NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE, TEMPORARY SHORING

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: SURRY STRUCTURE NUMBER: 850012 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1122 MILE POST:

LOCATION: .8 MI.E.JCT.SR1129

FEATURE INTERSECTED: SNOW CREEK

LATITUDE: 36° 19' 49.83" LONGITUDE: 80° 46' 17.63"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:TIM.CAPS/TIM.POST&SILLS;BTS:TIM.CAP/TIM.PILES

1 @ 40'-3"; 1 @ 40'; 1 @ 40'-3"

SPANS: 1 @ 40'-3; 1 @ 40'; 1 @ 40'-3

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

PRESENT CONDITION: Poor INSPECTION DATE: 12/02/2015

POSTED SV: 21 POSTED TTST: 26

OTHER SIGNS PRESENT: 4 DELINEATORS



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

WEST APPROACH LOOKING EAST

INSPECTED BY	SIGNATURE	ASSISTED BY
H.W. HICKS, JR.		T.L. GOINS

BRIDGE I & A FORM 1(97) AA SHEET 1 AA

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

BRIDGE: 850012 COUNTY: SURRY DATE: 6/24/08

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

	CODE	BY
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	T	TSE
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	5	TSE 1/26/09
S I & A ITEM 64 OPERATING RATING HS ~~0.0~~ 01	BM 03/31/2010	
S I & A ITEM 66 - INVENTORY RATING HS ~~0.0~~ 01	BM	

COMMENTS

pile 4 of pier one, and pile 2 of pier 2 encased in concrete.

NOT TEMP TMS 01/05/16

Revised 11/7/2006

Span Element Report

Structure Number: 850012 Inspection Date: 12/02/2015

Span Number 1 Span Length 40.25 Feet Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	970	970	0	0	0	0	3324
107		Steel Open Girder/Beam	400	3	0	157	240	397	3314
515	107	Steel Protective Coating	2260	1040	0	0	1220	1220	3342
216		Timber Abutment	35	27	8	0	0	8	3346
228		Timber Pile	5	0	5	0	0	5	3344
235		Timber Pier Cap	25	25	0	0	0	0	3344
330		Metal Bridge Railing	82	82	0	0	0	0	3322
515	330	Steel Protective Coating	162	162	0	0	0	0	3342
510		Wearing Surface	966	266	0	700	0	700	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2 Span Length 40 Feet Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	964	964	0	0	0	0	3324
107		Steel Open Girder/Beam	400	50	30	320	0	350	3314
515	107	Steel Protective Coating	2260	1385	0	240	635	875	3342
228		Timber Pile	5	0	5	0	0	8	3344
235		Timber Pier Cap	25	25	0	0	0	0	3344
330		Metal Bridge Railing	80	80	0	0	0	0	3322
515	330	Steel Protective Coating	160	160	0	0	0	0	3342
510		Wearing Surface	960	310	0	650	0	650	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 3 Span Length 40.25 Feet Number of Beams/Girders: 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	970	945	25	0	0	25	3324
107		Steel Open Girder/Beam	400	25	15	200	160	375	3314
515	107	Steel Protective Coating	2260	1350	0	80	830	910	3342
216		Timber Abutment	35	15	0	20	0	20	3346
228		Timber Pile	10	0	10	0	0	10	3344
235		Timber Pier Cap	50	50	0	0	0	0	3344
330		Metal Bridge Railing	82	77	0	5	0	5	3322
515	330	Steel Protective Coating	162	162	0	0	0	0	3342
510		Wearing Surface	966	286	0	680	0	680	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantites

Structure Number: 850012 Inspection Date: 12/02/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	970	970	0	0	0	0	3324	☐ Requested
☑ Bridge Rail	1	330	Metal Bridge Railing	41	41	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	81	81	0	0	0	0	3342	
☑ Bridge Rail	2	330	Metal Bridge Railing	41	41	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	81	81	0	0	0	0	3342	
☑ Wearing Surfaces		510	Wearing Surface	966	266	0	700	0	700	2816	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	1	0	39	0	39	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	111	0	0	115	115	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	1	0	39	0	39	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	121	0	0	105	105	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	1	0	39	0	39	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	116	0	0	110	110	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	106	0	0	120	120	3342	
☑ Beam	5	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	121	0	0	105	105	3342	
☑ Beam	6	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	101	0	0	125	125	3342	
☑ Beam	7	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	101	0	0	125	125	3342	
☑ Beam	8	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	106	0	0	120	120	3342	
☑ Beam	9	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	101	0	0	125	125	3342	
☑ Beam	10	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	56	0	0	170	170	3342	

Structure Number: 850012 Inspection Date: 12/02/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	964	964	0	0	0	0	3324	☐ Requested
☑ Bridge Rail	1	330	Metal Bridge Railing	40	40	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	80	80	0	0	0	0	3342	
☑ Bridge Rail	2	330	Metal Bridge Railing	40	40	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	80	80	0	0	0	0	3342	
☑ Wearing Surfaces		510	Wearing Surface	960	310	0	650	0	650	2816	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	25	15	0	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	226	106	0	120	0	120	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	25	15	0	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	226	106	0	120	0	120	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	126	0	0	100	100	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	151	0	0	75	75	3342	
☑ Beam	5	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	151	0	0	75	75	3342	
☑ Beam	6	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	146	0	0	80	80	3342	
☑ Beam	7	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	156	0	0	70	70	3342	
☑ Beam	8	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	146	0	0	80	80	3342	
☑ Beam	9	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	151	0	0	75	75	3342	
☑ Beam	10	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	146	0	0	80	80	3342	

Structure Number: 850012 Inspection Date: 12/02/2015

Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	970	945	25	0	0	25	3324	☐ Requested
☑ Bridge Rail	1	330	Metal Bridge Railing	41	41	0	0	0	0	3322	☐ Requested
Protective System		515	Steel Protective Coating	81	81	0	0	0	0	3342	
☑ Bridge Rail	2	330	Metal Bridge Railing	41	36	0	5	0	5	3322	☐ Requested
Protective System		515	Steel Protective Coating	81	81	0	0	0	0	3342	
☑ Wearing Surfaces		510	Wearing Surface	966	286	0	680	0	680	2816	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	146	0	0	80	80	3342	
☑ Beam	2	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	151	0	0	75	75	3342	
☑ Beam	3	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	151	0	0	75	75	3342	
☑ Beam	4	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	126	0	0	100	100	3342	
☑ Beam	5	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	121	0	0	105	105	3342	
☑ Beam	6	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	126	0	0	100	100	3342	
☑ Beam	7	107	Steel Open Girder/Beam	40	0	0	0	40	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	116	0	0	110	110	3342	
☑ Beam	8	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	136	0	0	90	90	3342	
☑ Beam	9	107	Steel Open Girder/Beam	40	0	0	40	0	40	3314	☑ Requested
Protective System		515	Steel Protective Coating	226	131	0	0	95	95	3342	
☑ Beam	10	107	Steel Open Girder/Beam	40	25	15	0	0	15	3314	☐ Requested
Protective System		515	Steel Protective Coating	226	146	0	80	0	80	3342	

Superstructure Element Defect Descriptions

Structure Number: 850012 Inspection Date: 12/02/2015

Span Number 1

Span 1 Wearing Surfaces Component Name: Asphalt Wearing Surface

Element: 510 Name Wearing Surface Qty: 966 Lvl 2: 0 Lvl 3 700 Lvl 4 0 Maint. Qty 700

Defect Description:

700 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.

Span 1 Beam 1 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 39 Lvl 4 0 Maint. Qty 39

Defect Description:

39 Feet of Corrosion: Section loss 1/16" with 7/16" remaining on both flanges and 1/16" section loss with 5/16" remaining in top and bottom 4" of web, full length.

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 2 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 39 Lvl 4 0 Maint. Qty 39

Defect Description:

39 Feet of Corrosion: Section loss 1/16" with 7/16" remaining on both flanges and section loss 1/16" with 5/16" remaining along top and bottom 4" of web, full length.

105 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 3 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 39 Lvl 4 0 Maint. Qty 39

Defect Description:

39 Feet of Corrosion: Section loss 1/4" with 1/4" remaining on flanges and section loss 1/8" with 1/4" remaining on top and bottom 4" of web, full length.

110 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 4 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining on both flanges and section loss 1/8" with 1/4" remaining on bottom and top 4" of web, full length.

120 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 5 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining on both flanges and section loss 1/4" with 1/8" remaining on bottom and top 5" of web, full length.

105 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 6 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in bottom flange, 1/4" loss with 1/4" remaining top flange and section loss 1/8" with 1/4" remaining on top and bottom 4" of web, full length.

125 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 7 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in both flanges and section loss 3/16" with 3/16" remaining in top and bottom 5: of web, full length.

125 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 8 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining in both flanges and section loss 1/8" with 1/4" remaining on top and bottom 4" of web, full length.

120 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 9 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in both flanges and 1/4" loss with 1/8" remaining on top and bottom 5" of web, full length.

125 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 1 Beam 10 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/4" with 1/4" remaining in flanges and 1/8" loss with 1/4" remaining in top and bottom 4" of web, full length.

170 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span Number 2

Span 2 Wearing Surfaces Component Name: Asphalt Wearing Surface

Element: 510 Name Wearing Surface Qty: 960 Lvl 2: 0 Lvl 3 650 Lvl 4 0 Maint. Qty 650

Defect Description:

650 Square Feet of transverse Crack (Wearing Surface): Width of more than 0.05 in. open 1' apart over floorboard joints.

Span 2 Beam 1 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 15 Lvl 3 0 Lvl 4 0 Maint. Qty 15

Defect Description:

15 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated on web and flanges.

120 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats missing on web and flanges.

Span 2 Beam 2 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 15 Lvl 3 0 Lvl 4 0 Maint. Qty 15

Defect Description:

15 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated on web and flanges.

120 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats missing on web and flanges.

Span 2 Beam 3 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.

100 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 2 Beam 4 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.

75 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 2 Beam 5 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 2" of web, full length.

75 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges,

Span 2 Beam 6 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.

80 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 2 Beam 7 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.

70 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 2 Beam 8 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in both flanges and 1/16" loss with 5/16" remaining on top and bottom 3" of web, full length.

80 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 2 Beam 9 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/4" with 1/4" remaining in both flanges and loss 1/8" with 1/4" remaining in top and bottom 3" of web, full length.

75 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 2	Beam	10	Component Name:	Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40
Defect Description:

40 Feet of Corrosion: Section loss 1/4" with 1/4" remaining in both flanges and loss 1/8" with 1/4" remaining on top and bottom 3" of web, full length.

80 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span Number 3

Span 3	Deck	1	Component Name:	Timber Deck

Element: 31 Name Timber Deck Qty: 970 Lvl 2: 25 Lvl 3 0 Lvl 4 0 Maint. Qty 25
Defect Description:

25 Square Feet of Connection: Scab repair section in bays 4 and 5 near 2/3's point of span.

Span 3	Bridge Rail	2	Component Name:	Steel Rail

Element: 330 Name Metal Bridge Railing Qty: 41 Lvl 2: 0 Lvl 3 5 Lvl 4 0 Maint. Qty 5
Defect Description:

5 Feet of Damage: The element has impact damage 5' long, 10' from bent 2 end.

Span 3	Wearing Surfaces		Component Name:	Asphalt Wearing Surface

Element: 510 Name Wearing Surface Qty: 966 Lvl 2: 0 Lvl 3 680 Lvl 4 0 Maint. Qty 680
Defect Description:

650 Square Feet of transverse Crack (Wearing Surface): Width of more than 0.05 in. open 1' apart over floorboard joints.

30 Square Feet of Patched Area (Wearing Surfaces): Patched area that is unsound or showing distress at mid-span over repaired deck area underneath.

Span 3	Beam	1	Component Name:	Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40
Defect Description:

40 Feet of Corrosion: Section loss 3/16" with 5/16" remaining in both flange and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.

80 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3	Beam	2	Component Name:	Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40
Defect Description:

40 Feet of Corrosion: Section loss 1/32" with 15/32" remaining in both flanges and loss 1/32" with 11/32" remaining in top and bottom 2" of web, full length.

75 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3	Beam	3	Component Name:	Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40
Defect Description:

40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.

75 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 3	Beam	4	Component Name:	Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40
Defect Description:

40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in both flanges and loss 3/16" with 3/16" remaining on top and bottom 4" of web, full length.

100 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3 Beam 5 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining in flanges and loss 3/16" with 3/16" remaining in top and bottom 4" of web, full length.

105 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3 Beam 6 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining in flanges and loss 1/8" with 1/4" remaining in top and bottom 4" of web, full length.

100 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3 Beam 7 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 0 Lvl 4 40 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in flanges and loss 3/16" with 3/16" remaining in top and bottom 4" of web, full length.

110 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3 Beam 8 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.

90 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal in web and flanges.

Span 3 Beam 9 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 0 Lvl 3 40 Lvl 4 0 Maint. Qty 40

Defect Description:

40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.

95 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal on web and flanges.

Span 3 Beam 10 Component Name: Plate Girder

Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 15 Lvl 3 0 Lvl 4 0 Maint. Qty 15

Defect Description:

15 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated on web and flanges.

80 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats missing on web and flanges.

Substructure Detailed Element Quantites

Structure Number: 850012 Inspection Date: 12/02/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Abutments	1	216	Timber Abutment	35	27	8	0	0	8	3346	☐ Requested
☑ Caps	1	235	Timber Pier Cap	25	25	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Caps	1	235	Timber Pier Cap	25	25	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	4	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Caps	1	235	Timber Pier Cap	25	25	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested

Structure Number: 850012 Inspection Date: 12/02/2015

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Abutments	1	216	Timber Abutment	35	15	0	20	0	20	3346	☐ Requested
☑ Caps	1	235	Timber Pier Cap	25	25	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 850012 Inspection Date: 12/02/2015

End Bent 1

End Bent 1 Row 1 Abutments 1

Element: 216 Name Timber Abutment Qty: 35 Lvl 2: 8 Lvl 3 0 Lvl 4 0 Maint. Qty 8
Defect Description:

8 Feet of Decay/Section Loss: Scattered spot decay up to 1" deep in bulkhead boards.

End Bent 1 Row 1 Piles and Columns 1

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 15% of the thickness of the member and not in the tension zone.

End Bent 1 Row 1 Piles and Columns 2

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 10% of the thickness of the member and not in the tension zone.

End Bent 1 Row 1 Piles and Columns 3

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 5% of the thickness of the member and not in the tension zone.

End Bent 1 Row 1 Piles and Columns 4

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 10% of the thickness of the member and not in the tension zone.

End Bent 1 Row 1 Piles and Columns 5

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 5% of the thickness of the member and not in the tension zone.

Bent 1 Row 1 Piles and Columns 1

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 4
Defect Description:

1 Each of Decay/Section Loss: Decayed 10" wide x 4' high x 2" deep on east face.

Bent 1 Row 1 Piles and Columns 2

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 15% of the thickness of the member and not in the tension zone.

Bent 1 Row 1 Piles and Columns 3

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 15% of the thickness of the member and not in the tension zone.

Bent 1 Row 1 Piles and Columns 4

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Decay/Section Loss: Concrete repair jacket 24" x 24" with 3' stem remaining.

Bent 1 Row 1 Piles and Columns 5

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 15% of the thickness of the member and not in the tension zone.

Bent 2 Row 1 Piles and Columns 1

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 15% of the thickness of the member and not in the tension zone.

Bent 2 Row 1 Piles and Columns 2

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Decay/Section Loss: Concrete repair jacket 24" x 24" with 5' stem remaining.

Bent 2 Row 1 Piles and Columns 3

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 5% of the thickness of the member and not in the tension zone.

Bent 2 Row 1 Piles and Columns 4

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 5% of the thickness of the member and not in the tension zone.

Bent 2 Row 1 Piles and Columns 5

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 20% of the thickness of the member and not in the tension zone.

End Bent 2 Row 1 Abutments 1

Element: 216 Name Timber Abutment Qty: 35 Lvl 2: 0 Lvl 3 20 Lvl 4 0 Maint. Qty 20
Defect Description:

20 Feet of Decay/Section Loss: Top 2 boards have decay up to 2-1/2" deep bays 3 thru 7.

End Bent 2 Row 1 Piles and Columns 1

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 10% of the thickness of the member and not in the tension zone.

End Bent 2 Row 1 Piles and Columns 2

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 10% of the thickness of the member and not in the tension zone.

End Bent 2 Row 1 Piles and Columns 3

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 5% of the thickness of the member and not in the tension zone.

End Bent 2 Row 1 Piles and Columns 4

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 15% of the thickness of the member and not in the tension zone.

End Bent 2 Row 1 Piles and Columns 5

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Check/Shake: Penetrates 10% of the thickness of the member and not in the tension zone.

National Bridge and NC Inspection Items

Structure Number: 850012 Inspection Date: 12/02/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , 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	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C			
Field Scour Evaluation		O		
Drift	G, F, P, or C	F	40	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	F		
Estimated Remaining Life	0 - 100 Years	5		

Note: If NC SMU Insepction 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	24
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
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: 850012 Inspection Date: 12/02/2015

Item	Presently Posted	Grade	Y	Maint Code		Qty.	0
Details	SV 21 TTST 26						

Item	Drift	Grade	F	Maint Code	3366	Qty.	40
Details	DRIFT HAS ACCUMULATED ALONG SPAN 1 SIDE OF BENT 1.						

Item	Response to live load	Grade	F	Maint Code		Qty.	0
Details	VIBRATION WITH DEFLECTION NOTED UNDER MEDIUM TRUCK LOAD.						

Item	Estimated Remaining Life	Grade	5	Maint Code		Qty.	0
Details	REDUCED DUE TO OVERALL DETERIORATION OF SUPERSTRUCTURE.						



Span 1 Wearing Surface: 700 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.



Span 2 Wearing Surface: 650 Square Feet of transverse Crack (Wearing Surface): Width of more than 0.05 in. open 1' apart over floorboard joints.



Span 3 Wearing Surface: 650 Square Feet of transverse Crack (Wearing Surface): Width of more than 0.05 in. open 1' apart over floorboard joints.



Span 3 Wearing Surface: 30 Square Feet of Patched Area (Wearing Surfaces): Patched area that is unsound or showing distress at mid-span over repaired deck area underneath.



Span 3 Right Bridge Rail: 5 Feet of Damage: The element has impact damage 5' long, 10' from bent 2 end.



DRIFT HAS ACCUMULATED ALONG SPAN 1 SIDE OF BENT 1.



Span 1 Beam 1: 39 Feet of Corrosion: Section loss 1/16" with 7/16" remaining on both flanges and 1/16" section loss with 5/16" remaining in top and bottom 4" of web, full length.



Span 1 Beam 2: 39 Feet of Corrosion: Section loss 1/16" with 7/16" remaining on both flanges and section loss 1/16" with 5/16" remaining along top and bottom 4" of web, full length.



Span 1 Beam 3: 39 Feet of Corrosion: Section loss 1/4" with 1/4" remaining on flanges and section loss 1/8" with 1/4" remaining on top and bottom 4" of web, full length.



Span 1 Beam 5: 40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining on both flanges and section loss 1/4" with 1/8" remaining on bottom and top 5" of web, full length.



Span 1 Beam 4: 40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining on both flanges and section loss 1/8" with 1/4" remaining on bottom and top 4" of web, full length.



Span 1 Beam 6: 40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in bottom flange, 1/4" loss with 1/4" remaining top flange and section loss 1/8" with 1/4" remaining on top and bottom 4" of web, full length.



Span 1 Beam 7: 40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in both flanges and section loss 3/16" with 3/16" remaining in top and bottom 5: of web, full length.



Span 1 Beam 8: 40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining in both flanges and section loss 1/8" with 1/4" remaining on top and bottom 4" of web, full length.



Span 1 Beam 9: 40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in both flanges and 1/4" loss with 1/8" remaining on top and bottom 5" of web, full length.



Span 1 Beam 10: 40 Feet of Corrosion: Section loss 1/4" with 1/4" remaining in flanges and 1/8" loss with 1/4" remaining in top and bottom 4" of web, full length.



Span 2 Beam 3: 40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.



Span 2 Beam 4: 40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.



Span 2 Beam 5: 40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 2" of web, full length.



Span 2 Beam 6: 40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.



Span 2 Beam 7: 40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in both flanges and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.



Span 2 Beam 8: 40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in both flanges and 1/16" loss with 5/16" remaining on top and bottom 3" of web, full length.



Span 2 Beam 9: 40 Feet of Corrosion: Section loss 1/4" with 1/4" remaining in both flanges and loss 1/8" with 1/4" remaining in top and bottom 3" of web, full length.



Span 2 Beam 10: 40 Feet of Corrosion: Section loss 1/4" with 1/4" remaining in both flanges and loss 1/8" with 1/4" remaining on top and bottom 3" of web, full length.



Bent 1 Pile 4: 1 Each of Decay/Section Loss: Concrete repair jacket 24" x 24" with 3' stem remaining.



Bent 2 Pile 2: 1 Each of Decay/Section Loss: Concrete repair jacket 24" x 24" with 5' stem remaining.



Span 3 Beam 1: 40 Feet of Corrosion: Section loss 3/16" with 5/16" remaining in both flange and 1/16" loss with 5/16" remaining in top and bottom 3" of web, full length.



Span 3 Beam 2: 40 Feet of Corrosion: Section loss 1/32" with 15/32" remaining in both flanges and loss 1/32" with 11/32" remaining in top and bottom 2" of web, full length.



Span 3 Beam 3: 40 Feet of Corrosion: Section loss 1/16" with 7/16" remaining in both flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.



Span 3 Beam 4: 40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in both flanges and loss 3/16" with 3/16" remaining on top and bottom 4" of web, full length.



Span 3 Beam 5: 40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining in flanges and loss 3/16" with 3/16" remaining in top and bottom 4" of web, full length.



Span 3 Beam 6: 40 Feet of Corrosion: Section loss 5/16" with 3/16" remaining in flanges and loss 1/8" with 1/4" remaining in top and bottom 4" of web, full length.



Span 3 Beam 7: 40 Feet of Corrosion: Section loss 3/8" with 1/8" remaining in flanges and loss 3/16" with 3/16" remaining in top and bottom 4" of web, full length.



Span 3 Beam 8: 40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.



Span 3 Beam 9: 40 Feet of Corrosion: Section loss 1/8" with 3/8" remaining in flanges and loss 1/16" with 5/16" remaining in top and bottom 3" of web, full length.



Span 3 Deck: 25 Square Feet of Connection: Scab repair section in bays 4 and 5 near 2/3's point of span.



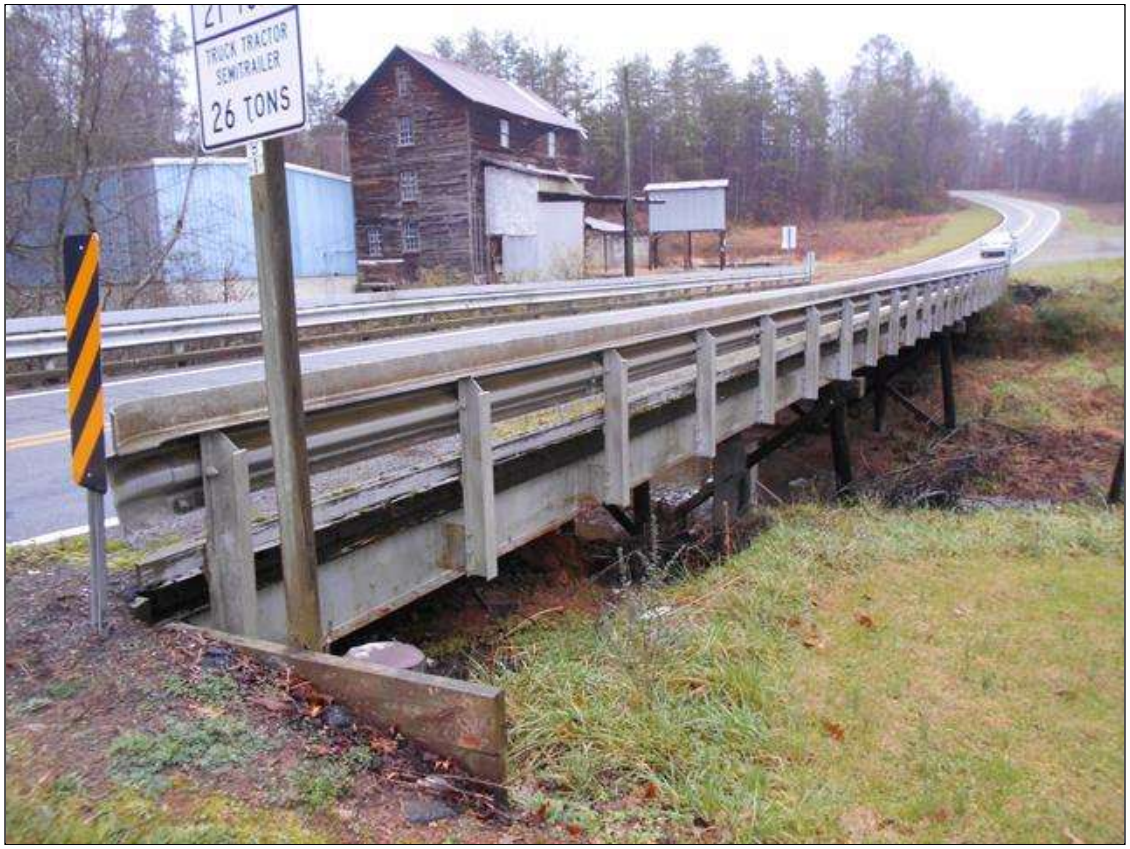
Bent 1 Pile 1: 1 Each of Decay/Section Loss: Decayed 10" wide x 4' high x 2" deep on east face.



WEST APPROACH LOOKING EAST



POSTING SV 21 TTST 26 WEST END



LOOKING NORTH



LEFT RAIL SIMILAR RIGHT RAIL

Structure: 850012 County: SURRY Date: 12/02/2015 Structure Photos



DOWNSTREAM



UPSTREAM



LOOKING SOUTH



POSTING SV 21 TTST 26 EAST END



EAST APPROACH LOOKING WEST



END BENT 1 LOOKING WEST



SUPERSTRUCTURE SPAN 1



SUPERSTRUCTURE SPAN 2



BENT 2 LOOKING EAST



TYPICAL BEARING.



BENT 1 LOOKING WEST



SUPERSTRUCTURE SPAN 3



END BENT 2 LOOKING EAST



TYPICAL BEARING AT END BENTS

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Update Date: 01/08/2016

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 850012
(8) STRUCTURE NUMBER(FEDERAL) 000000001710012
(5) INVENTORY ROUTE (ON/UNDER) - ON 31011220
(2) STATE HIGHWAY DEPARTMENT DISTRICT 1
(3) COUNTY CODE 171 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - SNOW CREEK
(7) FACILITY CARRIED SR1122
(9) LOCATION .8 MI.E.JCT.SR1129
(11)MILEPOINT 0
(16)LAT 36° 19' 49.83" (17)LONG 80° 46' 17.63"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
TYPE - Stringer Mutlibeam or Girder CODE 302
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 3
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 8 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1964
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 590
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 7 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 40 FT
(49) STRUCTURE LENGTH 121 FT
(50)CURB OR SIDEWALK: LEFT .042 FT RIGHT .042 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 22 FT
(52) DECK WIDTH OUT TO OUT 24.083 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 18 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 0° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 22 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

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

SUFFICIENCY RATING = 19.71
STATUS = Structurally Deficient

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(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

CONDITION CODE

(58) DECK 5
(59) SUPERSTRUCTURE 4
(60) SUBSTRUCTURE 5
(61) CHANNEL & CHANNEL PROTECTION 7
(62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-5 9
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-3 5
(70) BRIDGE POSTING - Posting Required 0
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 3
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES U

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 1180 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 12/02/2015
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Update Date: 01/08/2016

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
SURRY	11	1	850012	121 FEET

ROUTE CARRIED : SR1122

FEATURE INTERSECTED : SNOW CREEK

LOCATED : .8 MI.E.JCT.SR1129

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :			
09	NFA	NFA	590	2012	LT	233	RT	233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1964	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :			
	BMU	5.7451	TAN	90	ON	2	UNDER	0

NAVIGATION :					HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC	0	FT	15 FT	1	FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.POST&SILLS;BTS:TIM.CAP/TIM.PILES

SPANS : 1 @ 40'-3; 1 @ 40'; 1 @ 40'-3

BEAMS OR GIRDERS : 10 LINES 18 I-BEAMS @ 2'-6.75 CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/2 AWS		24.083 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
22 FT	22.083 FT	LT	.042 FT	RT	.042 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :					
HS-3	HS-5	Int Bm7SpA	SV	6	TTST	0	DATE	12/29/2015

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850012 County SURRY Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 1: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING ON BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 2: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING ALONG TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING ON FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON BOTTOM AND TOP 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/4" WITH 1/8" REMAINING ON BOTTOM AND TOP 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTTOM FLANGE, 1/4" LOSS WITH 1/4" REMAINING TOP FLANGE AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850012 County SURRY Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND 1/4" SECTION LOSS WITH 1/8" REMAINING ON TOP AND BOTTOM 5" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 1 BEAM 10: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN FLANGES AND 1/8" SECTION LOSS WITH 1/4" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 2" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850012 County SURRY Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING ON TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 2 BEAM 10: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 1: 40 FEET OF CORROSION: SECTION LOSS 3/16" WITH 5/16" REMAINING IN BOTH FLANGE AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" O	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850012 County SURRY Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.	
3314	Maintain Steel Superstructure Components	LF	40	SPAN 3 BEAM 2: 40 FEET OF CORROSION: SECTION LOSS 1/32" WITH 15/32" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/32" WITH 11/32" REMAINING IN TOP AND BOTTOM 2" OF WEB, FULL LENGTH.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 1: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING ON BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 2

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 2: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING ALONG TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING ON FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON BOTTOM AND TOP 4" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 5

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/4" WITH 1/8" REMAINING ON BOTTOM AND TOP 4" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 6

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTTOM FLANGE, 1/4" LOSS WITH 1/4" REMAINING TOP FLANGE AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 7

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 8

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 9

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND 1/4" SECTION LOSS WITH 1/8" REMAINING ON TOP AND BOTTOM 5" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 10

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 1 BEAM 10: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN FLANGES AND 1/8" SECTION LOSS WITH 1/4" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:

Beams and Girders Bent/Span No. 2 BEAM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:

Beams and Girders Bent/Span No. 2 BEAM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 5

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 2" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 6

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 7

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 8

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING ON TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 9

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 10

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 2 BEAM 10: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 1

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 1: 40 FEET OF CORROSION: SECTION LOSS 3/16" WITH 5/16" REMAINING IN BOTH FLANGE AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" O

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 3

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 4

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING ON TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 5

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 6

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 7

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 8

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 9

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB, FULL LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 850012 County SURRY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	40 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 2

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
12/03/2015	H.W. HICKS, JR.	T.L. GOINS

Details

SPAN 3 BEAM 2: 40 FEET OF CORROSION: SECTION LOSS 1/32" WITH 15/32" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/32" WITH 11/32" REMAINING IN TOP AND BOTTOM 2" OF WEB, FULL LENGTH.

Structure 850012 County SURRY Date: Condition Photos



SPAN 1 BEAM 1: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING ON BOTH FLANGES AND 1/16" SECTION LOSS WITH 5/16" REMAINING IN TOP AND BO



SPAN 1 BEAM 2: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/16" WITH 5/16" REMAINING ALONG TOP AND



SPAN 1 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING ON FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 4" O



SPAN 1 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/4" WITH 1/8" REMAINING ON BOTTOM AND TOP



SPAN 1 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING ON BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON BOTTOM AND T



SPAN 1 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTTOM FLANGE, 1/4" LOSS WITH 1/4" REMAINING TOP FLANGE AND SECTION LOSS



SPAN 1 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND SECTION LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTT



SPAN 1 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN BOTH FLANGES AND SECTION LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTT



SPAN 1 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND 1/4" LOSS WITH 1/8" REMAINING ON TOP AND BOTTOM 5" OF W

Structure 850012 County SURRY Date: Condition Photos



SPAN 1 BEAM 10: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN FLANGES AND 1/8" LOSS WITH 1/4" REMAINING IN TOP AND BOTTOM 4" OF WEB,



SPAN 2 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3"



SPAN 2 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3"



SPAN 2 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 2"



SPAN 2 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF



SPAN 2 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF



SPAN 2 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN BOTH FLANGES AND 1/16" LOSS WITH 5/16" REMAINING ON TOP AND BOTTOM 3" OF



SPAN 2 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN BOTH FLANGES AND LOSS 1/8" WITH 1/4" REMAINING IN TOP AND BOTTOM 3" OF W



SPAN 2 BEAM 10: 40 FEET OF CORROSION: SECTION LOSS 1/4" WITH 1/4" REMAINING IN BOTH FLANGES AND LOSS 1/8" WITH 1/4" REMAINING ON TOP AND BOTTOM 3" OF



SPAN 3 BEAM 1: 40 FEET OF CORROSION: SECTION LOSS 3/16" WITH 5/16" REMAINING IN BOTH FLANGE AND 1/16" LOSS WITH 5/16" REMAINING IN TOP AND BOTTOM 3" O



SPAN 3 BEAM 2: 40 FEET OF CORROSION: SECTION LOSS 1/32" WITH 15/32" REMAINING IN BOTH FLANGES AND LOSS 1/32" WITH 11/32" REMAINING IN TOP AND BOTTOM 2



SPAN 3 BEAM 3: 40 FEET OF CORROSION: SECTION LOSS 1/16" WITH 7/16" REMAINING IN BOTH FLANGES AND LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3"



SPAN 3 BEAM 4: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN BOTH FLANGES AND LOSS 3/16" WITH 3/16" REMAINING ON TOP AND BOTTOM 4" OF



SPAN 3 BEAM 5: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN FLANGES AND LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WE



SPAN 3 BEAM 6: 40 FEET OF CORROSION: SECTION LOSS 5/16" WITH 3/16" REMAINING IN FLANGES AND LOSS 1/8" WITH 1/4" REMAINING IN TOP AND BOTTOM 4" OF WEB,



SPAN 3 BEAM 7: 40 FEET OF CORROSION: SECTION LOSS 3/8" WITH 1/8" REMAINING IN FLANGES AND LOSS 3/16" WITH 3/16" REMAINING IN TOP AND BOTTOM 4" OF WEB,



SPAN 3 BEAM 8: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN FLANGES AND LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB,

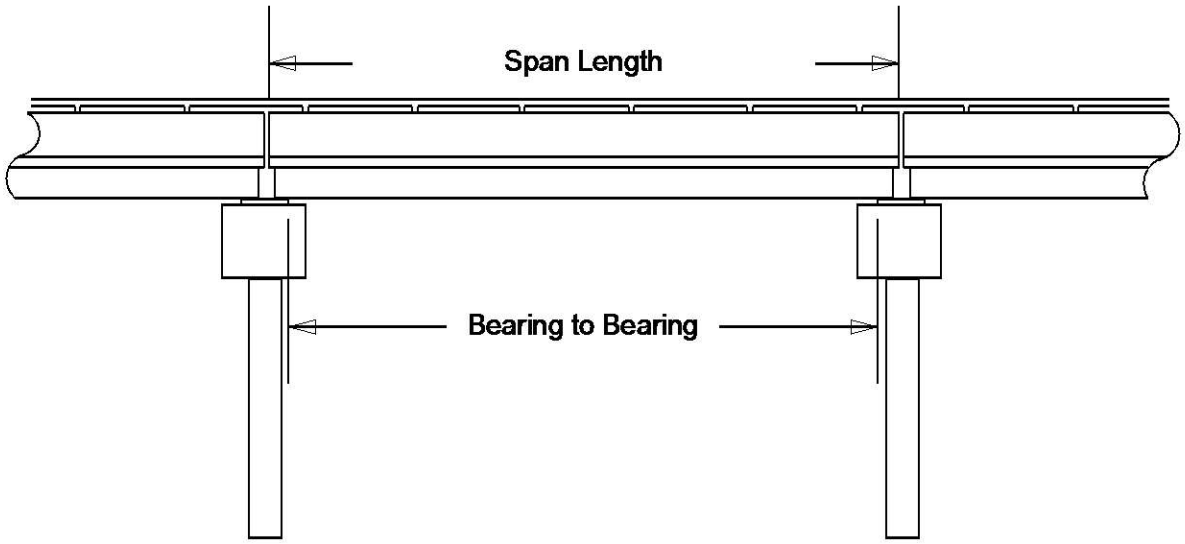
Structure 850012 County SURRY Date: Condition Photos



SPAN 3 BEAM 9: 40 FEET OF CORROSION: SECTION LOSS 1/8" WITH 3/8" REMAINING IN FLANGES AND LOSS 1/16" WITH 5/16" REMAINING IN TOP AND BOTTOM 3" OF WEB,

Structure Data Worksheet

County: SURRY Structure No: 850012 Date: Inspected By: HWH



Span No	Span Length	Bearing to Bearing	Comments
1	40.25	39.25	
2	40	39.5	
3	40.25	39.25	NBIS LENGTH = 118.042

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 850012 County: SURRY Date: By: HWH

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

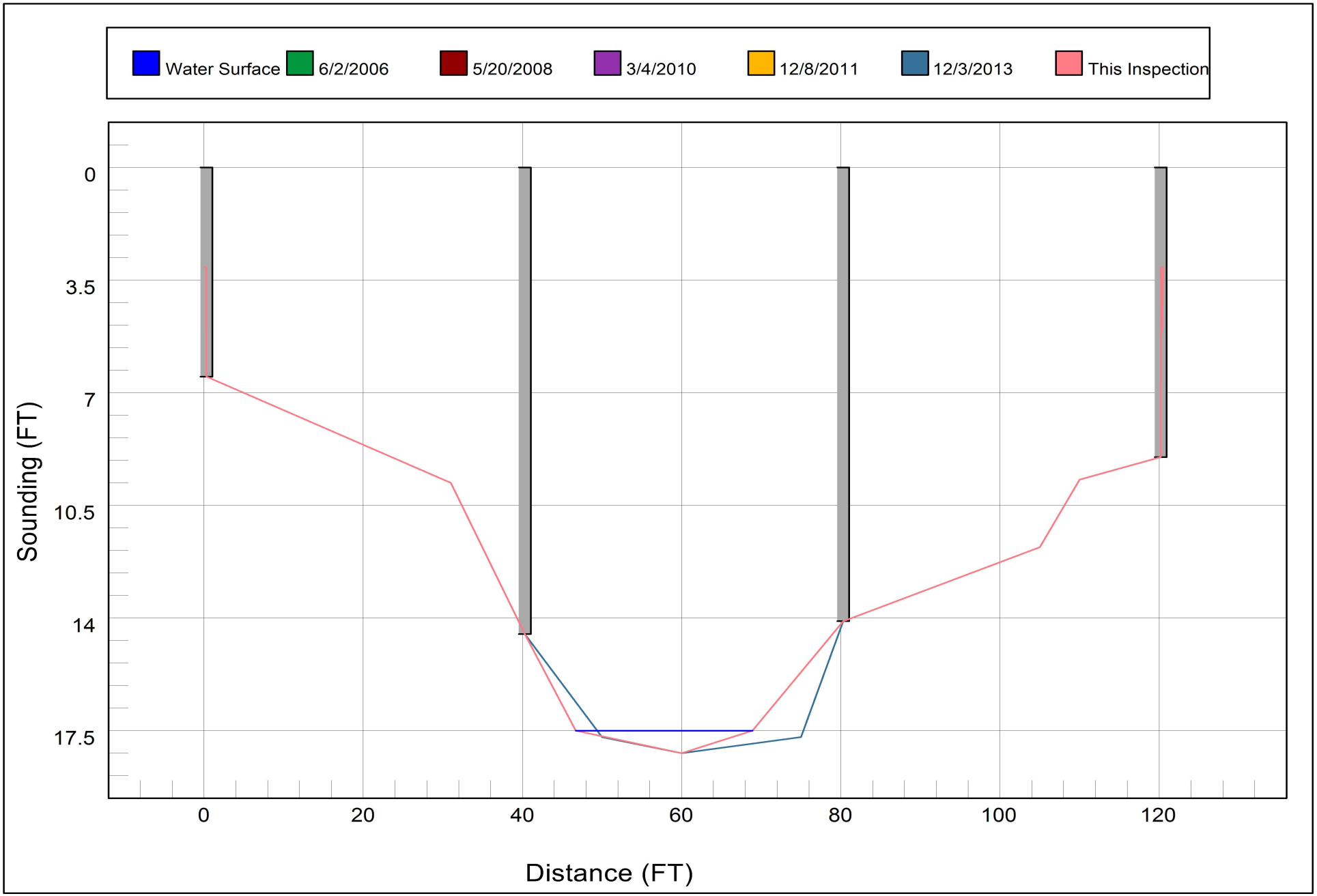
Distance from Highwater Mark to top of rail: Location of Highwater Mark:

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	3.1	TOP OF FILLFACE			
0.28	3.1	TOP OF FILLFACE			
0.29	5.1	Top of Cap			
0.3	6.5	FACE OF ABUTMENT	0.3	4.7	FACE OF ABUTMENT 1
31	9.8	SLOPE			
40.3	14.5	PIER 1	40.3	18.2	PIER 1
46.7	17.5	Water Surface/Water Edge (WSWE)			
60	18.2	BED			
68.9	17.5	Water Surface/Water Edge (WSWE)			
80.3	14.1	PIER 2	80.3	14	PIER 2
105	11.8	SLOPE			
110	9.7	SLOPE			
120.2	9	FACE OF ABUTMENT	120.2	8	FACE OF ABUTMENT 2
120.22	3.1	TOP OF FILLFACE			
120.32	5.1	Top of Cap			
120.5	3.1	TOP OF FILLFACE			

Bridge: 850012 County SURRY Date:

STREAMBED PROFILE (Downstream)

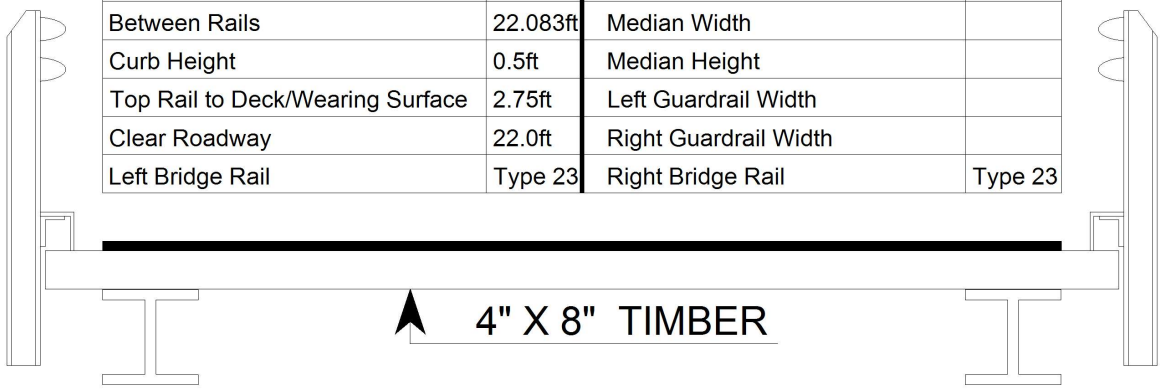
Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

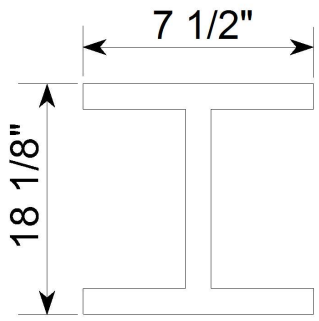
VERIFIED 12/3/13 A. GLASCO, M. FORD

Deck Width/Out to Out	24.083ft	Wearing Surface	0.167ft
Between Rails	22.083ft	Median Width	
Curb Height	0.5ft	Median Height	
Top Rail to Deck/Wearing Surface	2.75ft	Left Guardrail Width	
Clear Roadway	22.0ft	Right Guardrail Width	
Left Bridge Rail	Type 23	Right Bridge Rail	Type 23



Measurements for Span #	1		
Deck Thickness	0.333	Left Overhang	0.48
Top of Rail to Bottom of Beam	5.083	Right Overhang	0.48

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.57ft	ALL SPANS SIMILAR
2	Steel I Beam	2.57ft	
3	Steel I Beam	2.57ft	
4	Steel I Beam	2.57ft	
5	Steel I Beam	2.57ft	
6	Steel I Beam	2.57ft	
7	Steel I Beam	2.58ft	
8	Steel I Beam	2.56ft	
9	Steel I Beam	2.56ft	
10	Steel I Beam		



FLANGE THICKNESS: 1/2"
WEB THICKNESS: 3/8"

6" X 6" ANGLE IRON PLACED ON TOP OF RAIL

WHEELGUARD IS 4" X 6" TIMBER

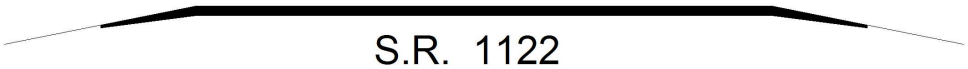
REVISED 12/2/15 H.W. HICKS, JR.

Title	Description
SUPER.	DECK SECTION

Bridge No:	Drawn By:	Date:	File Name:
850012	RAP	06/01/2006	S0138001317

Bridge Inspection Field Sketch

VERIFIED 12/3/13 A. GLASCO, M. FORD



S.R. 1122

LOOKING EAST

Roadway	18ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	4ft Wide		4ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 12/2/15 H.W. HICKS, JR.

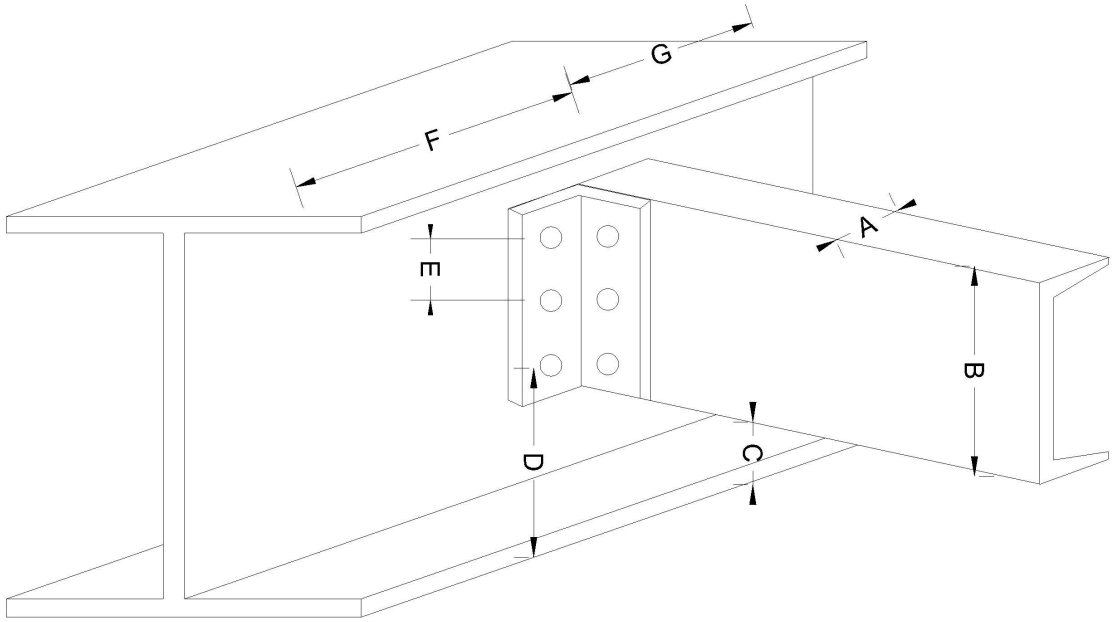
Title	**Description**		
APPR. RDWY.	APPR. RDWY. S.R. 1122		
Bridge No: 850012	**Drawn By:** RAP	**Date:** 06/01/2006	**File Name:** S0138001318

Bridge Inspection Field Sketch

VERIFIED 12/3/13 A. GLASCO, M. FORD

SPAN: ALL

LOCATION: 1/3 POINTS



SPAN	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	BOLT SIZE
ALL	2 5/8"	10"	5"	7 1/2"	2 1/2"	13' - 4"	13' - 4"	3/4"

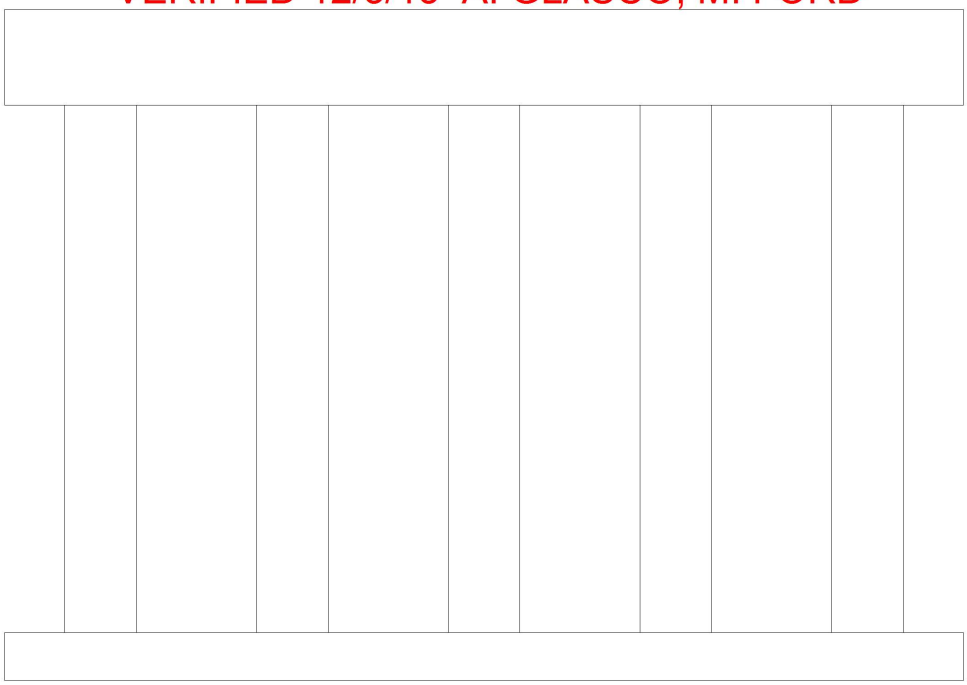
VERIFIED 12/2/15 H.W. HICKS, JR.

Title	Description
DIAPH.	DIAPH.

Bridge No:	Drawn By:	Date:	File Name:
850012	RAP	06/01/2006	S0138001319

Bridge Inspection Field Sketch

VERIFIED 12/3/13 A. GLASCO, M. FORD



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	25ft Long	0.979ft Wide	0.979ft High
Left Overhang	1ft	Lt Cap/Beam Overhang	1.5ft
Right Overhang	1ft	Rt Cap/Beam Overhang	1.5ft
Sill - Sill			
Sill Size	25ft Long	0.979ft Wide	0.979ft High

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5.75		0.833	0.959	Vertical
2	Wood or Timber	Post and Sills	5.75		0.833	0.959	Vertical
3	Wood or Timber	Post and Sills	5.75		0.833	0.959	Vertical
4	Wood or Timber	Post and Sills	5.75		0.833	0.959	Vertical
5	Wood or Timber	Post and Sills			0.833	0.959	Vertical

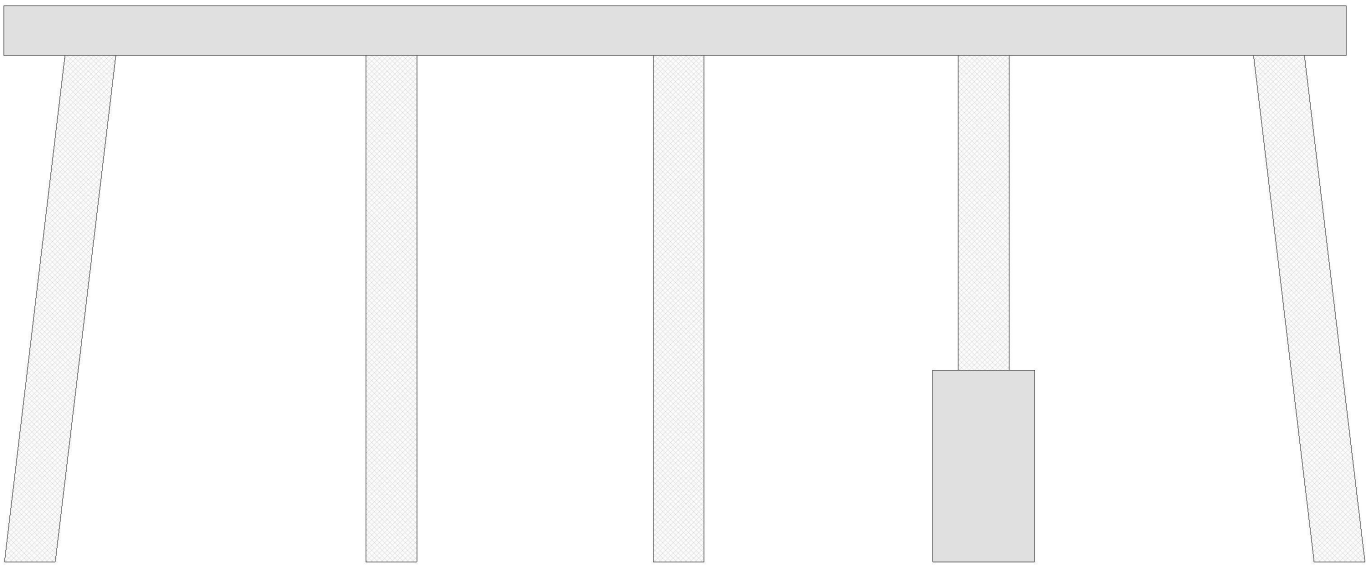
ABUT. # 2 BM. OUT LT. & RT.: 17"

VERIFIED 12/2/15 H.W. HICKS, JR.

Title	**Description**
SUBST.	ABUTS.

Bridge No:	850012	**Drawn By:**	RAP	**Date:**	06/01/2006	**File Name:**	S0138001320

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
26.400 ft.	0.979 ft.	0.979 ft.	1.700 ft.	1.320 ft.	1.5 ft.	1.5 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	Timber	5.92 ft.	1 ft.			Battered	No	No	No	No
2	Timber	5.65 ft.	1 ft.			Vertical	No	No	No	No
3	Timber	6.00 ft.	1 ft.			Vertical	No	No	No	No
4	Timber	5.81 ft.	1 ft.			Vertical	No	No	No	Yes
5	Timber		1 ft.			Battered	No	No	No	No

VERIFIED 12/3/13 A. GLASCO, M. FORD

REVISED 12/2/15 H.W. HICKS, JR.

Bent/Abutment #: 1 Similar Bents:

Title	**Description**
SUBST. 2	PIERS

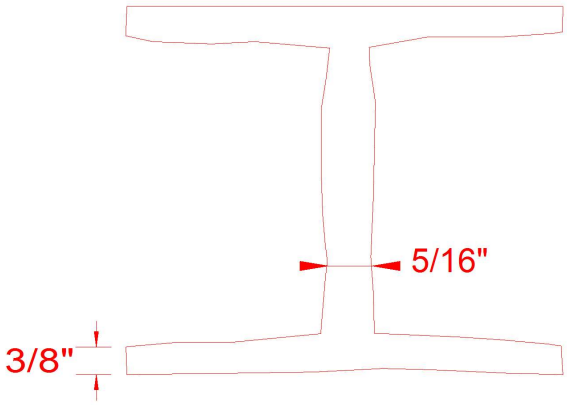
Bridge No: 850012	**Drawn By:** RAP	**Date:** 06/01/2006	**File Name:** S0138001321

Bridge Inspection Field Sketch

VERIFIED 12/3/13 A. GLASCO, M. FORD

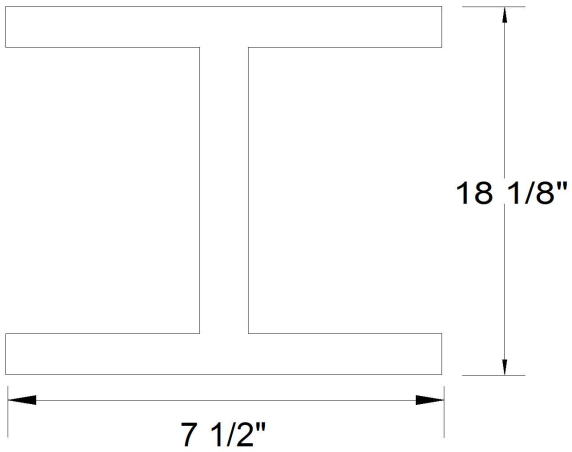
SECTION LOSS ALONG ALL BEAMS
(+/-) 1/16" LOSS ON WEB AND (+/-) 1/8" LOSS ON FLANGES

SECTION LOSS



REVISED WITH PRIORITY MAINTENANCE 12/2/15 H.W. HICKS, JR.

ORIGINAL SECTION

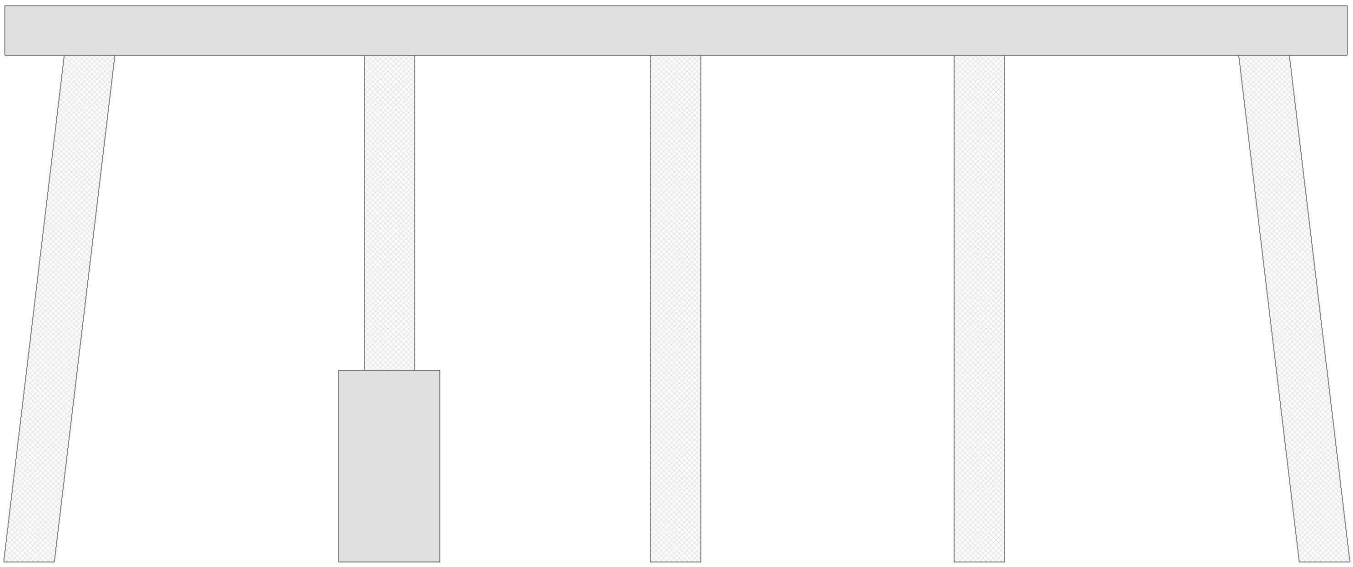


FLANGE THICKNESS = 1/2"
WEB THICKNESS = 3/8"

Title	Description
SECTION LOSS	SECTION LOSS ALL BEAMS

Bridge No:	Drawn By:	Date:	File Name:
850012	A. GLASCO	12/3/2013	S0138073389

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
26.500 ft.	0.979 ft.	0.979 ft.	1.670 ft.	1.640 ft.	1.5 ft.	1.5 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	Timber	5.92 ft.	1 ft.			Battered	No	No	No	No
2	Timber	5.65 ft.	1 ft.			Vertical	No	No	No	Yes
3	Timber	6.00 ft.	1 ft.			Vertical	No	No	No	No
4	Timber	5.62 ft.	1 ft.			Vertical	No	No	No	No
5	Timber		1 ft.			Battered	No	No	No	No

Bent/Abutment #: 2 Similar Bents:

Title	**Description**
SUB 3	BENT 2

Bridge No: 850012	**Drawn By:** H.W. HICKS, JR.	**Date:** 12/3/2015	**File Name:** S0318000884