DET.) HOLES IN WEB (2) AT (+/- 2" DIAM.) ~ 1' BTWN. HOLES.                                                            |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 4        | SKETCH, BEAM (10), SPAN (B) (+/- 24' FROM EAST FACE OF PIER (1) CAP... NOTE REDUCTION OF SURROUNDING MATERIAL...<br>BEAM (10) WEB AT FIRST RAIL CONNECTION IN SPAN (B)... HOLES IN WEB (+/- 4' L W/ 2, +/- 4" DIAM. HOLES)... NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH |           |

## Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                  | Unit | Quantity | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Est. Cost |
|------------------------------------------------------------------------------------------|------------------------------------------|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3314   | Maintain Steel Superstructure Components | LF   | 7        | BEAM (1), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 7' L X 8" H)... NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 12       | PHOTO (1), BEAM (1), SPAN (C) AT ~ MID SPAN; HOLES IN WEB, (+/- 12' L X 2" TO 10" H)... (INSIDE VIEW)... SEE SKETCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |
|  3314   | Maintain Steel Superstructure Components | LF   | 12       | PHOTO (2), BEAM (1), SPAN (C) AT ~ MID SPAN (C)... (OUTSIDE VIEW) OF HOLES IN WEB... (+/- 12' L X 2" TO 10" H)... SEE SKETCH<br>PHOTO (1), BEAM (1), SPANS (B) AND (C) AT PIER (2)... HOLES IN WEB AT BRGS... (SPAN (B) +/- 6" DIAM., SPAN (C) +/- 12" L X 6" H)... NOTE BOTT. FLNG..<br><br>PHOTO (2), BEAM (1), SPAN (C), RT. SIDE NEAR PIER (2)... SEE REPORT SKETCH FOR DIMENSIONS AND LOCATION OF HOLES IN WEB AND DETERIORATION OF BOTT. FLANGE...<br><br>PHOTO (3), BEAM (1), SPAN (C), (LT. OUTSIDE SHOWN)... HOLES IN WEB AND DETERIORATION OF FLANGES...<br><br>(+/- 12 LF) THIS AREA... |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 12       | PHOTO (1), BEAM (10), SPAN (C) (+/- 10' FROM EAST FACE OF PIER (2) CAP), BOTT. FLANGE DETERIORATED... SEE SKETCH PHOTO (2),<br><br>BEAM (10), SPAN (C), (+/- 10' FROM EAST FACE OF PIER (2) CAP)... ALTERNATE VIEW... SEE SKETCH                                                                                                                                                                                                                                                                                                                                                                   |           |

## Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                  | Unit | Quantity | Remarks                                                                                                                                                         | Est. Cost |
|------------------------------------------------------------------------------------------|------------------------------------------|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3314   | Maintain Steel Superstructure Components | LF   | 45       | PHOTO (1), BEAM (10), SPAN (C); HOLES IN WEB, (+/- 3" DIAM.) AT ~ (26', 30' AND 34' FROM EAST FACE OF PIER (2) CAP)... WEB SECTION SEVERELY REDUCED. SEE SKETCH |           |
|                                                                                          |                                          |      |          | PHOTO (2), BEAM (10) AT ~ MID SPAN (C) HOLES IN WEB, (WEB SECTION SEVERLY REDUCED FULL LENGTH... SEE SKETCH AND PHOTOS 2654 AND 2656...                         |           |
|                                                                                          |                                          |      |          | PHOTO (3), BEAM (10) AT ~ MID SPAN (C)... HOLES IN WEB, WEB SECTION SEVERELY REDUCED FULL LENGTH OF BEAM (+/- 45 LF)... SEE SKETCH                              |           |
| 3314                                                                                     | Maintain Steel Superstructure Components | LF   | 50       | ALL BEAMS AT ABUT. (A) DETERIORATED (+/- 5 LF) ON ENDS... BOTT. FLANGES ARE REDUCED TO (+/- 1/4")... (THIS PHOTO IS BEAM (7)... SEE SKETCH                      |           |
|                                                                                          |                                          |      |          | RUST SCALE AND LOSS OF SECTION ALONG BEAM BOTT. FLANGES AT ABUT. (A). (BEAM, 4 SHOWN)... SEE SKETCH                                                             |           |
|                                                                                          |                                          |      |          | RUST SCALE AND LOSS OF SECTION ALONG BEAM BOTT. FLANGES AT ABUT. (A). (BEAM, 4 SHOWN)... SEE SKETCH                                                             |           |
|  3314 | Maintain Steel Superstructure Components | LF   | 362      | SKETCH SHOWS THE SEVERE DETERIORATION OF WEBS AND FLANGES ALONG FULL LENGTH OF BEAMS (1) AND (10)...                                                            |           |
|  3322 | Maint to Steel Handrail                  | LF   | 364      | RAIL POST CONNECTIONS ARE POOR DUE TO THE DETERIORATION AND WEAKENING OF EXTERIOR BEAM WEBS, AND CONNECTION HARDWARE...                                         |           |
|                                                                                          |                                          |      |          | WEBS ARE REDUCED IN SEVERAL AREAS TO (+/- 1/32" SECTION REMAINING)...                                                                                           |           |
|                                                                                          |                                          |      |          | CONNECTIONS ARE SIMILAR AT BOTH LEFT AND RIGHT RAILS...                                                                                                         |           |

Key

 Priority Maintenance Item

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# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                              | Unit | Quantity | Remarks                                                                                                                                                                                                                                                                                                    | Est. Cost |
|------------------------------------------------------------------------------------------|------------------------------------------------------|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 3328                                                                                     | Maintenance/Repair/ Replace Steel Plank Bridge Floor | SF   | 45       | RT. SIDE DECK CHANNEL AT PIER (3) IS LOOSE FROM DECK... (+/- 15 LF)                                                                                                                                                                                                                                        |           |
|  3334   | Bridge Bearings                                      | EA   | 80       | RT. SIDE CHANNEL, SPAN (B) AT PIER (2) IS LOOSE FROM DECK, (+/- 30 LF)<br>BEARING ARE SIMILAR THROUGHOUT, SEVERE RUST, SCALE AND LOSS OF SECTION. HARDWARE REDUCED 100 PERCENT.                                                                                                                            |           |
|  3344   | Repair / Replace Timber Substructure Components      | LF   | 25       | ABUT. (A) CAP IS DECAYED , AND SPLIT ALONG THE TOP, LT. END. DECAY EXTENDS BENEATH BRG. PLATE, AND PLATE IS CRUSHING INTO TOP OF CAP...<br><br>RT. END OF ABUT. (A) CAP IS DECAYED (+/- 6" DIAM.) AND EXTENDS BENEATH BEARING PLATE, WHICH IS CRUSHING INTO TOP OF CAP.<br><br>CAP IS SPLIT FULL LENGTH... |           |
| 3344                                                                                     | Repair / Replace Timber Substructure Components      | LF   | 25       | ABUTMENT (B) CAP IS BEGINNING TO DECAY ON ENDS AND SPLIT ALONG TOP CENTER...                                                                                                                                                                                                                               |           |
|  3344 | Repair / Replace Timber Substructure Components      | LF   | 25       | PHOTO (1), LT. END OF PIER (1) CAP IS SPLIT AND DECAYED ON END, DECAY EXTENDS BENEATH BRG. PLATE, AND THROUGHOUT CAP FULL LENGTH...<br><br>PHOTO (2), CAP IS HOLLOW. SPLIT ALONG TOP CENTER OF PIER (1) CAP... SHOWN BTWN. SEATS (1) AND (2)...<br><br>NOTE: BEARING IS MISALIGNED WITH THE CAP...         |           |

## Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

Date: 07/25/2012

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

| MMS Code                                                                                 | Description of Function                         | Unit | Quantity | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Est. Cost |
|------------------------------------------------------------------------------------------|-------------------------------------------------|------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3344   | Repair / Replace Timber Substructure Components | LF   | 25       | <p>PHOTO (1), LT. END OF PIER (2) CAP; (CONCRETE REPAIR ATTEMPT HAS FAILED)... CAP SPLIT, AND DETERIORATED, BRG. PLATE CRUSHING, BEAMS ARE RESTING ON CAP...</p> <p>PHOTO (2), PIER (2) CAP SPLIT ALONG TOP CENTER, HOLLOW INSIDE, SPLIT ALONG FACES AND CRUSHING, THIS PHOTO BTWN. SEATS (1) AND (2)...</p> <p>PHOTO (3), WEST FACE OF PIER (2) CAP, SPLIT AND BUCKLING... CAP IS SUBJECT TO FAILURE...</p> <p>PHOTO (4), PIER (2) CAP BTWN. SEATS (3) AND (4)... SPLIT ALONG TOP CENTER IS SIMILAR FULL LENGTH...</p> <p>PHOTO (5), BEARING PLATES ARE CRUSHING INTO TOP OF PIER (2) CAP...</p> |           |
|  3344 | Repair / Replace Timber Substructure Components | LF   | 25       | <p>PIER (3) CAP; SPLIT FULL LENGTH ALONG TOP CENTER...</p> <p>CAP IS DECAYED IN CENTER, SPLIT WITH DEFORMATION ALONG WEST FACE... (+/- 25 LF)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |
| 3346                                                                                     | Repair / Maintain Timber Wings & Blkhds         | SF   | 6        | (2) BULKHEAD BOARDS ARE DECAYED ADJACENT TO LT. END OF ABUT. (A) CAP... (+/- 6 SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |
| 3366                                                                                     | Drift and Debris Removal                        | HR   | 35       | DRIFT, LARGE TREE (+/- 2 FT. DIAM.) X (+/- 30 FT. LONG) UPSTREAM IN SPAN (B)...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |

## Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                         | MMS Description                          | Quantity      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                                                                                                                             | Maintain Steel Superstructure Components | 12 LF         |
| Location:                                                                                                                                                                                                                        |                                          |               |
| Beams and Girders                                                                                                                                                                                                                | Bent/Span No. 3                          | BEAM (10)     |
| Priority Level                                                                                                                                                                                                                   | Status                                   |               |
| Priority Maintenance                                                                                                                                                                                                             | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                                                                                                                                  | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                                                                                                                       | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                                                                                                                          |                                          |               |
| PHOTO (1), BEAM (10), SPAN (C) (+/- 10' FROM EAST FACE OF PIER (2) CAP), BOTT. FLANGE DETERIORATED... SEE SKETCH PHOTO (2),<br><br>BEAM (10), SPAN (C), (+/- 10' FROM EAST FACE OF PIER (2) CAP)... ALTERNATE VIEW... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MMS Description                          | Quantity      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Maintain Steel Superstructure Components | 45 LF         |
| Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |               |
| Beams and Girders                                                                                                                                                                                                                                                                                                                                                                                                                                               | Bent/Span No. 3                          | BEAM (10)     |
| Priority Level                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Status                                   |               |
| Priority Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                            | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |               |
| <p>PHOTO (1), BEAM (10), SPAN (C); HOLES IN WEB, (+/- 3" DIAM.) AT ~ (26', 30' AND 34' FROM EAST FACE OF PIER (2) CAP)... WEB SECTION SEVERELY REDUCED. SEE SKETCH</p> <p>PHOTO (2), BEAM (10) AT ~ MID SPAN (C) HOLES IN WEB, (WEB SECTION SEVERLY REDUCED FULL LENGTH... SEE SKETCH AND PHOTOS 2654 AND 2656...</p> <p>PHOTO (3), BEAM (10) AT ~ MID SPAN (C)... HOLES IN WEB, WEB SECTION SEVERELY REDUCED FULL LENGTH OF BEAM (+/- 45 LF)... SEE SKETCH</p> |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                 | MMS Description                          | Quantity      |
|------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                     | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                |                                          |               |
| Beams and Girders                                                                        | Bent/Span No. 3                          | BEAM (4)      |
| Priority Level                                                                           | Status                                   |               |
| Priority Maintenance                                                                     | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                          | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                               | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                  |                                          |               |
| BEAM (4), SPAN (C) AT PIER (3); HOLES IN WEB AT END OF BEAM, (+/- 4" X 4")... SEE SKETCH |                                          |               |

| MMS Code                                                                                                                          | MMS Description                          | Quantity      |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                              | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                                         |                                          |               |
| Beams and Girders                                                                                                                 | Bent/Span No. 4                          | BEAM (2)      |
| Priority Level                                                                                                                    | Status                                   |               |
| Priority Maintenance                                                                                                              | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                                   | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                        | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                           |                                          |               |
| BEAM (2), SPAN (D) AT PIER (3); NUMEROUS PIN HOLES IN WEB AT END OF BEAM... NOTE SEVERE PITTING OF SURROUNDING AREA... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                      | MMS Description                          | Quantity      |
|-------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                          | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                     |                                          |               |
| Beams and Girders                                                             | Bent/Span No. 4                          | BEAM (9)      |
| Priority Level                                                                | Status                                   |               |
| Priority Maintenance                                                          | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                               | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                    | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                       |                                          |               |
| BEAM (9), SPAN (D) AT PIER (3); HOLE IN WEB, (+/- 10" L X 3" H)... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282 County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                   | MMS Description                          | Quantity              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------|
| 3322                                                                                                                                                                                                                                                                       | Maint to Steel Handrail                  | 364 LF                |
| Location:                                                                                                                                                                                                                                                                  |                                          |                       |
| Left Rail                                                                                                                                                                                                                                                                  | Bent/Span No. 4                          | BOTH RAILS, ALL SPANS |
| Priority Level                                                                                                                                                                                                                                                             | Status                                   |                       |
| Priority Maintenance                                                                                                                                                                                                                                                       | Division Bridge Maintenance Notification |                       |
| Submitted Date:                                                                                                                                                                                                                                                            | Submitted By:                            | Assisted By:          |
| 08/06/2012                                                                                                                                                                                                                                                                 | MAX FORD                                 | ROBERT PIERCE         |
| Details                                                                                                                                                                                                                                                                    |                                          |                       |
| <p>RAIL POST CONNECTIONS ARE POOR DUE TO THE DETERIORATION AND WEAKENING OF EXTERIOR BEAM WEBS, AND CONNECTION HARDWARE...</p> <p>WEBS ARE REDUCED IN SEVERAL AREAS TO (+/- 1/32" SECTION REMAINING)...</p> <p>CONNECTIONS ARE SIMILAR AT BOTH LEFT AND RIGHT RAILS...</p> |                                          |                       |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282                      County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                                                          | MMS Description                                 | Quantity      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------|
| 3344                                                                                                                                                                                                                                                                                                              | Repair / Replace Timber Substructure Components | 25      LF    |
| Location:                                                                                                                                                                                                                                                                                                         |                                                 |               |
| Abutment Cap                      Bent/Span No.    1                      ABUTMENT (A) CAP                                                                                                                                                                                                                        |                                                 |               |
| Priority Level                                                                                                                                                                                                                                                                                                    | Status                                          |               |
| Priority Maintenance                                                                                                                                                                                                                                                                                              | Division Bridge Maintenance Notification        |               |
| Submitted Date:                                                                                                                                                                                                                                                                                                   | Submitted By:                                   | Assisted By:  |
| 08/06/2012                                                                                                                                                                                                                                                                                                        | MAX FORD                                        | ROBERT PIERCE |
| Details                                                                                                                                                                                                                                                                                                           |                                                 |               |
| <p>ABUT. (A) CAP IS DECAYED , AND SPLIT ALONG THE TOP, LT. END. DECAY EXTENDS BENEATH BRG. PLATE, AND PLATE IS CRUSHING INTO TOP OF CAP...</p> <p>RT. END OF ABUT. (A) CAP IS DECAYED (+/- 6" DIAM.) AND EXTENDS BENEATH BEARING PLATE, WHICH IS CRUSHING INTO TOP OF CAP.</p> <p>CAP IS SPLIT FULL LENGTH...</p> |                                                 |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MMS Description                                   | Quantity      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3344                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Repair / Replace Timber Substructure Components   | 25 LF         |
| Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                   |               |
| Pier Cap                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bent/Span No. 2                                   | PIER (2) CAP  |
| Priority Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Status                                            |               |
| Priority Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |               |
| <p>PHOTO (1), LT. END OF PIER (2) CAP; (CONCRETE REPAIR ATTEMPT HAS FAILED)... CAP SPLIT, AND DETERIORATED, BRG. PLATE CRUSHING, BEAMS ARE RESTING ON CAP...</p> <p>PHOTO (2), PIER (2) CAP SPLIT ALONG TOP CENTER, HOLLOW INSIDE, SPLIT ALONG FACES AND CRUSHING, THIS PHOTO BTWN. SEATS (1) AND (2)...</p> <p>PHOTO (3), WEST FACE OF PIER (2) CAP, SPLIT AND BUCKLING... CAP IS SUBJECT TO FAILURE...</p> <p>PHOTO (4), PIER (2) CAP BTWN. SEATS (3) AND (4)... SPLIT ALONG TOP CENTER IS SIMILAR FULL LENGTH...</p> <p>PHOTO (5), BEARING PLATES ARE CRUSHING INTO TOP OF PIER (2) CAP...</p> |                                                   |               |



## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                | MMS Description                                   | Quantity      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                                                                    | Maintain Steel Superstructure Components          | 3 LF          |
| Location:                                                                                                                                               |                                                   |               |
| Beams and Girders                                                                                                                                       | Bent/Span No. 2                                   | BEAM (10)     |
| Priority Level                                                                                                                                          | Status                                            |               |
| Priority Maintenance                                                                                                                                    | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                                                         | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                                              | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                                                 |                                                   |               |
| PHOTO, LT. SIDE BEAM (10), (+/- 24' F/ EAST FACE OF PIER (1) CAP) AT ~ MID SPAN (BOTT. FLNG. DET.) HOLES IN WEB (2) AT (+/- 2" DIAM.) ~ 1' BTWN. HOLES. |                                                   |               |
| SKETCH, BEAM (10), SPAN (B) (+/- 24' FROM EAST FACE OF PIER (1) CAP... NOTE REDUCTION OF SURROUNDING MATERIAL...                                        |                                                   |               |

| MMS Code                                                                                                                                   | MMS Description                                   | Quantity      |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                                                       | Maintain Steel Superstructure Components          | 1 LF          |
| Location:                                                                                                                                  |                                                   |               |
| Beams and Girders                                                                                                                          | Bent/Span No. 2                                   | BEAM (5)      |
| Priority Level                                                                                                                             | Status                                            |               |
| Priority Maintenance                                                                                                                       | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                                            | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                                 | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                                    |                                                   |               |
| RT. SIDE BEAM (5), SPANS (A) AND (B) AT PIER ( 1)... HOLES IN WEB (+/- 9" L X 6" H) SPAN (A), AND (+/- 1" DIAM.) IN SPAN (B)... SEE SKETCH |                                                   |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                             | MMS Description                                   | Quantity      |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                 | Maintain Steel Superstructure Components          | 2 LF          |
| Location:                                                                                            |                                                   |               |
| Beams and Girders                                                                                    | Bent/Span No. 2                                   | BEAM (9)      |
| Priority Level                                                                                       | Status                                            |               |
| Priority Maintenance                                                                                 | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                      | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                           | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                              |                                                   |               |
| RT. SIDE OF BEAM (9), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 18" L X 6" H)... SEE SKETCH |                                                   |               |

| MMS Code                                                                                                                                               | MMS Description                          | Quantity      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                                                   | Maintain Steel Superstructure Components | 4 LF          |
| Location:                                                                                                                                              |                                          |               |
| Beams and Girders                                                                                                                                      | Bent/Span No. 2                          | BEAM (10)     |
| Priority Level                                                                                                                                         | Status                                   |               |
| Priority Maintenance                                                                                                                                   | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                                                        | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                                             | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                                                |                                          |               |
| BEAM (10) WEB AT FIRST RAIL CONNECTION IN SPAN (B)... HOLES IN WEB (+/- 4' L W/ 2, +/- 4" DIAM. HOLES)... NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282                      County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                                                    | MMS Description                                   | Quantity          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------|
| 3314                                                                                                                                                                                                                                                                                                        | Maintain Steel Superstructure Components          | 2              LF |
| Location:                                                                                                                                                                                                                                                                                                   |                                                   |                   |
| Beams and Girders                      Bent/Span No.    2                      BEAM (10                                                                                                                                                                                                                     |                                                   |                   |
| Priority Level                                                                                                                                                                                                                                                                                              | Status                                            |                   |
| Priority Maintenance                                                                                                                                                                                                                                                                                        | Division Bridge Maintenance Notification Received |                   |
| Submitted Date:                                                                                                                                                                                                                                                                                             | Submitted By:                                     | Assisted By:      |
| 08/06/2012                                                                                                                                                                                                                                                                                                  | MAX FORD                                          | ROBERT PIERCE     |
| Details                                                                                                                                                                                                                                                                                                     |                                                   |                   |
| <p>PHOTO (1), RT. SIDE OF BEAM (10), HOLES IN WEB (APPROX. MID SPAN) AT DIAP. AND RAIL POST CONNS... NOTE REDUCTION OF BOTT. FLANGE. SEE SKETCH &amp; PHOTO 2636...</p> <p>PHOTO (2), RT. SIDE BEAM (10) AT APPROX. MID SPAN (B), EITHER SIDE OF AN AREA APPROX. 27 FT. FROM PIER (1) CAP... SEE SKETCH</p> |                                                   |                   |

| MMS Code                                                                                                          | MMS Description                                   | Quantity            |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------|
| 3314                                                                                                              | Maintain Steel Superstructure Components          | 362              LF |
| Location:                                                                                                         |                                                   |                     |
| Beams and Girders                      Bent/Span No.    4                      BEAMS (1) AND (10), FULL LENGTH... |                                                   |                     |
| Priority Level                                                                                                    | Status                                            |                     |
| Priority Maintenance                                                                                              | Division Bridge Maintenance Notification Received |                     |
| Submitted Date:                                                                                                   | Submitted By:                                     | Assisted By:        |
| 08/06/2012                                                                                                        | MAX FORD                                          | ROBERT PIERCE       |
| Details                                                                                                           |                                                   |                     |
| <p>SKETCH SHOWS THE SEVERE DETERIORATION OF WEBS AND FLANGES ALONG FULL LENGTH OF BEAMS (1) AND (10)...</p>       |                                                   |                     |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                           | MMS Description                                   | Quantity      |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                               | Maintain Steel Superstructure Components          | 1 LF          |
| Location:                                                                                                          |                                                   |               |
| Beams and Girders                                                                                                  | Bent/Span No. 3                                   | BEAM (3)      |
| Priority Level                                                                                                     | Status                                            |               |
| Priority Maintenance                                                                                               | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                    | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                         | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                            |                                                   |               |
| BEAM (3), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 3" H)... NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH |                                                   |               |

| MMS Code                                                                                                                | MMS Description                          | Quantity      |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                    | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                               |                                          |               |
| Beams and Girders                                                                                                       | Bent/Span No. 4                          | BEAM (10)     |
| Priority Level                                                                                                          | Status                                   |               |
| Priority Maintenance                                                                                                    | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                         | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                              | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                 |                                          |               |
| BEAM (10), SPAN (D) AT PIER (3); HOLES IN WEB... TOP IS (+/- 8" L X 6" H) AND BOTTOM IS (+/- 4" L X 2" H)... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                    | MMS Description                          | Quantity      |
|---------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                        | Maintain Steel Superstructure Components | 3 LF          |
| Location:                                                                                   |                                          |               |
| Beams and Girders                                                                           | Bent/Span No. 4                          | BEAM (7)      |
| Priority Level                                                                              | Status                                   |               |
| Priority Maintenance                                                                        | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                             | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                  | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                     |                                          |               |
| BEAM (7), SPAN (D) AT PIER (3); HOLES IN WEB AT BEAM END, (2' L X 6 TO 8" H))... SEE SKETCH |                                          |               |

| MMS Code                                                                       | MMS Description                          | Quantity      |
|--------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                           | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                      |                                          |               |
| Beams and Girders                                                              | Bent/Span No. 3                          | BEAM (9)      |
| Priority Level                                                                 | Status                                   |               |
| Priority Maintenance                                                           | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                     | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                        |                                          |               |
| BEAM (9), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 12" L X 6" H)... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                     | MMS Description                          | Quantity      |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                         | Maintain Steel Superstructure Components | 12 LF         |
| Location:                                                                                                                    |                                          |               |
| Beams and Girders                                                                                                            | Bent/Span No. 3                          | BEAM (1)      |
| Priority Level                                                                                                               | Status                                   |               |
| Priority Maintenance                                                                                                         | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                              | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                   | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                      |                                          |               |
| PHOTO (1), BEAM (1), SPAN (C) AT ~ MID SPAN; HOLES IN WEB, (+/- 12' L X 2" TO 10" H)... (INSIDE VIEW)... SEE SKETCH          |                                          |               |
| PHOTO (2), BEAM (1), SPAN (C) AT ~ MID SPAN (C)... (OUTSIDE VIEW) OF HOLES IN WEB... (+/- 12' L X 2" TO 10" H)... SEE SKETCH |                                          |               |

| MMS Code                                                                                                                            | MMS Description                          | Quantity      |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                                | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                                           |                                          |               |
| Beams and Girders                                                                                                                   | Bent/Span No. 4                          | BEAM (10)     |
| Priority Level                                                                                                                      | Status                                   |               |
| Priority Maintenance                                                                                                                | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                                     | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                          | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                             |                                          |               |
| BEAM (10), SPAN (D) (+/- 3' FROM WEST END OF BEAM) BELOW RAIL POST CONNECTION... (2) SMALL (LESS THAN 1" DIAM.) HOLES... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                               | MMS Description                          | Quantity      |
|----------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                   | Maintain Steel Superstructure Components | 2 LF          |
| Location:                                                                              |                                          |               |
| Beams and Girders                                                                      | Bent/Span No. 4                          | BEAM (8)      |
| Priority Level                                                                         | Status                                   |               |
| Priority Maintenance                                                                   | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                        | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                             | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                |                                          |               |
| BEAM (8), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 8" L X 4" H)... SEE SKETCH |                                          |               |

| MMS Code                                                               | MMS Description                          | Quantity      |
|------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                   | Maintain Steel Superstructure Components | 2 LF          |
| Location:                                                              |                                          |               |
| Beams and Girders                                                      | Bent/Span No. 4                          | BEAM (1)      |
| Priority Level                                                         | Status                                   |               |
| Priority Maintenance                                                   | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                        | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                             | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                |                                          |               |
| BEAM (1), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 3" DIAM..) |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                    | MMS Description                          | Quantity      |
|---------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                        | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                   |                                          |               |
| Beams and Girders                                                                           | Bent/Span No. 3                          | BEAM (8)      |
| Priority Level                                                                              | Status                                   |               |
| Priority Maintenance                                                                        | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                             | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                  | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                     |                                          |               |
| BEAM (8), SPAN (C) AT PIER (3); HOLE IN WEB AT BEAM END... (+/- 12" L X 6" H)... SEE SKETCH |                                          |               |

| MMS Code                                                                                                | MMS Description                          | Quantity      |
|---------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                    | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                               |                                          |               |
| Beams and Girders                                                                                       | Bent/Span No. 3                          | BEAM (1)      |
| Priority Level                                                                                          | Status                                   |               |
| Priority Maintenance                                                                                    | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                         | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                              | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                 |                                          |               |
| BEAM (1), SPAN (C) (+/- 40'-11" FROM WEST END OF BEAM)... HOLES IN WEB (+/- 12" L X 6" H)... SEE SKETCH |                                          |               |



## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                        | MMS Description                          | Quantity      |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                            | Maintain Steel Superstructure Components | 7 LF          |
| Location:                                                                                                       |                                          |               |
| Beams and Girders                                                                                               | Bent/Span No. 3                          | BEAM (1)      |
| Priority Level                                                                                                  | Status                                   |               |
| Priority Maintenance                                                                                            | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                 | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                      | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                         |                                          |               |
| BEAM (1), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 7' L X 8" H)... NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH |                                          |               |

| MMS Code                                                                                                 | MMS Description                                   | Quantity      |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                     | Maintain Steel Superstructure Components          | 1 LF          |
| Location:                                                                                                |                                                   |               |
| Beams and Girders                                                                                        | Bent/Span No. 2                                   | BEAM (10)     |
| Priority Level                                                                                           | Status                                            |               |
| Priority Maintenance                                                                                     | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                          | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                               | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                  |                                                   |               |
| BEAM (10), SPAN (B) AT PIER (2), (+/- 2' FROM END OF BEAM); HOLES IN WEB (+/- 6" L X 3" H)... SEE SKETCH |                                                   |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                             | MMS Description                          | Quantity      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                                                 | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                                                            |                                          |               |
| Beams and Girders                                                                                                                                    | Bent/Span No. 2                          | BEAM (10)     |
| Priority Level                                                                                                                                       | Status                                   |               |
| Priority Maintenance                                                                                                                                 | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                                                      | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                                                           | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                                              |                                          |               |
| BLURRED... RT. SIDE BEAM (10), SPAN (B) (+/- 15' F/ EAST FACE OF PIER (1) CAP... HOLES IN WEB (+/- 6" L X 4" H)... HOLES ARE ADJACENT TO RAIL CONN.. |                                          |               |

| MMS Code                                                                                                                  | MMS Description                                   | Quantity      |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                                      | Maintain Steel Superstructure Components          | 2 LF          |
| Location:                                                                                                                 |                                                   |               |
| Beams and Girders                                                                                                         | Bent/Span No. 2                                   | BEAM (1)      |
| Priority Level                                                                                                            | Status                                            |               |
| Priority Maintenance                                                                                                      | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                           | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                   |                                                   |               |
| RT. SIDE BEAM (1), SPAN (B)... (+/- 22' FROM PIER (1) CAP NEAR MID SPAN. HOLES IN WEB (+/- 6" AND 3" DIAM.)... SEE SKETCH |                                                   |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282 County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                              | MMS Description                                   | Quantity               |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------|
| 3334                                                                                                  | Bridge Bearings                                   | 80 EA                  |
| Location:                                                                                             |                                                   |                        |
| Beams and Girders                                                                                     | Bent/Span No. 4                                   | ALL BEARING ASSEMBLIES |
| Priority Level                                                                                        | Status                                            |                        |
| Priority Maintenance                                                                                  | Division Bridge Maintenance Notification Received |                        |
| Submitted Date:                                                                                       | Submitted By:                                     | Assisted By:           |
| 08/06/2012                                                                                            | MAX FORD                                          | ROBERT PIERCE          |
| Details                                                                                               |                                                   |                        |
| BEARING ARE SIMILAR THROUGHOUT, SEVERE RUST, SCALE AND LOSS OF SECTION. HARDWARE REDUCED 100 PERCENT. |                                                   |                        |

| MMS Code                                                                            | MMS Description                                   | Quantity      |
|-------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                | Maintain Steel Superstructure Components          | 3 LF          |
| Location:                                                                           |                                                   |               |
| Beams and Girders                                                                   | Bent/Span No. 1                                   | BEAM (3)      |
| Priority Level                                                                      | Status                                            |               |
| Priority Maintenance                                                                | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                     | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                          | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                             |                                                   |               |
| RT. SIDE BEAM (3), SPAN (A) AT PIER (1)... (+/- 2" DIAM.) HOLE IN WEB... SEE SKETCH |                                                   |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                             | MMS Description                                   | Quantity      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                                                                                                                                                 | Maintain Steel Superstructure Components          | 1 LF          |
| Location:                                                                                                                                                                                                                            |                                                   |               |
| Beams and Girders                                                                                                                                                                                                                    | Bent/Span No. 2                                   | BEAM (1)      |
| Priority Level                                                                                                                                                                                                                       | Status                                            |               |
| Priority Maintenance                                                                                                                                                                                                                 | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                                                                                                                                      | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                                                                                                                           | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                                                                                                                              |                                                   |               |
| PHOTO; RT. SIDE BEAM (1), SPAN (B) ~ 11 FT. F/ FACE OF PIER (1) CAP... HOLES IN WEB (+/- 3" DIAM.)<br>BELOW RAIL POST CONN... NOTE COND. OF CONN. HARDWARE..<br><br>SKETCH, BEAM (1), SPAN (B) (+/- 11' FROM FACE OF PIER (1) CAP... |                                                   |               |

| MMS Code                                                                                                                                                 | MMS Description                                   | Quantity      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                                                                     | Maintain Steel Superstructure Components          | 3 LF          |
| Location:                                                                                                                                                |                                                   |               |
| Beams and Girders                                                                                                                                        | Bent/Span No. 1                                   | BEAM (1)      |
| Priority Level                                                                                                                                           | Status                                            |               |
| Priority Maintenance                                                                                                                                     | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                                                          | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                                               | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                                                  |                                                   |               |
| BEAM (1), SPAN (A) (RT. SIDE) AT PIER (1); HOLES IN BOTT. OF WEB (+/- 3' L X 6" H)... SEE SKETCH<br>SKETCH, BEAM (1), SPAN (A) AT PIER (1)... (+/- 3 LF) |                                                   |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                         | MMS Description                                   | Quantity      |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                                             | Maintain Steel Superstructure Components          | 1 LF          |
| Location:                                                                                                        |                                                   |               |
| Beams and Girders                                                                                                | Bent/Span No. 3                                   | BEAM (2)      |
| Priority Level                                                                                                   | Status                                            |               |
| Priority Maintenance                                                                                             | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                  | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                       | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                          |                                                   |               |
| BEAM (2), SPAN (C) AT PIER (2)... HOLE IN WEB (+/- 6" L X 3" H), AND DETERIORATION OF BOTT. FLANGE... SEE SKETCH |                                                   |               |

| MMS Code                                                                                                                 | MMS Description                          | Quantity      |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                     | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                                |                                          |               |
| Beams and Girders                                                                                                        | Bent/Span No. 2                          | BEAM (10)     |
| Priority Level                                                                                                           | Status                                   |               |
| Priority Maintenance                                                                                                     | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                          | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                               | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                                  |                                          |               |
| RT. SIDE OF BEAM (10), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 12" L X 6" H), NOTE DEEP PITTING... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                | MMS Description                                   | Quantity      |
|-----------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3314                                                                                    | Maintain Steel Superstructure Components          | 3 LF          |
| Location:                                                                               |                                                   |               |
| Beams and Girders                      Bent/Span No.    1                      BEAM (4) |                                                   |               |
| Priority Level                                                                          | Status                                            |               |
| Priority Maintenance                                                                    | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                         | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                              | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                 |                                                   |               |
| RT. SIDE BEAM (4), SPAN (A) AT PIER (1)... HOLE IN WEB (+/- 30" L X 6" H)... SEE SKETCH |                                                   |               |

| MMS Code                                                                                                        | MMS Description                          | Quantity      |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                            | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                       |                                          |               |
| Beams and Girders                      Bent/Span No.    3                      BEAM (5)                         |                                          |               |
| Priority Level                                                                                                  | Status                                   |               |
| Priority Maintenance                                                                                            | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                 | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                      | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                         |                                          |               |
| BEAM (5), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2"H), NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                           | MMS Description                                   | Quantity     |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------|
| 3314                                                                                                               | Maintain Steel Superstructure Components          | 1 LF         |
| Location:                                                                                                          |                                                   |              |
| Beams and Girders                                                                                                  | Bent/Span No. 3                                   | BEAM (4)     |
| Priority Level                                                                                                     | Status                                            |              |
| Priority Maintenance                                                                                               | Division Bridge Maintenance Notification Received |              |
| Submitted Date:                                                                                                    | Submitted By:                                     | Assisted By: |
| 08/06/2012                                                                                                         | MAX FORD                                          | ROBET PIERCE |
| Details                                                                                                            |                                                   |              |
| BEAM (4), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2" H)... NOTE DETERIORATION OF BOTT. FLANGE... SEE SKETCH |                                                   |              |

| MMS Code                                                                                              | MMS Description                          | Quantity      |
|-------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                  | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                             |                                          |               |
| Beams and Girders                                                                                     | Bent/Span No. 2                          | BEAM (5)      |
| Priority Level                                                                                        | Status                                   |               |
| Priority Maintenance                                                                                  | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                       | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                            | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                               |                                          |               |
| RT. SIDE BEAM (5), SPAN (B) (+/- 3' FROM PIER (1) CAP... HOLE IN WEB (+/- 12" L X 6" H)... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                        | MMS Description                                   | Quantity      |
|---------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3344                                                                            | Repair / Replace Timber Substructure Components   | 25 LF         |
| Location:                                                                       |                                                   |               |
| Pier Cap                                                                        | Bent/Span No. 3                                   | PIER (3) CAP  |
| Priority Level                                                                  | Status                                            |               |
| Priority Maintenance                                                            | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                 | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                      | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                         |                                                   |               |
| PIER (3) CAP; SPLIT FULL LENGTH ALONG TOP CENTER...                             |                                                   |               |
| CAP IS DECAYED IN CENTER, SPLIT WITH DEFORMATION ALONG WEST FACE... (+/- 25 LF) |                                                   |               |



## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MMS Description                                   | Quantity                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------|
| 3314                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Maintain Steel Superstructure Components          | 12 LF                      |
| Location:                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                   |                            |
| Beams and Girders                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Bent/Span No. 3                                   | BEAM (1), SPAN (B) AND (C) |
| Priority Level                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Status                                            |                            |
| Priority Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Division Bridge Maintenance Notification Received |                            |
| Submitted Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Submitted By:                                     | Assisted By:               |
| 08/06/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAX FORD                                          | ROBERT PIERCE              |
| Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                            |
| <p>PHOTO (1), BEAM (1), SPANS (B) AND (C) AT PIER (2)... HOLES IN WEB AT BRGS... (SPAN (B) +/- 6" DIAM., SPAN (C) +/- 12" L X 6" H)... NOTE BOTT. FLNG..</p> <p>PHOTO (2), BEAM (1), SPAN (C), RT. SIDE NEAR PIER (2)... SEE REPORT SKETCH FOR DIMENSIONS AND LOCATION OF HOLES IN WEB AND DETERIORATION OF BOTT. FLANGE...</p> <p>PHOTO (3), BEAM (1), SPAN (C), (LT. OUTSIDE SHOWN)... HOLES IN WEB AND DETERIORATION OF FLANGES...</p> <p>(+/- 12 LF) THIS AREA...</p> |                                                   |                            |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282

County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                             | MMS Description                          | Quantity      |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------|
| 3314                                                                                                                 | Maintain Steel Superstructure Components | 1 LF          |
| Location:                                                                                                            |                                          |               |
| Beams and Girders                                                                                                    | Bent/Span No. 2                          | BEAM (6)      |
| Priority Level                                                                                                       | Status                                   |               |
| Priority Maintenance                                                                                                 | Division Bridge Maintenance Notification |               |
| Submitted Date:                                                                                                      | Submitted By:                            | Assisted By:  |
| 08/06/2012                                                                                                           | MAX FORD                                 | ROBERT PIERCE |
| Details                                                                                                              |                                          |               |
| RT. SIDE BEAM (6), SPAN (B) AT PIER (1), (+/- 5' FROM EAST END OF BEAM) HOLES IN WEB (+/- 7' L X 6" H)... SEE SKETCH |                                          |               |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480282      County IREDELL

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

| MMS Code                                                                                                                                                                                                                                                                                               | MMS Description                                   | Quantity      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| 3344                                                                                                                                                                                                                                                                                                   | Repair / Replace Timber Substructure Components   | 25      LF    |
| Location:                                                                                                                                                                                                                                                                                              |                                                   |               |
| Pier Cap                                                                                                                                                                                                                                                                                               | Bent/Span No.    1      PIER (1) CAP              |               |
| Priority Level                                                                                                                                                                                                                                                                                         | Status                                            |               |
| Priority Maintenance                                                                                                                                                                                                                                                                                   | Division Bridge Maintenance Notification Received |               |
| Submitted Date:                                                                                                                                                                                                                                                                                        | Submitted By:                                     | Assisted By:  |
| 08/06/2012                                                                                                                                                                                                                                                                                             | MAX FORD                                          | ROBERT PIERCE |
| Details                                                                                                                                                                                                                                                                                                |                                                   |               |
| <p>PHOTO (1), LT. END OF PIER (1) CAP IS SPLIT AND DECAYED ON END, DECAY EXTENDS BENEATH BRG. PLATE, AND THROUGH CAP FULL LENGTH...</p> <p>PHOTO (2), CAP IS HOLLOW. SPLIT ALONG TOP CENTER OF PIER (1) CAP... SHOWN BTWN. SEATS (1) AND (2)...</p> <p>NOTE: BEARING IS MISALIGNED WITH THE CAP...</p> |                                                   |               |



(5) STD. JOINTS ARE SEALED AND IN GOOD CONDITION AT THIS TIME...



POSTING, (NE)





EAST FACE OF PIER (3)



NORTH PROFILE





DRIFT, LARGE TREE (+/- 2 FT. DIAM.) X (+/- 30 FT. LONG) UPSTREAM IN SPAN (B)...



TEMP. REPAIR, END OF BEAM (1) AT ABUT. (A)...





(2) BULKHEAD BOARDS ARE DECAYED ADJACENT TO LT. END OF ABUT. (A) CAP... (+/- 6 SF)



ABUT. (A) CAP IS DECAYED , AND SPLIT ALONG THE TOP, LT. END. DECAY EXTENDS BENEATH BRG. PLATE, AND PLATE IS CRUSHING INTO TOP OF CAP...



RT. END OF ABUT. (A) CAP IS DECAYED (+/- 6" DIAM.) AND EXTENDS BENEATH BEARING PLATE, WHICH IS CRUSHING INTO TOP OF CAP. CAP IS SPLIT FULL LENGTH...





ALL BEAMS AT ABUT. (A) DETERIORATED (+/- 5 LF) ON ENDS... BOTT. FLANGES ARE REDUCED TO (+/- 1/4")...  
(THIS PHOTO IS BEAM (7)... SEE SKETCH



RUST SCALE AND LOSS OF SECTION ALONG BEAM BOTT. FLANGES AT ABUT. (A). (BEAM, 4 SHOWN)... SEE SKETCH



BEAM (1), SPAN (A) (RT. SIDE) AT PIER (1); HOLES IN BOTT. OF WEB (+/- 3' L X 6" H)... SEE SKETCH





LT. END OF PIER (1) CAP IS SPLIT AND DECAYED ON END, DECAY EXTENDS BENEATH BRG. PLATE, AND THROUGH CAP FULL LENGTH... CAP IS HOLLOW.



SPLIT ALONG TOP CENTER OF PIER (1) CAP... SHOWN BTWN. SEATS (1) AND (2)...



SEVERE RUST, SCALE AND LOSS OF SECTION AT ALL BEAM END WEBS AND BOTTOM FLANGES... SEE GENERAL CONDITION SKETCH FOR AREAS NOT MENTIONED IN PMN'S...



RT. SIDE BEAM (3), SPAN (A) AT PIER (1)... (+/- 2" DIAM.) HOLE IN WEB... SEE SKETCH





RT. SIDE BEAM (4), SPAN (A) AT PIER (1)... HOLE IN WEB (+/- 30" L X 6" H)... SEE SKETCH



RT. SIDE BEAM (5), SPANS (A) AND (B) AT PIER ( 1)... HOLES IN WEB (+/- 9" L X 6" H) SPAN (A), AND (+/- 1" DIAM.) IN SPAN (B)... SEE SKETCH



RT. SIDE BEAM (5), SPAN (B) (+/- 3' FROM PIER (1) CAP... HOLE IN WEB (+/- 12" L X 6" H)... SEE SKETCH



RT. SIDE BEAM (6), SPAN (B) AT PIER (1), (+/- 5' FROM EAST END OF BEAM) HOLES IN WEB (+/- 7' L X 6" H)... SEE SKETCH





RT. SIDE OF BEAM (9), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 18" L X 6" H)... SEE SKETCH



RT. SIDE OF BEAM (10), SPANS (A) AND (B) AT PIER (1)... HOLES IN WEB (+/- 12" L X 6" H), NOTE DEEP PITTING... SEE SKETCH



BEAM (10) WEB AT FIRST RAIL CONNECTION IN SPAN (B)... HOLES IN WEB (+/- 4' L W/ 2, +/- 4" DIAM. HOLES)...  
NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH





BEARING ARE SIMILAR THROUGHOUT, SEVERE RUST, SCALE AND LOSS OF SECTION. HARDWARE REDUCED 100 PERCENT.



RT. SIDE BEAM (1), SPAN (B) ~ 11 FT. F/ FACE OF PIER (1) CAP... HOLES IN WEB (+/- 3" DIAM.) BELOW RAIL  
POST CONN... NOTE COND. OF CONN... SEE SKETCH



RT. SIDE BEAM (1), SPAN (B)... (+/- 22' FROM PIER (1) CAP NEAR MID SPAN. HOLES IN WEB (+/- 6" AND 3" DIAM.)... SEE SKETCH



BLURRED... RT. SIDE BEAM (10), SPAN (B) (+/- 15' F/ EAST FACE OF PIER (1) CAP... HOLES IN WEB (+/- 6" L X 4" H)... HOLES ARE ADJACENT TO RAIL CONN..





LT. SIDE BEAM (10), (+/- 24' F/ EAST FACE OF PIER (1) CAP) AT ~ MID SPAN (BOTT. FLNG. DET.) HOLES IN WEB (2) AT (+/- 2" DIAM.) ~ 1' BTWN. HOLES.



RT. SIDE OF BEAM (10), HOLES IN WEB (APPROX. MID SPAN) AT DIAP. AND RAIL POST CONNS... NOTE REDUCTION OF BOTT. FLANGE. SEE SKETCH & PHOTO 2636...





RT. SIDE BEAM (10) AT APPROX. MID SPAN (B), EITHER SIDE OF AN AREA APPROX. 27 FT. FROM PIER (1)  
CAP... SEE SKETCH



BEAM (1), SPANS (B) AND (C) AT PIER (2)... HOLES IN WEB AT BRGS... (SPAN (B) +/- 6" DIAM., SPAN (C) +/- 12" L X 6" H)... NOTE BOTT. FLNG.. SEE SKETCH



BEAM (1), SPAN (C), RT. SIDE NEAR OIER (2)... SEE SKETCH FOR DIMENSIONS AND LOCATION OF HOLES IN WEB AND DETERIORATION OF BOTT. FLANGE...





BEAM (1), SPAN (C), (LT. OUTSIDE SHOWN)... HOLES IN WEB AND DETERIORATION OF FLANGES... SEE SKETCH



BEAM (2), SPAN (C) AT PIER (2)... HOLE IN WEB (+/- 6" L X 3" H), AND DETERIORATION OF BOTT. FLANGE...  
SEE SKETCH



LT. END OF PIER (2) CAP; (CONCRETE REPAIR ATTEMPT HAS FAILED)... CAP SPLIT, AND DETERIORATED, BRG. PLATE CRUSHING, BEAMS ARE RESTING ON CAP... (25 LF)





PIER (2) CAP SPLIT ALONG TOP CENTER, HOLLOW INSIDE, SPLIT ALONG FACES AND CRUSHING, THIS PHOTO BTWN. SEATS (1) AND (2)...



WEST FACE OF PIER (2) CAP, SPLIT AND BUCKLING... CAP IS SUBJECT TO FAILURE...



PIER (2) CAP BTWN. SEATS (3) AND (4)... SPLIT ALONG TOP CENTER IS SIMILAR FULL LENGTH...



BEARING PLATES ARE CRUSHING INTO TOP OF PIER (2) CAP...





BEAM (3), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 3" H)... NOTE DETERIORATION OF BOTT. FLANGE...  
SEE SKETCH



BEAM (4), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2" H)... NOTE DETERIORATION OF BOTT. FLANGE...  
SEE SKETCH



BEAM (5), SPAN (C) AT PIER (2); HOLES IN WEB (+/- 6" L X 2"H), NOTE DETERIORATION OF BOTT. FLANGE...  
SEE SKETCH



BEAM (10), SPAN (B) AT PIER (2), (+/- 2' FROM END OF BEAM); HOLES IN WEB (+/- 6" L X 3" H)... SEE SKETCH





BEAM (10), SPAN (C) (+/- 10' FROM EAST FACE OF PIER (2) CAP), BOTT. FLANGE DETERIORATED... SEE SKETCH



BEAM (10), SPAN (C), (+/- 10' FROM EAST FACE OF PIER (2) CAP)... ALTERNATE VIEW... SEE SKETCH





BEAM (1), SPAN (C) AT ~ MID SPAN; HOLES IN WEB, (+/- 12' L X 2" TO 10" H)... (INSIDE VIEW)... SEE SKETCH



BEAM (1), SPAN (C) AT ~ MID SPAN (C)... (OUTSIDE VIEW) OF HOLES IN WEB... (+/- 12' L X 2" TO 10" H)... SEE SKETCH



BEAM (10), SPAN (C); HOLES IN WEB, (+/- 3" DIAM.) AT ~ (26', 30' AND 34' FROM EAST FACE OF PIER (2) CAP)...  
WEB SECTION SEVERELY REDUCED. SEE SKETCH





BEAM (10) AT ~ MID SPAN (C) HOLES IN WEB, (WEB SECTION SEVERLY REDUCED FULL LENGTH... SEE SKETCH AND PHOTOS 2654 AND 2656...



BEAM (10) AT ~ MID SPAN (C)... HOLES IN WEB, WEB SECTION SEVERELY REDUCED FULL LENGTH OF BEAM  
(+/- 45 LF)... SEE SKETCH





BEAM (1), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 7' L X 8" H)... NOTE CONDITION OF BOTT. FLANGE... SEE SKETCH



BEAM (1), SPAN (C) (+/- 40'-11" FROM WEST END OF BEAM)... HOLES IN WEB (+/- 12" L X 6" H)... SEE SKETCH





BEAM (4), SPAN (C) AT PIER (3); HOLES IN WEB AT END OF BEAM, (+/- 4" X 4")... SEE SKETCH



PIER (3) CAP; SPLIT FULL LENGTH ALONG TOP CENTER... CAP IS DECAYED IN CENTER, SPLIT WITH DEFORMATION ALONG WEST FACE... (+/- 25 LF)



RUST, SCALE AND LOSS OF SECTION AT ALL BEAM ENDS THAT DO NOT HAVE HOLES... SEE SKETCH FOR DETAILS.



BEAM (8), SPAN (C) AT PIER (3); HOLE IN WEB AT BEAM END... (+/- 12" L X 6" H)... SEE SKETCH





BEAM (9), SPAN (C) AT PIER (3); HOLES IN WEB, (+/- 12" L X 6" H)... SEE SKETCH



BEAM (1), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 3" DIAM..)





BEAM (2), SPAN (D) AT PIER (3); NUMEROUS PIN HOLES IN WEB AT END OF BEAM... NOTE SEVERE PITTING OF SURROUNDING AREA... SEE SKETCH





BEAMS (3) THROUGH (6), SPAN (D)... NOT HOLED THROUGH AT THIS TIME... RUST, SCALE AND LOSS OF SECTION AT BEAM ENDS (+/- 20 LF). SEE CONDITION SKETCH



BEAM (7), SPAN (D) AT PIER (3); HOLES IN WEB AT BEAM END, (3' L X 6 TO 8" H))... SEE SKETCH



BEAM (8), SPANS (C) AND (D) AT PIER (3); HOLES IN WEB, (+/- 8" L X 4" H)... SEE SKETCH

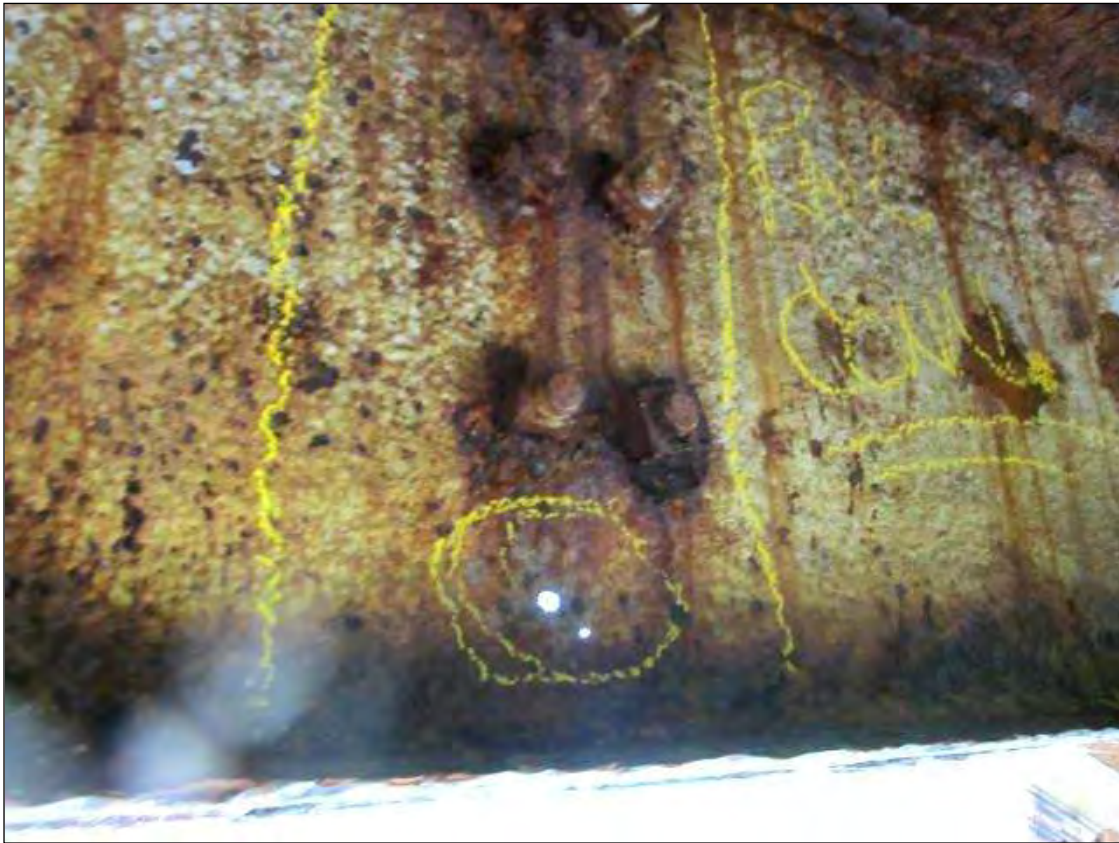


BEAM (9), SPAN (D) AT PIER (3); HOLE IN WEB, (+/- 10" L X 3" H)... SEE SKETCH





BEAM (10), SPAN (D) AT PIER (3); HOLES IN WEB... TOP IS (+/- 8" L X 6" H) AND BOTTOM IS (+/- 4" L X 2" H)...  
SEE SKETCH



BEAM (10), SPAN (D) (+/- 3' FROM WEST END OF BEAM) BELOW RAIL POST CONNECTION... (2) SMALL (LESS THAN 1" DIAM.) HOLES... SEE SKETCH



RT. SIDE DECK CHANNEL AT PIER (3) IS LOOSE FROM DECK... (+/- 15 LF)

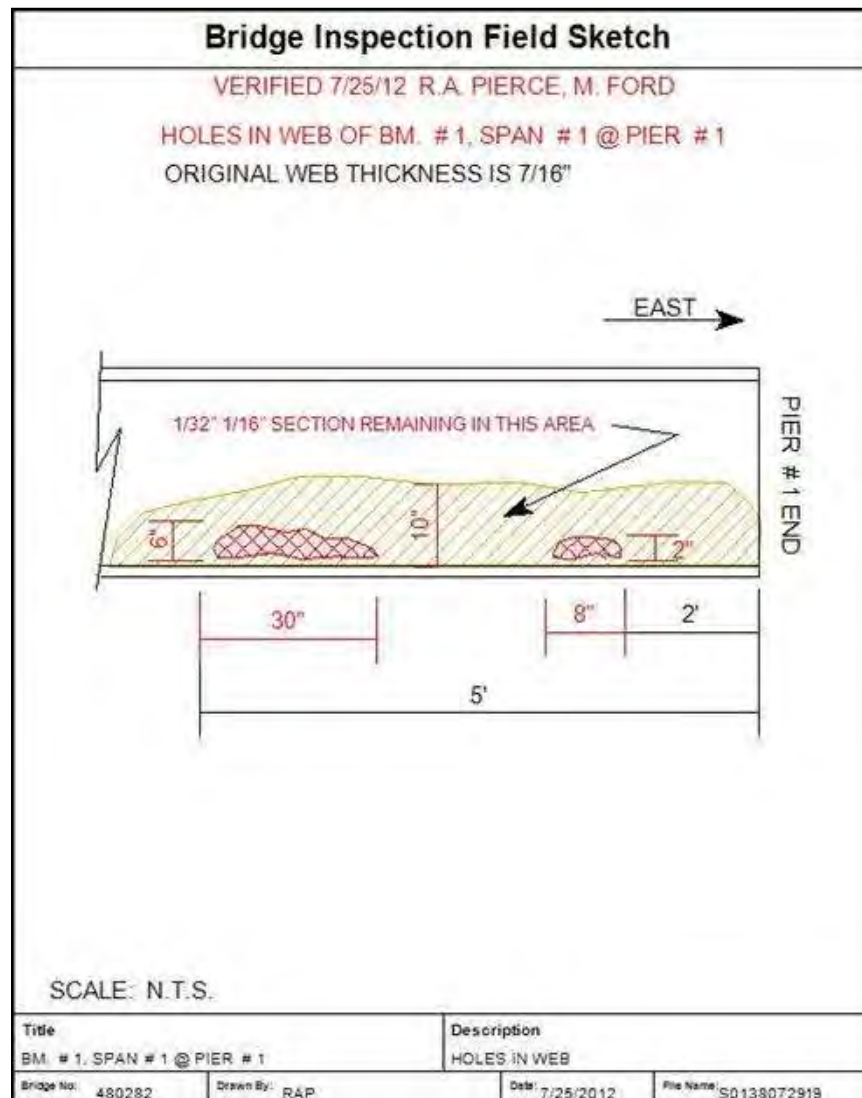




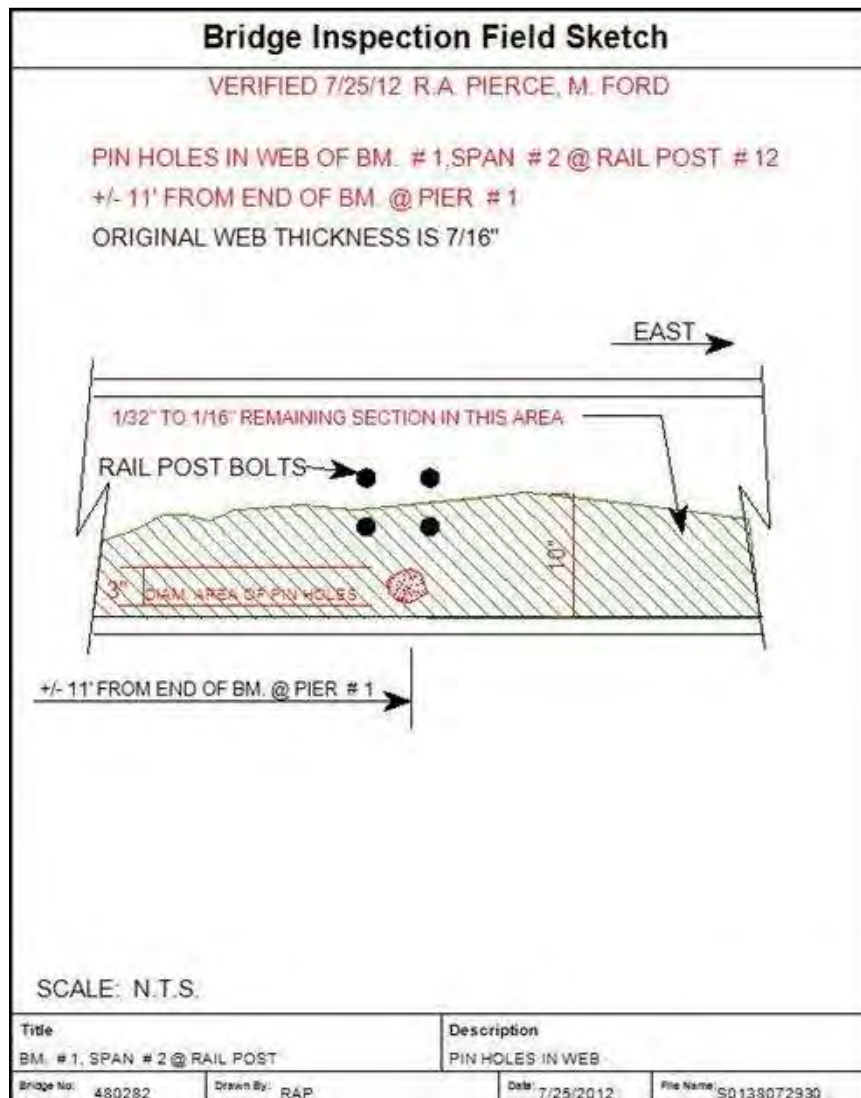
RT. SIDE CHANNEL, SPAN (B) AT PIER (2) IS LOOSE FROM DECK, (+/- 30 LF)



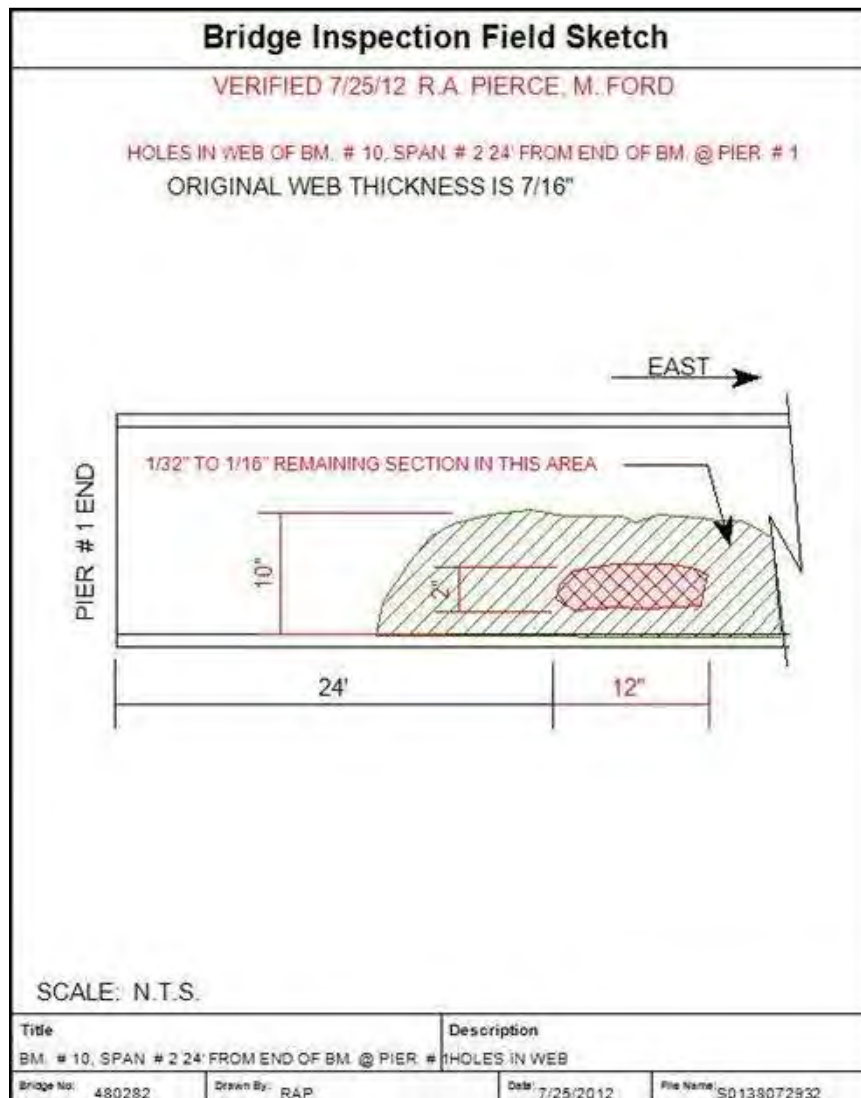
RAIL POST CONNECTIONS ARE POOR DUE TO THE DETERIORATION OF EXTERIOR BEAM WEBS... WEBS ARE REDUCED IN SEVERAL AREAS TO (+/- 1/32" SECTION REMAINING...



SKETCH, BEAM (1), SPAN (A) AT PIER (1)... (+/- 3 LF)

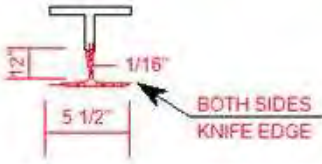
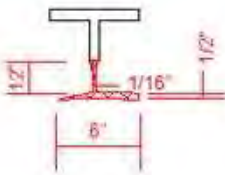
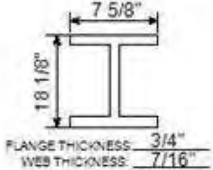


SKETCH, BEAM (1), SPAN (B) (+/- 11' FROM FACE OF PIER (1) CAP...



SKETCH, BEAM (10), SPAN (B) (+/- 24' FROM EAST FACE OF PIER (1) CAP... NOTE REDUCTION OF SURROUNDING MATERIAL...



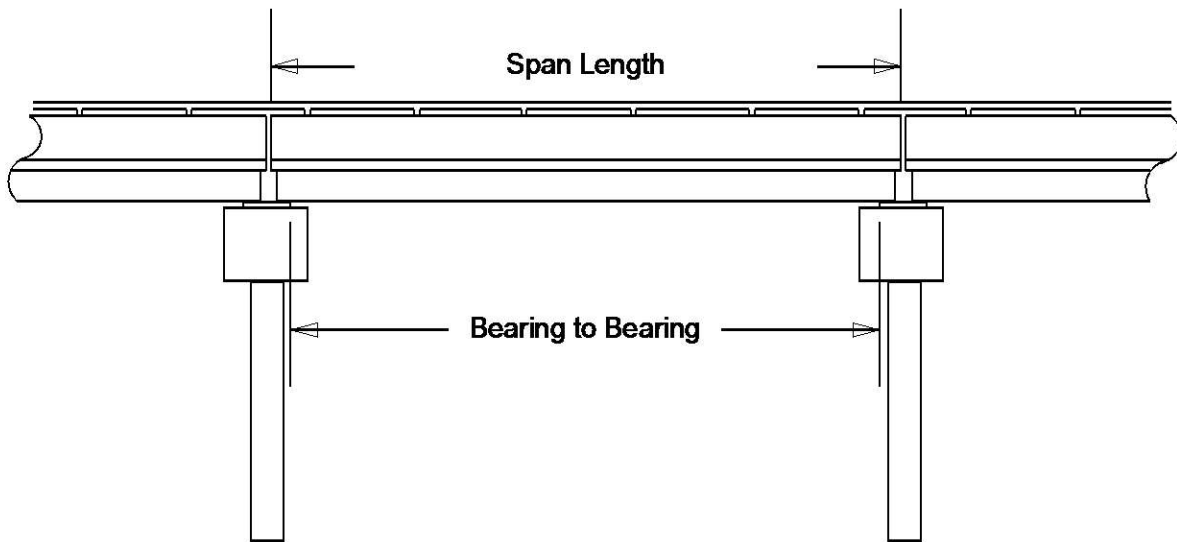
| Bridge Inspection Field Sketch                                                                                |                        |
|---------------------------------------------------------------------------------------------------------------|------------------------|
| VERIFIED 7/25/12 R.A. PIERCE, M. FORD                                                                         |                        |
| SECT. LOSS & HOLES ON BOTT. FLANGE OF BM. # 1 IN SPAN # 3<br>LOSS EXTENDS FULL LENGTH. REMAINING SECT. SHOWN  |                        |
|                              |                        |
| SECT. LOSS & HOLES ON BOTT. FLANGE OF BM. # 10 IN SPAN # 3<br>LOSS EXTENDS FULL LENGTH. REMAINING SECT. SHOWN |                        |
|                              |                        |
|                            |                        |
| SCALE: N.T.S.                                                                                                 |                        |
| ORIGINAL SECTION                                                                                              |                        |
| Title                                                                                                         | Description            |
| BM. # 1 & 10 BOTT. FLANGE IN SPAN # 3                                                                         | LOSS FULL LENGTH       |
| Bridge No: 480282                                                                                             | Drawn By: RAP          |
| Date: 7/25/2012                                                                                               | File Name: S0138072918 |

SKETCH SHOWS THE SEVERE DETERIORATION OF WEBS AND FLANGES ALONG FULL LENGTH OF BEAMS (1) AND (10)...

# Structure Data Worksheet

Spans

County: IREDELL      Structure No: 480282      Date: 07/25/2012      Inspected By: MF



| Span No | Span Length | Bearing to Bearing | Comments                                     |
|---------|-------------|--------------------|----------------------------------------------|
| 1       | 45.25       | 44.25              |                                              |
| 2       | 45          | 44.5               |                                              |
| 3       | 45          | 44.5               |                                              |
| 4       | 45.25       | 44.25              | FACE OF ABUT. CAP TO FACE OF ABUT. CAP = 178 |

# Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 480282 County: IREDELL Date: 07/25/2012 By: MF

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

Distance from Highwater Mark to top of rail: 10 Location of Highwater Mark: ON PILES

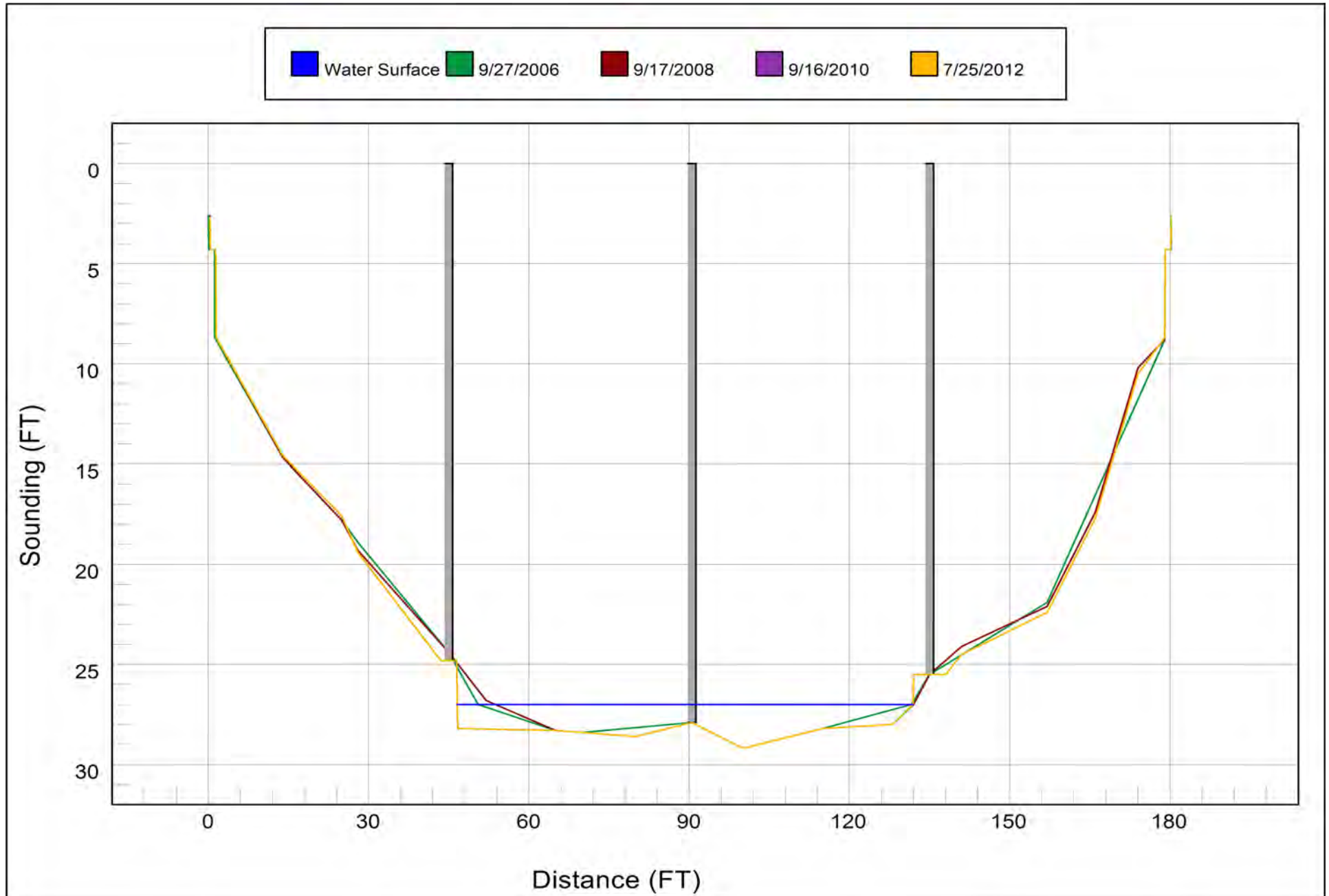
| DOWNSTREAM                 |                  |                                 | UPSTREAM                   |                  |             |
|----------------------------|------------------|---------------------------------|----------------------------|------------------|-------------|
| Distance<br>(Station) (ft) | Sounding<br>(ft) | Description                     | Distance<br>(Station) (ft) | Sounding<br>(ft) | Description |
| 0.3                        | 2.7              |                                 |                            |                  |             |
| 0.4                        | 4.3              | TOP CAP                         |                            |                  |             |
| 1.4                        | 4.3              | TOP CAP                         |                            |                  |             |
| 1.5                        | 8.7              |                                 | 1.5                        | 8                |             |
| 14                         | 14.6             |                                 |                            |                  |             |
| 25                         | 17.6             |                                 |                            |                  |             |
| 28                         | 19.4             |                                 |                            |                  |             |
| 43.5                       | 24.8             |                                 |                            |                  |             |
| 45                         | 24.8             | BENT 1                          | 45                         | 25.5             | BENT 1      |
| 46.5                       | 24.8             |                                 |                            |                  |             |
| 46.6                       | 27               | Water Surface/Water Edge (WSWE) |                            |                  |             |
| 46.7                       | 28.2             |                                 |                            |                  |             |
| 65                         | 28.3             |                                 |                            |                  |             |
| 70                         | 28.4             |                                 |                            |                  |             |
| 80                         | 28.6             |                                 |                            |                  |             |
| 90.5                       | 27.9             | BENT 2                          | 90.5                       | 28.5             | BENT 2      |
| 100                        | 29.2             |                                 |                            |                  |             |
| 115                        | 28.2             |                                 |                            |                  |             |
| 128                        | 28               |                                 |                            |                  |             |
| 131.9                      | 27               | Water Surface/Water Edge (WSWE) |                            |                  |             |
| 132                        | 25.5             |                                 |                            |                  |             |
| 135                        | 25.5             | BENT 3                          | 135                        | 26.1             | BENT 3      |
| 138                        | 25.5             |                                 |                            |                  |             |
| 141                        | 24.5             |                                 |                            |                  |             |
| 157                        | 22.4             |                                 |                            |                  |             |

| DOWNSTREAM                 |                  |             | UPSTREAM                   |                  |             |
|----------------------------|------------------|-------------|----------------------------|------------------|-------------|
| Distance<br>(Station) (ft) | Sounding<br>(ft) | Description | Distance<br>(Station) (ft) | Sounding<br>(ft) | Description |
| 166                        | 17.7             |             |                            |                  |             |
| 174                        | 10.5             |             |                            |                  |             |
| 179                        | 8.7              |             | 179                        | 6.1              |             |
| 179.1                      | 4.3              |             |                            |                  |             |
| 180.1                      | 4.3              |             |                            |                  |             |
| 180.2                      | 2.6              |             |                            |                  |             |



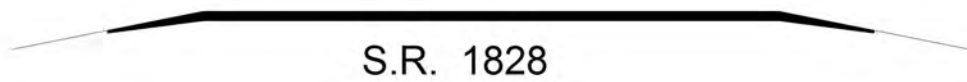
**STREAMBED PROFILE (Downstream)**

Top of Rail = 0 FT (Sounding)



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD



S.R. 1828

LOOKING EAST

|                 |           |               |              |
|-----------------|-----------|---------------|--------------|
| Roadway         | 18ft Wide | 2 Paved Lanes | Looking East |
| Left Shoulder   | 6ft Wide  |               | 6ft Unpaved  |
| Right Shoulder  | 6ft Wide  |               | 6ft Unpaved  |
| Left Guardrail  |           |               |              |
| Right Guardrail |           |               |              |

## Title

APPR. RDWY.

## Description

APPR. RDWY.

Bridge No: 480282

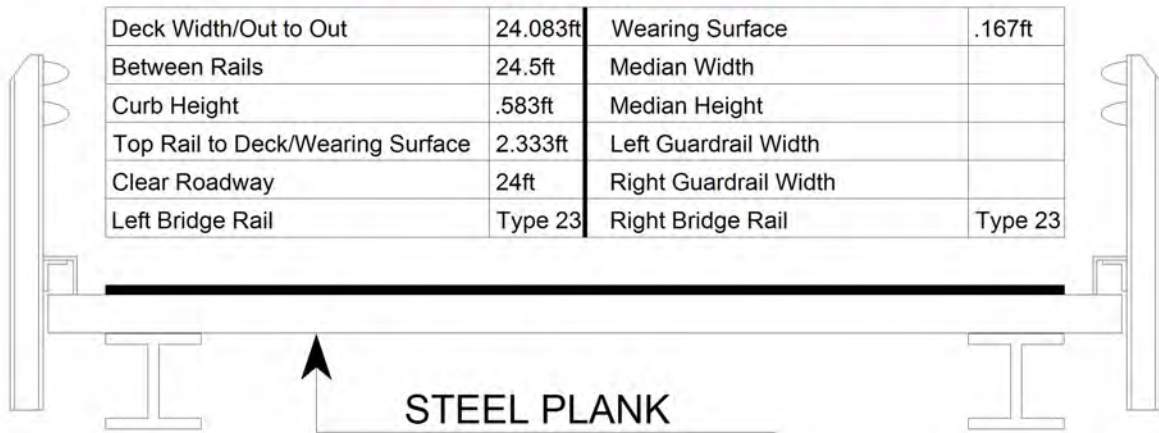
Drawn By: RAP

Date: 9/16/2010

File Name: S0206000617

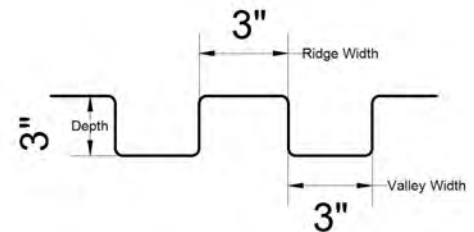
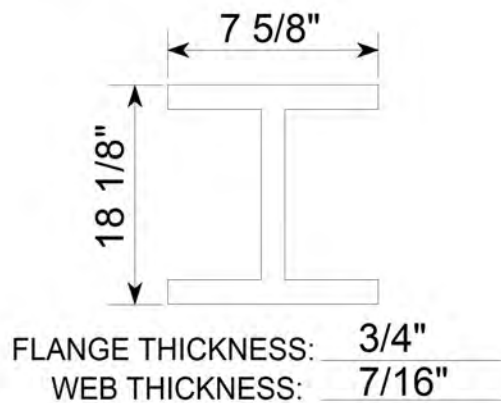
# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD



|                               |      |                |      |
|-------------------------------|------|----------------|------|
| Measurements for Span #       | 1    |                |      |
| Deck Thickness                | .5   | Left Overhang  | .417 |
| Top of Rail to Bottom of Beam | 4.25 | Right Overhang | .417 |

| Beam No | Beam Type    | Spacing | Comments |
|---------|--------------|---------|----------|
| 1       | Steel I Beam | 2.583ft |          |
| 2       | Steel I Beam | 2.583ft |          |
| 3       | Steel I Beam | 2.583ft |          |
| 4       | Steel I Beam | 2.583ft |          |
| 5       | Steel I Beam | 2.583ft |          |
| 6       | Steel I Beam | 2.583ft |          |
| 7       | Steel I Beam | 2.583ft |          |
| 8       | Steel I Beam | 2.583ft |          |
| 9       | Steel I Beam | 2.583ft |          |
| 10      | Steel I Beam |         |          |



## Title

SUPER.

## Description

DECK SECTION

Bridge No: 480282

Drawn By: RAP

Date: 9/16/2010

File Name: S0206000618

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD



|                                 |             |                      |          |
|---------------------------------|-------------|----------------------|----------|
| Abutment #                      | 1           | Abutment 2 similar   |          |
| Cap - Beam Type (Wood or Steel) |             |                      |          |
| Cap Size                        | 26.5ft Long | 1ft Wide             | 1ft High |
| Left Overhang                   | 1.667ft     | Lt Cap/Beam Overhang | 1ft      |
| Right Overhang                  | 1.667ft     | Rt Cap/Beam Overhang | 1ft      |

| Pile # | Material       | Pile Type | Spacing | Length | Width/Diam. | Height | Orientation |
|--------|----------------|-----------|---------|--------|-------------|--------|-------------|
| 1      | Wood or Timber | Pile Bent | 5.75    |        | 1           |        | Vertical    |
| 2      | Wood or Timber | Pile Bent | 5.75    |        | 1           |        | Vertical    |
| 3      | Wood or Timber | Pile Bent | 5.75    |        | 1           |        | Vertical    |
| 4      | Wood or Timber | Pile Bent | 5.75    |        | 1           |        | Vertical    |
| 5      | Wood or Timber | Pile Bent |         |        | 1           |        | Vertical    |

## Title

SUBST. 1

## Description

ABUTS.

Bridge No: 480282

Drawn By: RAP

Date: 9/16/2010

File Name: S0206000619



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BENT 1 CAP 26 FT LONG

Bent/Abutment #: 1 Similar Bents: 2,3

### Description

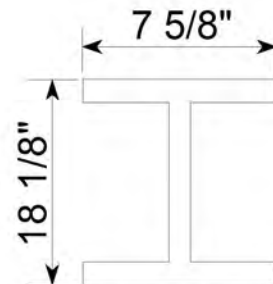
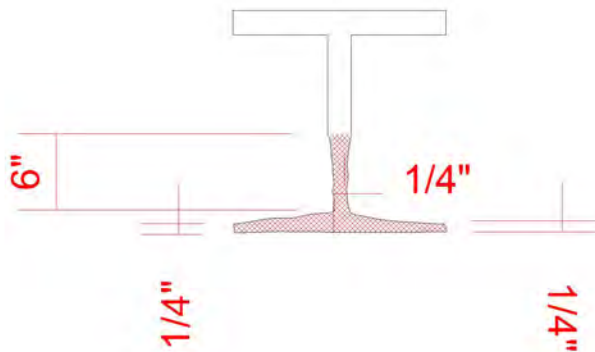
PIERS

File Name:S0206000620

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

UP TO 1/2" LOSS ON BOTT. FLANGES OF BM. ENDS @ ABUTS. & PIERS  
LOSS EXTENDS FROM END OF BMS. OUT APPROX. 5'  
LOSS EXTENDS FULL LENGTH ON BM. # 1,2,10



FLANGE THICKNESS: 3/4"  
WEB THICKNESS: 7/16"

SCALE: N.T.S.

ORIGINAL SECTION

## Title

SEC. LOSS ON INT. BMS. @ ABUTS. & PIERS

## Description

BM. ENDS @ ABUTS. & PIERS

Bridge No: 480282

Drawn By: RAP

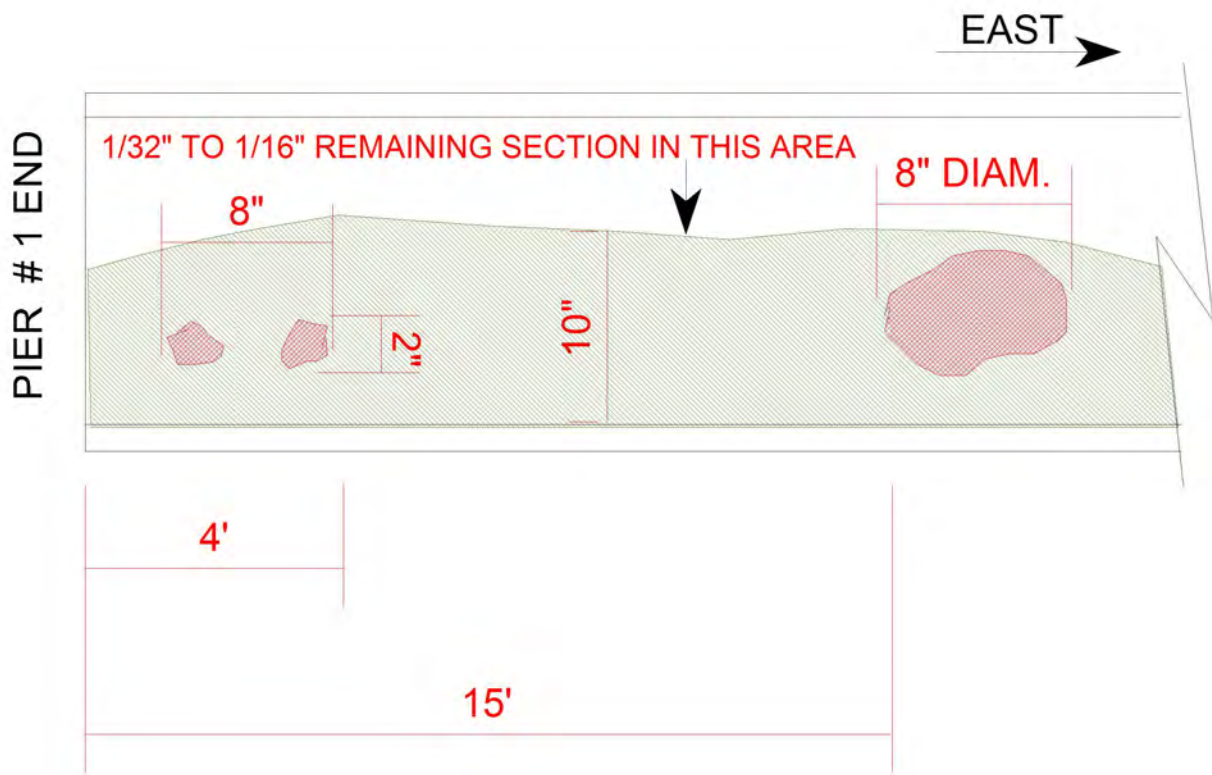
Date: 7/25/2012

File Name: S0138072914

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10 +/- 15' FROM END OF BM. @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 2 15' FROM PIER # 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

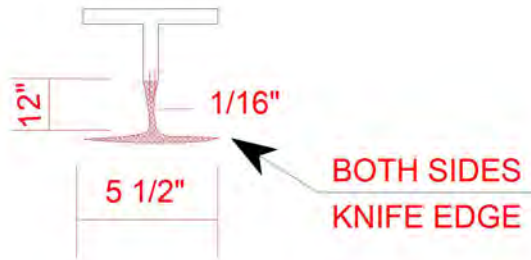
Date: 7/25/2012

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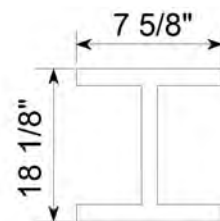
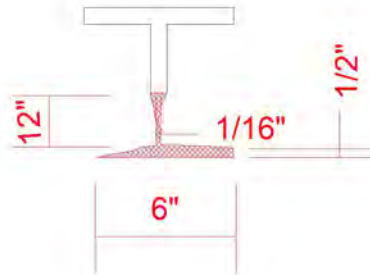
# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

SECT. LOSS & HOLES ON BOTT. FLANGE OF BM. # 1 IN SPAN # 3  
LOSS EXTENDS FULL LENGTH: REMAINING SECT. SHOWN



SECT. LOSS & HOLES ON BOTT. FLANGE OF BM. # 10 IN SPAN # 3  
LOSS EXTENDS FULL LENGTH: REMAINING SECT. SHOWN



FLANGE THICKNESS: 3/4"  
WEB THICKNESS: 7/16"

SCALE: N.T.S.

ORIGINAL SECTION

## Title

BM. # 1 & 10 BOTT. FLANGE IN SPAN # 3

## Description

LOSS FULL LENGTH

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

File Name: S0138072918

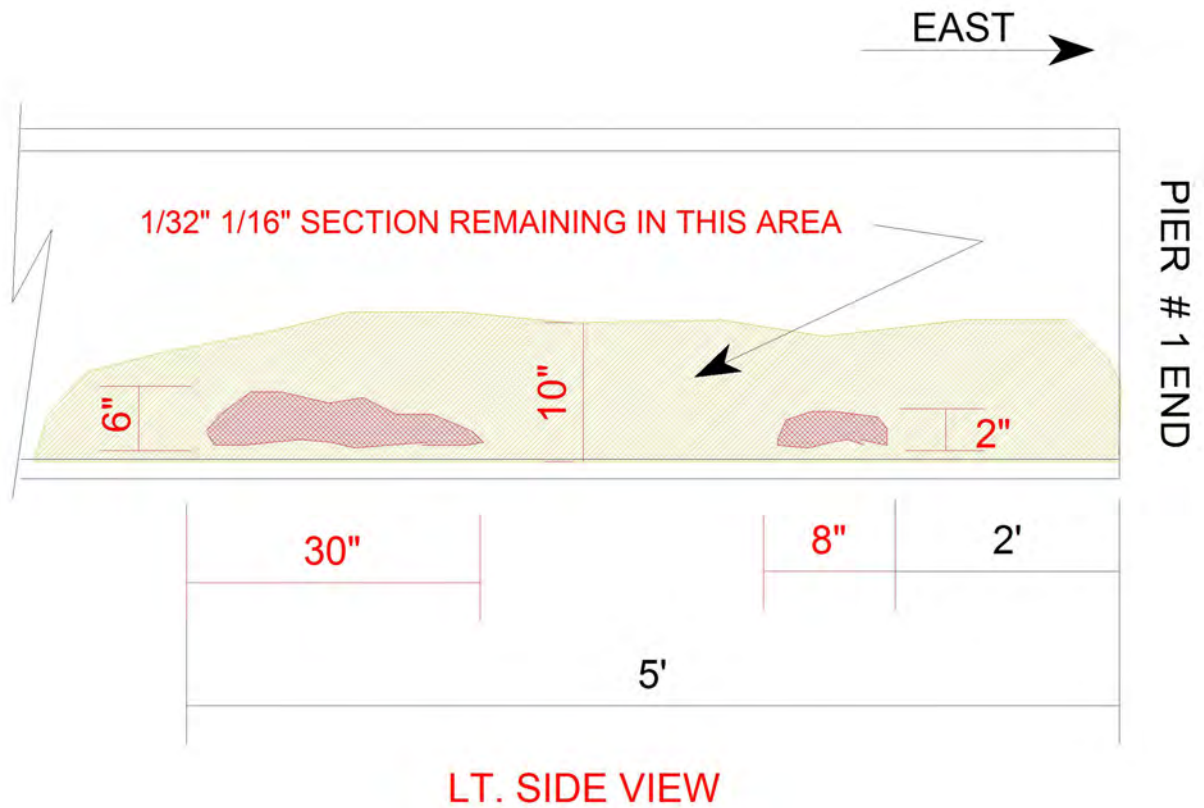


# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 1, SPAN # 1 @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 1, SPAN # 1 @ PIER # 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

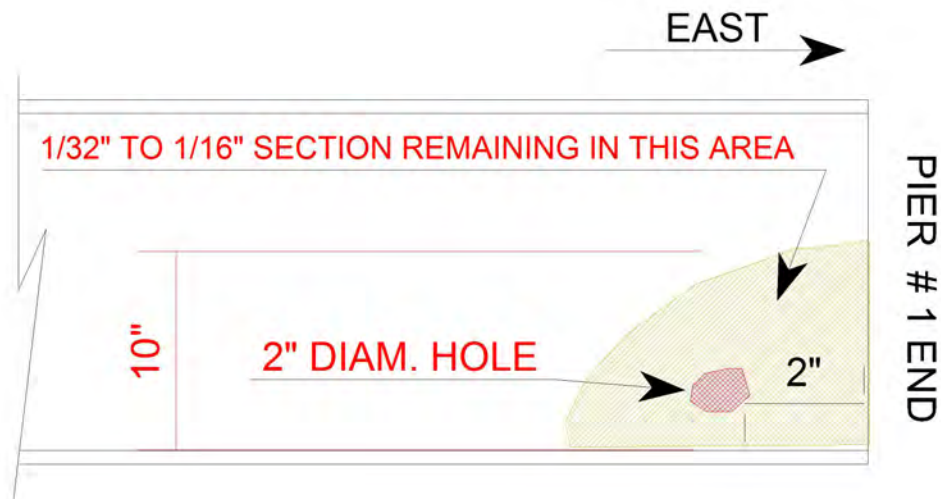
Date: 7/25/2012

File Name: S0138072919

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

+/- 2" DIAM. HOLE IN WEB OF BM. # 2, SPAN # 1 @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 2, SPAN # 1 @ PIER # 1

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

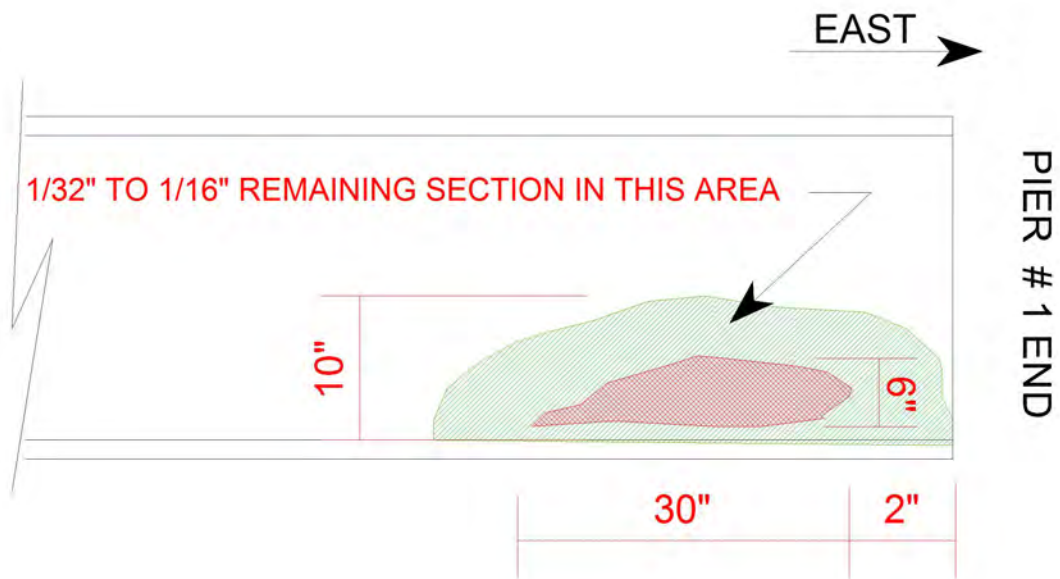
Date: 7/25/2012

File Name: S0138072920

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

+/- 6" H. X 30" LONG HOLE IN WEB OF BM. # 4, SPAN # 1 @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 4, SPAN # 1 @ PIER # 1

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

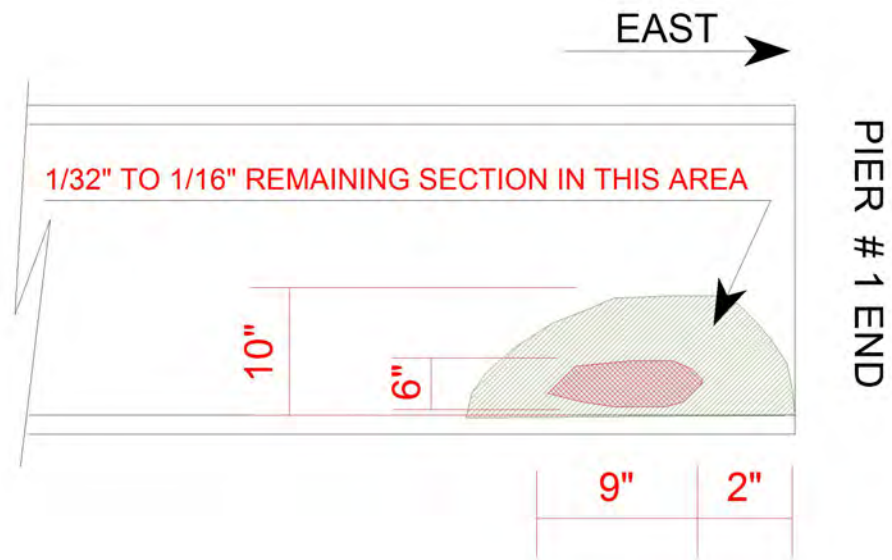
Date: 7/25/2012

File Name: S0138072921

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 5, SPAN # 1 @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 5, SPAN # 1 @ PIER # 1

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

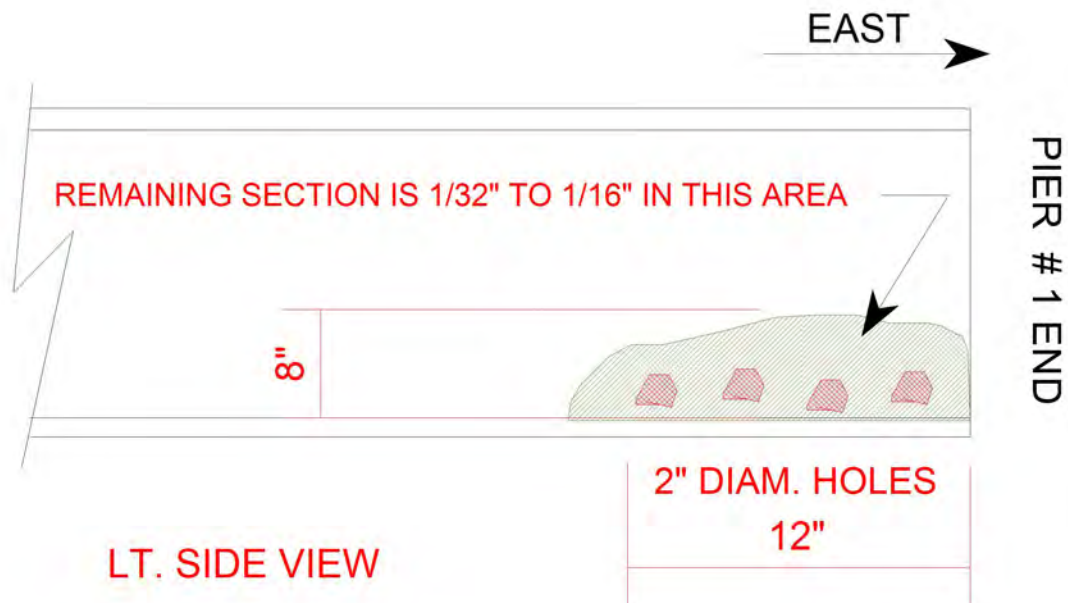
File Name: S0138072922



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 9, SPAN # 1 @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 9, SPAN # 1 @ PIER # 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

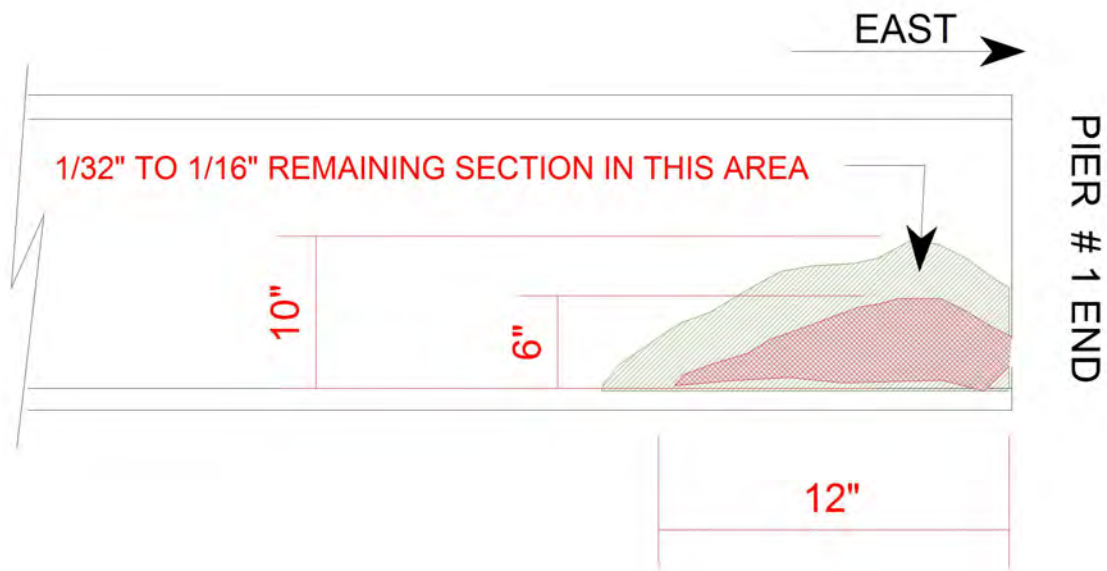
File Name: S0138072923

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 10, SPAN # 1 @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 1 @ PIER # 1

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

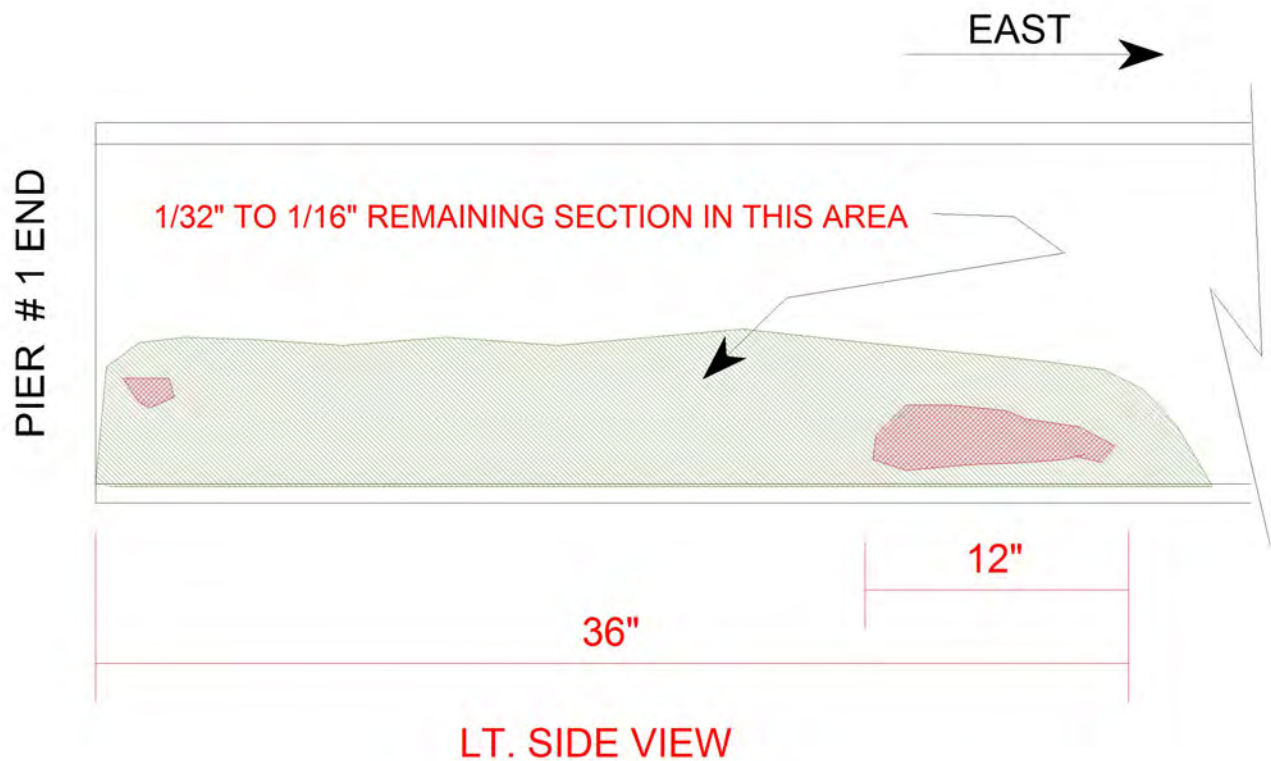
File Name: S0138072924

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 5, SPAN # 2 @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

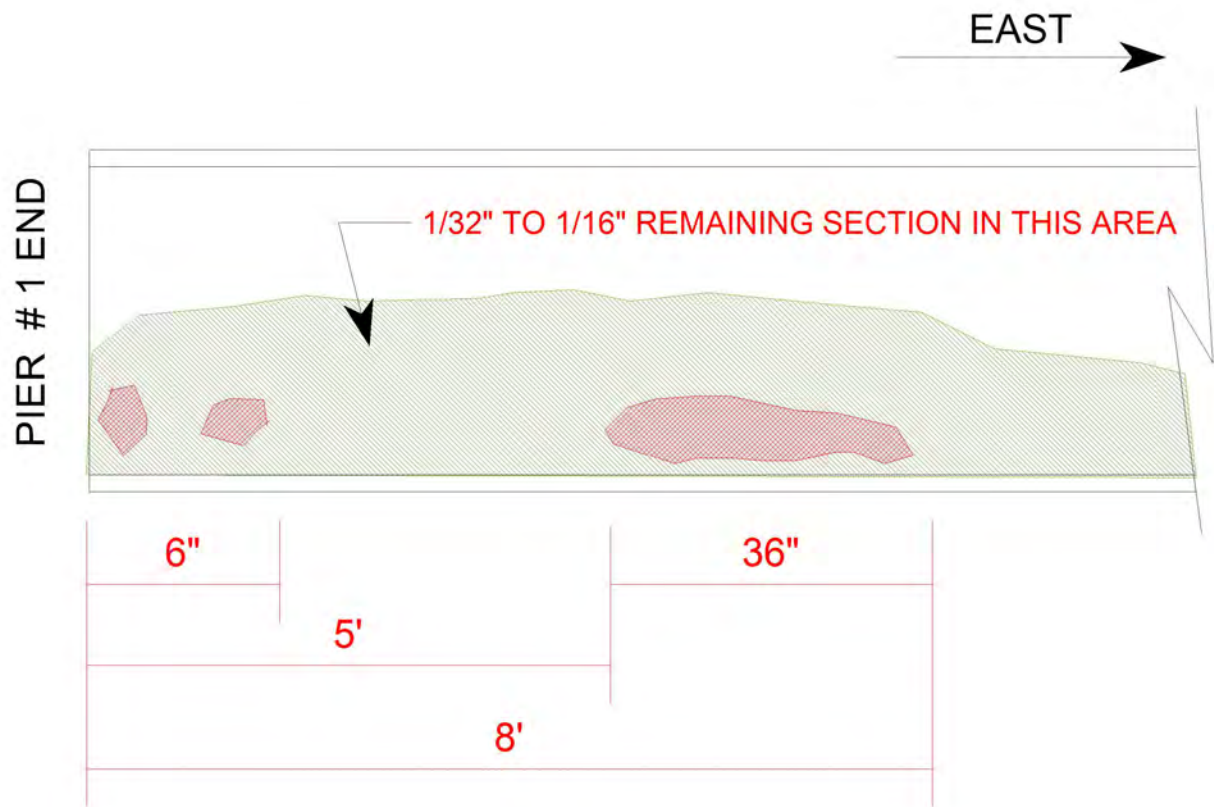
| Title                        |        | Description |             |
|------------------------------|--------|-------------|-------------|
| BM. # 5, SPAN # 2 @ PIER # 1 |        | HOLE IN WEB |             |
| Bridge No:                   | 480282 | Drawn By:   | RAP         |
|                              |        | Date:       | 7/25/2012   |
|                              |        | File Name:  | S0138072925 |

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 6, SPAN # 2 @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 6, SPAN # 2 @ PIER # 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

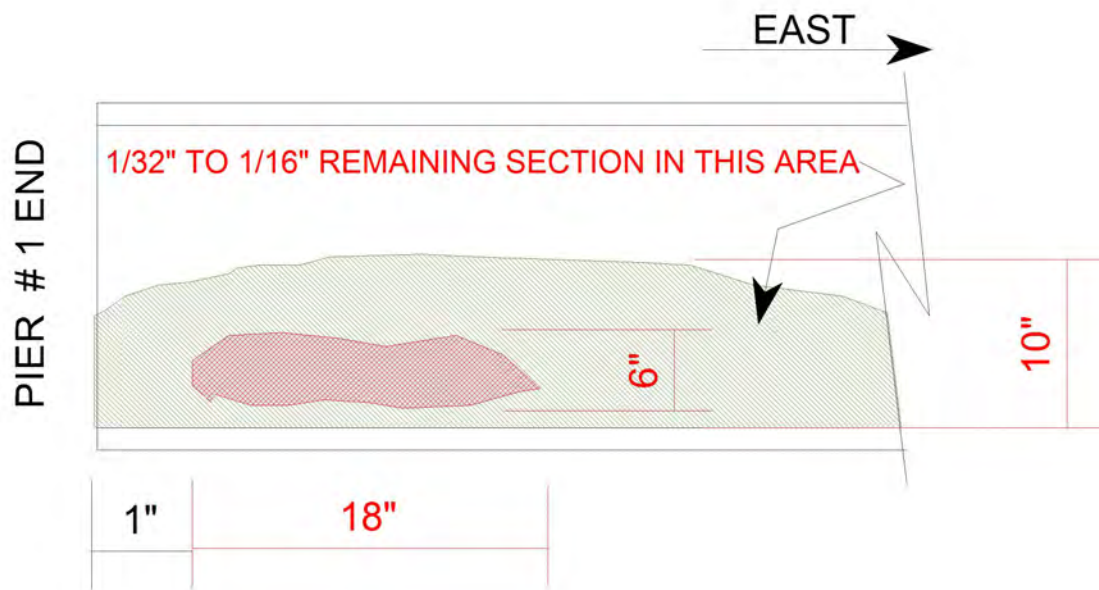
File Name: S0138072926



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 9, SPAN # 2 @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 9, SPAN # 2 @ PIER # 1

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

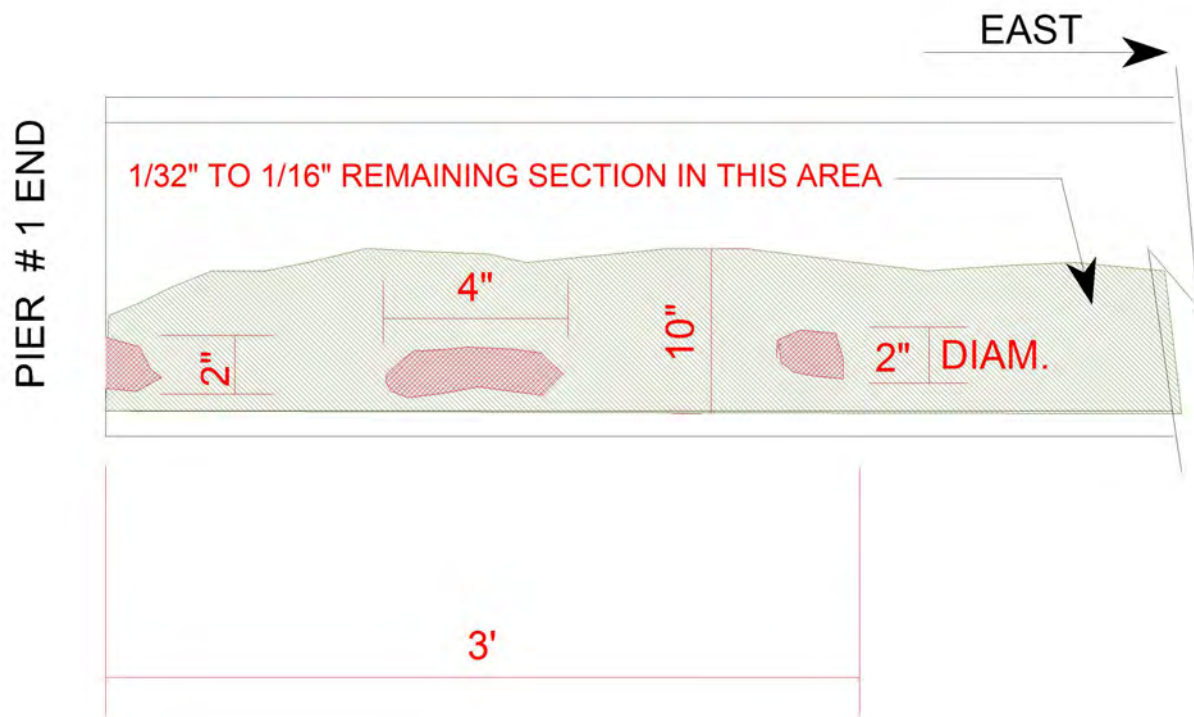
File Name: S0138072927

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10, SPAN # 2 @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 2 @ PIER # 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

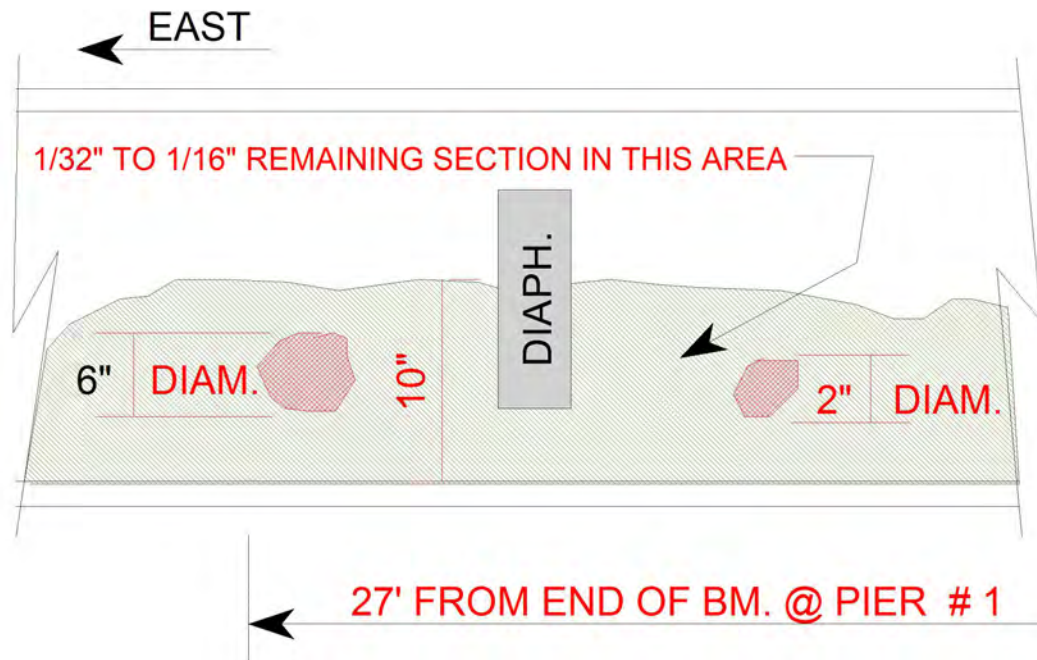
File Name: S0138072928

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10, SPAN # 2 +/- 27'  
FROM PIER # 1 @ FIRST DIAPH.

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 2 @ DIAPH.

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

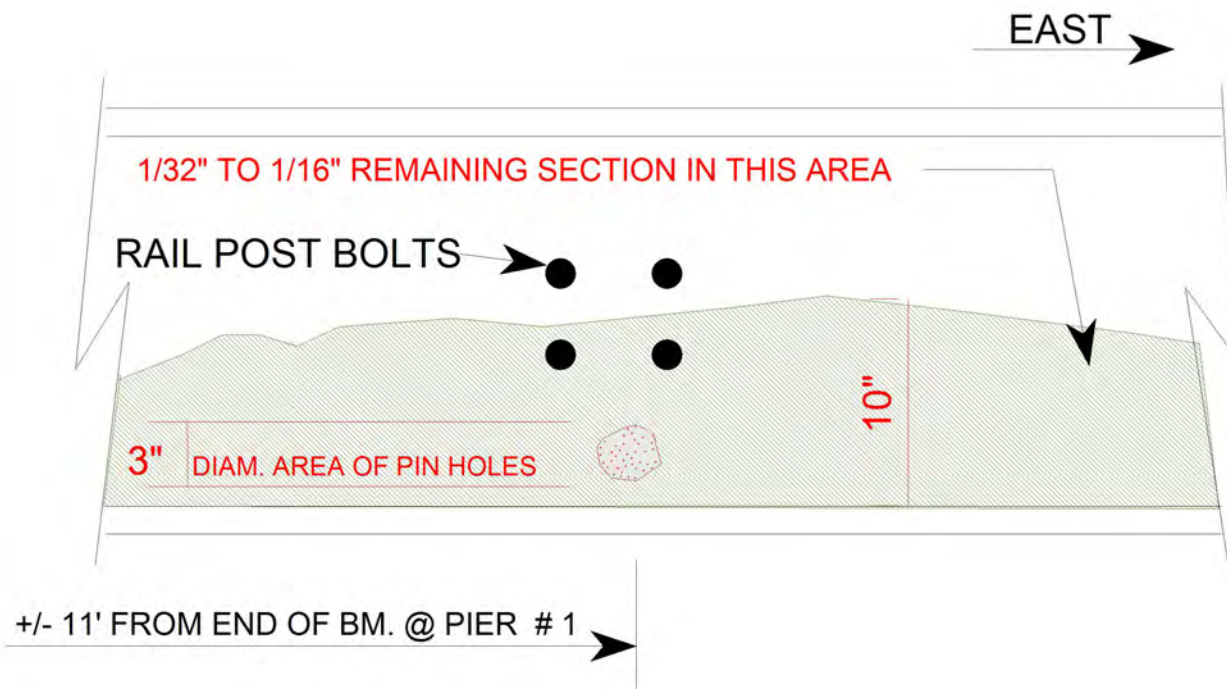
Date: 7/25/2012

File Name: S0138072929

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

PIN HOLES IN WEB OF BM. # 1, SPAN # 2 @ RAIL POST # 12  
+/- 11' FROM END OF BM. @ PIER # 1  
ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 1, SPAN # 2 @ RAIL POST

## Description

PIN HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

File Name: S0138072930

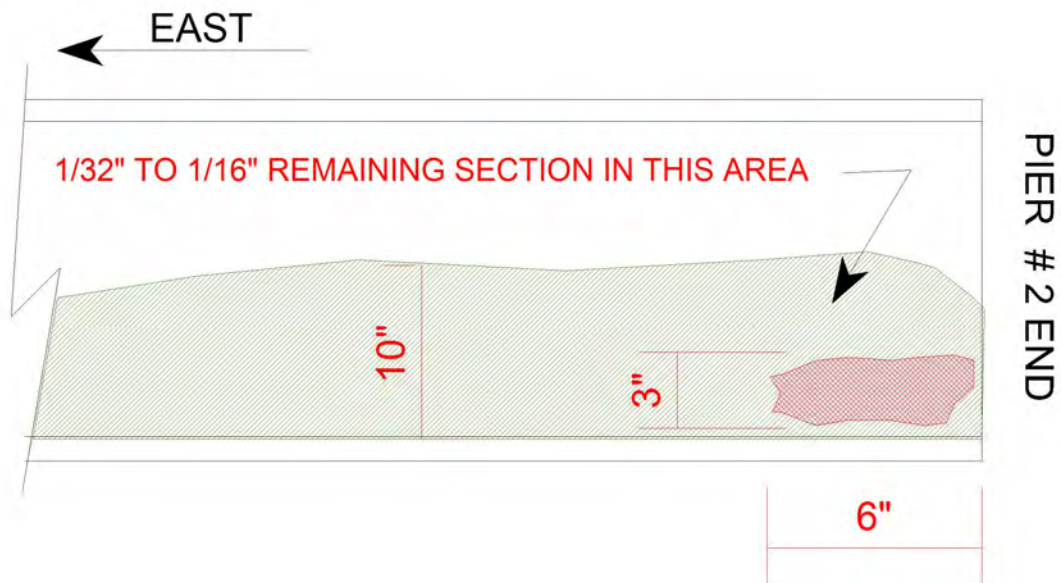


# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

6" L. X 3" HIGH HOLE IN WEB OF BM. # 2, SPAN # 3 @ PIER # 2

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 2, SPAN # 3 @ PIER # 2

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

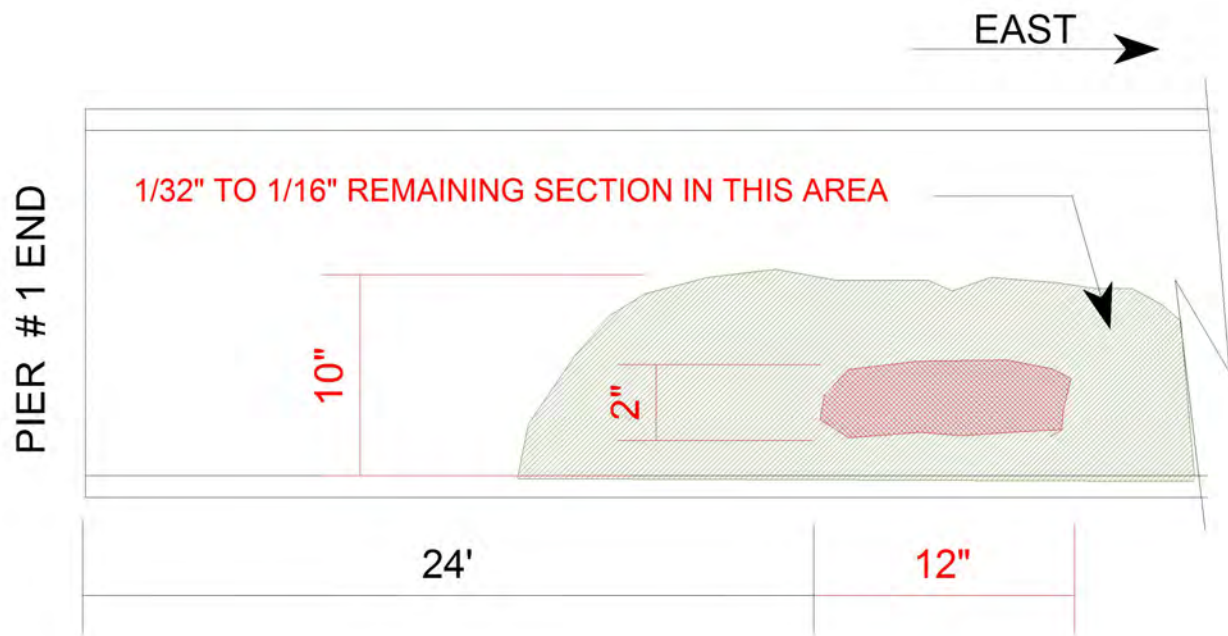
File Name: S0138072931

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10, SPAN # 2 24' FROM END OF BM. @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 2 24' FROM END OF BM. @ PIER # 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

File Name: S0138072932

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

+/- 2" DIAM. HOLE IN WEB OF BM. # 3, SPAN # 1 @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

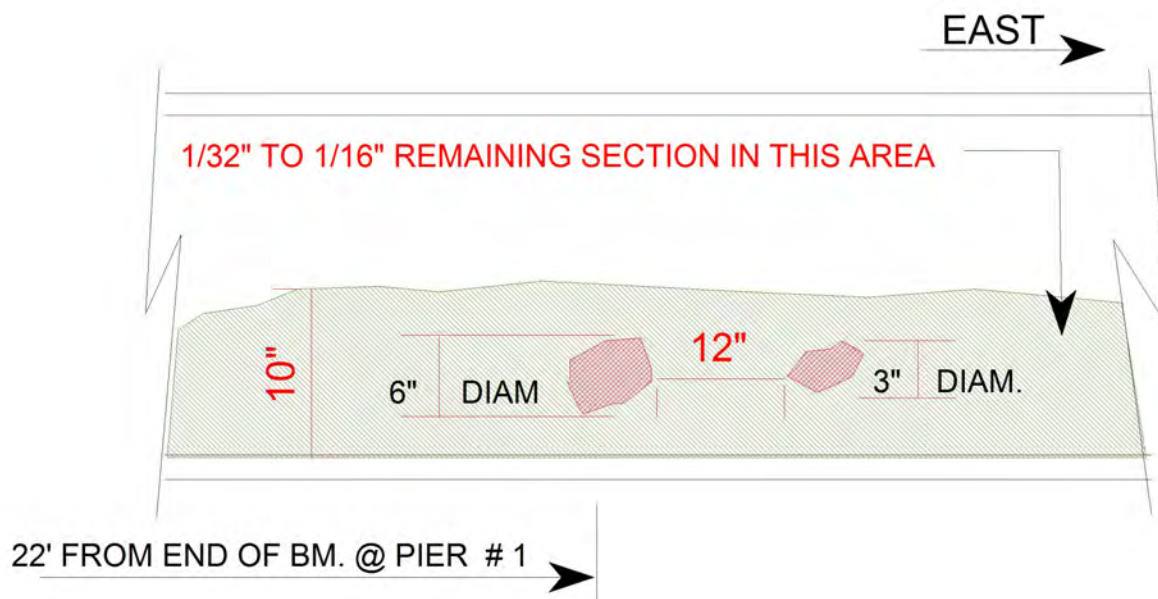
| Title                        |        | Description |             |
|------------------------------|--------|-------------|-------------|
| BM. # 3, SPAN # 1 @ PIER # 1 |        | HOLE IN WEB |             |
| Bridge No:                   | 480282 | Drawn By:   | RAP         |
|                              |        | Date:       | 7/25/2012   |
|                              |        | File Name:  | S0138072933 |

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 1, SPAN # 2 +/- 22' FROM END OF BM. @ PIER # 1

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

## Title

BM. # 1 SPAN # 2 22' FROM END OF BM. @ PIER 1

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

File Name: S0138072934

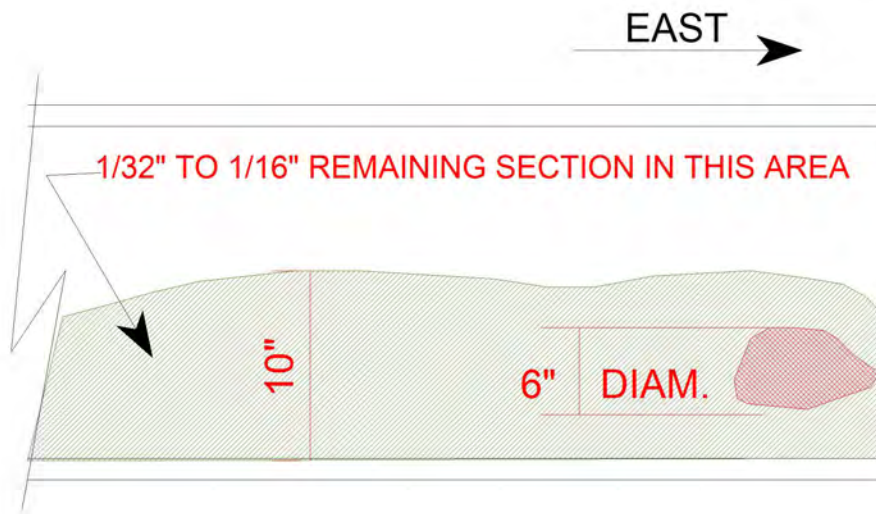


# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

+/- 6" DIAM. HOLE IN WEB OF BM. # 1, SPAN # 2 @ PIER # 2

ORIGINAL WEB THICKNESS IS 7/16"



SCALE: N.T.S.

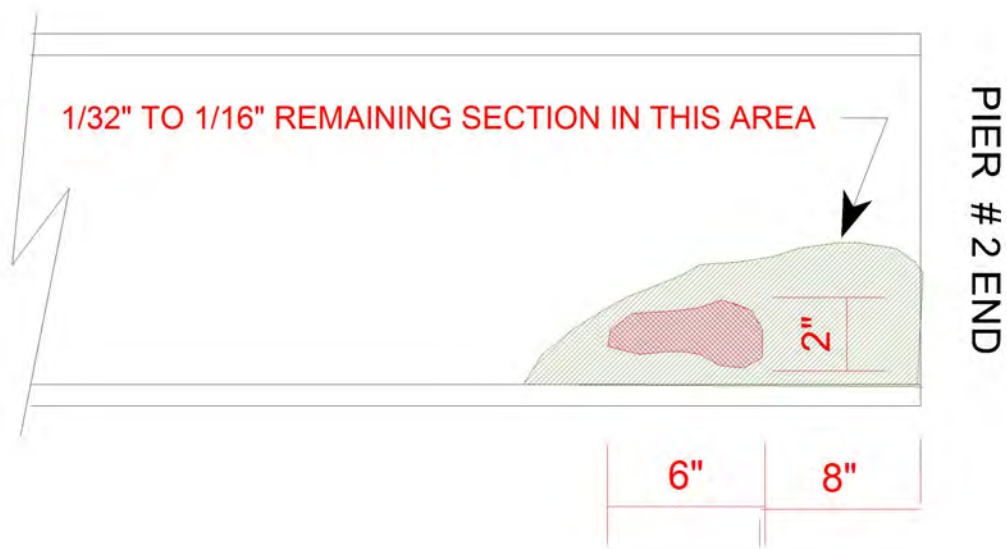
| Title                        |           | Description |             |
|------------------------------|-----------|-------------|-------------|
| BM. # 1, SPAN # 2 @ PIER # 2 |           | HOLE IN WEB |             |
| Bridge No:                   | 480282    | Drawn By:   | RAP         |
| Date:                        | 7/25/2012 | File Name:  | S0138072935 |

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 4, SPAN # 3 @ PIER # 2

ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 4, SPAN # 3 @ PIER # 2

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

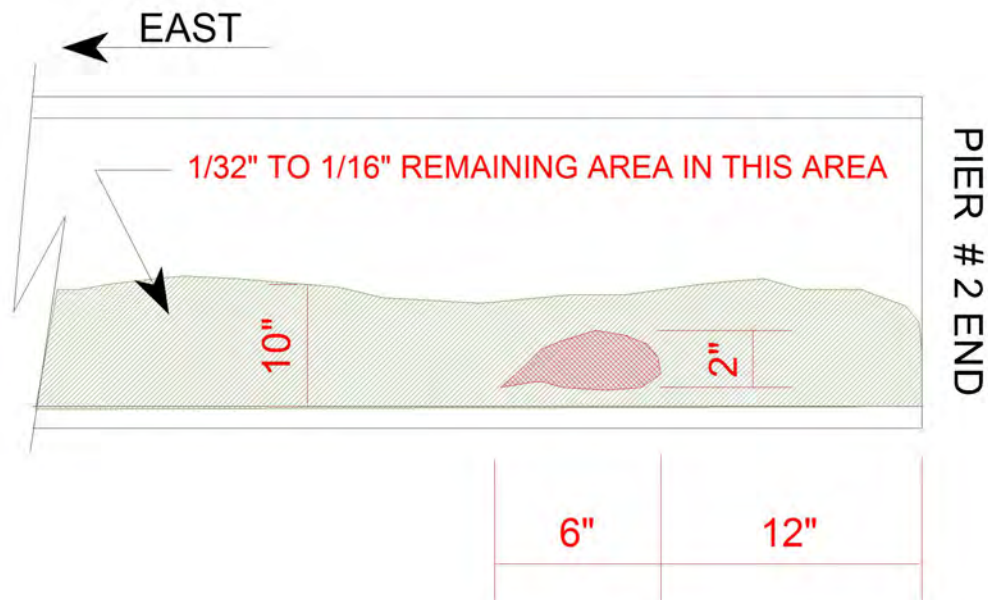
File Name: S0138072937

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 5, SPAN # 3 @ PIER # 2

ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 5, SPAN # 3 @ PIER # 2

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

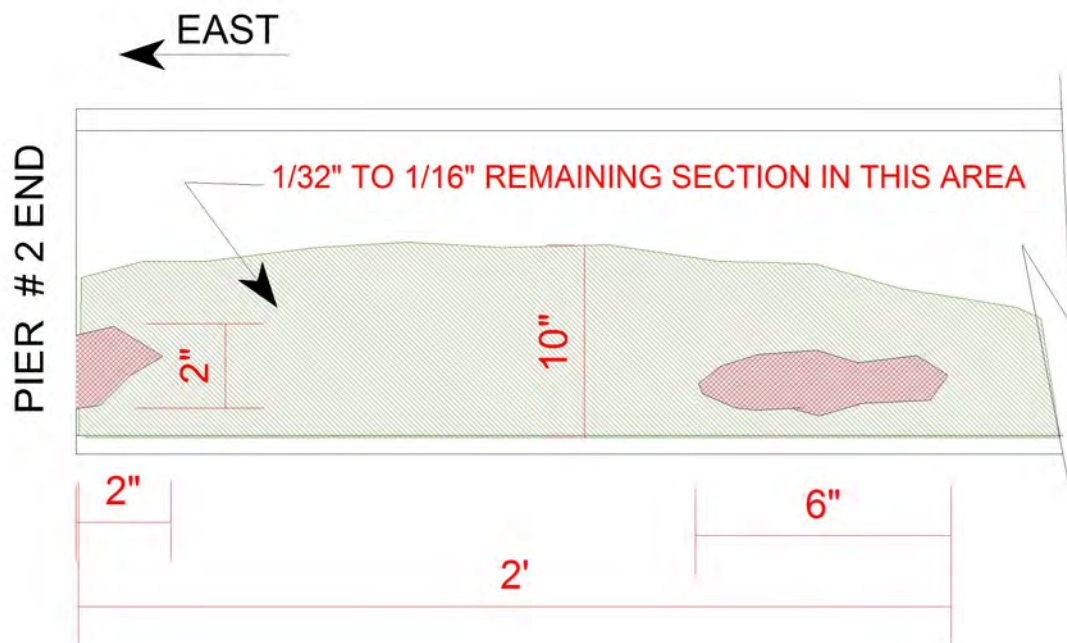
Date: 7/25/2012

File Name: S0138072938

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10, SPAN # 2 @ PIER # 2  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 2 @ PIER # 2

## Description

WEB HOLES

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

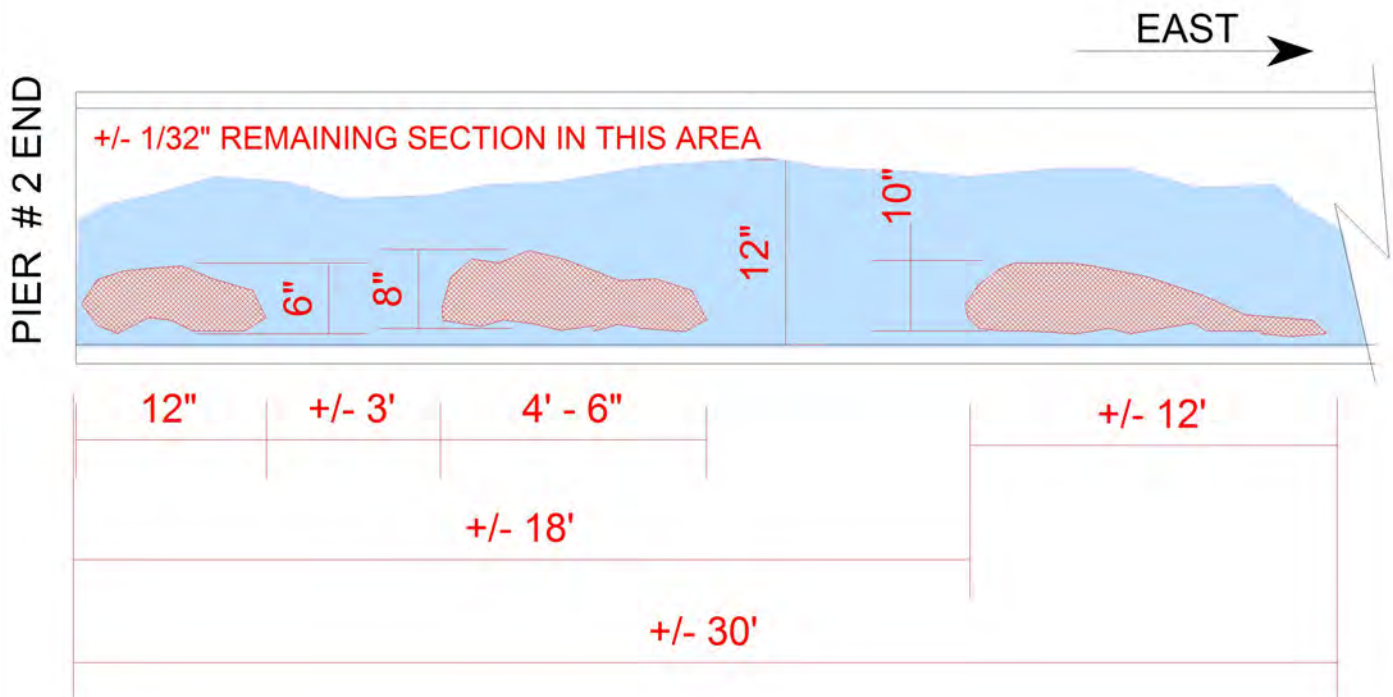
File Name: S0138072939



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 3, SPAN # 3 FROM END OF BM. @ PIER # 2 TO +/- MID SPAN  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 3, SPAN # 3, SECT. (A)

## Description

WEB HOLES

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

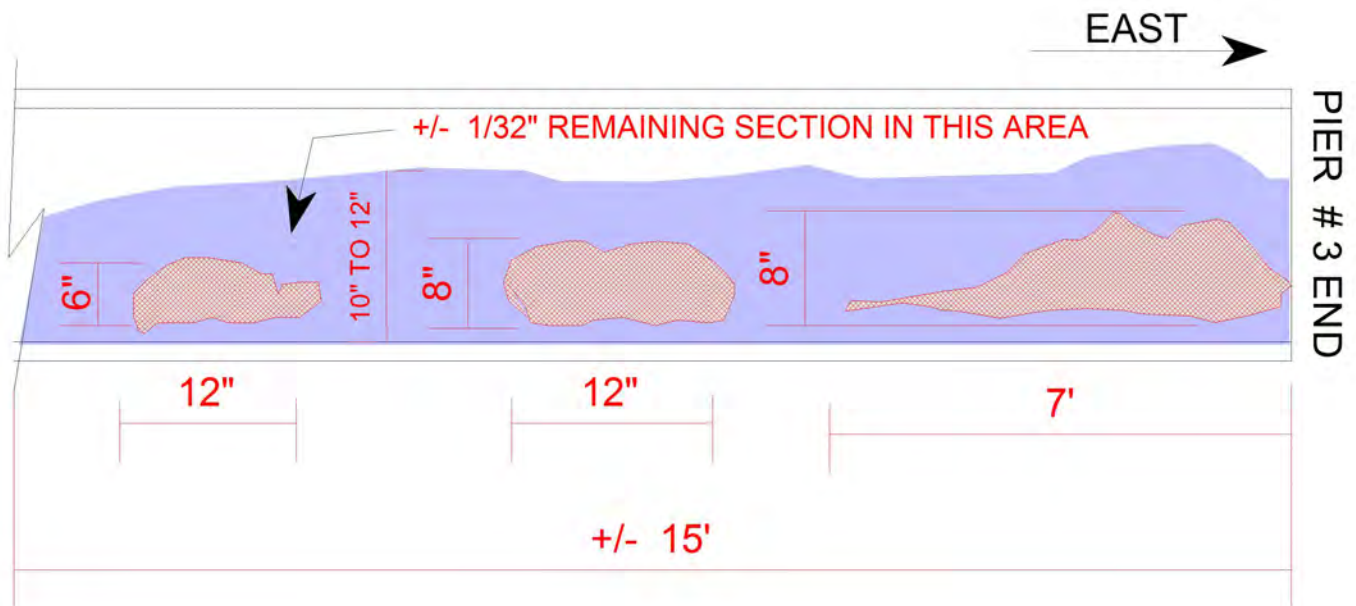
File Name: S0138072940

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 3 FROM +/- MID SPAN TO END OF BM. @ PIER # 3

ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 3, SPAN # 3 SECT. (B)

## Description

WEB HOLES

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

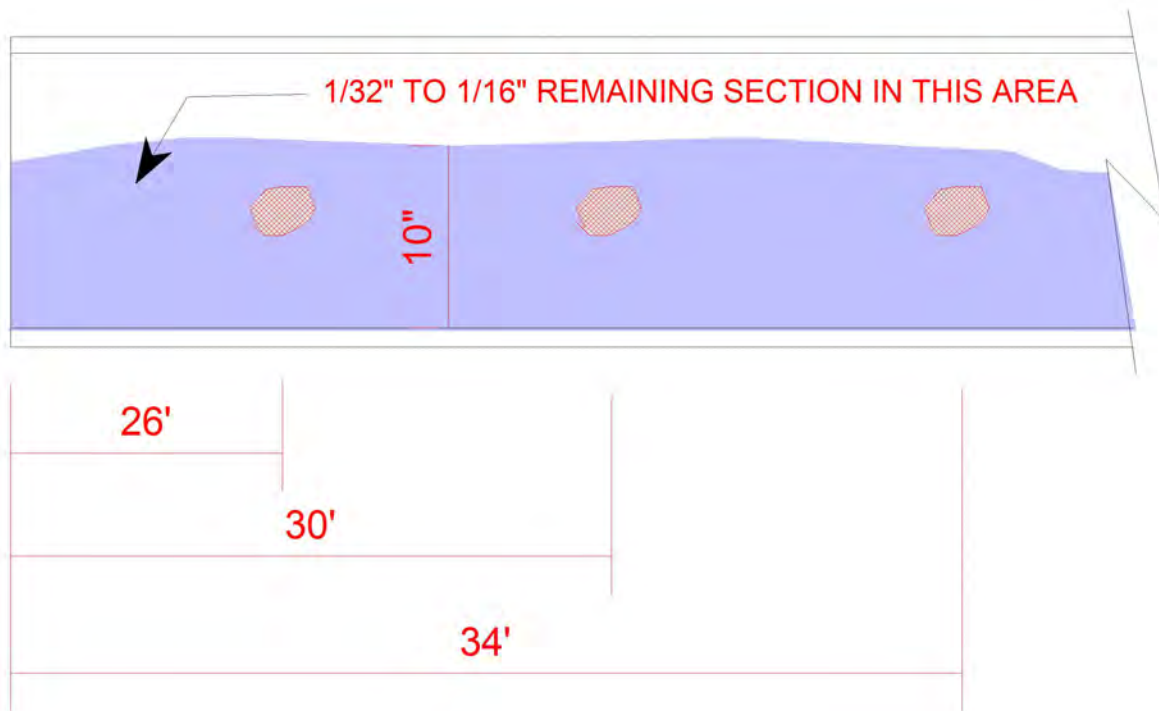
File Name: S0138072941

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10, SPAN # 3 @ 26', 30' & 34' FROM END OF BM. @ PIER # 2

ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 3 26' FROM PIER # 2 CAP

## Description

WEB HOLES

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

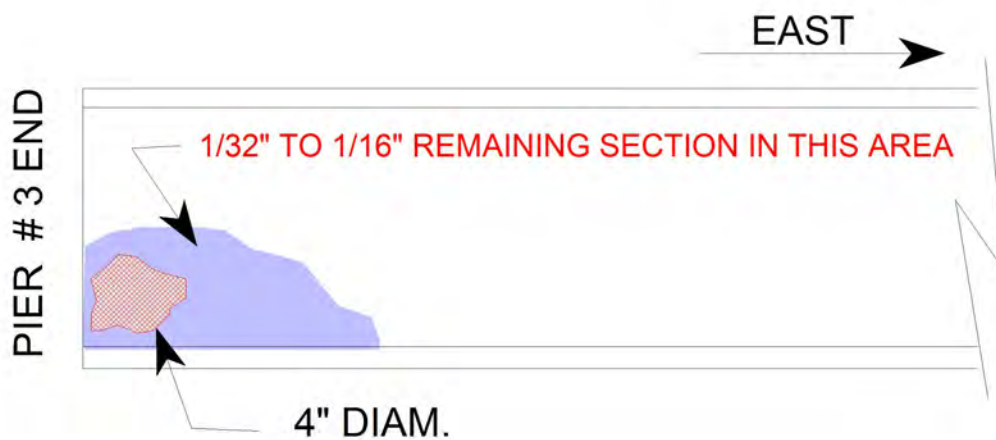
File Name: S0138072942

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 4, SPAN # 3 @ PIER # 3

ORIGINAL WEB SECTION = 7/16"



## Title

BM. # 4, SPAN # 3 @ PIER # 3

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

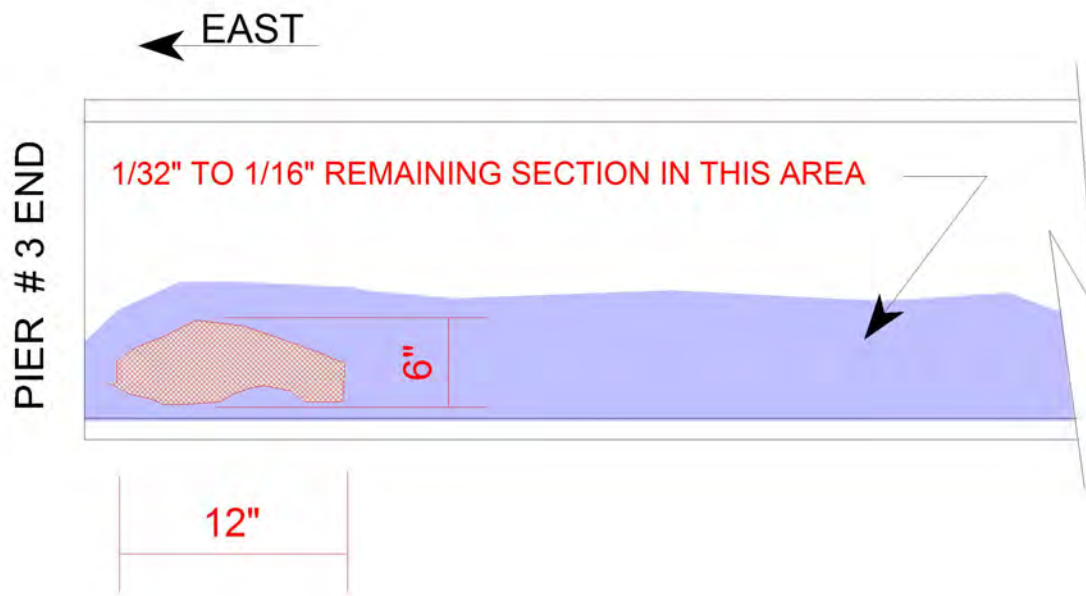
File Name: S0138072943



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 8, SPAN # 3 @ PIER # 3  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 8, SPAN # 3 @ PIER # 3

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

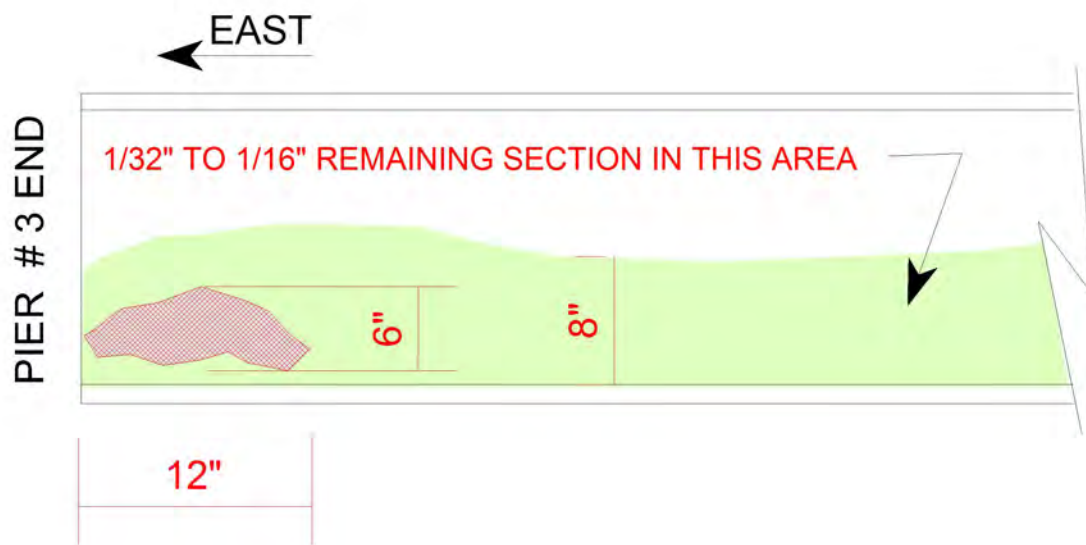
File Name: S0138072944

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 9, SPAN # 3 @ PIER # 3

ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 9, SPAN # 3 @ PIER # 3

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

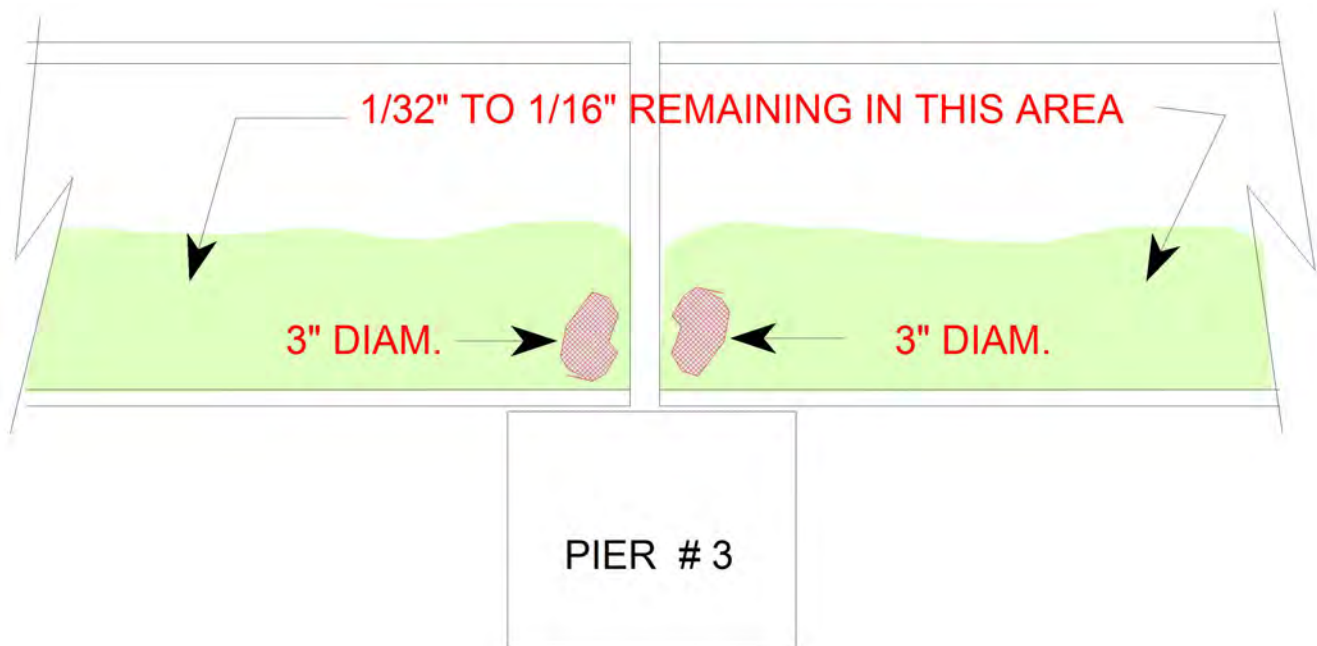
Date: 7/25/2012

File Name: S0138072945

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 1, SPAN # 3 & 4 @ PIER # 3  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 1, SPAN # 3 & 4 @ PIER # 3

## Description

WEB HOLES

Bridge No: 480282

Drawn By: RAP

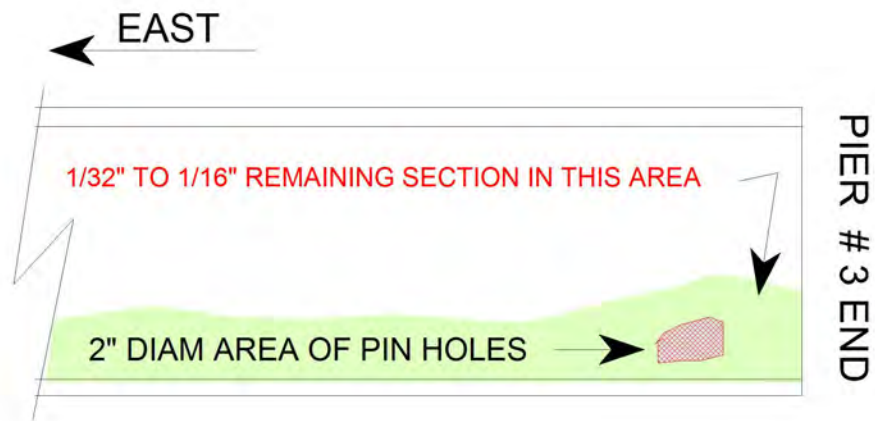
Date: 7/25/2012

File Name: S0138072946

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

PIN HOLES IN WEB OF BM. # 2, SPAN # 4 IN SPAN # 3  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 2, SPAN # 4 @ PIER # 3

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

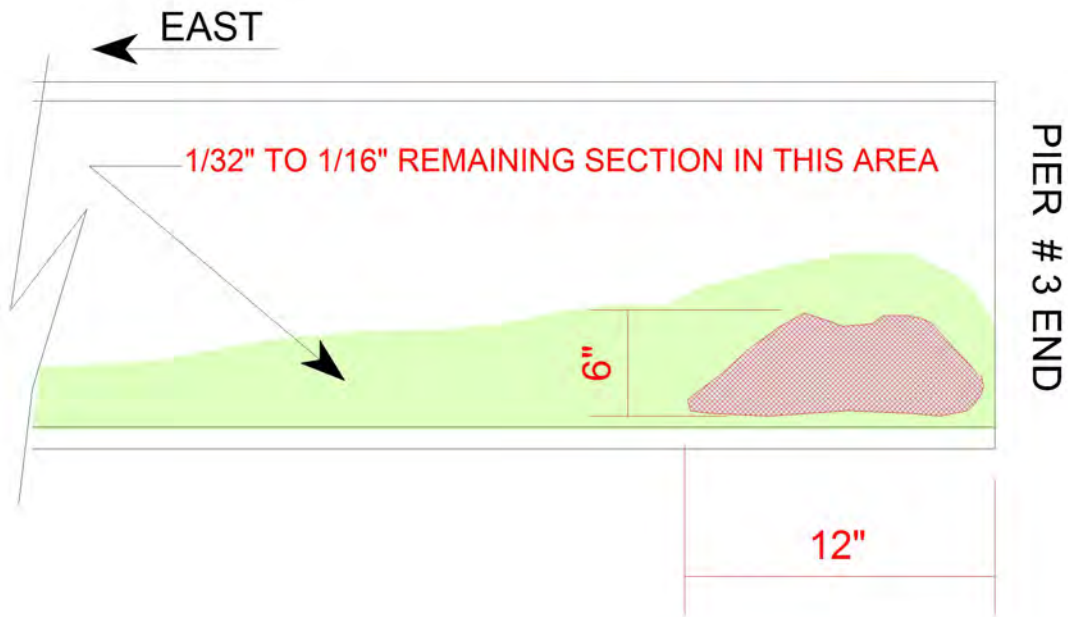
File Name: S0138072947



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 7, SPAN # 4 @ PIER # 1  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 7, SPAN # 4 @ PIER # 3

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

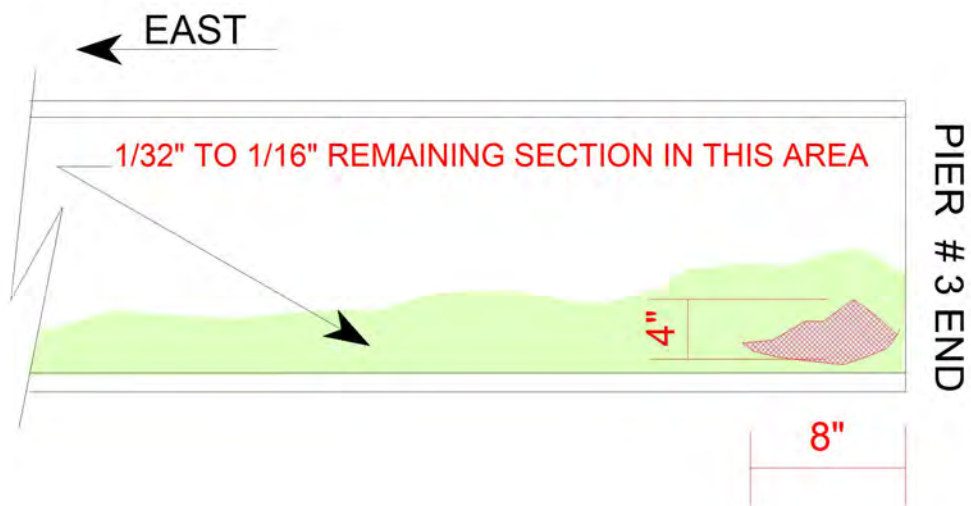
Date: 7/25/2012

File Name: S0138072948

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 8, SPAN # 4 @ PIER # 3  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 8, SPAN # 4 @ PIER # 3

## Description

HOLE IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

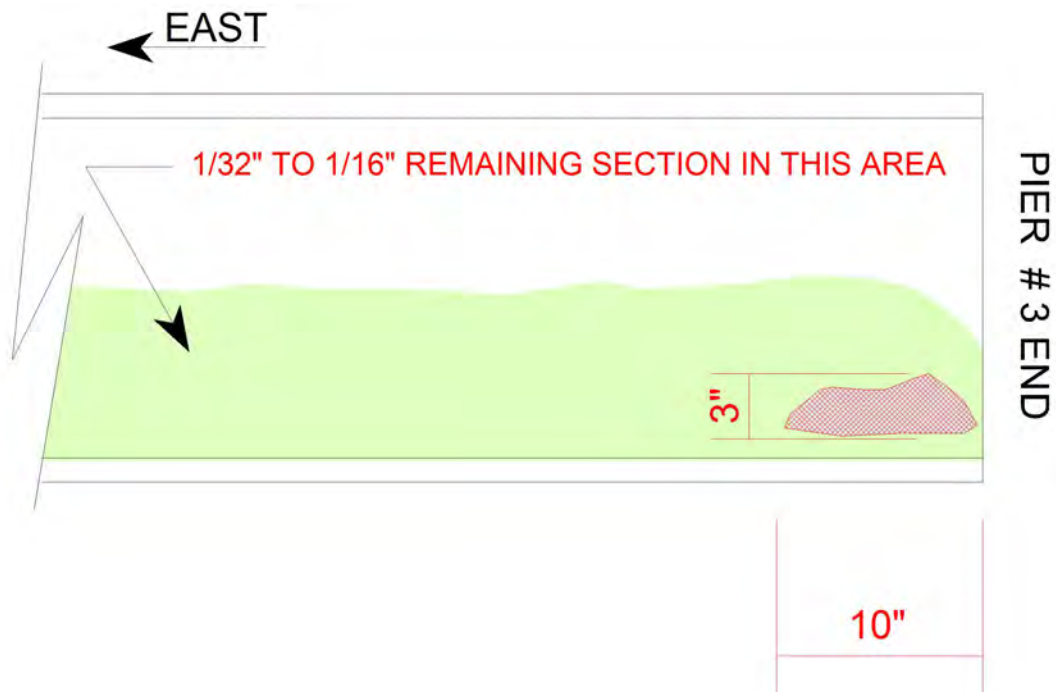
File Name: S0138072949

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLE IN WEB OF BM. # 9, SPAN # 4 @ PIER # 3

ORIGINAL WEB THICKNES = 7/16"



SCALE: N.T.S.

## Title

BM. # 9, SPAN # 4 @ PIER # 3

## Description

WEB HOLE

Bridge No: 480282

Drawn By: RAP

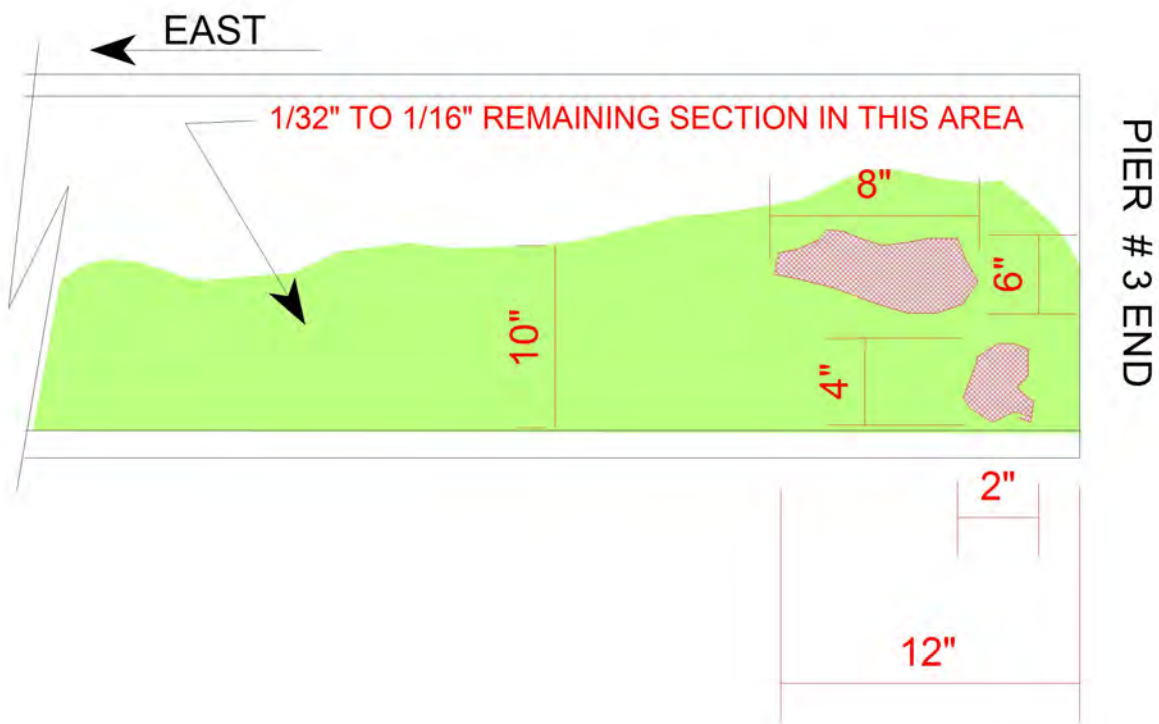
Date: 7/25/2012

File Name: S0138072950

# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

HOLES IN WEB OF BM. # 10, SPAN # 4 @ PIER # 3  
ORIGINAL WEB THICKNESS = 7/16"



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 4 @ PIER # 3

## Description

HOLES IN WEB

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

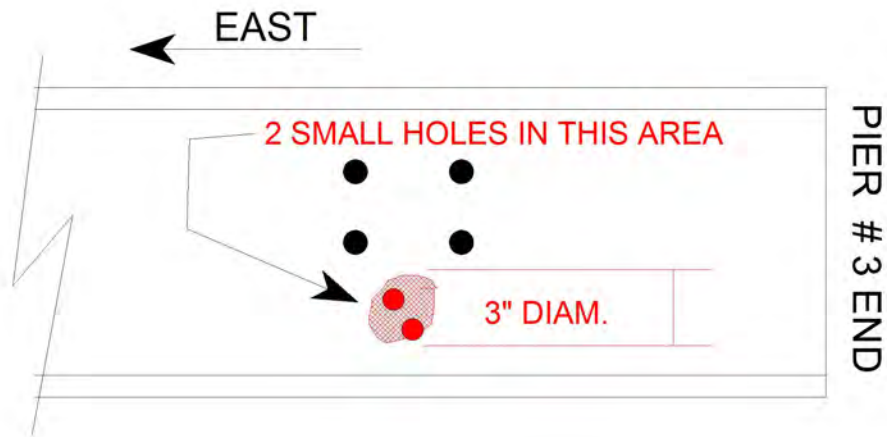
File Name: S0138072951



# Bridge Inspection Field Sketch

VERIFIED 7/25/12 R.A. PIERCE, M. FORD

SMALL HOLES IN WEB OF BM. # 10, SPAN # 4 @ RAIL POST CONN.  
+/- 3' FROM WEST END OF BM. @ PIER # 3



SCALE: N.T.S.

## Title

BM. # 10, SPAN # 4 @ RAIL POST

## Description

PIN HOLES

Bridge No: 480282

Drawn By: RAP

Date: 7/25/2012

File Name: S0138072952



WEST TO EAST



UPSTREAM





DOWNSTREAM



EAST FACE PIER (1) AND ABUT. (A)





SOUTH PROFILE



LOOKING WEST