



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE ISSUED

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY CABARRUS BRIDGE NUMBER 120022 INSPECTION CYCLE 0 YRS

ROUTE NC24 & NC27 EBL ACROSS ROCKY RIVER M.P. 0

0.2 MILES WEST OF JUNCTION WITH SR1100 (MCKEE ROAD)

LOCATION 0.2 MI. W. JCT. SR1100

SUPERSTRUCTURE REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE ABTS:RC SPILL THRU WDN.W/STL.PILES,BT7&8:RCP&W,BT1-6&9:RCP&B

10 @ 52.5'

SPANS 10@52'6

LONGITUDE 80° 28' 23.38"

LATITUDE 35° 15' 17.46"

INSPECTION DATE 05/20/2014

PRESENT CONDITION POOR

PRESENT POSTING Y **SV 41 TTST 44**

PROPOSED POSTING

OTHER SIGNS PRESENT NONE



WEST APPROACH LOOKING EAST

Fracture Critical	<u>No</u>
Temporary Shoring	<u>No</u>
Scour Critical	<u>No</u>
Scour POA	<u>No</u>

SIGN NOTICE ISSUED FOR	NUMBERED 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

Run Date: 06/19/2014

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 120022
 (8) STRUCTURE NUMBER(FEDERAL) 00000000250022
 (5) INVENTORY ROUTE (ON/UNDER) - ON 31000240
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 1
 (3) COUNTY CODE 25 (4) PLACE CODE 0
 (6) FEATURE INTERSECTED - ROCKY RIVER
 (7) FACILITY CARRIED NC24 & NC27 EBL
 (9) LOCATION 0.2 MI. W. JCT. SR1100
 (11)MILEPOINT 0
 (16)LAT 35° 15' 17.46" (17)LONG 80° 28' 23.38"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 34.53
 STATUS = Structurally Deficient

CLASSIFICATION **CODE**

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is not on NHS 0
 (26) FUNCTIONAL CLASS - Minor Arterial 06
 (100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
 (101)PARALLEL STRUCTURE - Right Parallel Structure R
 (102)DIRECTION OF TRAFFIC - 1-way Traffic 1
 (103)TEMPORARY STRUCTURE -
 (110)DESIGNATED NATIONAL NETWORK - On the National Network 1
 (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

(43) STRUCTURE TYPE MAIN: Concrete
 TYPE - Tee Beam CODE 104
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 10
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION **CODE**

(58) DECK 5
 (59) SUPERSTRUCTURE 4
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION 5
 (62) CULVERTS N

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD H 15 2
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-20 36
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-12 21
 (70) BRIDGE POSTING - Posting Required 3
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1923
 (106)YEAR RECONSTRUCTED 1957
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Waterway CODE 15
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 8000
 (30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 8%
 (19) BYPASS OR DETOUR LENGTH 1 MI

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 1111
 (113)SCOUR CRITICAL BRIDGES 8

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 52 FT
 (49) STRUCTURE LENGTH 525 FT
 (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 28.167 FT
 (52) DECK WIDTH OUT TO OUT 31.333 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 29 FT
 (33) BRIDGE MEDIAN - No Median CODE 1
 (34) SKEW 0° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.167 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
 (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
 (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
 (56) MIN LAT UNDERCLEAR LT REF - 000 FT

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114)FUTURE ADT 16000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 05/20/2014
 (92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - YES 48Mo B) 07/30/2013
 C) OTHER SPECIAL INSP NO C)
 SCOUR

NAVIGATION DATA

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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 06/19/2014

COUNTY : CABARRUS DIVISION : 10 DISTRICT : 1 STRUCTURE NUMBER : 120022 LENGTH : 525 FEET

ROUTE CARRIED : NC24 & NC27 EBL FEATURE INTERSECTED : ROCKY RIVER

LOCATED : 0.2 MI. W. JCT. SR1100 BRIDGE NAME : CITY :

FUNC. CLASS : 06 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 8000 2012 RAIL TYPE : LT 333 RT 333

BUILT : 1923 BY : SHPWC PROJ : 616 FED.AID PROJ : DESIGN LOAD : H 15

REHAB : 1957 BY : SHC PROJ : 8.16862 ALIGNMENT : TAN SKEW : 90 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 46 FT WATER DEPTH : 4 FT

SUPERSTRUCTURE : REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE : ABUTS:RC SPILL THRU WDN.W/STEEL PILES, INT.BENTS#7&8:RC POST & WEB, INT.BENTS#1-6&9:RC POST & BEAM

SPANS : 10@52'6"

BEAMS OR GIRDERS : 5 LINES OF RC DECK GIRDERS @ VARIOUS CENTERS, 18"X51" EXT,18"X47" INT

FLOOR : 8" RC, 4" CWS, 3.5" AWS ENCROACHMENT : DECK (OUT TO OUT) : 31.333 FT

CLEAR ROADWAY : 28.167 FT BETWEEN RAILS : 28.167 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-12 OPE.RTG. : HS-20 CONTR.MEMBER : RCDG POSTED : SV 41 TTST 44 DATE 06/22/2012

SYSTEM : Primary N.C. Route GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

REMARKS :

INSPECTION TYPE Routine Inspection - Contract
 BRIDGE NO. 120022 COUNTY CABARRUS ROUTE NC24 & NC27 EBL OVER ROCKY RIVER
 STRUCTURE TYPE REINFORCED CONCRETE DECK GIRDERS
 ROUTE ORIENTATION W - E SPANS 10@52'6"

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

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES				
1. WEARING SURFACE			F	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58					b. ALIGNMENT	F	
a. CONCRETE	10	F	c. SCOUR		F		
b. TIMBER			d. SLOPE PROT., RIP-RAP, DIKES, ETC.		F		
3. RAILING				50. APPROACH ROADWAY CONDITION			
a. CONCRETE		F	51. APPROACH SLABS			F	
b. TIMBER			52. PAINT SYSTEM			CODE	
c. ALUMINUM			53. UTILITIES				
d. STEEL			54. RESPONSE TO LIVE LOAD			G	
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			F	55. ESTIMATED REMAINING LIFE			16
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED			NO
6. DECK EXP JTS. OR DEVICES. NO. OF EACH				61. PROMPT-ACTION NOTICE ISSUED			YES
a. STEEL PL OR FINGER			62. PRESENTLY POSTED			YES	
b. MISC PREFAB			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			28	
c. COMPRESSION SEAL	9	F	64. TOTAL SNOOPER INSP. TIME (HRS)			8	
d. STANDARD JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			8	
e. OPEN JOINTS							
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			F	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			P	b. SUPERSTRUCTURE	ITEM 59	4	
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE	ITEM 60	4	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			G	d. CHANNEL & CHANNEL PROT.	ITEM 61	5	
13. END DIAP'S, CURTAIN WALLS, & CONN'S			F	71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS				a. WATERWAY ADAQUACY		7	
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				b. APPR. RDWY. ALIGNMENT		8	
16. DRAINAGE SYSTEM (ON STRUCTURE)			F	72. FIELD SCOUR EVALUATION			L
17. MOVABLE SPAN MACHINERY							
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)				USE OF INSP. ACCESSIBILITY EQUIPMENT			
35. TIM SUB STR.				SNOOPER (CODE S, 4, OR N)			8 HRS
a. ABUT. & INT. BENT CAPS & RISERS			LADDER			NO	
b. PILES, POST, SILLS, & BRACING			BUCKET TRUCK			NO	
c. BULKHEADS, WING'S, & TIE BACKS			BOAT			NO	
36. CONC SUB STR.				OTHER			NO
a. ABUT. & INT. BENT CAPS		P					
b. ABUT. & BENT COL'S BREASTWALLS		P					
c. ABUT. & INT. BENT PILES							
d. BACKWALLS, WING'S, RETAIN. WALLS		F					
e. ABUT. & BENT FOOTINGS & SILLS		G					
37. STEEL SUB STR.				SPECIAL INSPECTION REQUESTED FOR			
a. ABUT. & INT. BENT CAPS & RISERS							
b. PILES, BRACING, AND BULKHEADS							
38. FOUNDATION PILES TYPE MATERIAL				NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)			F				
40. FENDER SYSTEMS				80. INSPECTED BY:			
41. DRIFT			F	81. REVIEWED BY:			

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u>	
State of North Carolina Dept. of Transportation Division of Highways			
Team Leader THOMAS D. GRAHAM, P.E.			
Assisted By WCM			
Item No.	Grade		
1	F	(WEARING SURFACE) ASPHALT WEARING SURFACE OVER BENT 4, TRANSVERSE CRACK (FULL WIDTH X 1/8IN) ASPHALT WEARING SURFACE OVER BENT 1, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN) ASPHALT WEARING SURFACE OVER END BENT 1, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN) SPAN 1 ASPHALT WEARING SURFACE RIGHT LANE AT END BENT 1, LONGITUDINAL CRACK (6FT X 1/16IN) ASPHALT WEARING SURFACE OVER BENT 3, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN) ASPHALT WEARING SURFACE OVER BENT 2, TWO (2) TRANSVERSE CRACKS (12FT X UP TO 1/4IN) ASPHALT WEARING SURFACE OVER BENT 5, TRANSVERSE CRACK (FULL WIDTH X 1/8IN) ASPHALT WEARING SURFACE OVER BENT 6, TWO (2) TRANSVERSE CRACKS (13FT X 1/8IN) SPAN 7 ASPHALT WEARING SURFACE RIGHT LANE AT 3FT FROM BENT 6, LONGITUDINAL CRACK (4FT X 1/16IN) (SIMILAR AT MIDSPANS AND ON SPAN 8) SPAN 7 ASPHALT WEARING SURFACE RIGHT LANE AT 3FT FROM BENT 7, LONGITUDINAL CRACK (10FT X 1/16IN) (SIMILAR ON SPAN 8) ASPHALT WEARING SURFACE OVER BENT 7, TWO (2) TRANSVERSE CRACKS (12FT X 1/8IN) ASPHALT WEARING SURFACE OVER BENT 8, TRANSVERSE CRACK (FULL WIDTH X 1/8IN) ASPHALT WEARING SURFACE OVER BENT 9, TRANSVERSE CRACK (FULL WIDTH X 1/8IN) SPAN 10 ASPHALT WEARING SURFACE RIGHT LANE AT END BENT 2, LONGITUDINAL CRACK (8FT X 1/16IN) SPAN 10 ASPHALT WEARING SURFACE RIGHT LANE AT END BENT 2, LONGITUDINAL CRACK (3FT X 1/16IN) ASPHALT WEARING SURFACE OVER END BENT 2, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN)	
2a	F	(CONCRETE DECK) SPAN 2 UNDERSIDE OF DECK AT BAY 3, MULTIPLE POPOUTS/DELAMINATION (UP TO 1IN DIAMETER) WITH EXPOSED RUSTED REBAR (ALL BAYS SIMILAR) SPAN 4 UNDERSIDE OF DECK AT BAY 1, EFFLORESCENCE ALONG BENT 2 (ALL SPANS SIMILAR) SPAN 5 BENT 5 UNDERSIDE OF DECK AT BAY 2, SPALL (3FT X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION SPAN 7 UNDERSIDE OF DECK AT BAY 2, MULTIPLE SPALLS (UP TO 4FT X 2FT X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) (ALL BAYS SIMILAR) SPAN 7 NORTH OVERHANG AT SCUPPER 1, SPALL (12IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	

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3a	F	(CONCRETE RAILING) NORTH RAIL AND NORTHWEST EARWALL AT END BENT 1, VEGETATION GROWTH (5FT X 3FT X 5FT) SOUTH RAIL AND SOUTHWEST EARWALL AT END BENT 1, VEGETATION GROWTH (15FT X 10FT X 3FT) SPAN 1 SOUTH RAIL AT 20FT FROM END BENT 1, SPALL (6IN X 3IN X 1/2IN DEEP) SOUTH RAIL, SCALING WITH EXPOSED AGGREGATE (SIMILAR THROUGHOUT ON BOTH RAILS) SPAN 1 NORTH RAIL AT 10FT FROM BENT 1, IMPACT SCRAPES (8FT) SOUTH RAIL END POST AT END BENT 2, SPALL (10IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SOUTH RAIL END POST BASE AT END BENT 2, SPALL (6IN X 4IN X 1IN DEEP) NORTH RAIL END POST AT END BENT 2, SPALL (18IN X 4IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR NORTH RAIL AT END BENT 2, SPALL (6FT X 5IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR NORTH RAIL AT 16FT FROM END BENT 2, SPALL (3FT X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 9 NORTH RAIL POST NEAR MIDSPAN, THREE (3) SPALLS (UP TO 10IN X 5IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 9 NORTH RAIL POST AT 10FT FROM BENT 8, SPALL (8IN X 4IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR	
4	F	(CURBS, WHEELGUARD, PARAPETS) SPAN 1 SOUTH RAIL PARAPET AT 25FT FROM END BENT 1, TRANSVERSE CRACK (2FT X HAIRLINE) NORTH CURB, DROPOFF (UP TO 4IN) FROM ASPHALT WEARING SURFACE (SOUTH CURB SIMILAR) SPAN 1 NORTH RAIL PARAPET NEAR MIDSPAN, VERTICAL CRACK (3FT X 1/16IN) EXTENDS TO TOP SIDE (SIMILAR THROUGHOUT ON BOTH RAILS) SPAN 3 SOUTH RAIL PARAPET, SPALL (3IN X 3IN X 1/4IN DEEP) WITH DELAMINATION (6IN X 3IN) SPAN 5 SOUTH RAIL PARAPET, HORIZONTAL CRACK (3FT X 1/16IN) (SIMILAR THROUGHOUT ON BOTH RAILS)	
6c	F	(COMPRESSION SEALS) GRADED CARRIED FOWARD (JOINTS NOT VISIBLE DUE TO ASPHALT OVERLAY)	
7	F	(DECK DEBRIS) SPAN 4 SOUTH CURB, DEBRIS ACCUMULATION WITH VEGETATION GROWTH (FULL LENGTH X 1FT) (NORTH CURB SIMILAR)	

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Assisted By WCM			
Item No.	Grade		
10	P	<p>(LONGITUDINAL BEAMS)</p> <p>(PM) SPAN 2 BEAM 4 AT BENT 1, SPALL (2FT X 2FT X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS ON REBAR</p> <p>(PM) SPAN 2 BEAM 3 AT BENT 1, SPALL (33IN X 28IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS ON SECONDARY (UP TO 50%)</p> <p>(PM) SPAN 2 BEAM 3 AT BENT 1, SPALL (33INX28INX2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 50%)</p> <p>(PM) SPAN 2 BEAM 2 AT BENT 1, THREE (3) SPALLS (UP TO 36IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%)</p> <p>(PM) SPAN 1 BEAM 2 AT BENT 1, SPALL (24IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%)</p> <p>(PM) SPAN 1 BEAM 3 AT BENT 1, SPALL (30IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%)</p> <p>(PM) SPAN 1 BEAM 4 AT BENT 1, SPALL (18IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>SPAN 2 BEAM 2 AT MIDSPAN, MULTIPLE TRANSVERSE CRACKS (FULL WIDTH X HAIRLINE) EXTEND UP BOTH SIDES WITH ADJACENT MAP CRACKING (ALL BEAMS SIMILAR)</p> <p>(PM) SPAN 2 BEAM 2 AT BENT 2, SPALL (14IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 2 BEAM 3 AT BENT 2, SPALL (18IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 2 BEAM 4 AT BENT 2, SPALL (30INX18INX4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 100%)</p> <p>(PM) SPAN 3 BEAM 4 SOUTH FACE AT MIDSPAN, SPALL (18FT X 18IN X 2-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION AT BOTTOM FLANGE (6FT X 18IN) WITH TRANSVERSE CRACKS (FULL WIDTH X HAIRLINE)</p> <p>SPAN 3 BEAM 3 NORTH FACE AT BENT 2, DELAMINATION (14IN X 10IN)</p> <p>(PM) SPAN 3 BEAM 2 AT BENT 2, THREE (3) SPALLS (UP TO 16IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 3 BEAM 2 AT MIDSPAN, EIGHT (8) SPALLS AT STIRRUPS (UP TO 3FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (SIMILAR AT 10FT FROM BENT 3)</p> <p>(PM) SPAN 3 BEAM 2 AT BENT 3, THREE (3) SPALLS (UP TO 18IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 3 BEAM 3 AT BENT 3, SPALL (16IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (50%)</p> <p>(PM) SPAN 3 BEAM 4 AT BENT 3, SPALL (20IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>(PM) SPAN 3 BEAM 5 AT BENT 3, SPALL (10IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 4 BEAM 2 AT BENT 3, SPALL (18IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 4 BEAM 2 AT MIDSPAN, TWO (2) SPALLS (10IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) SPAN 4 BEAM 4 AT BENT 4, SPALL (2FT X 6IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>SPAN 5 BEAM 5 SOUTH FACE AT BENT 5, SPALL (12IN X 4IN X 2IN DEEP) WITH ADJACENT DELAMINATION</p>	

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Assisted By WCM			
Item No.	Grade		
		(PM) SPAN 5 BEAM 2 AT WEST HALF, SPALL (15FT X 2FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR (PM) SPAN 5 BEAM 4 AT BENT 5, MULTIPLE SPALLS (UP TO 24IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, DELAMINATION (18IN X 18IN) (PM) SPAN 6 BEAM 2 AT MIDSPAN, SPALL (26FT X 20IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (100%) (PM) SPAN 6 BEAM 4 SOUTH FACE, MULTIPLE SPALLS (3FT X 4IN X 1IN) WITH EXPOSED RUSTED REBAR, MULTIPLE DELAMINATIONS (3FT X 3IN) (PM) SPAN 7 BEAM 2 AT 12FT FROM BENT 6, SPALL (3FT X 3FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) (PM) SPAN 7 BEAM 4 AT BENT 6, SPALL (8IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 7 BEAM 4 AT BENT 6, SPALL ON NORTH FACE (11IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 7 BEAM 2 AT BENT 6, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 7 BEAM 2 AT 12FT FROM BENT 6, MULTIPLE SPALLS (UP TO 18IN X 12IN X 1IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, ADJACENT DELAMINATION (PM) SPAN 7 BEAM 3 AT BENT 7, SPALL (10IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION Note: More details for this item are on attached sheets (CURVED GIRDERS) NO CURVED GIRDERS	
10A	NO		
13	F	(END DIAPS, CURTAIN WALL) SPAN 6 BENT 5 END DIAPHRAGM AT BAY 4, SPALL (20IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	

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Assisted By WCM			
Item No.	Grade		
36a	P	<p>(CONCRETE ABUTS, BENTS, CAPS)</p> <p>(PM) BENT 1 CAP SOUTH FACE, SPALL (12IN X 7IN X 1IN DEEP)</p> <p>BENT 1 CAP SOUTH FACE, VEGETATION GROWTH (1CF) WITH DEBRIS ACCUMULATION (1CF) (SIMILAR AT BENT 2, BENT 5, BENT 6, BENT 8, BENT 9)</p> <p>BENT 1 CAP SOUTH FACE, VERTICAL CRACK (FULL HEIGHT X HAIRLINE)</p> <p>(PM) BENT 1 CAP EAST FACE BELOW BEAM 4, SPALL (18IN X 30IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>BENT 1 CAP EAST FACE BELOW BEAM 3, TWO (2) SPALLS (UP TO 14IN DIAMETER X 2IN DEEP)</p> <p>BENT 1 CAP EAST FACE BELOW BEAM 2, TWO (2) SPALLS (UP TO 15IN X 11IN X 2IN DEEP) WITH VERTICAL CRACKS (UP TO FULL HEIGHT X HAIRLINE)</p> <p>(PM) BENT 1 CAP UNDERSIDE BELOW BEAM 2, SPALL (12IN X 12IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) BENT 1 CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2, SPALL (10IN X 7IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>BENT 1 CAP WEST FACE BELOW BENT 3, SPALL (20IN X 9IN X 2-1/2IN DEEP)</p> <p>(PM) BENT 1 CAP WEST FACE BELOW BENT 4, SPALL (3FT X 20IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) BENT 1 CAP WEST FACE BELOW BENT 4, SPALL (20IN X 6IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>BENT 2 CAP AND COLUMN, VEGETATION GROWTH (OTHERS SIMILAR)</p> <p>(PM) BENT 2 CAP WEST FACE AT BAY 2, SPALL (4FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (6-1/2FTX18IN)</p> <p>BENT 2 CAP WEST FACE AT BAY 3, DELAMINATION (6FT X 18IN)</p> <p>(PM) BENT 2 CAP EAST FACE, SPALL (17FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (FULL WIDTH X 15IN)</p> <p>BENT 2 CAP EAST FACE BELOW BEAM 3, DELAMINATION/SPALL (30IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) BENT 3 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) BENT 3 CAP EAST FACE, MULTIPLES SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>(PM) BENT 4 CAP WEST FACE, THREE (3) SPALLS (UP TO 4-1/2FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>(PM) BENT 4 CAP EAST FACE, MULTIPLE SPALLS (UP TO 17FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>(PM) BENT 5 CAP WEST FACE, TWO (2) SPALLS (6FT X UP TO 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>(PM) BEAM 5 CAP WEST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)</p> <p>(PM) BEAM 5 CAP EAST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)</p> <p>(PM) BENT 6 CAP WEST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)</p> <p>BENT 6 CAP UNDERSIDE AT SOUTH END, TWO (2) SPALLS (6IN X 5IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>BENT 7 CAP AT SOUTH END, TWO (2) POPOUTS (3IN X 1/2IN) WITH EXPOSED RUSTED REBAR, THREE (3) VERTICAL CRACKS (UP TO FULL HEIGHT X HAIRLINE), AND DEBRIS</p> <p>(PM) BENT 7 CAP EAST FACE BELOW BEAM 2, SPALL (16IN X 11IN X 2IN DEEP)</p> <p>(PM) BENT 6 CAP EAST FACE, MULTIPLE SPALLS/DELAMINATIONS (UP TO 5-1/2FT X 16IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE</p>	

Bridge I&A Form 1(82)H		<h1>FIELD INSPECTION REPORT</h1> <h2><u>Bridge Inspection & Analysis</u></h2>	
State of North Carolina Dept. of Transportation Division of Highways			
Team Leader THOMAS D. GRAHAM, P.E.			
Assisted By WCM			
Item No.	Grade		
		<p>LOSS)</p> <p>(PM) BENT 8 CAP EAST FACE BELOW BEAM 4, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH ADJACENT DELAMINATION</p> <p>(PM) BENT 9 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3-1/2FT X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>(PM) BENT 9 CAP EAST FACE, MULTIPLE SPALLS (UP TO 15FT X 13IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>END BENT 2 BAY 1 WEST FACE AND TOP OF CAP, SPALL (15IN X 7IN X 1IN DEEP) WITH DELAMINATION (3FT X 2FT)</p> <p>(PM) END BENT 2 CAP WEST FACE BELOW BEAM 2, SPALL (1FT X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) END BENT 2 CAP WEST FACE AT BEAM 3, SPALL (17IN X 15IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) END BENT 2 CAP WEST FACE BELOW BEAM 3, SPALL (7IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>(PM) END BENT 2 CAP WEST FACE BELOW BEAM 4, SPALL (8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>END BENT 2 BAY 4 CAP WEST AND TOP FACE, SPALL (3FT X 1FT X 3IN DEEP), DELAMINATION (3FT X 2FT)</p> <p>END BENT 2 CAP AT SOUTH END, DEBRIS ACCUMULATION WITH VEGETATION GROWTH (4FT X 2FT X 1FT)</p> <p>Note: More details for this item are on attached sheets</p>	

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u>	
State of North Carolina Dept. of Transportation Division of Highways			
Team Leader THOMAS D. GRAHAM, P.E.			
Assisted By WCM			
Item No.	Grade		
36b	P	(CONCRETE COLS, BREAST WALLS)	
		BENT 2 CAP AND COLUMN, VEGETATION GROWTH (OTHERS SIMILAR)	
		(PM) BENT 2 COLUMN 1 SOUTHEAST CORNER, SPALL (30IN X 12IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR	
		(PM) BENT 3 COLUMN 2 SOUTHWEST CORNER, TWO (2) SPALLS (UP TO 4FT X 15IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		BENT 3 COLUMN 2 SOUTHEAST CORNER, DELAMINATION (2FT X 4IN)	
		(PM) BENT 4 COLUMN 1 NORTH FACE, TWO (2) SPALLS (UP TO 5-1/2FT X 10IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		(PM) BENT 4 COLUMN 1 SOUTHWEST CORNER, SPALL (4FT X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		(PM) BENT 4 COLUMN 2 SOUTHEAST CORNER, SPALL (6FT X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		(PM) BENT 6 COLUMN 2 NORTHWEST CORNER, SPALL (2FT X 18IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		(PM) BENT 7 COLUMN 1 NORTHWEST CORNER AT HAUNCH, SPALL (24IN X 8IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		(PM) BENT 7 COLUMN 1 NORTHWEST CORNER AT 18FT FROM BOTTOM, SPALL (34IN X 9IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
		(PM) BENT 8 COLUMN 1 NORTH FACE, TWO (2) SPALLS (2FT X 8IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) AND DEBONDED REBAR	
(PM) BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT BELOW CAP, SPALL (6FT X 1FT X 5IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)			
(PM) BENT 8 COLUMN 2 SOUTHWEST CORNER, SPALL (16IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)			
(PM) BENT 9 COLUMN 2 SOUTHWEST CORNER, SPALL (20IN X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR			
(PM) BENT 9 COLUMN 2 SOUTHEAST CORNER, SPALL (11IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR			
(PM) BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT ABOVE WATERLINE, TWO (2) SPALLS (UP TO 4FT X 6IN X 2IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS			
36d	F	(CONCRETE RETAINING WALLS)	
		SPAN 2 BENT 2 BACKWALL AT BAY 2, SPALL (14IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR	
		SPAN 5 BENT 4 BACKWALL AT BAY 2, VERTICAL CRACK (FULL HEIGHT X HAIRLINE)	
		SPAN 5 BENT 5 BACKWALL AT BAY 3, TWO (2) DIAGONAL CRACKS (UP TO FULL HEIGHT X HAIRLINE) WITH EFFLORESCENCE	
		SPAN 8 BENT 8 BAY 3 BACKWALL AT BEAM 3, DELAMINATION (20IN X 9IN) (SIMILAR ON BAY 2 AT BEAM 3)	
		NORTH RAIL AND NORTHWEST EARWALL AT END BENT 1, VEGETATION GROWTH (5FT X 3FT X 5FT)	
SOUTH RAIL AND SOUTHWEST EARWALL AT END BENT 1, VEGETATION GROWTH (15FT X 10FT X 3FT)			

Bridge I&A Form 1(82)H		<h1>FIELD INSPECTION REPORT</h1> <p><u>Bridge Inspeccion & Analysis</u></p>	
State of North Carolina Dept. of Transportation Division of Highways			
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Assisted By WCM			
Item No.	Grade		
41	F	(DRIFT) BENT 8, DRIFT ACCUMULATION WITH TREE (30FT X 24IN DIAMETER)	
50	F	(APPROACH ROADWAY) SOUTHWEST GUARDRAIL POST AT 100FT FROM END BENT 1, BENT/ROTATED (45 DEGREES) SOUTHWEST GUARDRAIL AT 20FT FROM END BENT 1, IMPACT DAMAGE (17FT) WEST APPROACH SOUTH SHOULDER ASPHALT WEARING SURFACE AT 15FT FROM END BENT 1, TRANSVERSE CRACK (1-1/2FT X 1/8IN) WEST APPROACH SOUTH CURB AT END BENT 1, BROKEN WITH SPALL (4IN X 8IN X 6IN DEEP) WITH EXPOSED RUSTED REBAR WEST APPROACH ASPHALT WEARING SURFACE AT 5FT FROM END BENT 1, FOUR (4) TRANSVERSE CRACKS (UP TO FULL WIDTH X UP TO 1/2IN) WEST APPROACH ASPHALT WEARING SURFACE AT END BENT 1, LONGITUDINAL CRACK (4FT X 1/16IN) EAST APPROACH SOUTH SHOULDER ASPHALT WEARING SURFACE, ASPHALT RAVELING (25FT X 3FT) EAST APPROACH ASPHALT WEARING SURFACE AT 3FT FROM END BENT 2, TRANSVERSE CRACK (20FT X UP TO 1/4IN)	

State of North Carolina
Dept. of Transportation
Division of Highways

FIELD INSPECTION REPORT

Item No.	Extended Field Inspection Notes
10	<p>(LONGITUDINAL BEAMS) (PM) SPAN 7 BEAM 4 AT BENT 7, SPALL (16IN X 16IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION (PM) SPAN 8 BEAM 2 AT BENT 7, TWO (2) SPALLS (UP TO 12IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 8 BEAM 2 AT 8FT FROM BENT 7, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION (PM) SPAN 8 BEAM 2 AT 6FT FROM BENT 8, MULTIPLE SPALLS (UP TO 2FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 8 BEAM 4 AT BENT 8, SPALL (16IN X 8IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 9 BEAM 4 AT BENT 8, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) (PM) SPAN 9 BEAM 4 AT 12FT FROM BENT 8, MULTIPLE SPALLS/DELAMINATIONS (UP TO 26IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 9 BEAM 3 AT BENT 8, DIAGONAL CRACK (24IN X 1/64IN) EXTENDS INTO DECK (2FT) (PM) SPAN 9 BEAM 2 AT BENT 8, SPALL (16IN X 6IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), ADJACENT DELAMINATION (PM) SPAN 10 BEAM 2 AT BENT 9, SPALL (18IN X 5IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 10 BEAM 4 AT BENT 9, SPALL (6IN DIAMETER X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) (PM) SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (UP TO 40IN X 8IN X 1-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (PM) SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (5IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 9 BEAM 3 NORTH FACE AT BENT 9, TWO (2) SPALLS (UP TO 12IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 9 BEAM 4 AT BENT 9, SPALL (18IN X 48IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 10 BEAM 2 NORTH FACE AT END BENT 2, MAP CRACKING (3FT X 2FT X HAIRLINE) SPAN 10 BEAM 1 SOUTH FACE AT 10FT FROM END BENT 2, TWO (2) VERTICAL CRACKS (3FT X HAIRLINE) (SIMILAR THROUGHOUT) (PM) SPAN 10 BEAM 2 SOUTH FACE AT END BENT 2, THREE (3) SPALLS (UP TO 5IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 10 BEAM 4 NORTH FACE AT END BENT 2, SPALL (2FT X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 10 BEAM 4 NORTH FACE AT 3FT FROM END BENT 2, SEVEN (7) SPALLS (UP TO 8IN X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 1 BEAM 2 SOUTH FACE AT END BENT 1, THREE (3) SPALLS (UP TO 8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 1 BEAM 4 NORTH FACE AT END BENT 1, TWO (2) SPALLS (6IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 1 BEAM 3 NORTH FACE AT END BENT 1, SPALL (10IN X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 2 BEAM 2 AT BENT 1, SPALL (48IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR (PM) SPAN 3 BEAM 4 SOUTH FACE AT MIDSPAN, SPALL (18FT X 18IN X 2-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS, DELAMINATION WITH TRANSVERSE CRACKS (PM) SPAN 9 BEAM 2 AT 5FT FROM BENT 8, SPALL (2FT X 5IN X 2IN) WITH EXPOSED RUSTED REBAR, HONEYCOMB, AND DELAMINATION, SECTION LOSS (NO MEASURABLE LOSS)</p>

State of North Carolina Dept. of Transportation Division of Highways	FIELD INSPECTION REPORT	
Item No.	Extended Field Inspection Notes	
36a	(CONCRETE ABUTS, BENTS, CAPS) END BENT 2 CAP AT SOUTH END, EROSION WITH UNDERMINING (2FT X 1FT X 28IN) (PM) END BENT 1 CAP EAST FACE BELOW BEAM 2, SPALL (6IN X 4IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR	






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

Date: 05/20/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	4	SPAN 2 BEAM 4 AT BENT 1, SPALL (2FT X 2FT X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS ON REBAR SPAN 2 BEAM 4 AT BENT 2, SPALL (30IN X 18IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 100%)	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 2 BEAM 3 AT BENT 1, SPALL (33IN X 28IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 50%) SPAN 2 BEAM 3 AT BENT 2, SPALL (18IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	6	SPAN 2 BEAM 2 AT BENT 1, THREE (3) SPALLS (UP TO 36IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%) SPAN 2 BEAM 2 AT BENT 1, SPALL (48IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 2 BEAM 2 AT BENT 2, SPALL (14IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	4	SPAN 1 BEAM 3 AT BENT 1, SPALL (30IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%) SPAN 1 BEAM 3 NORTH FACE AT END BENT 1, SPALL (10IN X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	3	SPAN 1 BEAM 4 AT BENT 1, SPALL (18IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 1 BEAM 4 NORTH FACE AT END BENT 1, TWO (2) SPALLS (6IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined







BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

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MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 1 BEAM 2 AT BENT 1, SPALL (24IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%) SPAN 1 BEAM 2 SOUTH FACE AT END BENT 1, THREE (3) SPALLS (UP TO 8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 3 BEAM 2 AT BENT 2, THREE (3) SPALLS (UP TO 16IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 3 BEAM 2 AT MIDSPAN, EIGHT (8) SPALLS AT STIRRUPS (UP TO 3FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 3 BEAM 2 AT BENT 3, THREE (3) SPALLS (UP TO 18IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 3 BEAM 3 AT BENT 3, SPALL (16IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (50%)	
 3306	Maintain Concrete Superstructure Components	SF	15	SPAN 3 BEAM 4 SOUTH FACE AT MIDSPAN, SPALL (18FT X 18IN X 2-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION AT BOTTOM FACE (6FT X 18IN) WITH TRANSVERSE CRACKS (FULL WIDTH X HAIRLINE) SPAN 3 BEAM 4 AT BENT 3, SPALL (20IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3306	Maintain Concrete Superstructure Components	SF	1	SPAN 3 BEAM 5 AT BENT 3, SPALL (10IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	4	SPAN 4 BEAM 2 AT BENT 3, SPALL (18IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 4 BEAM 2 AT MIDSPAN, TWO (2) SPALLS (10IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	

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MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 4 BEAM 4 AT BENT 4, SPALL (2FT X 6IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	10	SPAN 5 BEAM 2 AT WEST HALF, SPALL (15FT X 2FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 5 BEAM 4 AT BENT 5, MULTIPLE SPALLS (UP TO 24IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, DELAMINATION (18IN X 18IN)	
 3306	Maintain Concrete Superstructure Components	SF	18	SPAN 6 BEAM 2 AT MIDSPAN, SPALL (26FT X 20IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (100%)	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 6 BEAM 4 SOUTH FACE, MULTIPLE SPALLS (3FT X 4IN X 1IN) WITH EXPOSED RUSTED REBAR, MULTIPLE DELAMINATIONS (3FT X 3IN)	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 7 BEAM 2 AT 12FT FROM BENT 6, SPALL (3FT X 3FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 7 BEAM 2 AT BENT 6, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 7 BEAM 2 AT 12FT FROM BENT 6, MULTIPLE SPALLS (UP TO 18IN X 12IN X 1IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, ADJACENT DELAMINATION	
 3306	Maintain Concrete Superstructure Components	SF	4	SPAN 7 BEAM 4 AT BENT 6, SPALL ON BOTTOM FACE (8IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 7 BEAM 4 AT BENT 6, SPALL ON NORTH FACE (11IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 7 BEAM 4 AT BENT 7, SPALL (16IN X 16IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION	

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MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 7 BEAM 3 AT BENT 7, SPALL (10IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION	
 3306	Maintain Concrete Superstructure Components	SF	2	SPAN 8 BEAM 4 AT BENT 8, SPALL (16IN X 8IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 8 BEAM 2 AT BENT 7, TWO (2) SPALLS (UP TO 12IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 8 BEAM 2 AT 8FT FROM BENT 7, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION SPAN 8 BEAM 2 AT 6FT FROM BENT 8, MULTIPLE SPALLS (UP TO 2FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	4	SPAN 9 BEAM 3 NORTH FACE AT BENT 9, TWO (2) SPALLS (UP TO 12IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	6	SPAN 9 BEAM 4 AT BENT 8, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 9 BEAM 4 AT 12FT FROM BENT 8, MULTIPLE SPALLS/DELAMINATIONS (UP TO 26IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 9 BEAM 4 AT BENT 9, SPALL (18IN X 48IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	

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BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 9 BEAM 2 AT BENT 8, SPALL (16IN X 6IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), ADJACENT DELAMINATION SPAN 9 BEAM 2 AT 5FT FROM BENT 8, SPALL (2FT X5INX 2IN) WITH EXPOSED RUSTED REBAR, HONEYCOMB, AND DELAMINATION, SECTION LOSS (NO MEASURABLE LOSS)SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (UP TO 40IN X 8IN X 1-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), ADJACENT DELAMINATION SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (5IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	5	SPAN 10 BEAM 4 AT BENT 9, SPALL (6IN DIAMETER X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 10 BEAM 4 NORTH FACE AT END BENT 2, SPALL (2FT X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 10 BEAM 4 NORTH FACE AT 3FT FROM END BENT 2, SEVEN (7) SPALLS (UP TO 8IN X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3306	Maintain Concrete Superstructure Components	SF	3	SPAN 10 BEAM 2 AT BENT 9, SPALL (18IN X 5IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 10 BEAM 2 SOUTH FACE AT END BENT 2, THREE (3) SPALLS (UP TO 5IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

Date: 05/20/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	8	BENT 1 CAP SOUTH FACE, SPALL (12IN X 7IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP EAST FACE BELOW BEAM 4, SPALL (18IN X 30IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP UNDERSIDE BELOW BEAM 2, SPALL (12IN X 12IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2, SPALL (10IN X 7IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP WEST FACE BELOW BEAM 4, SPALL (3FT X 20IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP WEST FACE BELOW BEAM 4, SPALL (20IN X 6IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR	
 3348	Maintain Concrete Substructure Components	LF	3	BENT 2 COLUMN 1 SOUTHEAST CORNER, SPALL (30IN X 12IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3348	Maintain Concrete Substructure Components	LF	30	BENT 2 CAP WEST FACE AT BAY 2, SPALL (4FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (6-1/2FT X 18IN) BENT 2 CAP EAST FACE, SPALL (17FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (FULL WIDTH X 15IN)	
 3348	Maintain Concrete Substructure Components	LF	15	BENT 3 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR BENT 3 CAP EAST FACE, MULTIPLES SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3348	Maintain Concrete Substructure Components	LF	6	BENT 3 COLUMN 2 SOUTHWEST CORNER, TWO (2) SPALLS (UP TO 4FT X 15IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

Date: 05/20/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	20	BENT 4 CAP WEST FACE, THREE (3) SPALLS (UP TO 4-1/2FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 4 CAP EAST FACE, MULTIPLE SPALLS (UP TO 17FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3348	Maintain Concrete Substructure Components	LF	12	BENT 4 COLUMN 1 NORTH FACE, TWO (2) SPALLS (UP TO 5-1/2FT X 10IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 4 COLUMN 1 SOUTHWEST CORNER, SPALL (4FT X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 4 COLUMN 1 EAST FACE, THREE (3) SPALLS (UP TO 12FT X 14IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR (10FT)	
 3348	Maintain Concrete Substructure Components	LF	6	BENT 4 COLUMN 2 SOUTHEAST CORNER, SPALL (6FT X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3348	Maintain Concrete Substructure Components	LF	25	BENT 5 CAP WEST FACE, TWO (2) SPALLS (6FT X UP TO 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 5 CAP EAST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)	
 3348	Maintain Concrete Substructure Components	LF	3	BENT 6 COLUMN 2 NORTHWEST CORNER, SPALL (2FT X 18IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

Date: 05/20/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	25	BENT 6 CAP WEST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN) WITH EXPOSED RUSTED REBAR BENT 6 CAP EAST FACE, MULTIPLE SPALLS/DELAMINATIONS (UP TO 5-1/2FT X 16IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3348	Maintain Concrete Substructure Components	LF	5	BENT 7 CAP AT SOUTH END, TWO (2) POPOUTS (3IN X 1/2IN) WITH EXPOSED RUSTED REBAR, THREE (3) VERTICAL CRACKS (FULL HEIGHT X HAIRLINE), DEBRIS ACCUMULATION AND VEGETATION GROWTH	
 3348	Maintain Concrete Substructure Components	LF	5	BENT 7 COLUMN 1 NORTHWEST CORNER AT HAUNCH, SPALL (24IN X 8IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 7 COLUMN 1 NORTHWEST CORNER AT 18FT FROM BOTTOM, SPALL (34IN X 9IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3348	Maintain Concrete Substructure Components	LF	2	BENT 8 CAP EAST FACE BELOW BEAM 4, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH ADJACENT DELAMINATION	
 3348	Maintain Concrete Substructure Components	LF	10	BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT BELOW CAP, SPALL (6FT X 1FT X 5IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 8 COLUMN 2 SOUTHWEST CORNER, SPALL (16IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT ABOVE WATERLINE, TWO (2) SPALLS (UP TO 4FT X 6IN X 2IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

Date: 05/20/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	5	BENT 8 COLUMN 1 NORTH FACE, TWO (2) SPALLS (2FT X 8IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) AND DEBONDED REBAR	
 3348	Maintain Concrete Substructure Components	LF	5	BENT 9 COLUMN 2 SOUTHWEST CORNER, SPALL (20IN X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR BENT 9 COLUMN 2 SOUTHEAST CORNER, SPALL (11IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR	
 3348	Maintain Concrete Substructure Components	LF	15	BENT 9 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3-1/2FT X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 9 CAP EAST FACE, MULTIPLE SPALLS (UP TO 15FT X 13IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)	
 3348	Maintain Concrete Substructure Components	LF	1	END BENT 1 CAP EAST FACE BELOW BEAM 2, SPALL (6IN X 4IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR	
 3348	Maintain Concrete Substructure Components	LF	6	END BENT 2 CAP WEST FACE BELOW BEAM 2, SPALL (1FT X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR END BENT 2 CAP WEST FACE AT BEAM 3, SPALL (17IN X 15IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR END BENT 2 CAP WEST FACE BELOW BEAM 3, SPALL (7IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR END BENT 2 CAP WEST FACE BELOW BEAM 4, SPALL (8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR	
2816	Asphalt Surface Repair or Replacement	SY	21	CRACKS IN ASPHALT WEARING SURFACE	
2824	Concrete Pavement Repairs	SY	3	SPALLS/DELAMINATIONS IN CURBS AND PARAPETS	
2910	Manual Brush and Tree Control	LF	200	VEGETATION GROWTH	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

Date: 05/20/2014

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3120	Repair/Maintain Barriers	LF	45	GUARDRAIL IMPACT DAMAGE	
3306	Maintain Concrete Superstructure Components	SF	30	DELAMINATIONS ON BEAMS	
3306	Maintain Concrete Superstructure Components	SF	4	SPALL IN END DIAPHRAGM	
3306	Maintain Concrete Superstructure Components	SF	220	SPALLS/DELAMINATIONS ON UNDERSIDE OF DECK	
3318	Maint to Concrete Handrail	LF	24	SPALLS IN RAILS AND POSTS	
3348	Maintain Concrete Substructure Components	LF	14	DELAMINATIONS ON COLUMNS	
3348	Maintain Concrete Substructure Components	LF	40	SPALLS/DELAMINATIONS ON BENT CAPS	
3366	Drift and Debris Removal	HR	4	DRIFT AT BENT 8	
3376	Clean/Wash Bridge Decks	SF	500	DEBRIS ACCUMULATION	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF
Location:		
Beams and Girders		Bent/Span No. 2 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 2 BEAM 4 AT BENT 1, SPALL (2FT X 2FT X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS ON REBAR SPAN 2 BEAM 4 AT BENT 2, SPALL (30IN X 18IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 100%)		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 2 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 2 BEAM 3 AT BENT 1, SPALL (33IN X 28IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 50%) SPAN 2 BEAM 3 AT BENT 2, SPALL (18IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	6 SF
Location:		
Beams and Girders Bent/Span No. 2 BEAM		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 2 BEAM 2 AT BENT 1, THREE (3) SPALLS (UP TO 36IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%) SPAN 2 BEAM 2 AT BENT 1, SPALL (48IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 2 BEAM 2 AT BENT 2, SPALL (14IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF
Location:		
Beams and Girders Bent/Span No. 1 BEAM		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 1 BEAM 3 AT BENT 1, SPALL (30IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%) SPAN 1 BEAM 3 NORTH FACE AT END BENT 1, SPALL (10IN X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	3 SF
Location:		
Beams and Girders		Bent/Span No. 1 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 1 BEAM 4 AT BENT 1, SPALL (18IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 1 BEAM 4 NORTH FACE AT END BENT 1, TWO (2) SPALLS (6IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 1 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 1 BEAM 2 AT BENT 1, SPALL (24IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%) SPAN 1 BEAM 2 SOUTH FACE AT END BENT 1, THREE (3) SPALLS (UP TO 8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 3 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>SPAN 3 BEAM 2 AT BENT 2, THREE (3) SPALLS (UP TO 16IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 3 BEAM 2 AT MIDSPAN, EIGHT (8) SPALLS AT STIRRUPS (UP TO 3FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 3 BEAM 2 AT BENT 3, THREE (3) SPALLS (UP TO 18IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders Bent/Span No. 3 BEAM		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 3 BEAM 3 AT BENT 3, SPALL (16IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (50%)		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	15 SF
Location:		
Beams and Girders Bent/Span No. 3 BEAM		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 3 BEAM 4 SOUTH FACE AT MIDSPAN, SPALL (18FT X 18IN X 2-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION AT BOTTOM FACE (6FT X 18IN) WITH TRANSVERSE CRACKS (FULL WIDTH X HAIRLINE) SPAN 3 BEAM 4 AT BENT 3, SPALL (20IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF
Location:		
Beams and Girders		Bent/Span No. 3 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 3 BEAM 5 AT BENT 3, SPALL (10IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF
Location:		
Beams and Girders		Bent/Span No. 2 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 4 BEAM 2 AT BENT 3, SPALL (18IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 4 BEAM 2 AT MIDSPAN, TWO (2) SPALLS (10IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders		Bent/Span No. 4 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 4 BEAM 4 AT BENT 4, SPALL (2FT X 6IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	10 SF
Location:		
Beams and Girders		Bent/Span No. 5 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 5 BEAM 2 AT WEST HALF, SPALL (15FT X 2FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders Bent/Span No. 5 BEAM		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 5 BEAM 4 AT BENT 5, MULTIPLE SPALLS (UP TO 24IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, DELAMINATION (18IN X 18IN)		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	18 SF
Location:		
Beams and Girders Bent/Span No. 6 BEAM		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 6 BEAM 2 AT MIDSPAN, SPALL (26FT X 20IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (100%)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 6 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 6 BEAM 4 SOUTH FACE, MULTIPLE SPALLS (3FT X 4IN X 1IN) WITH EXPOSED RUSTED REBAR, MULTIPLE DELAMINATIONS (3FT X 3IN)		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 7 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 7 BEAM 2 AT 12FT FROM BENT 6, SPALL (3FT X 3FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) SPAN 7 BEAM 2 AT BENT 6, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 7 BEAM 2 AT 12FT FROM BENT 6, MULTIPLE SPALLS (UP TO 18IN X 12IN X 1IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, ADJACENT DELAMINATION		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF
Location:		
Beams and Girders		Bent/Span No. 7 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 7 BEAM 4 AT BENT 6, SPALL ON BOTTOM FACE (8IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 7 BEAM 4 AT BENT 6, SPALL ON NORTH FACE (11IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 7 BEAM 4 AT BENT 7, SPALL (16IN X 16IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders Bent/Span No. 7 BEAM		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 7 BEAM 3 AT BENT 7, SPALL (10IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION		

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF
Location:		
Beams and Girders Bent/Span No. 8 BEAM		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 8 BEAM 4 AT BENT 8, SPALL (16IN X 8IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 8 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>SPAN 8 BEAM 2 AT BENT 7, TWO (2) SPALLS (UP TO 12IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>SPAN 8 BEAM 2 AT 8FT FROM BENT 7, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION</p> <p>SPAN 8 BEAM 2 AT 6FT FROM BENT 8, MULTIPLE SPALLS (UP TO 2FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF
Location:		
Beams and Girders	Bent/Span No. 9	BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
SPAN 9 BEAM 3 NORTH FACE AT BENT 9, TWO (2) SPALLS (UP TO 12IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	6 SF
Location:		
Beams and Girders		Bent/Span No. 9 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>SPAN 9 BEAM 4 AT BENT 8, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>SPAN 9 BEAM 4 AT 12FT FROM BENT 8, MULTIPLE SPALLS/DELAMINATIONS (UP TO 26IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>SPAN 9 BEAM 4 AT BENT 9, SPALL (18IN X 48IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 9 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>SPAN 9 BEAM 2 AT BENT 8, SPALL (16IN X 6IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), ADJACENT DELAMINATION SPAN 9 BEAM 2 AT 5FT FROM BENT 8, SPALL (2FT X5INX 2IN) WITH EXPOSED RUSTED REBAR, HONEYCOMB, AND DELAMINATION, SECTION LOSS (NO MEASURABLE LOSS) SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (UP TO 40IN X 8IN X 1-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), ADJACENT DELAMINATION SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (5IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF
Location:		
Beams and Girders		Bent/Span No. 10 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>SPAN 10 BEAM 4 AT BENT 9, SPALL (6IN DIAMETER X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>SPAN 10 BEAM 4 NORTH FACE AT END BENT 2, SPALL (2FT X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR</p> <p>SPAN 10 BEAM 4 NORTH FACE AT 3FT FROM END BENT 2, SEVEN (7) SPALLS (UP TO 8IN X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	3 SF
Location:		
Beams and Girders		Bent/Span No. 10 BEAM
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>SPAN 10 BEAM 2 AT BENT 9, SPALL (18IN X 5IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR SPAN 10 BEAM 2 SOUTH FACE AT END BENT 2, THREE (3) SPALLS (UP TO 5IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	8 LF
Location:		
Pier Cap	Bent/Span No. 1	BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>BENT 1 CAP SOUTH FACE, SPALL (12IN X 7IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP EAST FACE BELOW BEAM 4, SPALL (18IN X 30IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP UNDERSIDE BELOW BEAM 2, SPALL (12IN X 12IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2, SPALL (10IN X 7IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP WEST FACE BELOW BEAM 4, SPALL (3FT X 20IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR BENT 1 CAP WEST FACE BELOW BEAM 4, SPALL (20IN X 6IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Pier Substructure	Bent/Span No. 2	COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 2 COLUMN 1 SOUTHEAST CORNER, SPALL (30IN X 12IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	30 LF
Location:		
Pier Cap	Bent/Span No. 2	BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 2 CAP WEST FACE AT BAY 2, SPALL (4FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (6-1/2FT X 18IN) BENT 2 CAP EAST FACE, SPALL (17FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (FULL WIDTH X 15IN)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	15 LF
Location:		
Pier Cap		Bent/Span No. 3 BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 3 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR BENT 3 CAP EAST FACE, MULTIPLES SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Pier Substructure		Bent/Span No. 3 COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 3 COLUMN 2 SOUTHWEST CORNER, TWO (2) SPALLS (UP TO 4FT X 15IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	20 LF
Location:		
Pier Cap	Bent/Span No. 4	BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>BENT 4 CAP WEST FACE, THREE (3) SPALLS (UP TO 4-1/2FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>BENT 4 CAP EAST FACE, MULTIPLE SPALLS (UP TO 17FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	12 LF
Location:		
Pier Substructure	Bent/Span No. 4	COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>BENT 4 COLUMN 1 NORTH FACE, TWO (2) SPALLS (UP TO 5-1/2FT X 10IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>BENT 4 COLUMN 1 SOUTHWEST CORNER, SPALL (4FT X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>BENT 4 COLUMN 1 EAST FACE, THREE (3) SPALLS (UP TO 12FT X 14INX 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR (10FT)</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Pier Substructure		Bent/Span No. 4 COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 4 COLUMN 2 SOUTHEAST CORNER, SPALL (6FT X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	25 LF
Location:		
Pier Cap		Bent/Span No. 5 BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 5 CAP WEST FACE, TWO (2) SPALLS (6FT X UP TO 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 5 CAP EAST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Pier Substructure		Bent/Span No. 6 COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 6 COLUMN 2 NORTHWEST CORNER, SPALL (2FT X 18IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	25 LF
Location:		
Pier Cap		Bent/Span No. 6 BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 6 CAP WEST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN) WITH EXPOSED RUSTED REBAR BENT 6 CAP EAST FACE, MULTIPLE SPALLS/DELAMINATIONS (UP TO 5-1/2FT X 16IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Pier Cap	Bent/Span No. 7	BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>BENT 7 CAP AT SOUTH END, TWO (2) POPOUTS (3IN X 1/2IN) WITH EXPOSED RUSTED REBAR, THREE (3) VERTICAL CRACKS (FULL HEIGHT X HAIRLINE), DEBRIS ACCUMULATION AND VEGETATION GROWTH</p>		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Pier Substructure	Bent/Span No. 7	COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>BENT 7 COLUMN 1 NORTHWEST CORNER AT HAUNCH, SPALL (24IN X 8IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 7 COLUMN 1 NORTHWEST CORNER AT 18FT FROM BOTTOM, SPALL (34IN X 9IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Pier Cap	Bent/Span No. 8	BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 8 CAP EAST FACE BELOW BEAM 4, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH ADJACENT DELAMINATION		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	10 LF
Location:		
Pier Substructure	Bent/Span No. 8	COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT BELOW CAP, SPALL (6FT X 1FT X 5IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>BENT 8 COLUMN 2 SOUTHWEST CORNER, SPALL (16IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)</p> <p>BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT ABOVE WATERLINE, TWO (2) SPALLS (UP TO 4FT X 6IN X 2IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022 County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Pier Substructure	Bent/Span No. 8	COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 8 COLUMN 1 NORTH FACE, TWO (2) SPALLS (2FT X 8IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) AND DEBONDED REBAR		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Pier Substructure	Bent/Span No. 9	COLUMN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 9 COLUMN 2 SOUTHWEST CORNER, SPALL (20IN X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR BENT 9 COLUMN 2 SOUTHEAST CORNER, SPALL (11IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	15 LF
Location:		
Pier Cap	Bent/Span No. 9	BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
BENT 9 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3-1/2FT X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) BENT 9 CAP EAST FACE, MULTIPLE SPALLS (UP TO 15FT X 13IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF
Location:		
Abutment Cap	Bent/Span No. 1	END BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
END BENT 1 CAP EAST FACE BELOW BEAM 2, SPALL (6IN X 4IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 120022

County CABARRUS

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Abutment Cap		Bent/Span No. 2 END BENT CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2014	THOMAS D. GRAHAM, P.E.	WILLIAM MITCHELL
Details		
<p>END BENT 2 CAP WEST FACE BELOW BEAM 2, SPALL (1FT X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR END BENT 2 CAP WEST FACE AT BEAM 3, SPALL (17IN X 15IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR END BENT 2 CAP WEST FACE BELOW BEAM 3, SPALL (7IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR END BENT 2 CAP WEST FACE BELOW BEAM 4, SPALL (8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR</p>		



BENT 1 CAP SOUTH FACE, VEGETATION GROWTH (1CF) WITH DEBRIS ACCUMULATION (1CF)



BENT 1 CAP SOUTH FACE, VERTICAL CRACK (FULL HEIGHT X HAIRLINE)



(PM) BENT 1 CAP EAST FACE BELOW BEAM 4, SPALL (18IN X 30IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR



BENT 1 CAP EAST FACE BELOW BEAM 3, TWO (2) SPALLS (UP TO 14IN DIAMETER X 2IN DEEP)



SPAN 2 UNDERSIDE OF DECK AT BAY 3, MULTIPLE POPOUTS/DELAMINATION (UP TO 1IN DIAMETER) WITH EXPOSED RUSTED REBAR (ALL BAYS SIMILAR)



BENT 1 CAP EAST FACE BELOW BEAM 2, TWO (2) SPALLS (UP TO 15IN X 11IN X 2IN DEEP) WITH VERTICAL CRACKS (UP TO FULL HEIGHT X HAIRLINE)



(PM) BENT 1 CAP UNDERSIDE BELOW BEAM 2, SPALL (12IN X 12IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 1 CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2, SPALL (10IN X 7IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



BENT 1 CAP WEST FACE BELOW BENT 3, SPALL (20IN X 9IN X 2-1/2IN DEEP)



(PM) BENT 1 CAP WEST FACE BELOW BENT 4, SPALL (3FT X 20IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 1 CAP WEST FACE BELOW BENT 4, SPALL (20IN X 6IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR



SPAN 2 BEAM 2 AT MIDSPAN, MULTIPLE TRANSVERSE CRACKS (FULL WIDTH X HAIRLINE) EXTEND UP BOTH SIDES WITH ADJACENT MAP CRACKING



BENT 2 CAP AND COLUMN, VEGETATION GROWTH



SPAN 2 BENT 2 BACKWALL AT BAY 2, SPALL (14IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



BENT 2 CAP WEST FACE AT BAY 3, DELAMINATION (6FT X 18IN)



BENT 2 CAP EAST FACE BELOW BEAM 3, DELAMINATION/SPALL (30IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



SPAN 3 BEAM 3 NORTH FACE AT BENT 2, DELAMINATION (14IN X 10IN)



(PM) SPAN 3 BEAM 4 AT BENT 3, SPALL (20IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 3 COLUMN 2 SOUTHWEST CORNER, TWO (2) SPALLS (UP TO 4FT X 15IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



BENT 3 COLUMN 2 SOUTHEAST CORNER, DELAMINATION (2FT X 4IN)



(PM) SPAN 3 BEAM 5 AT BENT 3, SPALL (10IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 3 CAP EAST FACE, MULTIPLES SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



SPAN 4 UNDERSIDE OF DECK AT BAY 1, EFFLORESCENCE ALONG BENT 2 (ALL SPANS SIMILAR)



SPAN 5 BEAM 5 SOUTH FACE AT BENT 5, SPALL (12IN X 4IN X 2IN DEEP) WITH ADJACENT DELAMINATION



SPAN 5 BENT 4 BACKWALL AT BAY 2, VERTICAL CRACK (FULL HEIGHT X HAIRLINE)



SPAN 5 BENT 5 UNDERSIDE OF DECK AT BAY 2, SPALL (3FT X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION



SPAN 5 BENT 5 BACKWALL AT BAY 3, TWO (2) DIAGONAL CRACKS (UP TO FULL HEIGHT X HAIRLINE) WITH EFFLORESCENCE



(PM) SPAN 6 BEAM 2 AT MIDSPAN, SPALL (26FT X 20IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (100%)



(PM) BENT 6 CAP WEST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)



(PM) SPAN 6 BEAM 4 SOUTH FACE, MULTIPLE SPALLS (3FT X 4IN X 1IN) WITH EXPOSED RUSTED REBAR, MULTIPLE DELAMINATIONS (3FT X 3IN)



SPAN 6 BENT 5 END DIAPHRAGM AT BAY 4, SPALL (20IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



SPAN 7 UNDERSIDE OF DECK AT BAY 2, MULTIPLE SPALLS (UP TO 4FT X 2FT X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



SPAN 7 NORTH OVERHANG AT SCUPPER 1, SPALL (12IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 7 BEAM 3 AT BENT 7, SPALL (10IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION



(PM) BENT 8 COLUMN 1 NORTH FACE, TWO (2) SPALLS (2FT X 8IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS) AND DEBONDED REBAR



(PM) SPAN 8 BEAM 2 AT 6FT FROM BENT 8, MULTIPLE SPALLS (UP TO 2FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 8 BEAM 4 AT BENT 8, SPALL (16IN X 8IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT BELOW CAP, SPALL (6FT X 1FT X 5IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 8 COLUMN 2 SOUTHWEST CORNER, SPALL (16IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



BENT 8, DRIFT ACCUMULATION WITH TREE (30FT X 24IN DIAMETER)



(PM) BENT 8 COLUMN 2 SOUTHEAST CORNER AT 10FT ABOVE WATERLINE, TWO (2) SPALLS (UP TO 4FT X 6IN X 2IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS



(PM) BENT 8 CAP EAST FACE BELOW BEAM 4, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH ADJACENT DELAMINATION



(PM) SPAN 9 BEAM 4 AT BENT 8, SPALL (2FT X 4IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 9 BEAM 4 AT 12FT FROM BENT 8, MULTIPLE SPALLS/DELAMINATIONS (UP TO 26IN X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



SOUTHWEST STREAMBANK, EROSION WITH DISPLACED SLOPE PROTECTION AND EXPOSED TREE ROOTS



SPAN 8 BENT 8 BAY 3 BACKWALL AT BEAM 3, DELAMINATION (20IN X 9IN)



SPAN 9 BEAM 3 AT BENT 8, DIAGONAL CRACK (24IN X 1/64IN) EXTENDS INTO DECK (2FT)



(PM) SPAN 9 BEAM 2 AT BENT 8, SPALL (16IN X 6IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), ADJACENT DELAMINATION



(PM) SPAN 9 BEAM 2 AT 5FT FROM BENT 8, SPALL (2FT X5INX 2IN) WITH EXPOSED RUSTED REBAR, HONEYCOMB, AND DELAMINATION, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 9 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3-1/2FT X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 9 CAP EAST FACE, MULTIPLE SPALLS (UP TO 15FT X 13IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (UP TO 40IN X 8IN X 1-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION



(PM) SPAN 9 BEAM 2 AT BENT 9, TWO (2) SPALLS (5IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 9 BEAM 3 NORTH FACE AT BENT 9, TWO (2) SPALLS (UP TO 12IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 9 BEAM 4 AT BENT 9, SPALL (18IN X 48IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 9 COLUMN 2 SOUTHWEST CORNER, SPALL (20IN X 12IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 9 COLUMN 2 SOUTHEAST CORNER, SPALL (11IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR



SOUTHWEST GUARDRAIL POST AT 100FT FROM END BENT 1, BENT/ROTATED (45 DEGREES)



SOUTHWEST GUARDRAIL AT 20FT FROM END BENT 1, IMPACT DAMAGE (17FT)



WEST APPROACH SOUTH SHOULDER ASPHALT WEARING SURFACE AT 15FT FROM END BENT 1,
TRANSVERSE CRACK (1-1/2FT X 1/8IN)



NORTH RAIL AND NORTHWEST EARWALL AT END BENT 1, VEGETATION GROWTH (5FT X 3FT X 5FT)



WEST APPROACH SOUTH CURB AT END BENT 1, BROKEN WITH SPALL (4IN X 8IN X 6IN DEEP) WITH EXPOSED RUSTED REBAR



SOUTH RAIL AND SOUTHWEST EARWALL AT END BENT 1, VEGETATION GROWTH (15FT X 10FT X 3FT)



SPAN 1 SOUTH RAIL AT 20FT FROM END BENT 1, SPALL (6IN X 3IN X 1/2IN DEEP)



SPAN 1 SOUTH RAIL AT 25FT FROM END BENT 1, IMPACT DAMAGE (8FT)



SPAN 1 SOUTH RAIL PARAPET AT 25FT FROM END BENT 1, TRANSVERSE CRACK (2FT X HAIRLINE)



ASPHALT WEARING SURFACE OVER BENT 1, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN)



SOUTH RAIL, SCALING WITH EXPOSED AGGREGATE



NORTH CURB, DROPOFF (UP TO 4IN) FROM ASPHALT WEARING SURFACE



WEST APPROACH ASPHALT WEARING SURFACE AT 5FT FROM END BENT 1, FOUR (4) TRANSVERSE CRACKS (UP TO FULL WIDTH X UP TO 1/2IN)



WEST APPROACH ASPHALT WEARING SURFACE AT END BENT 1, LONGITUDINAL CRACK (4FT X 1/16IN)



ASPHALT WEARING SURFACE OVER END BENT 1, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN)



SPAN 1 ASPHALT WEARING SURFACE RIGHT LANE AT END BENT 1, LONGITUDINAL CRACK (6FT X 1/16IN)



SPAN 1 NORTH RAIL PARAPET NEAR MIDSPAN, VERTICAL CRACK (3FT X 1/16IN) EXTENDS TO TOP SIDE



SPAN 1 NORTH RAIL AT 10FT FROM BENT 1, IMPACT SCRAPES (8FT)



SPAN 2 SOUTH RAIL NEAR MIDSPAN, IMPACT DAMAGE/SCRAPES (20FT)



ASPHALT WEARING SURFACE OVER BENT 3, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN)



ASPHALT WEARING SURFACE OVER BENT 2, TWO (2) TRANSVERSE CRACKS (12FT X UP TO 1/4IN)



SPAN 3 SOUTH RAIL PARAPET, SPALL (3IN X 3IN X 1/4IN DEEP) WITH DELAMINATION (6IN X 3IN)



ASPHALT WEARING SURFACE OVER BENT 4, TRANSVERSE CRACK (FULL WIDTH X 1/8IN)



SPAN 4 SOUTH CURB, DEBRIS ACCUMULATION WITH VEGETATION GROWTH (FULL LENGTH X 1FT)



SPAN 5 SOUTH RAIL PARAPET, HORIZONTAL CRACK (3FT X 1/16IN)



ASPHALT WEARING SURFACE OVER BENT 5, TRANSVERSE CRACK (FULL WIDTH X 1/8IN)



ASPHALT WEARING SURFACE OVER BENT 6, TWO (2) TRANSVERSE CRACKS (13FT X 1/8IN)



SPAN 7 ASPHALT WEARING SURFACE RIGHT LANE AT 3FT FROM BENT 6, LONGITUDINAL CRACK (4FT X 1/16IN)



SPAN 7 ASPHALT WEARING SURFACE RIGHT LANE AT 3FT FROM BENT 7, LONGITUDINAL CRACK (10FT X 1/16IN)



ASPHALT WEARING SURFACE OVER BENT 7, TWO (2) TRANSVERSE CRACKS (12FT X 1/8IN)



ASPHALT WEARING SURFACE OVER BENT 8, TRANSVERSE CRACK (FULL WIDTH X 1/8IN)



ASPHALT WEARING SURFACE OVER BENT 9, TRANSVERSE CRACK (FULL WIDTH X 1/8IN)



SPAN 10 ASPHALT WEARING SURFACE RIGHT LANE AT END BENT 2, LONGITUDINAL CRACK (3FT X 1/16IN)



ASPHALT WEARING SURFACE OVER END BENT 2, TRANSVERSE CRACK (FULL WIDTH X UP TO 1/4IN)



SOUTH RAIL END POST AT END BENT 2, SPALL (10IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



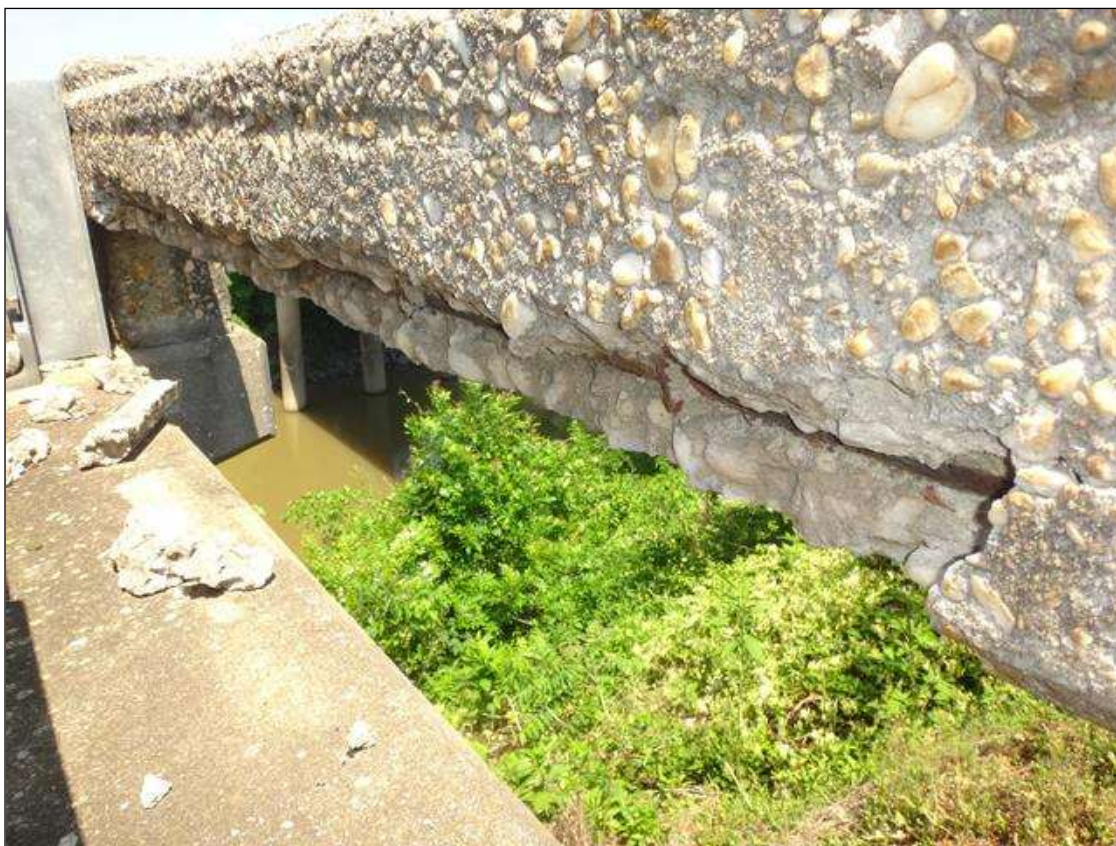
SOUTH RAIL END POST BASE AT END BENT 2, SPALL (6IN X 4IN X 1IN DEEP)



EAST APPROACH SOUTH SHOULDER ASPHALT WEARING SURFACE, ASPHALT RAVELING (25FT X 3FT)



EAST APPROACH ASPHALT WEARING SURFACE AT 3FT FROM END BENT 2, TRANSVERSE CRACK (20FT X UP TO 1/4IN)



NORTH RAIL AT END BENT 2, SPALL (6FT X 5IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



SPAN 9 NORTH RAIL POST AT 10FT FROM BENT 8, SPALL (8IN X 4IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR



NORTHEAST EARWALL, POPOUT (6IN X 3IN X 1IN)



SPAN 10 BEAM 2 NORTH FACE AT END BENT 2, MAP CRACKING (3FT X 2FT X HAIRLINE)



END BENT 2 CAP AT SOUTH END, EROSION WITH UNDERMINING (2FT X 1FT X 28IN)



(PM) BENT 1 CAP SOUTH FACE, SPALL (12IN X 7IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 2 BEAM 4 AT BENT 1, SPALL (2FT X 2FT X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS ON REBAR



(PM) SPAN 2 BEAM 3 AT BENT 1, SPALL (33INX28INX2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 50%)



(PM) SPAN 2 BEAM 2 AT BENT 1, THREE (3) SPALLS (UP TO 36IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%)



(PM) SPAN 2 BEAM 2 AT BENT 1, SPALL (48IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 1 BEAM 2 AT BENT 1, SPALL (24IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%)



(PM) SPAN 1 BEAM 3 AT BENT 1, SPALL (30IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (UP TO 50%)



(PM) SPAN 1 BEAM 4 AT BENT 1, SPALL (18IN X 18IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 2 BEAM 2 AT BENT 2, SPALL (14IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 2 CAP WEST FACE AT BAY 2, SPALL (4FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (6-1/2FTX18IN)



(PM) SPAN 2 BEAM 3 AT BENT 2, SPALL (18IN X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 2 BEAM 4 AT BENT 2, SPALL (30INX18INX4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON PRIMARY (NO MEASURABLE LOSS) AND SECONDARY (UP TO 100%)



(PM) SPAN 3 BEAM 4 SOUTH FACE AT MIDSPAN, SPALL (18FT X 18IN X 2-1/2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS, DELAMINATION WITH TRANSVERSE CRACKS



(PM) BENT 2 CAP EAST FACE, SPALL (17FT X 12IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DELAMINATION (FULL WIDTH X 15IN)



(PM) BENT 2 COLUMN 1 SOUTHEAST CORNER, SPALL (30IN X 12IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 3 BEAM 2 AT BENT 2, THREE (3) SPALLS (UP TO 16IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 3 BEAM 2 AT MIDSPAN, EIGHT (8) SPALLS AT STIRRUPS (UP TO 3FT X 5IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 3 BEAM 2 AT BENT 3, THREE (3) SPALLS (UP TO 18IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 3 CAP WEST FACE, MULTIPLE SPALLS (UP TO 3FT X 10IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 3 BEAM 3 AT BENT 3, SPALL (16IN X 20IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS ON SECONDARY (50%)



(PM) SPAN 4 BEAM 2 AT BENT 3, SPALL (18IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 4 BEAM 2 AT MIDSPAN, TWO (2) SPALLS (10IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 4 CAP WEST FACE, THREE (3) SPALLS (UP TO 4-1/2FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 4 COLUMN 1 NORTH FACE, TWO (2) SPALLS (UP TO 5-1/2FT X 10IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 4 COLUMN 1 SOUTHWEST CORNER, SPALL (4FT X 8IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 4 COLUMN 1 EAST FACE, THREE (3) SPALLS (UP TO 12FT X 14INX 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR



(PM) BENT 4 COLUMN 2 SOUTHEAST CORNER, SPALL (6FT X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 4 BEAM 4 AT BENT 4, SPALL (2FT X 6IN X 4IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 4 CAP EAST FACE, MULTIPLE SPALLS (UP TO 17FT X 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 5 BEAM 2 AT WEST HALF, SPALL (15FT X 2FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS), DEBONDED REBAR



(PM) BENT 5 CAP WEST FACE, TWO (2) SPALLS (6FT X UP TO 20IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 5 BEAM 4 AT BENT 5, MULTIPLE SPALLS (UP TO 24IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, DELAMINATION (18IN X 18IN)



(PM) BEAM 5 CAP EAST FACE, MULTIPLE SPALLS (UP TO 20IN X 12IN)



(PM) BENT 6 COLUMN 2 NORTHWEST CORNER, SPALL (2FT X 18IN X 3-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 7 CAP AT SOUTH END, TWO (2) POPOUTS (3IN X 1/2IN) WITH EXPOSED RUSTED REBAR, THREE (3) VERTICAL CRACKS (FULL HEIGHT X HAIRLINE), AND DEBRIS



(PM) SPAN 7 BEAM 2 AT 12FT FROM BENT 6, SPALL (3FT X 3FT X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 7 BEAM 4 AT BENT 6, SPALL ON BOTTOM FACE (8IN X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 7 BEAM 4 AT BENT 6, SPALL ON NORTH FACE (11IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 7 BEAM 2 AT BENT 6, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) BENT 6 CAP EAST FACE, MULTIPLE SPALLS/DELAMINATIONS (UP TO 5-1/2FT X 16IN X 2IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 7 BEAM 2 AT 12FT FROM BENT 6, MULTIPLE SPALLS (UP TO 18IN X 12IN X 1IN) WITH EXPOSED RUSTED REBAR AND SECTION LOSS, ADJACENT DELAMINATION



(PM) BENT 7 COLUMN 1 NORTHWEST CORNER AT HAUNCH, SPALL (24IN X 8IN X 4IN) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) BENT 7 COLUMN 1 NORTHWEST CORNER AT 18FT FROM BOTTOM, SPALL (34IN X 9IN X 3IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



(PM) SPAN 7 BEAM 4 AT BENT 7, SPALL (16IN X 16IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION



(PM) SPAN 8 BEAM 2 AT BENT 7, TWO (2) SPALLS (UP TO 12IN X 8IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



BENT 7 CAP EAST FACE BELOW BEAM 2, SPALL (16IN X 11IN X 2IN DEEP)



(PM) SPAN 8 BEAM 2 AT 8FT FROM BENT 7, SPALL (6IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR AND ADJACENT DELAMINATION



(PM) SPAN 10 BEAM 2 AT BENT 9, SPALL (18IN X 5IN X 2-1/2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 10 BEAM 4 AT BENT 9, SPALL (6IN DIAMETER X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR, SECTION LOSS (NO MEASURABLE LOSS)



SPAN 10 ASPHALT WEARING SURFACE RIGHT LANE AT END BENT 2, LONGITUDINAL CRACK (8FT X 1/16IN)



NORTH RAIL END POST AT END BENT 2, SPALL (18IN X 4IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



NORTH RAIL AT 16FT FROM END BENT 2, SPALL (3FT X 6IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR



SPAN 9 NORTH RAIL POST NEAR MIDSPAN, THREE (3) SPALLS (UP TO 10IN X 5IN X 1-1/2IN DEEP) WITH EXPOSED RUSTED REBAR



SPAN 10 BEAM 1 SOUTH FACE AT 10FT FROM END BENT 2, TWO (2) VERTICAL CRACKS (3FT X HAIRLINE)



END BENT 2 BAY 1 WEST FACE AND TOP OF CAP, SPALL (15IN X 7IN X 1IN DEEP) WITH DELAMINATION (3FT X 2FT)



(PM) SPAN 10 BEAM 2 SOUTH FACE AT END BENT 2, THREE (3) SPALLS (UP TO 5IN X 3IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) END BENT 2 CAP WEST FACE BELOW BEAM 2, SPALL (1FT X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) END BENT 2 CAP WEST FACE AT BEAM 3, SPALL (17IN X 15IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) END BENT 2 CAP WEST FACE BELOW BEAM 3, SPALL (7IN DIAMETER X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 10 BEAM 4 NORTH FACE AT END BENT 2, SPALL (2FT X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 10 BEAM 4 NORTH FACE AT 3FT FROM END BENT 2, SEVEN (7) SPALLS (UP TO 8IN X 3IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) END BENT 2 CAP WEST FACE BELOW BEAM 4, SPALL (8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



END BENT 2 BAY 4 CAP WEST AND TOP FACE, SPALL (3FT X 1FT X 3IN DEEP), DELAMINATION (3FT X 2FT)



END BENT 2 CAP AT SOUTH END, DEBRIS ACCUMULATION WITH VEGETATION GROWTH (4FT X 2FT X 1FT)



(PM) END BENT 1 CAP EAST FACE BELOW BEAM 2, SPALL (6IN X 4IN X 1/2IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 1 BEAM 2 SOUTH FACE AT END BENT 1, THREE (3) SPALLS (UP TO 8IN X 6IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR



(PM) SPAN 1 BEAM 4 NORTH FACE AT END BENT 1, TWO (2) SPALLS (6IN X 4IN X 1IN DEEP) WITH EXPOSED RUSTED REBAR

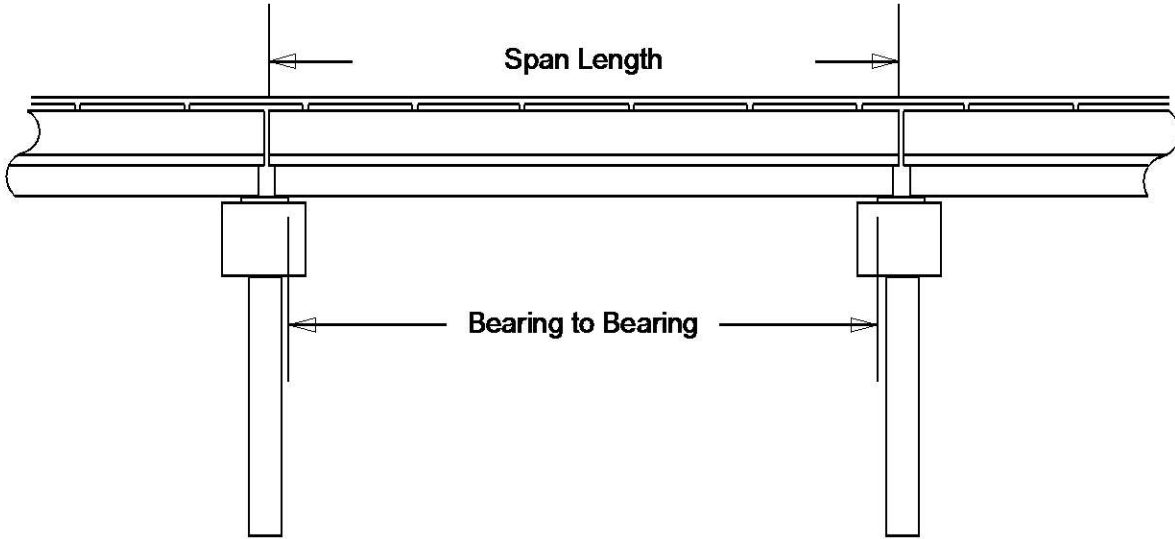


(PM) SPAN 1 BEAM 3 NORTH FACE AT END BENT 1, SPALL (10IN X 8IN X 2IN DEEP) WITH EXPOSED RUSTED REBAR

Structure Data Worksheet

Spans

County: CABARRUS Structure No: 120022 Date: 05/20/2014 Inspected By: TDG



Span No	Span Length	Bearing to Bearing	Comments
1	52.5'	50.5'	NBIS BRIDGE LENGTH = 519.0'
2	52.5'	51.5'	
3	52.5'	51.5'	
4	52.5'	51.5'	
5	52.5'	51.5'	
6	52.5'	51.5'	
7	52.5'	51.5'	
8	52.5'	51.5'	
9	52.5'	51.5'	
10	52.5'	50.5'	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 120022 County: CABARRUS Date: 05/20/2014 By: TDG

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

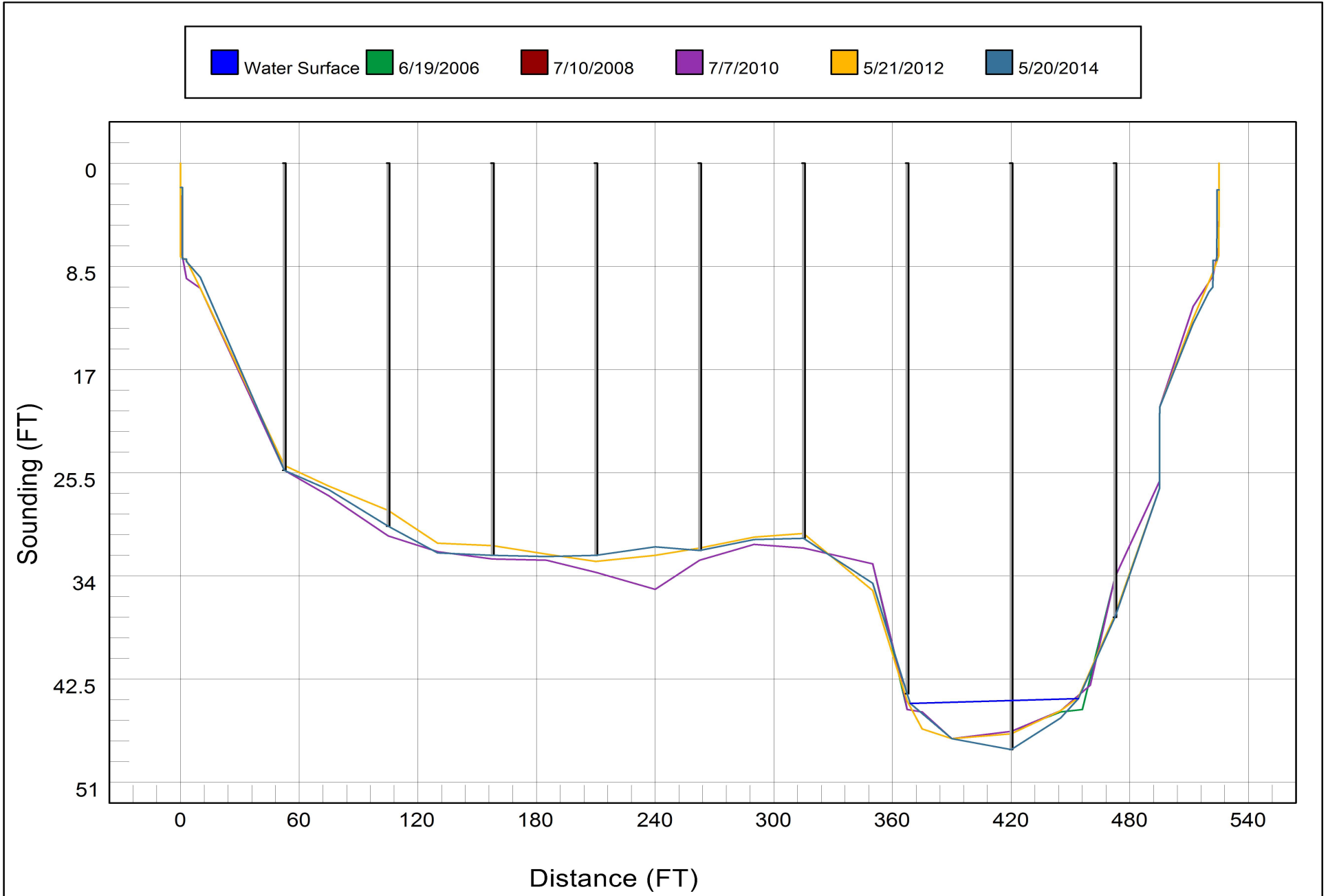
Distance from Highwater Mark to top of rail: 25 Location of Highwater Mark: GROUND LEVEL NEAR BOTTOM OF BENTS

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2	FILL FACE			
1	2	TOP OF BACKWALL			
1.01	7.9	Top of Cap			
3	7.9	Top of Cap			
3.01	8.1	GROUND AT CAP	3.01	9.4	GROUND AT CAP
10	9.4	GROUND			
52.5	25.3	BENT 1	52.5	26.3	BENT 1
75	26.9	GROUND			
105	29.9	BENT 2	105	30.7	BENT 2
130	32.1	GROUND			
157.7	32.3	BENT 3	157.7	33.2	BENT 3
185	32.4	GROUND			
210	32.3	BENT 4	210	33.9	BENT 4
240	31.6	GROUND			
262.5	31.9	BENT 5	262.5	32.8	BENT 5
290	31	GROUND			
315	30.9	BENT 6	315	31.5	BENT 6
350	34.6	GROUND			
367.41	43.7	BENT 7	367.41	44.8	BENT 7
369	44.5	Water Surface/Water Edge (WSWE)			
390	47.4	STREAMBED			
420	48.3	BENT 8	420	50	BENT 8
445	45.7	STREAMBED			
454	44.1	Water Surface/Water Edge (WSWE)			
472.5	37.4	BENT 9	472.5	34.3	BENT 9

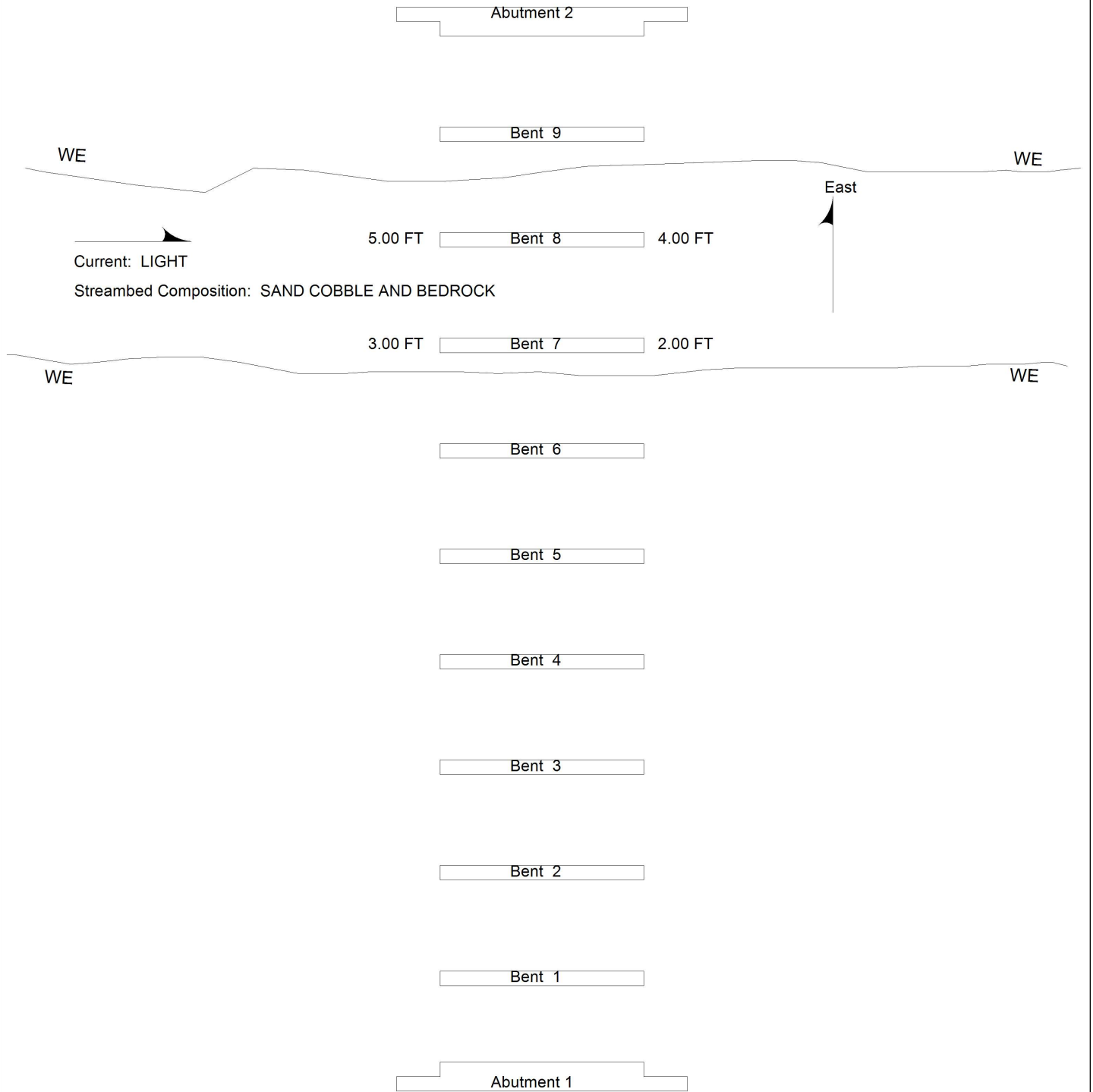
DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
495	26.8	GROUND			
495.1	20.1	GROUND			
512	13.2	GROUND			
520	10.6	GROUND			
522	10.2	GROUND AT CAP	522	9.9	GROUND AT CAP
522.1	8	Top of Cap			
524	8	Top of Cap			
524.1	2.2	TOP OF BACKWALL			
525.1	2.2	FILL FACE			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Title

PLAN VIEW

Description

PLAN VIEW

Bridge No: 120022

Drawn By: JOHN HOUSTON

Date: 07/30/2013

File Name: S0150000112

Bridge Inspection Field Sketch



Roadway	24ft Wide	2 Paved Lanes	Looking East
Left Shoulder	7ft Wide	1ft Paved	6ft Unpaved
Right Shoulder	10ft Wide	4ft Paved	6ft Unpaved
Left Median	20ft Wide		
Left Guardrail			
Right Guardrail			

Title
APPROACH ROADWAY

Description
DATA WORKSHEET

Bridge No: 120022

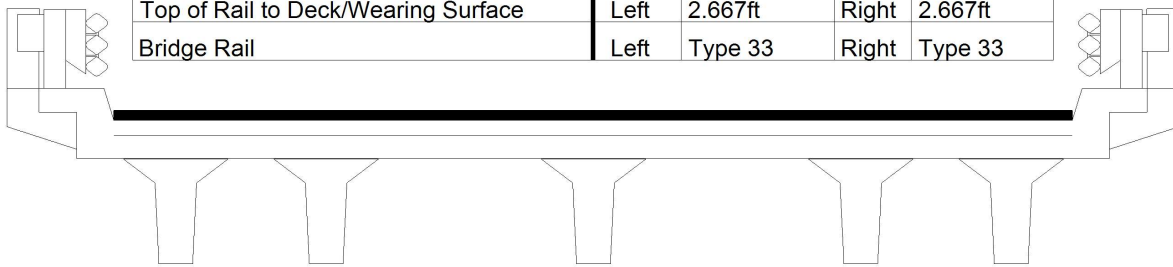
Drawn By: W. MITCHELL

Date: 05/22/2014

File Name: S0082001044

Bridge Inspection Field Sketch

Deck Width/Out to Out	31.333ft	Between Rails	28.167ft
Clear Roadway	28.167ft	Wearing Surface	0.29ft
Median Width		Median Height	
Curb Height		Left 0.833ft	Right 0.833ft
Sidewalk Width		Left	Right
Clear Roadway (Rail to Median)		Left	Right
Guardrail Width		Left 2.25ft	Right 2.25ft
Top of Rail to Deck/Wearing Surface		Left 2.667ft	Right 2.667ft
Bridge Rail		Left Type 33	Right Type 33



Measurements for Span #	1	ALL SPANS SIMILAR	
Deck Thickness	0.667ft	Left Overhang	3.167ft
Top of Rail to Bottom of Beam	6.917ft	Right Overhang	3.167ft

Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	4.5ft	
2	RC Deck Girder	8ft	
3	RC Deck Girder	8ft	
4	RC Deck Girder	4.5ft	
5	RC Deck Girder		

GIRDERS = 1.5 FT. X 4.25FT. EXTERIOR
 GIRDERS = 1.5 FT. X 3.917FT. INTERIOR

Title
 TYPICAL SECTION

Description
 DATA WORKSHEET

Bridge No: 120022

Drawn By: W. MITCHELL

Date: 05/22/2014

File Name: S0082001045

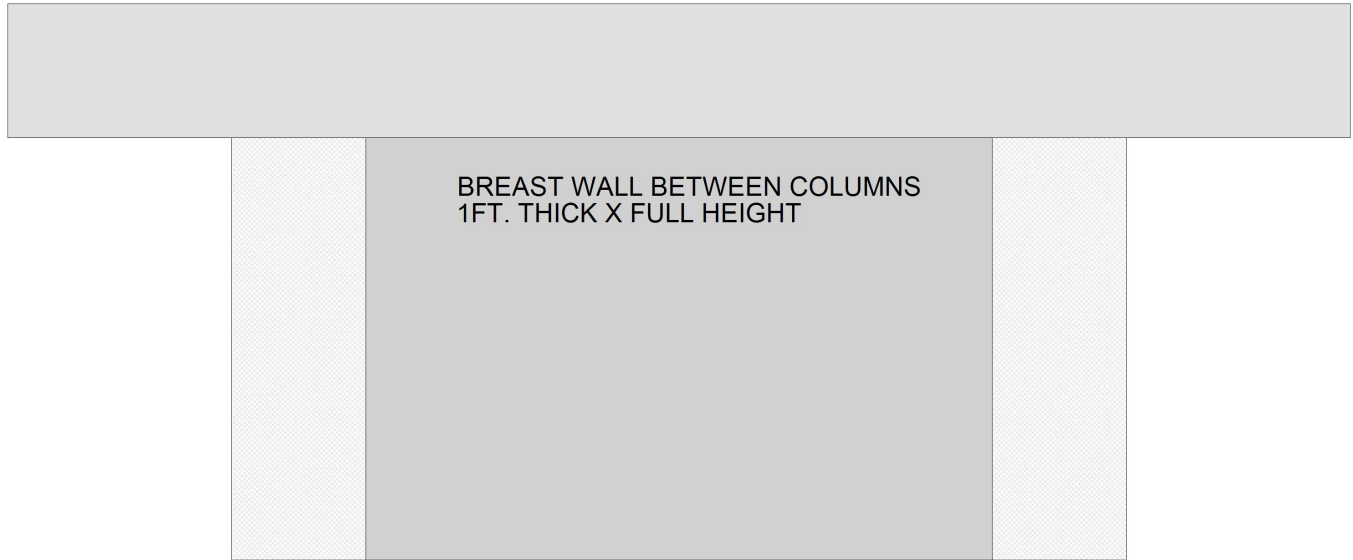
Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
30.000 ft.	3.000 ft.	3.000 ft.	6.500 ft.	6.500 ft.	1.000 ft.	1.000 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	17 ft.	3 ft.	3 ft.		Vertical	No	No	No	No
2	Concrete		3 ft.	3 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents: 2,3,4,5,6 & 9							

Title PIERS 1,2,3,4,5,6 & 9				Description DATA WORKSHEET			
Bridge No: 120022	Drawn By: W. MITCHELL			Date: 07/07/2010		File Name: S0082002205	

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
30.000 ft.	3.000 ft.	3.000 ft.	6.500 ft.	6.500 ft.	1.000 ft.	1.000 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	17 ft.	3 ft.	3 ft.		Vertical	No	No	No	No
2	Concrete		3 ft.	3 ft.		Vertical	No	No	No	No
Bent/Abutment #: 7			Similar Bents: 8		VERIFIED BY: T. GRAHAM 5/20/2014					

Title
PIERS 7 & 8

Description
DATA WORKSHEET

Bridge No: 120022

Drawn By: STEVE AUSTIN

Date: 7/07/2010

File Name: S0082002206



BENT 2



BENT 4



BENT 3



UNDERSIDE OF DECK BAY 1 INTERIOR DIAPHRAGM (SIMILAR AT BAY 5)



END DIAPHRAGM



BENT 1



BENT 5



BENT 6



BENT 7



UNDERSIDE OF DECK



BENT 9



BENT 8



DOWNSTREAM PROFILE, LOOKING NORTH



EAST APPROACH LOOKING WEST



BRIDGE POSTING



SOUTHWEST GUARDRAIL



SOUTHWEST GUARDRAIL TERMINATION



NORTHWEST GUARDRAIL TERMINATION



NORTHWEST GUARDRAIL



NORTHWEST WINGWALL



BRIDGE PLAQUE



SOUTHEAST GUARDRAIL



SOUTHEAST GUARDRAIL TERMINATION



UPSTREAM PROFILE, LOOKING SOUTH



NORTHEAST GUARDRAIL



NORTHEAST GUARDRAIL TERMINATION



ASPHALT WEARING SURFACE AT SPAN 10



SOUTH BARRIER RAIL



NORTH BARRIER RAIL



LOOKING DOWNSTREAM, SOUTH



LOOKING UPSTREAM, NORTH



WEST APPROACH LOOKING EAST



NORTHEAST EARWALL



END BENT 2



SOUTHEAST WINGWALL



END BENT 1



SOUTHWEST WINGWALL



INTERIOR DIAPHRAGM



END DIAPHRAGM



UNDERSIDE OF DECK AT SPAN 2