



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PMN'S ISSUED FOR DECK, SUBSTRUCTURE & APPROACH ROADWAY...

Structure Safety Report

Routine Element Inspection

COUNTY: ALLEGHANY STRUCTURE NUMBER: 020142 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1319 MILE POST:

LOCATION: .5 MI.S.JCT.SR1317

FEATURE INTERSECTED: POTATO CREEK

LATITUDE: 36° 33' 1.52" LONGITUDE: 81° 15' 50.21"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS

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

1 @ 23' - 8"

SPANS: 1 @ 23'-8

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

PRESENT CONDITION: Poor INSPECTION DATE: 08/09/2016

POSTED SV: 13 POSTED TTST: 19

OTHER SIGNS PRESENT: 4 DELINEATORS



SOUTH TO NORTH

Sign noticed issued for	Number Required
NO WEIGHT LIMIT	0
NO DELINEATORS	0
NO NARROW BRIDGE	0
NO ONE LANE BRIDGE	0
NO LOW CLEARANCE	0

INSPECTED BY ANDREW GLASCO	SIGNATURE 	ASSISTED BY MAX FORD
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Structure Element Scoring

Structure Number: 020142

Inspection Date 8/9/2016

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31	0	Timber Deck	Deck	476	372	0	104	0
107	0	Steel Open Girder/Beam	Beam	216	216	0	0	0
515	107	Steel Protective Coating	Beam	720	504	216	0	0
216	0	Timber Abutment	Abutments	60	50	0	10	0
228	0	Timber Pile	Piles and Columns	8	8	0	0	0
235	0	Timber Pier Cap	Caps	40	38	0	2	0
332	0	Timber Bridge Railing	Bridge Rail	48	48	0	0	0
510	0	Wearing Surface	Wearing Surfaces	452	452	0	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 020142

Inspection Date: 08/09/2016

MMS Code	Element Name	Defect Name	Recommended Quantity
3324	Timber Deck	Decay/Section Loss	104 Square Feet
3346	Timber Abutment	Decay/Section Loss	10 Feet
3344	Timber Pier Cap	Decay/Section Loss	2 Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	216 Square Feet

Element Structure Maintenance Quantities

Structure Number: 020142

Inspection Date 08/09/2016

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	10	60	0	10	0	50
Beam	3314	Maintenance Steel Superstructure Components	0	216	0	0	0	216
Beam	3342	Clean and Paint Steel	216	720	0	0	216	504
Bridge Rail	3316	Maintenance of Timber Bridge Rail	0	48	0	0	0	48
Caps	3344	Maintenance To Timber Substrcutre	2	40	0	2	0	38
Deck	3324	Maintenance of Timber Deck Components	104	476	0	104	0	372
Piles and Columns	3344	Maintenance To Timber Substrcutre	0	8	0	0	0	8
Wearing Surfaces	2816	Asphalt Surface Repair	0	452	0	0	0	452

Element Condition and Maintenance Data

Structure Number: 020142

Inspection Date: 08/09/2016

Span 1	Deck
Timber Deck	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	476	372	0	104	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Decay/Section Loss	(1) DECK BOARD MISSING MATERIAL AND DECAYED FULL WIDTH OF DECK (+/- 20' L) (+/- 10') FROM ABUT. (A) IN RIGHT WHEEL PATH	3	20	20	Square Feet
31	Decay/Section Loss	BEAM (2) NAILER DECAYED AND SPLIT FULL LENGTH ALONG BEAM	3	24	24	Square Feet
31	Decay/Section Loss	BEAM (4) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 19') TO ABUT. (B)	3	19	19	Square Feet
31	Decay/Section Loss	BEAM (5) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 5 LF)	3	5	5	Square Feet
31	Decay/Section Loss	BEAM (6) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 5 LF)	3	5	5	Square Feet
31	Decay/Section Loss	BEAM (7) NAILER DECAYED AND SPLIT FULL LENGTH ALONG EDGE OF BEAM	3	24	24	Square Feet
31	Decay/Section Loss	BEAM (8) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 4 LF)	3	4	4	Square Feet
31	Decay/Section Loss	BEAM (9) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 3 LF)	3	3	3	Square Feet

General Comments

Span 1	Beam 1
Plate Girder	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	24	0	0	0	Feet
515	Steel Protective Coating	80	56	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24	Square Feet

General Comments

Span 1	Beam 2
Plate Girder	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	24	0	0	0	Feet
515	Steel Protective Coating	80	56	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE, ALL BEAMS SIMILAR.	2	24	24	Square Feet

General Comments

Span 1**Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack MISSING PAINT FULL LENGTH ALONG TOP FLANGE ing (steel Protective Coatings)		2	24	24 Square Feet
General Comments					

Span 1**Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack ing (steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24 Square Feet
General Comments					

Span 1**Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack ing (Steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24 Square Feet
General Comments					

Span 1**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack ing (steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24 Square Feet
General Comments					

Span 1**Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack ing (steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24 Square Feet
General Comments					

Span 1**Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack ing (Steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24 Square Feet
General Comments					

Span 1**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	24	24	0	0	0 Feet
515	Steel Protective Coating	80	56	24	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
515	Peeling/Bubbling/Crack ing (steel Protective Coatings)	MISSING PAINT FULL LENGTH ALONG TOP FLANGE	2	24	24 Square Feet
General Comments					

End Bent 1**Abutment****Timber Abutment**

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
216	Timber Abutment		30	20	0	10	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
216	Decay/Section Loss	ABUT. (A) (1) TIMBER BULKHEAD BOARD DECAYED AND MISSING WITH LOSS OF FILL, RIGHT END OF ABUT. (A) AND EXTENDS TO POST 3 , CAUSING EROSION HOLE IN APPROACH ROADWAY	3	10	10 Feet
General Comments					

Structure Number: 020142Inspection Date: 08/09/2016**End Bent 1****Timber Pier Cap 1****Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	20	18	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Decay/Section Loss	LEFT END ABUT. (A) CAP DECAYED ALONG TOP CENTER AND EXTENDS UNDER BEAM (1) BEARING OVER TO BEAM (2) (+/- 4" W X 3" D X 2' L)	3	2	2	Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	476
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	24
Span 1	Left Bridge Rail	Timber Rail	Timber Bridge Railing	24
Span 1	Right Bridge Rail	Timber Rail	Timber Bridge Railing	24
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	452
End Bent 1		Timber Pier Cap	Timber Pier Cap	20
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1	Pile 2	Timber Pile	Timber Pile	1
End Bent 1	Pile 3	Timber Pile	Timber Pile	1
End Bent 1	Pile 4	Timber Pile	Timber Pile	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	30
End Bent 2		Timber Pier Cap	Timber Pier Cap	20
End Bent 2	Pile 1	Timber Pile	Timber Pile	1
End Bent 2	Pile 2	Timber Pile	Timber Pile	1
End Bent 2	Pile 3	Timber Pile	Timber Pile	1
End Bent 2	Pile 4	Timber Pile	Timber Pile	1
End Bent 2	Abutment	Timber Abutment	Timber Abutment	30

National Bridge and NC Inspection Items

Structure Number: 020142

Inspection Date: 08/09/2016

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	4
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	4
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	476	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		L		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	10		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	6
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 020142

Inspection Date: 08/09/2016

Item	Deck - Item 58	Grade	4	Maint Code		Qty.	0
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Details PMN'S ISSUED FOR DECK...

Item	Substructure - Item 60	Grade	4	Maint Code		Qty.	0
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Details PMN'S ISSUED FOR SUBSTRUCTURE...

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
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Details PMN'S ISSUED FOR DECK, SUBSTRUCTURE & APPROACH ROADWAY...

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	476
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Details EXCESS GRAVEL ALONG ENTIRE WEARING SURFACE (+/- 476 SF)



EXCESS GRAVEL ALONG ENTIRE WEARING SURFACE (+/- 476 SF)



SOUTH EAST APPROACH ROADWAY EROSION BEHIND ABUT. (A) (+/- 1' DIA. X 4' D) IN RIGHT EDGE OF ROADWAY, DUE TO MISSING TIMBER ABUT. BOARD



SOUTH EAST APPROACH ROADWAY EROSION BEHIND ABUT. (A) (+/- 1' DIA. X 4' D) IN RIGHT EDGE OF ROADWAY, DUE TO MISSING TIMBER ABUT. BOARD



Span 1 Deck: (1) DECK BOARD MISSING MATERIAL AND DECAYED FULL WIDTH OF DECK (+/- 20' L) (+/- 10') FROM ABUT. (A) IN RIGHT WHEEL PATH



End Bent 1 Abutment/Backwall : ABUT. (A) (1) TIMBER BULKHEAD BOARD DECAYED AND MISSING WITH LOSS OF FILL, RIGHT END OF ABUT. (A) AND EXTENDS TO POST 3 , CAUSING EROSION HOLE IN APPROACH ROADWAY



End Bent 1 Abutment/Backwall : ABUT. (A) (1) TIMBER BULKHEAD BOARD DECAYED AND MISSING WITH LOSS OF FILL, RIGHT END OF ABUT. (A) AND EXTENDS TO POST 3 , CAUSING EROSION HOLE IN APPROACH ROADWAY



Bent 1 Cap 1: LEFT END ABUT. (A) CAP DECAYED ALONG TOP CENTER AND EXTENDS UNDER BEAM (1) BEARING OVER TO BEAM (2) (+/- 4" W X 3" D X 2' L)



Bent 1 Cap 1: LEFT END ABUT. (A) CAP DECAYED ALONG TOP CENTER AND EXTENDS UNDER BEAM (1) BEARING OVER TO BEAM (2) (+/- 4" W X 3" D X 2' L)



Span 1 Beam 2: MISSING PAINT FULL LENGTH ALONG TOP FLANGE, ALL BEAMS SIMILAR.



Span 1 Deck: BEAM (2) NAILER DECAYED AND SPLIT FULL LENGTH ALONG BEAM



Span 1 Deck: BEAM (4) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 19') TO ABUT. (B)



Span 1 Deck: BEAM (5) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 5 LF)



Span 1 Deck: BEAM (6) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 5 LF)



Span 1 Deck: BEAM (7) NAILER DECAYED AND SPLIT FULL LENGTH ALONG EDGE OF BEAM



Span 1 Deck: BEAM (8) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 4 LF)



Span 1 Deck: BEAM (9) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 3 LF)



POSTING



UPSTREAM



SOUTH TO NORTH



DOWNSTREAM



LOOKING SOUTH



EAST PROFILE



ABUTMENT B



ABUTMENT A



NO BEARING, ALL SIMILAR



WEST PROFILE

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

Run Date: 09/19/2016

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	020142	SUFFICIENCY RATING =		39.3
(8) STRUCTURE NUMBER(FEDERAL)	000000000050142	STATUS =		Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31013190				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	1	CLASSIFICATION		CODE	
(3) COUNTY CODE 5 (4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - POTATO CREEK		(104)HIGHWAY SYSTEM Is not on NHS		0	
(7) FACILITY CARRIED SR1319		(26) FUNCTIONAL CLASS - Local		09	
(9) LOCATION .5 MI.S.JCT.SR1317		(100)STRAHNET HIGHWAY - Not a STRAHNET Route		0	
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure		N	
(16)LAT 36° 33' 1.52" (17)LONG 81° 15' 50.21"		(102)DIRECTION OF TRAFFIC - 2-way Traffic		2	
(98)BORDER BRIDGE STATE CODE	PCT SHARE	(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO		(110)DESIGNATED NATIONAL NETWORK - Not on the National Network		0	
		(20) TOLL On Free Road		3	
		(31) MAINTAIN - State Highway Agency		01	
		(22) OWNER - State Highway Agency		01	
		(37) HISTORICAL SIGNIFICANCE - Not Eligible		5	
STRUCTURE TYPE AND MATERIAL					
(43) STRUCTURE TYPE MAIN: Steel					
TYPE - Stringer Mutlibeam or Girder	CODE	302			
(44) STRUCTURE TYPE APPR :					
TYPE -	CODE	000	CONDITION		CODE
(45) NUMBER OF SPANS IN MAIN UNIT	1	(58) DECK	4		
(46) NUMBER OF APPROACH SPANS		(59) SUPERSTRUCTURE	5		
(107)DECK STRUCTURE TYPE - 8	CODE	(60) SUBSTRUCTURE	4		
(108)WEARING SURFACE / PROTECTIVE SYSTEM :		(61) CHANNEL & CHANNEL PROTECTION	7		
(A) TYPE OF WEARING SURFACE -	CODE	(62) CULVERTS	N		
(B) TYPE OF MEMBRANE -	CODE				
(C) TYPE OF DECK PROTECTION -	CODE	LOAD RATING AND POSTING		CODE	
		(31) DESIGN LOAD Unknown		0	
		(63) OPERATING RATING METHOD - Load Factor		1	
		(64) OPERATING RATING - HS-13		23	
		(65) INVENTORY RATING METHOD - Load Factor		1	
		(66) INVENTORY RATING - HS-8		14	
		(70) BRIDGE POSTING - Posting Required		0	
		(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
		DESCRIPTION - Posted for Load			
AGE AND SERVICE				APPRAISAL	
(27) YEAR BUILT	1960	(67) STRUCTURAL EVALUATION		4	
(106)YEAR RECONSTRUCTED		(68) DECK GEOMETRY		4	
(42) TYPE OF SERVICE : ON - Highway		(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER - Waterway	CODE	15	(71) WATERWAY ADEQUACY		7
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0	(72) APPROACH ROADWAY ALIGNMENT		8	
(29) AVERAGE DAILY TRAFFIC	30	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT 2000 (109) TRUCK ADT PCT	%	(113)SCOUR CRITICAL BRIDGES		U	
(19) BYPASS OR DETOUR LENGTH	4 MI				
GEOMETRIC DATA					
(48) LENGTH OF MAXIMUM SPAN	22 FT	(75) TYPE OF WORK - CODE			
(49) STRUCTURE LENGTH	24 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT		(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	19.083 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT	20.083 FT	(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	14 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN - No Median	CODE	0	(114)FUTURE ADT 60 (115) YEAR FUTURE ADT 2025		
(34) SKEW 3° (35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT	INSPECTIONS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	19.083 FT	(90) INSPECTION DATE 08/09/2016			
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT	(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE			
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT	A) FRACTURE CRIT DETAIL - NO A)			
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT	B) UNDERWATER INSP - NO B)			
(56) MIN LAT UNDERCLEAR LT REF -	000 FT	C) OTHER SPECIAL INSP NO C)			
NAVIGATION DATA					
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0	SCOUR		
(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: 09/19/2016

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ALLEGHANY	11	1	020142	24	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1319	POTATO CREEK

LOCATED :	BRIDGE NAME :	CITY :
.5 MI.S.JCT.SR1317		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	30 2000	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1960	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	87	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		6 FT		1		FT

SUPERSTRUCTURE :	TIMBER FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CENTERS
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SPANS :	1 @ 23'-8
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BEAMS OR GIRDERS :	9 LINES 10 I-BEAMS @ 2'-4 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/.25 AWS		20.083 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
19.083 FT	19.833 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :				
HS-8	HS-13	Int.bms	SV 13	TTST 19	DATE	12/16/2008	

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3324	Maint / Repair / Replace Timber Deck Components	SF	20	Span 1 Deck: (1) DECK BOARD MISSING MATERIAL AND DECAYED FULL WIDTH OF DECK (+/- 20' L) (+/- 10') FROM ABUT. (A) IN RIGHT WHEEL PATH	
 3324	Maint / Repair / Replace Timber Deck Components	SF	24	Span 1 Deck: BEAM (2) NAILER DECAYED AND SPLIT FULL LENGTH ALONG BEAM	
 3324	Maint / Repair / Replace Timber Deck Components	SF	19	Span 1 Deck: BEAM (4) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 19') TO ABUT. (B)	
 3324	Maint / Repair / Replace Timber Deck Components	SF	5	Span 1 Deck: BEAM (5) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 5 LF)	
 3324	Maint / Repair / Replace Timber Deck Components	SF	5	Span 1 Deck: BEAM (6) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 5 LF)	
 3324	Maint / Repair / Replace Timber Deck Components	SF	24	Span 1 Deck: BEAM (7) NAILER DECAYED AND SPLIT FULL LENGTH ALONG EDGE OF BEAM	
 3324	Maint / Repair / Replace Timber Deck Components	SF	4	Span 1 Deck: BEAM (8) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 4 LF)	
 3324	Maint / Repair / Replace Timber Deck Components	SF	3	Span 1 Deck: BEAM (9) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 3 LF)	
 3344	Repair / Replace Timber Substructure Components	LF	2	Bent 1 Cap 1: LEFT END ABUT. (A) CAP DECAYED ALONG TOP CENTER AND EXTENDS UNDER BEAM (1) BEARING OVER TO BEAM (2) (+/- 4" W X 3" D X 2' L)	
 3346	Repair / Maintain Timber Wings & Blkhds	SF	10	End Bent 1 Abutment/Backwall : ABUT. (A) (1) TIMBER BULKHEAD BOARD DECAYED AND MISSING WITH LOSS OF FILL, RIGHT END OF ABUT. (A) AND EXTENDS TO POST 3 , CAUSING EROSION HOLE IN APPROACH ROADWAY	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3352	Maint Slope Protection	SF	4	SOUTH EAST APPROACH ROADWAY EROSION BEHIND ABUT. (A) (+/- 1' DIA. X 4' D) IN RIGHT EDGE OF ROADWAY, DUE TO MISSING TIMBER ABUTMENT BOARD	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	20 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: (1) DECK BOARD MISSING MATERIAL AND DECAYED FULL WIDTH OF DECK (+/- 20' L) (+/- 10') FROM ABUT. (A) IN RIGHT WHEEL PATH		

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	24 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (2) NAILER DECAYED AND SPLIT FULL LENGTH ALONG BEAM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	19 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (4) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 19') TO ABUT. (B)		

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	5 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (5) NAILER DECAYED AND SPLIT (5') FROM ABUT. (A) AND EXTENDS (+/- 5 LF)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	5 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (6) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 5 LF)		

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	24 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (7) NAILER DECAYED AND SPLIT FULL LENGTH ALONG EDGE OF BEAM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	4 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (8) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 4 LF)		

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	3 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Span 1 Deck: BEAM (9) NAILER DECAYED FROM ABUT. (A) AND EXTENDS (+/- 3 LF)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020142

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
Bent 1 Cap 1: LEFT END ABUT. (A) CAP DECAYED ALONG TOP CENTER AND EXTENDS UNDER BEAM (1) BEARING OVER TO BEAM (2) (+/- 4" W X 3" D X 2' L)		

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhds	10 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	
Details		
End Bent 1 Abutment/Backwall : ABUT. (A) (1) TIMBER BULKHEAD BOARD DECAYED AND MISSING WITH LOSS OF FILL, RIGHT END OF ABUT. (A) AND EXTENDS TO POST 3 , CAUSING EROSION HOLE IN APPROACH ROADWAY		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020142 County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	4 SF
Location:		
Slope	Bent/Span No. 1	SOUTH APPROACH ROADWAY
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
08/09/2016	ANDREW GLASCO	MAX FORD
Details		
SOUTH EAST APPROACH ROADWAY EROSION BEHIND ABUT. (A) (+/- 1' DIA. X 4' D) IN RIGHT EDGE OF ROADWAY, DUE TO MISSING TIMBER ABUTMENT BOARD		



SOUTH EAST APPROACH ROADWAY EROSION BEHIND ABUT. (A) (+/- 1' DIA. X 4' D) IN RIGHT EDGE OF ROADWAY

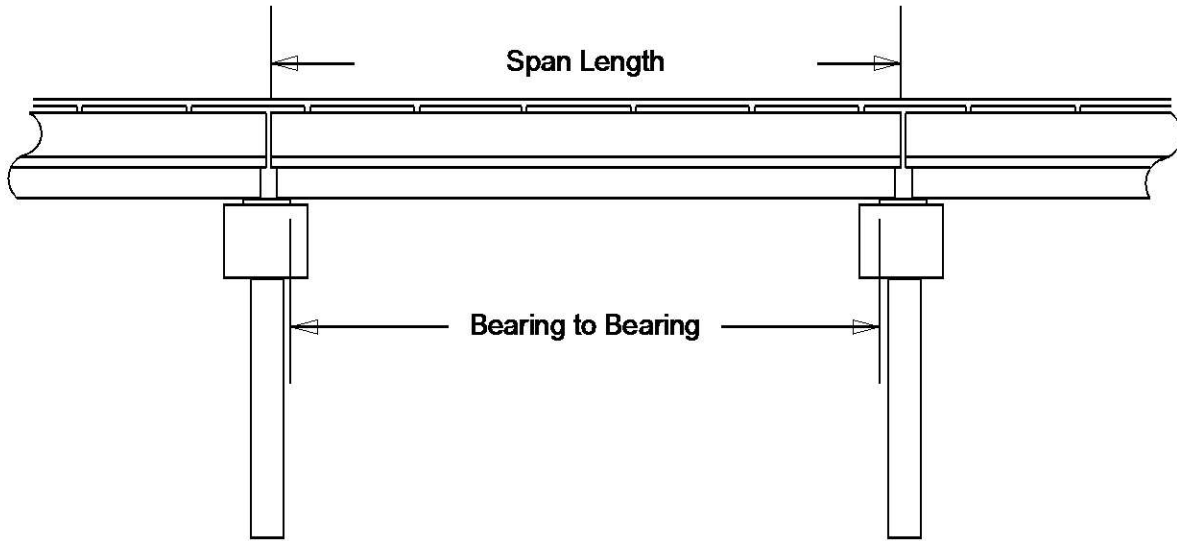


SOUTH EAST APPROACH ROADWAY EROSION BEHIND ABUT. (A) (+/- 1' DIA. X 4' D) IN RIGHT EDGE OF ROADWAY, DUE TO MISSING TIMBER ABUT. BOARD

Structure Data Worksheet

Spans

County: ALLEGHANY Structure No: 020142 Date: Inspected By: AG



Span No	Span Length	Bearing to Bearing	Comments
1	23.667	22.333	FACE OF ABUT. CAP TO FACE OF ABUT. CAP = 21.5'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 020142 County: ALLEGHANY Date: By: AG

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

Distance from Highwater Mark to top of rail: _____ Location of Highwater Mark: _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.9	TOP OF WINGWALL			
1	4.5	Top of Cap			
1.1	7.3	GROUND AT CAP	1.1	8	GROUND AT CAP
5	8.3	GROUND			
10.5	8.5	Water Surface/Water Edge (WSWE)			
15	9	STREAMBED			
20	9	STREAMBED			
23	8.9	STREAMBED AT CAP	23	9	STREAMBED AT CAP
23.1	8.5	Water Surface/Water Edge (WSWE)			
23.3	2.9	TOP OF WINGWALL			

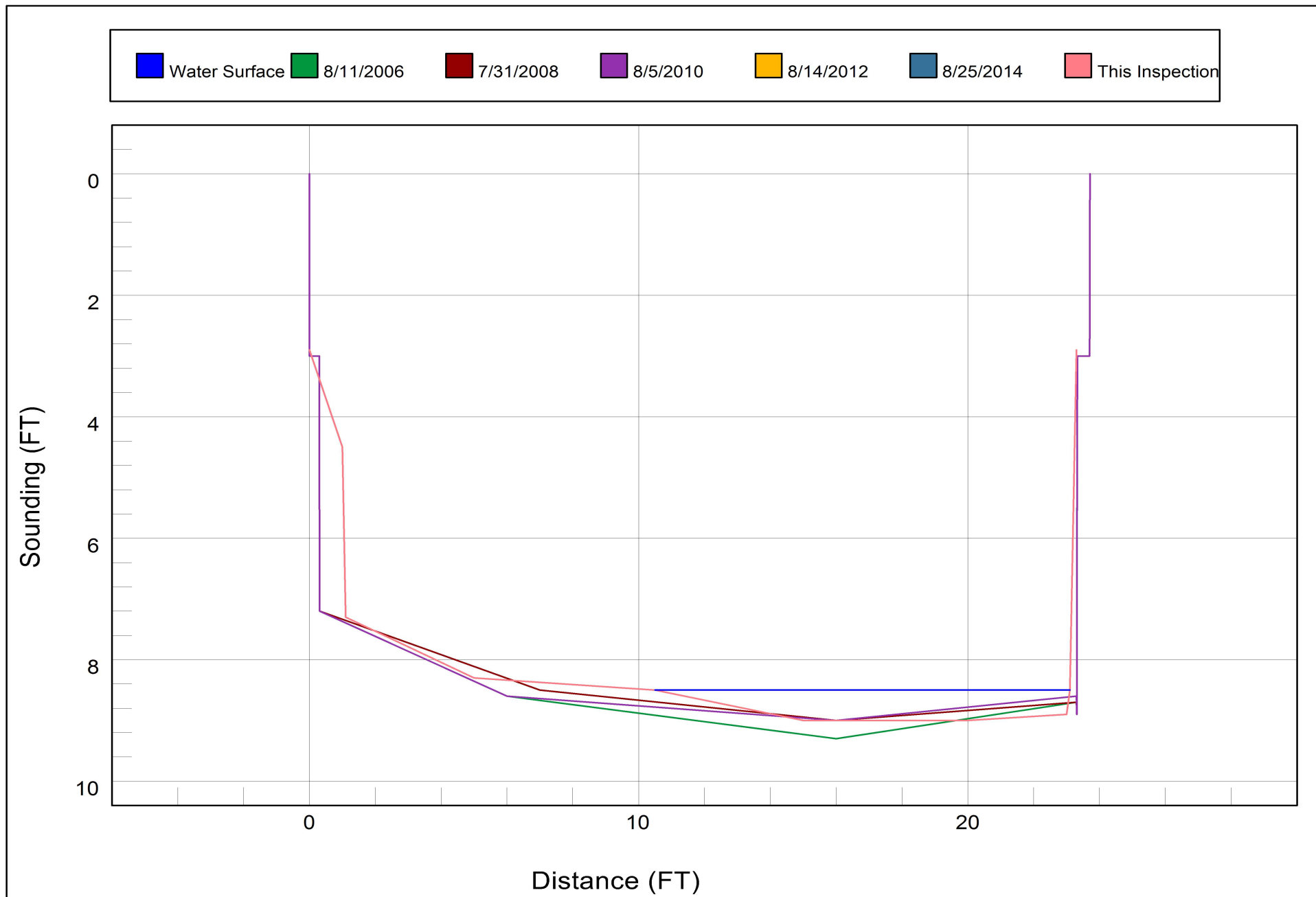
Bridge: 020142

County ALLEGHANY

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

VERIFIED 8/9/2016 A. GLASCO, M. FORD



Roadway	14ft Wide	2 Unpaved Lanes	Looking North
Left Shoulder	1ft Wide		1ft Unpaved
Right Shoulder	1ft Wide		1ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY

Description

LOOKING NORTH

Bridge No: 020142

Drawn By: G.R.R.

Date: 07/31/2008

File Name: S0130001067

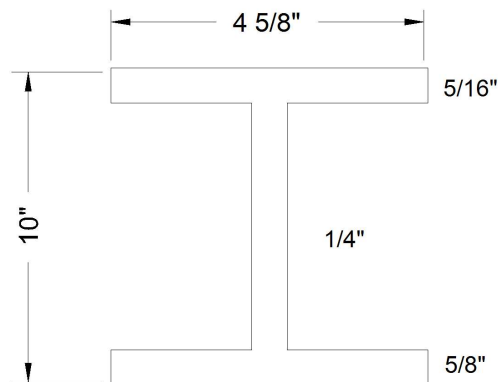
Bridge Inspection Field Sketch

VERIFIED 8/9/2016 A. GLASCO, M. FORD

Deck Width/Out to Out	20.083ft	Wearing Surface	0.021ft
Between Rails	19.833ft	Median Width	
Curb Height	0.709ft	Median Height	
Top Rail to Deck/Wearing Surface	2.917ft	Left Guardrail Width	0.479ft
Clear Roadway	19.083ft	Right Guardrail Width	0.479ft
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22

Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.667
Top of Rail to Bottom of Beam	4.500	Right Overhang	0.750

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.333ft	
2	Steel I Beam	2.333ft	
3	Steel I Beam	2.333ft	
4	Steel I Beam	2.333ft	
5	Steel I Beam	2.333ft	
6	Steel I Beam	2.333ft	
7	Steel I Beam	2.333ft	
8	Steel I Beam	2.333ft	
9	Steel I Beam		



Title

SUPER.

Description

SUPER.

Bridge No: 020142

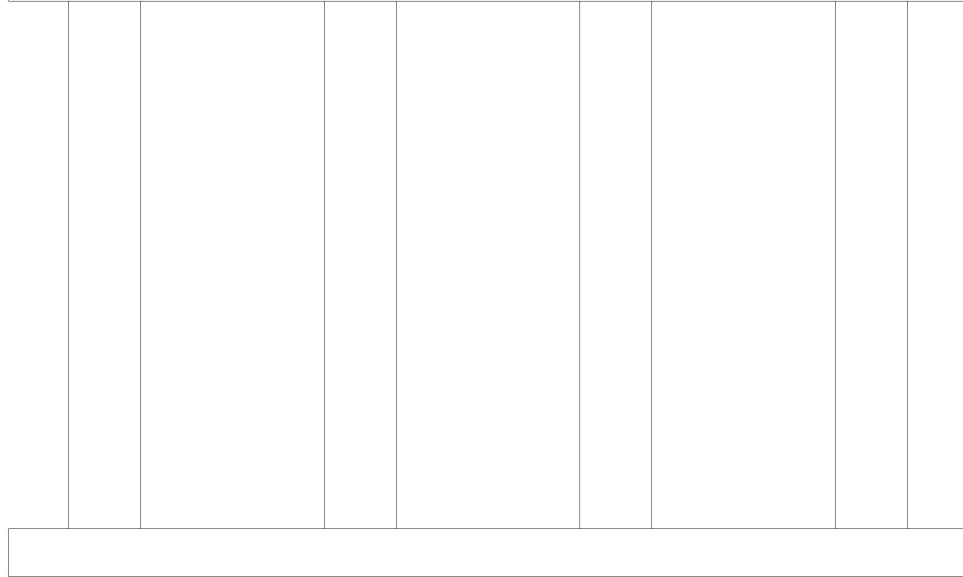
Drawn By: DCW

Date: 07/31/2008

File Name: S0126000968

Bridge Inspection Field Sketch

VERIFIED 8/9/2016 A. GLASCO, M. FORD



End Bents #	1 & 2		
Cap - Beam Type (Wood)			
Cap Size	20.000ft Long	0.833ft Wide	0.812ft High
Left Overhang	1.417ft	Lt Cap/Beam Overhang	0.667ft
Right Overhang	1.417ft	Rt Cap/Beam Overhang	0.667ft
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5.583ft		0.833ft	0.813ft	Vertical
2	Wood or Timber	Post and Sills	6.000ft		0.833ft	0.813ft	Vertical
3	Wood or Timber	Post and Sills	5.583ft		0.833ft	0.813ft	Vertical
4	Wood or Timber	Post and Sills			0.833ft	0.813ft	Vertical

Title

END BENT PROFILE

Description

END BENTS 1 AND 2

Bridge No: 020142

Drawn By: G.R.R.

Date: 07/31/2008

File Name: S0130001068