ATTENTION: P.A.R. ISSUED

Structure Safety Report

Routine Element Inspection

INSPECTION DATE: 07/29/2020

| DIVISION: 7 COUNTY: GUILFORI | D STRUCT | TURE NUMBER: 400503 | FREQ | UENCY: 24 MONT | HS |
|----------------------------------|---------------------|--|-------------------------|-----------------------|--------------------|
| FACILITY CARRIED: SR4771 | | | MILE POST: | | |
| LOCATION: 0.1 MI.E.JCT.US29 | | 0.1 MI.S.JCT.US29 | | | |
| FEATURE INTERSECTED: REEDY FORK | CREEK | | | | |
| LATITUDE : 36° 10′ 25.6″ | LONGITUDE: | 79° 42' 38.77" | | | |
| SUPERSTRUCTURE: | | | | | |
| SUBSTRUCTURE: | | | | | |
| SPANS: 3 BARRELS. SEE CULVERT | SKETCH FOR DETAILS. | | | | |
| FRACTURE CRITICAL TEMPO | RARY SHORING | SCOUR CRITICAL | | PLAN OF ACTION | |
| NBI GRADES: DECK N SU | PERSTRUCTURE N | SUBSTRUCTURE N | CULVERT | 6 | |
| POSTED SV: Not Posted | | POSTED TTST: Not Pos | ted | | |
| | | | | | |
| OTHER SIGNS PRESENT: 3 DELINEATO | JRS | | | | |
| | | | Sign noticed issued for | | Number Required |
| | | | NO | WEIGHT LIMIT | 0 |
| FIRST CALL | | | YES | DELINEATORS | 1 |
| | | | NO | NARROW BRIDGE | 0 |
| | | | NO | ONE LANE BRIDGE | 0 |
| | | | NO | LOW CLEARANCE | 0 |
| | | | | | |
| | | | | TION OF ECTION S-N | |
| | | | | CTION ES PLANS | |
| LOOKING NORTH | | in the second se | IIIA I OI IL | | |
| INSPECTED BY JOHN HAYES | SIGNATURE | ap yyr | ASSISTED BY | DAVID HERNANDE | Z |

| IDENTIFICATION — | - USI | 11/20 |
|--|--|-------|
| (1) STATE NAME NORTH CAROLINA BRIDGE 40050 | SUFFICIENCY RATING | 99.4 |
| (8) STRUCTURE NUMBER (FEDERAL) 081050 | STATUS | |
| (5) INVENTORY ROUTE (ON/UNDER) ON 13104771 | CLASSIFICATION ————— CC | ODE |
| (2) STATE HIGHWAY DEPARTMENT DISTRICT | (112) NBIS BRIDGE SYSTEM | YE |
| (3) COUNTY CODE (FEDERAL) 81 (4) PLACE CODE 2800 | (104) HIGHWAY SYSTEM Inventory Route not on NHS | |
| (6) FEATURE INTERSECTED REEDY FORK CREEK | (26) FUNCTIONAL CLASS Urban Local | 1 |
| (7) FACILITY CARRIED SR4771 | | |
| (9) LOCATION 0.1 MI.E.JCT.US29 (11) MILEPOINT 0. | (100) STRAHNET HIGHWAY Not a STRAHNET Route | |
| (12) BASE HIGHWAY NETWORK | (101) 1 AICALLE OTTOOTORE TO parallel structure exists | |
| (13) LRS INVENTORY ROUTE & SUBROUTE | (102) DIRECTION OF TRAFFIC 2-way traffic | |
| (16) LATITUDE 36° 10' 25.6" (17) LONGITUDE 79° 42' 38.77 | (103) TEMPORARY STRUCTURE | |
| (98) BORDER BRIDGE STATE CODE PERCENT SHARED | (110) DESIGNATED NATIONAL NETWORK - on national network for trucks | |
| (99) BORDER BRIDGE STRUCTURE NUMBER | (20) TOLL On Free Road | |
| STRUCTURE TYPE AND MATERIAL | (21) MAINT - | (|
| (43) STRUCTURE TYPE AND MATERIAL Concrete Continuou | 3 (22) OWNER - | (|
| TYPE Culvert CODE 21 | ` ' | |
| | (0.) 1110101110111011101 | |
| (44) STRUCTURE TYPE APPROACH | | ODE |
| TYPE CODE | (58) DECK | |
| | (59) SUPERSTRUCTURE | |
| (46) NUMBER OF SPANS IN APPROACH |) (60) SUBSTRUCTURE | |
| (107) DECK STRUCTURE TYPE CODE | (61) CHANNEL & CHANNEL PROTECTION | |
| (108)WEARING SURFACE/PROTECTIVE SYSTEM | (62) CULVERTS | |
| (A) TYPE OF WEARING SURFACE CODE | LOAD RATING AND POSTING CO | ODE |
| (B) TYPE OF MEMBRANE CODE | (31) DESIGN LOAD H 20 + Mod | |
| (C) TYPE OF DECK PROTECTION CODE | (63) OPERATING RATING METHOD - | |
| AGE AND SERVICE | (64) OPERATING RATING - HS-24 | |
| (27) YEAR BUILT 195 | (65) INVENTORY RATING METHOD - | |
| (106) YEAR RECONSTRUCTED | . , | ; |
| (42) TYPE OF SERVICE ON - Highwa | (55) 11121115111115 | |
| • | • | |
| OFF - Waterway CODE 1: | | |
| (28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE | 2 200 | |
| (29) AVERAGE DAILY TRAFFIC 200 | —————— APPRAISAL ————— CO | ODE |
| (30) YEAR OF ADT 2013 (109) TRUCK ADT PCT | (67) STRUCTURAL EVALUATION | |
| (19) BYPASS OR DETOUR LENGTH 4. | (68) DECK GEOMETRY | |
| GEOMETRIC DATA — | (69) UNDERCLEARANCES, VERT & HORIZ | |
| (48) LENGTH OF MAXIMUM SPAN 7. | (1.) 1 | |
| (49) STRUCTURE LENGTH 25. | (72) APPROACH ROADWAY ALIGNMENT | |
| (50) CURB OR SIDEWALK: LEFT 0.0 RIGHT 0.1 | (36) TRAFFIC SAFETY FEATURES | 0NN |
| (51) BRIDGE ROADWAY WIDTH, CURB TO CURB (52) DECK WIDTH OUT TO OUT 0. | (110) 000115 0015011 0015010 | |
| (32) APPROACH ROADWAY WITH (W/ SHOULDERS) 20. | | |
| (33) BRIDGE MEDIAN No median CODE | TROI GOED IIIII ROVEINERTO | |
| (34) SKEW 30 (35) STRUCTURE FLARED | (76) LENGTH OF STRUCTURE IMPROVEMENT | |
| (10) INVENTORY ROUTE MIN VERT CLEAR 999. | | |
| (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 20. | | |
| (53) MIN VERT CLEAR OVER BRIDGE RDWY 999. | | |
| (54) MIN VERT UNDERCLEAR: REFERENCE 0. (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.1 | (60) 10 1/12 1 100201 0001 | |
| (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.1 (56) MIN LAT UNDERCLEARANCE LT: 0.1 | (97) YEAR OF IMPROVEMENT COST ESTIMATE | |
| (OU) WINVEAT ONDEROLEARANCE ET. | (114) FUTURE ADT 4,000 YEAR OF FUTURE ADT | 204 |
| NAVIGATION DATA | INSPECTION | |
| (38) NAVIGATION CONTROL - CODE | (90) INSPECTION DATE 07/20 (91) FREQUENCY | 2 |
| (111) PIER PROTECTION CODE | (92) CRITICAL FEATURE INSPECTION (93) CFI DATE | |
| (39) NAVIGATION VERTICAL CLEARANCE 0.4 | A) FRACTURE CRIT DETAIL A) | |
| (116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0.0 | B) UNDERWATER INSP B) | |
| | | |
| (40) NAVIGATION HORIZONTAL CLEARANCE 0.0 | C) OTHER SPECIAL INSP C) | |

Superstructure Build Details

Span Number $\underline{1}$ Span Length $\underline{7.0000}$ Skew 60.0000

| Number of Items | Type of Component | Element Name | | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|---------------------------------|-----------------------------|----|----------|---------------------------|---------------------|
| 1 | Reinforced Concrete Box Culvert | Reinforced Concrete Culvert | 84 | Feet | | |

Span Number $\underline{2}$ Span Length $\underline{7.0000}$ Skew 60.0000

| Number of Items | Type of Component | Element Name | | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|---------------------------------|-----------------------------|----|----------|---------------------------|---------------------|
| 1 | Reinforced Concrete Box Culvert | Reinforced Concrete Culvert | 84 | Feet | | |

Span Number $\underline{3}$ Span Length $\underline{7.0000}$ Skew $\underline{60.0000}$

| Number of Items | | Element Name | | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|---------------------------------|-----------------------------|----|----------|---------------------------|---------------------|
| 1 | Reinforced Concrete Box Culvert | Reinforced Concrete Culvert | 84 | Feet | | |

Structure Element Scoring

Structure Number: 400503 Inspection Date 7/29/2020

| - 1 | Element Number | Parent Number | Element Name | Location | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity |
|-----|-------------------|------------------|-----------------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
| | 241 | 0 | Reinforced Concrete Culvert | Culverts and Pipes | 252 | 68 | 35 | 149 | 0 |

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 400503 Inspection Date: 07/29/2020

| MMS Code | Element Name | Defect Name | Recommended Quantity |
|-------------|--------------------------------|------------------------|----------------------|
| 33 | 70 Reinforced Concrete Culvert | Abrasion/Wear (PSC/RC) | 149 Feet |

Element Structure Maintenance Quantities

Structure Number: 400503 Inspection Date 07/29/2020

| Location | MMS Code | Description | Maint Quantity | Total Quantity | Severe Quantity | Poor Quantity | Fair Quantity | Good Quantity |
|--------------------|-------------|---------------------------------------|-------------------|-------------------|--------------------|------------------|------------------|------------------|
| Culverts and Pipes | 3370 | Maintenance of NBI Culverts and Pipes | 149 | | 0 | 149 | 35 | 68 |

Priority Actions Request

| Structure Num | nber 400503 | | |
|-------------------|-------------|----------|---|
| Drift | | | |
| 3366 | Drift | Drift | |
| Priority Level | Defect Type | Quantity | Defect Description |
| 2 | | 18 | P.A.R. ISSUED FOR DRIFT AT INLET END OF ALL BARRELS IN A 21FT WIDE X 3FT HIGH X 2FT OUT AREA. |
| 2 | | 1 | P.A.R. ISSUED FOR 1 MISSING DELINEATOR AT SOUTHWEST CORNER OF STRUCTURE. DELINEATOR IS BURRIED IN TREES AND VEGGIEITATION AND |



Element Condition and Maintenance Data

Structure Number: 400503 Inspection Date: 07/29/2020

| Span 1 | | Culvert Sect | tion 1 | | | | | |
|-------------------|------------------------|-----------------------|--------------|------------|------------|------------|--------------|------|
| Reinfo | rced Concrete | Box Culvert | | | | | | |
| Elemen Number | - | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
| 241 | Reinfor | ced Concrete Culvert | 84 | 64 | 20 | 0 | 0 | Feet |
| Element Number | Defect Type | Defect Descri | ption | | cs | CS Qty | Maint Qty | |
| | acking (RC and her) | H/L VERTICAL CRACKING | | | 2 | 20 | | Feet |
| Gen | eral Comments | | | | | | | |

| Spai | n 2 | Culvert Section | n 1 | | | | | |
|-------------------|---------------------------|---------------------------------|--------------|------------|------------|------------|--------------|------|
| Rein | forced Concrete | Box Culvert | | | | | | |
| Elem Num | | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
| 241 | Reinfor | ced Concrete Culvert | 84 | 0 | 0 | 84 | 0 Fe | eet |
| Element Number | Defect Type | Defect Description | on | | cs | CS Qty | Maint Qty | |
| 241 | Abrasion/Wear (PSC/RC) | 1/8" PITTING ALONG THE WATERLIN | IE | | 3 | 84 | 84 | Feet |
| (| General Comments | | | | | | | |

| vert | Total | CS1 | CS2 | CS2 | 004 | |
|------------------------|------------------|--|--------------------------|--------------------------------|-------------------------------|--|
| ent Name | | CS1 | CS2 | CC2 | 004 | |
| e Culvert | Qty 84 | Qty 4 | Qty 15 | CS3 Qty 65 | CS4 Qty 0 Fe | eet |
| Defect Descripti | ion | | cs | CS Qty | Maint Qty | |
| ING ALONG THE WATERLIN | NE | | 3 | 65 | 65 | Feet |
| TICAL CRACKING | | | 2 | 15 | | Feet |
| | • | Defect Description FING ALONG THE WATERLINE TICAL CRACKING | TING ALONG THE WATERLINE | TING ALONG THE WATERLINE 3 | TING ALONG THE WATERLINE 3 65 | Defect Description CS CS Qty Qty FING ALONG THE WATERLINE 3 65 65 |

Elements Verfied

| Location | Name | Component | Element Name | Amount |
|----------|-------------------|---------------------------------|-----------------------------|--------|
| Span 1 | Culvert Section 1 | Reinforced Concrete Box Culvert | Reinforced Concrete Culvert | 84 |
| Span 2 | Culvert Section 1 | Reinforced Concrete Box Culvert | Reinforced Concrete Culvert | 84 |
| Span 3 | Culvert Section 1 | Reinforced Concrete Box Culvert | Reinforced Concrete Culvert | 84 |

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 400503 Inspection Date: 07/29/2020

National Bridge Inventory Items

| Item | Grade Scale | Grade |
|---|-------------|-------|
| Item 58: Deck | 0 - 9 , N | N |
| Item 59: Superstructure | 0 - 9 , N | N |
| Item 60: Substructure | 0 - 9 , N | N |
| Item 61: Channel and Channel Protection | 0 - 9 , N | 7 |
| Item 62: Culvert | 0 - 9 , N | 6 |
| Item 71: Waterway Adequacy | 0 - 9 , N | 7 |
| Item 72: Approach Roadway Alignment | 0 - 9 , N | 8 |

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

| Item | Grade Scale | Grade | Maint. Qty. | Maint. Code |
|--------------------------|---------------|-------|-------------|-------------|
| Headwall | G, F, P, or C | G | 0 | 4675 |
| Wingwall | G, F, P, or C | F | 25 | 3350 |
| Scour | G, F, P, or C | G | | |
| Drift | G, F, P, or C | Р | 96 | 3366 |
| Estimated Remaining Life | G, F, P, or C | | | |

Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

Inspection Information

| Item | Grade Scale | Grade |
|--|-------------|-------|
| Sign Noticed Issued | YES/NO | Υ |
| Priority Maintenance Request Submitted | YES/NO | Υ |
| Inspection Time | Hours | 2 |
| Traffic Control Time | Hours | |
| Snooper Time | Hours | |
| Ladder Used | YES/NO | N |
| Bucket Truck Used | YES/NO | N |
| Boat Used | YES/NO | N |
| Other Equipment Used | YES/NO | N |

National Bridge and NC SMU Inspection Item Details

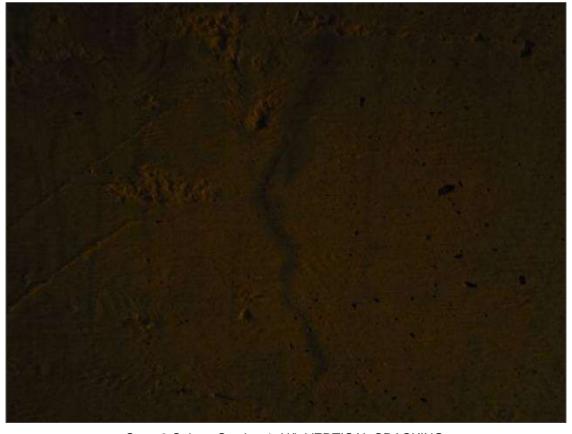
Structure Number: 400503 Inspection Date: 07/29/2020

| | | | | - |
|---------|--|-------------------|------------------------|----------------|
| Item | Sign Notice Issued | Grade Y | Maint Code | Qty. 0 |
| Details | 1 MISSING DELINEATOR AT SW CORNER. | | | |
| tem | Priority Maintenance Issued | Grade Y | Maint Code | Qty. 0 |
| Details | MISSING DELINEATOR SW CORNER. DRIFT AT INLET END ALL BARRELS. | | | |
| tem | Drift | Grade P | Maint Code 3366 | Qty. 96 |
| Details | P.A.R. ISSUED FOR DRIFT AT INLET END OF ALL E BARREL 1 HAS UP TO 5FT OF SILT ALONG LENGT BARREL 2 HAS UP TO 3FT OF PARTIAL SILT ALON | H. | T WIDE X 3FT HIGH X 2I | FT OUT AREA. |
| tem | Wingwalls | Grade F | Maint Code 3350 | Qty. 25 |
| Details | NORTHWEST WINGWALL IS WASHING BEHIND IT | IN A 5FT X 5FT AR | EA. | |
| Item | General Comments and Misc Items | Grade P | Maint Code | Qty. 0 |

Details P.A.R. ISSUED FOR 1 MISSING DELINEATOR AT SOUTHWEST CORNER OF STRUCTURE.



Span 3 Culvert Section 1: 1/8" PITTING ALONG THE WATERLINE



Span 3 Culvert Section 1: H/L VERTICAL CRACKING



P.A.R. ISSUED FOR DRIFT AT INLET END OF ALL BARRELS IN A 21FT WIDE X 3FT HIGH X 2FT OUT AREA.



BARREL 2 HAS UP TO 3FT OF PARTIAL SILT ALONG LENGTH.



BARREL 1 HAS UP TO 5FT OF SILT ALONG LENGTH.



P.A.R. ISSUED FOR 1 MISSING DELINEATOR AT SOUTHWEST CORNER OF STRUCTURE. DELINEATOR IS BURRIED IN TREES AND VEGGIEITATION AND IS NOT VISIBLE FROM ROAD.



NORTHWEST WINGWALL IS WASHING BEHIND IT IN A 5FT X 5FT AREA .

Structure Number: 400503 Inspection Date 07/29/2020 **Barrel Number 1** Length along centerline (ft) 83.5 Skew 60° Height Crown to Bed (ft) 22.0 Fill Depth (ft) 15.0 **Section 1 Details** Barrel Height (ft) 8.0 Barrel Width (ft) 7.0 **Barrel Number 2** Skew 60° Length along centerline (ft) 83.5 Height Crown to Bed (ft) 22.0 Fill Depth (ft) 15.0 **Section 1 Details** Barrel Height (ft) 8.0 Barrel Width (ft) 7.0 **Barrel Number 3** Skew 60° Length along centerline (ft) 83.5 Height Crown to Bed (ft) Fill Depth (ft) 22.0 15.0

Barrel Width (ft)

7.0

Barrel Height (ft) 8.0

Section 1 Details

Structure: 400503 County: GUILFORD Date: 07/29/2020 Structure Photos



LOOKING SOUTH



LOOKING NORTH

Structure: 400503 County: GUILFORD Date: 07/29/2020 Structure Photos



LOOKING WEST



DOWNSTREAM LOOKING EAST

Structure: 400503 County: GUILFORD Date: 07/29/2020 Structure Photos



LOOKING EAST



UPSTREAM LOOKING WEST

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 400503 County GUILFORD Date:

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

| MMS Code | Description of Function | Unit | Quantity | Remarks | Est. Cost |
|-------------|-----------------------------|------|----------|---|--------------|
| 0 | No Maintenance Required | NA | 1 | P.A.R. ISSUED FOR 1 MISSING DELINEATOR AT SOUTHWEST CORNER OF STRUCTURE. DELINEATOR IS BURRIED IN TREES AND VEGGIEITATION AND IS NOT VISIBLE FROM ROAD. | |
| 3366 | Drift and Debris Removal | HR | 18 | P.A.R. ISSUED FOR DRIFT AT INLET END OF ALL BARRELS IN A 21FT WIDE X 3FT HIGH X 2FT OUT AREA. | |



BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 400503 County GUILFORD

MMS Description

MMS Code

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

Quantity

| 0 | No | Maintenan | ce Required | Required 1 NA | | | | | | |
|-----------------------------|---|-------------|-----------------------------|----------------------------------|-----------|----|--|--|--|--|
| Location: | | | | | | | | | | |
| | Bent/Span No. | | | | | | | | | |
| Priority Leve | Priority Level Status | | | | | | | | | |
| Request Awaiting Assignment | | | | | | | | | | |
| Submitted D | ate: | Submitte | d By: | Assisted By: | | | | | | |
| 07/29/2020 | | JOHN H | IAYES | | | | | | | |
| Details | | | | | | | | | | |
| | P.A.R. ISSUED FOR 1 MISSING DELINEATOR AT SOUTHWEST CORNER OF STRUCTURE. DELINEATOR IS BURRIED IN TREES AND VEGGIEITATION AND IS NOT VISIBLE FROM ROAD. | | | | | | | | | |
| | | | | | | | | | | |
| MMS Code | MN | //S Descrip | otion | | Quantity | | | | | |
| 3366 | Drif | t and Debr | is Removal | | 18 | HR | | | | |
| Location: | | | | | | | | | | |
| | | | Bent/Span No. | | | | | | | |
| Priority Leve | el | | Status | | | | | | | |
| | | | Request Awaiting Assignment | | | | | | | |
| Submitted D | ate: | Submitte | d By: | Assisted By: | | | | | | |
| 07/29/2020 | 07/29/2020 JOHN HAYES | | | | | | | | | |
| Details | | | | | | | | | | |
| P.A.R. ISSU | JED F | OR DRIFT | AT INLET END OF ALL BARRELS | S IN A 21FT WIDE X 3FT HIGH X 2F | T OUT ARE | A. | | | | |

Culvert Segment Details

Has Bands?: No Distance From Upstream End to Edge of Pavement: ft Barrel 1 # of Long. Bolt Rows Corrugation Pattern Pipe Thickness (in) Distance From Upstream End of Segment (ft) Longitudinal Bolt Spacing (ft) Bolt Diameter (in) Rib Spacing (ft) Top Radius (ft) Leg Length (ft) Rib Length (ft) **Bolt Condition Bolt Material** Width (ft) Height (ft) Material Upstream 0 **RCBC** 7 Concrete 8 End 83.5 7 **RCBC** Downstream 8 Concrete End

| Barrel 2 | 2 Has Bands?: No | | | | | | Distance From Upstream End to Edge of Pavement: ft | | | | | | | | | | |
|-------------------|--|------------|-------------|---------------------|---------------------|-----------------|--|---------------|--------------------|----------------------|--|-----------------------------------|----------------|-----------------|------------------|------|----------|
| | Distance From Upstream End of Segment (ft) | Width (ft) | Height (ft) | Pipe Thickness (in) | Corrugation Pattern | Leg Length (ft) | Top Radius (ft) | Bolt Material | Bolt Diameter (in) | # of Long. Bolt Rows | Transverse Spacing b/w Bolt Rows (ft) | Longitudinal Bolt Spacing (ft) | Bolt Condition | Rib Length (ft) | Rib Spacing (ft) | Туре | Material |
| Upstream End | 0 | 7 | 8 | | | | | | | | | | | | | RCBC | Concrete |
| Downstream End | 83.5 | 7 | 8 | | | | | | | | | | | | | RCBC | Concrete |

Culvert Segment Details

| Barrel 3 | Barrel 3 Has Bands?: No | | | | | | Distance From Upstream End to Edge of Pavement: ft | | | | | | | | | | |
|-------------------|--|------------|-------------|---------------------|---------------------|-----------------|--|---------------|--------------------|----------------------|---------------------------------------|-----------------------------------|----------------|-----------------|------------------|------|----------|
| | Distance From Upstream End of Segment (ft) | Width (ft) | Height (ft) | Pipe Thickness (in) | Corrugation Pattern | Leg Length (ft) | Top Radius (ft) | Bolt Material | Bolt Diameter (in) | # of Long. Bolt Rows | Transverse Spacing b/w Bolt Rows (ft) | Longitudinal Bolt Spacing (ft) | Bolt Condition | Rib Length (ft) | Rib Spacing (ft) | Туре | Material |
| Upstream End | 0 | 7 | 8 | | | | | | | | | | | | | RCBC | Concrete |
| Downstream End | 83.5 | 7 | 8 | | | | | | | | | | | | | RCBC | Concrete |

Bridge Inspection Field Sketch

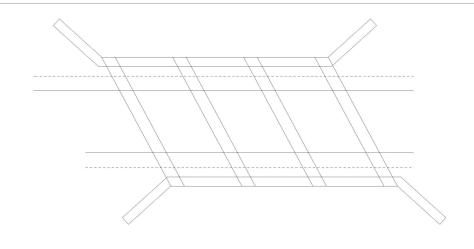
| Roadway | 20ft Wide | 2 Paved Lanes | Looking North |
|-----------------|-----------|---------------|---------------|
| Left Shoulder | 6ft Wide | | 6ft Unpaved |
| Right Shoulder | 6ft Wide | | 6ft Unpaved |
| Left Guardrail | | | |
| Right Guardrail | | | |

APPR.RDWY. TAKEN 12FT FROM STRUC. AT SOUTH END

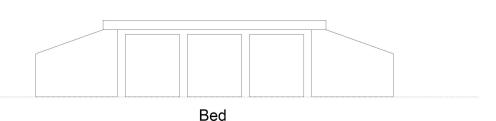
MEAS. VERIFIED 7/29/20...JBH

| Title | | Description | | | | | |
|-------------------|---------------|-------------|---------------------------|-------------------------|--|--|--|
| app rdway | | app rdway | | | | | |
| Bridge No: 400503 | Drawn By: MYW | | Date: _{07/14/08} | File Name: \$0058001489 | | | |
| | | | | · | | | |

Bridge Inspection Field Sketch



Crown of Roadway



Looking Downstream

| Number of Barrels | Skew | Distance From Crown to Bed | Fill Depth | | | |
|---------------------------------|------|-------------------------------------|------------|--|--|--|
| 3 | 60° | 22ft 15ft | | | | |
| Length Along Center Line of Cul | vert | Length Along Center Line of Roadway | | | | |
| 83.5ft | | 25.404ft | | | | |

| Barrel # | Width | Height | Wall Thickness | Scour at Inlet | Scour at Outlet |
|----------|-------|--------|-------------------|----------------|-----------------|
| 1 | 7ft | 8ft | | | |
| 2 | 7ft | 8ft | .500ft | | |
| 3 | 7ft | 8ft | .500ft | | |

BARREL 2 HAS UP TO 3FT PARTIAL SILT UP TO 5' OF SILT IN BARREL 1 BARREL 3 HAS UP TO 1.5FT WATER RIGHT SHOULDER TO BREAKPOINT 5FT (SIGN)
LEFT SHOULDER TO BREAKPOINT 6FT (SIGN)
SPEED LIMIT 55 MPH

MEAS. VERIFIED 7/29/20...JBH

| Title | | Description | | | |
|-------------------|---------------|--------------|--------------|-------------------------|--|
| CULVERT DATA | | CULVERT DATA | | | |
| Bridge No: 400503 | Drawn By: RLA | | Date:7/14/08 | File Name: \$0054000179 | |