

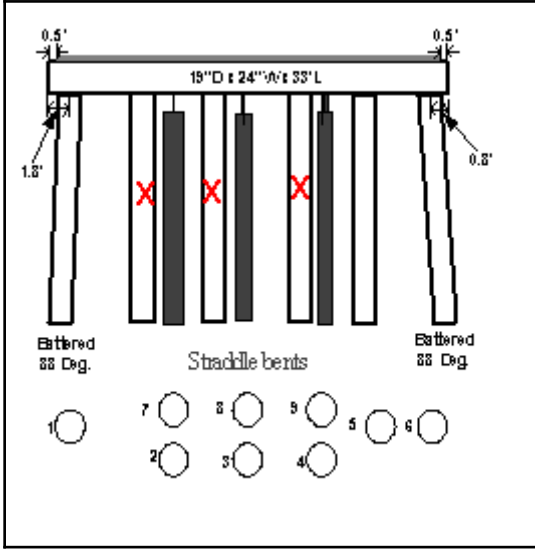
# GEORGIA DEPARTMENT OF TRANSPORTATION

## SubStructure Report

**District:** 3  
**Bridge Inspector:** Bryon Patterson  
**Location ID:** 255-02082F-010.10N  
**Structure ID:** 255-0039-0

**Inspection Date:** 8/30/2012  
**Over:** HEADS CREEK  
**County:** Spalding  
**Road Name:** VAUGHN ROAD

**Inspection Area:** 03  
**Skew:** 00



<b>Bent #:</b>	2		<b>Picture Type:</b>	2	
<b>Deck:</b>	<b>Material:</b> Concrete	<b>Width:</b> 32.00	<b>Depth:</b> 12.00	<b>Plank:</b> 0.00	
<b>Cap:</b>	<b>Material:</b> Cast-In-Place				
<b>Beam:</b>	<b>Material:</b> Concrete	<b>Width:</b> 36.00	<b>Depth:</b> 12.00		
	<b>FWD</b>	<b>REAR</b>	<b>FWD</b>	<b>REAR</b>	
<b>Steel Beam:</b>	<b>Weight (#/ft):</b>	0	0		
	<b>SX (in3):</b>	0	0		

**Piles:**

**# of Piles:** 9      **Super Structure Height (ft.):** 3.80  
**Overburden**  
**Soil (in.):** 0.00      **Asphalt (in.):** 2.00

<u>Pile</u>	<u>Cir</u>	<u>Core Loc</u>	<u>Depth</u>	<u>Pent</u>	<u>Unbrace</u>	<u>Condition</u>	<u>Length</u>	<u>Spacing</u>
1	37.00	2.1' below cap	5.20	0.50	4.20	Fair	4.20	6.80
2	41.00	1.1' below cap	5.80	0.25	3.20	Straddle bent - Fair	3.20	6.30
3	30.50	2.0' below cap	5.00	0.25	4.40	Straddle bent - Fair	4.40	5.80
4	33.20	2.0' below cap	5.00	0.50	3.90	Straddle bent - Fair	3.90	5.40
5	42.00	4.1' below cap	5.20	0.25	5.90	Fair	5.90	6.10
6	38.00	2.9' below cap	5.00	0.50	6.80	Fair	6.80	0.00
7	35.00	1.9' below cap	5.20	0.50	5.00	Straddle bent - Fair	5.00	6.30
8	38.50	2.9' below cap	5.00	0.50	7.00	Straddle bent - Fair	6.40	5.80
9	36.00	2.9' below cap	5.20	0.25	6.20	Straddle bent - Fair	6.20	0.00

**Comments:**

All pile sounded and cored 10/18/00, JAA/AW.  
 All pile sounded 10/17/02  
 All Piles Sounded & Cored 9/22/04  
 All piles sounded 9/15/06  
 Pile 8 cored 9/15/06  
 All Piles Sounded & Cored 9/25/08.  
 All Piles Sounded 9/2/2010.  
 All Piles Sounded 8/30/2012.

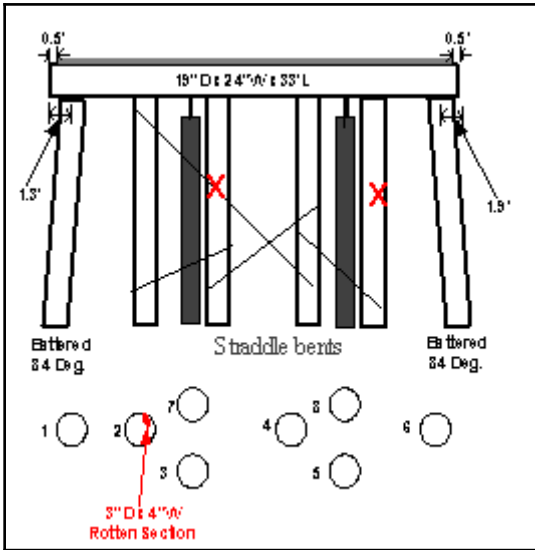
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## SubStructure Report

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**County:** Spalding  
**Road Name:** VAUGHN ROAD

**Inspection Area:** 03  
**Skew:** 00



<b>Bent #:</b> 3	<b>Picture Type:</b> 2			
<b>Deck:</b>				
<b>Material:</b> Concrete	<b>Width:</b> 32.00	<b>Depth:</b> 12.00	<b>Plank:</b> 0.00	
<b>Cap:</b>				
<b>Material:</b> Cast-In-Place				
<b>Beam:</b>				
	<u>FWD</u>	<u>REAR</u>	<u>FWD</u>	<u>REAR</u>
<b>Material:</b> Concrete	Concrete	Concrete	<b>Width:</b> 36.00	36.00
			<b>Depth:</b> 12.00	12.00
<b>Steel Beam:</b>				
	<u>FWD</u>	<u>REAR</u>	<u>Yr-Fab</u>	
<b>Weight (#/ft):</b>	0	0		
<b>SX (in3):</b>	0	0		

**Piles:**

**# of Piles:** 8      **Super Structure Height (ft.):** 3.80  
**Overburden**  
**Soil (in.):** 0.00      **Asphalt (in.):** 2.00

<u>Pile</u>	<u>Cir</u>	<u>Core Loc</u>	<u>Depth</u>	<u>Pent</u>	<u>Unbrace</u>	<u>Condition</u>	<u>Length</u>	<u>Spacing</u>
1	38.20	6.2' below cap	4.80	0.50	12.40	Fair	12.40	6.40
2	43.50	7.9' below cap	5.20	0.50	6.00	Fair	11.90	4.20
3	32.30	6.5' below cap	5.50	0.50	10.40	Straddle bent - Fair	10.00	7.40
4	43.30	7.0' below cap	5.30	0.38	5.30	Fair	12.10	4.30
5	34.50	6.0' below cap	5.80	0.50	10.70	Straddle bent - Fair	10.70	7.50
6	34.20	8.0' below cap	5.50	0.38	12.60	Fair	12.60	0.00
7	32.50	6.7' below cap	5.30	0.25	11.40	Straddle bent - Fair	11.40	0.00
8	37.00	7.0' below cap	5.30	0.50	11.00	Straddle bent - Fair	11.40	0.00

**Comments:**

All Pile sounded and cored 10/18/00, JAA / AW.  
 All pile sounded 10/17/02  
 All Piles Sounded & Cored 9/22/04  
 All piles sounded 9/15/06  
 Pile 2 cored 9/15/06  
 All Piles Sounded & Cored 9/25/08.  
 Pile #2 has a 2"D x 4"W rotten Section (No Change 9/2/2010) (8/30/2012: Rotten section is now 3" D x 4"W)  
 All Piles Sounded 9/2/2010.  
 All Piles Sounded 8/30/2012.

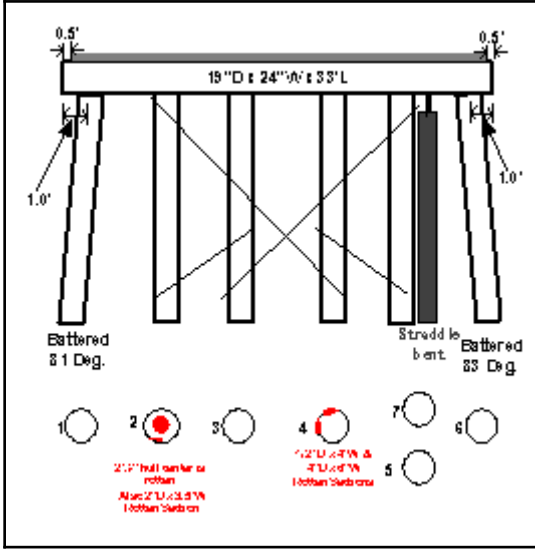
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## SubStructure Report

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**Location ID:** 255-02082F-010.10N  
**Structure ID:** 255-0039-0

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**County:** Spalding  
**Road Name:** VAUGHN ROAD

**Inspection Area:** 03  
**Skew:** 00



<b>Bent #:</b> 4	<b>Picture Type:</b> 2			
<b>Deck:</b>	<b>Material:</b> Concrete	<b>Width:</b> 32.00	<b>Depth:</b> 12.00	<b>Plank:</b> 0.00
<b>Cap:</b>	<b>Material:</b> Cast-In-Place			
<b>Beam:</b>	<b>FWD</b>	<b>REAR</b>	<b>FWD</b>	<b>REAR</b>
<b>Material:</b> Concrete	Concrete	Concrete	<b>Width:</b> 36.00	36.00
			<b>Depth:</b> 12.00	12.00
<b>Steel Beam:</b>	<b>FWD</b>	<b>REAR</b>	<b>Yr-Fab</b>	
<b>Weight (#/ft):</b>	0	0		
<b>SX (in3):</b>	0	0		

**Piles:**

**# of Piles:** 7      **Super Structure Height (ft.):** 3.80  
**Overburden**  
**Soil (in.):** 0.00      **Asphalt (in.):** 2.00

<u>Pile</u>	<u>Cir</u>	<u>Core Loc</u>	<u>Depth</u>	<u>Pent</u>	<u>Unbrace</u>	<u>Condition</u>	<u>Length</u>	<u>Spacing</u>
1	37.50	7.0' below cap	5.20	0.75	10.50	Fair	10.50	6.40
2	43.00	7.0' below cap	1.00	0.50	6.00	Poor	11.00	6.50
3	39.50	7.0' below cap	5.00	0.50	4.20	Fair	11.00	5.70
4	39.70	7.0' below cap	5.80	0.50	5.00	Poor	11.00	6.90
5	37.80	7.0' below cap	6.00	0.50	10.00	Straddle bent - Fair	10.00	5.50
6	39.00	7.8' below cap	5.80	0.50	11.80	Fair	11.80	0.00
7	35.80	7.0' below cap	5.80	0.50	10.00	Straddle bent - Fair	10.00	0.00

**Comments:**

All Pile sounded and cored 10/18/00, JAA/ AW.  
 All pile sounded 10/17/02  
 All Piles Sounded & Cored 9/22/04  
 All piles sounded 9/15/06  
 Pile 2 cored 9/15/06  
 Pile 2 has a 3 1/2" hull; center is rotten (No Change 9/25/08) --- 9/02/2010: Pile Now has a 2.5" Hull center is rotten. (No change 8/30/2012)  
 Pile 4 has a 1/2" D x 4" W rotten section Also has a 4" D x 6" W Rotten section. --- 9/02/2010 no change (No change 8/30/2012)  
 All Piles Sounded & Cored 9/25/08.  
 All Piles Sounded & pile #2 cored 9/2/2010.  
 All Piles Sounded & pile #2 cored 8/30/2012.

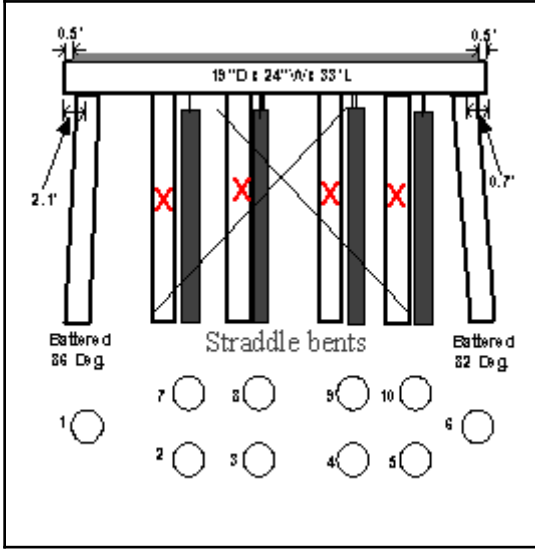
# GEORGIA DEPARTMENT OF TRANSPORTATION

## SubStructure Report

**District:** 3  
**Bridge Inspector:** Bryon Patterson  
**Location ID:** 255-02082F-010.10N  
**Structure ID:** 255-0039-0

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**County:** Spalding  
**Road Name:** VAUGHN ROAD

**Inspection Area:** 03  
**Skew:** 00



<b>Bent #:</b>	5		<b>Picture Type:</b>	2	
<b>Deck:</b>	<b>Material:</b> Concrete	<b>Width:</b> 32.00	<b>Depth:</b> 12.00	<b>Plank:</b> 0.00	
<b>Cap:</b>	<b>Material:</b> Cast-In-Place				
<b>Beam:</b>	<b>Material:</b> Concrete	<b>Width:</b> 36.00	<b>Depth:</b> 12.00	<b>FWD REAR</b>	<b>FWD REAR</b>
<b>Steel Beam:</b>	<b>Weight (#/ft):</b>	0	<b>Yr-Fab</b>		
	<b>SX (in3):</b>	0			

**Piles:**

**# of Piles:** 10      **Super Structure Height (ft.):** 3.80  
**Overburden**  
**Soil (in.):** 0.00      **Asphalt (in.):** 2.00

<u>Pile</u>	<u>Cir</u>	<u>Core Loc</u>	<u>Depth</u>	<u>Pent</u>	<u>Unbrace</u>	<u>Condition</u>	<u>Length</u>	<u>Spacing</u>
1	36.70	3.0' below cap	5.80	0.50	7.30	Fair	7.30	6.60
2	38.00	5.5' below cap	5.80	0.50	8.50	Straddle bent - Fair	8.50	7.10
3	36.20	5.7' below cap	5.20	0.50	8.00	Straddle bent - Fair	8.00	5.60
4	36.00	5.8' below cap	5.80	0.50	7.00	Straddle bent - Fair	7.00	5.80
5	35.50	5.4' below cap	5.80	0.50	8.00	Straddle bent - Fair	8.00	5.50
6	36.00	6.7' below cap	5.80	0.63	9.60	Fair	9.60	0.00
7	34.50	3.7' below cap	5.20	0.75	6.20	Straddle bent - Fair	6.20	7.10
8	35.50	4.0' below cap	5.50	0.25	7.00	Straddle bent - Fair	7.00	5.60
9	36.20	4.4' below cap	5.00	0.50	6.40	Straddle bent - Fair	6.40	5.80
10	39.80	5.0' below cap	5.80	0.50	6.20	Straddle bent - Fair	6.20	0.00

**Comments:**

All Pile sounded and cored 10/18/00, JAA / AW.  
 All pile sounded 10/17/02  
 All Piles Sounded & Cored 9/22/04  
 All piles sounded 9/15/06  
 Pile 7 cored 9/15/06  
 All Piles Sounded & Cored 9/25/08.  
 All Piles Sounded 9/2/2010.  
 All Piles Sounded 8/30/2012.

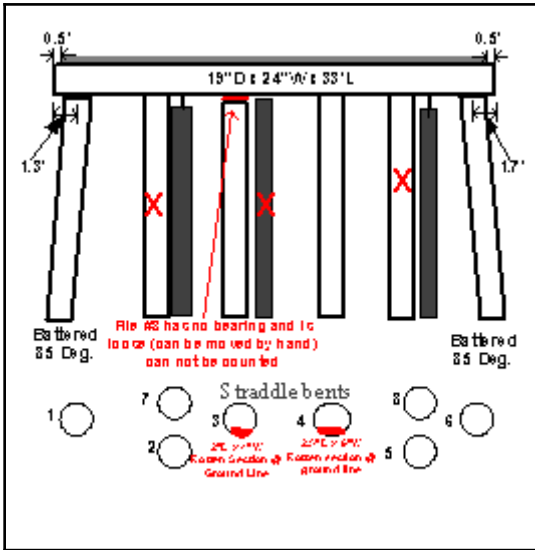
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## SubStructure Report

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**Bridge Inspector:** Bryon Patterson  
**Location ID:** 255-02082F-010.10N  
**Structure ID:** 255-0039-0

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**Over:** HEADS CREEK  
**County:** Spalding  
**Road Name:** VAUGHN ROAD

**Inspection Area:** 03  
**Skew:** 00



<b>Bent #:</b> 6	<b>Picture Type:</b> 2			
<b>Deck:</b>	<b>Material:</b> Concrete	<b>Width:</b> 32.00	<b>Depth:</b> 12.00	<b>Plank:</b> 0.00
<b>Cap:</b>	<b>Material:</b> Cast-In-Place			
<b>Beam:</b>	<b>Material:</b> Concrete	<b>Width:</b> 36.00	<b>Depth:</b> 12.00	
	<b>FWD</b>	<b>REAR</b>	<b>FWD</b>	<b>REAR</b>
<b>Steel Beam:</b>	<b>Material:</b> Concrete	Concrete		
	<b>FWD</b>	<b>REAR</b>	<b>Yr-Fab</b>	
<b>Weight (#/ft):</b>	0	0		
<b>SX (in3):</b>	0	0		

**Piles:**

**# of Piles:** 8      **Super Structure Height (ft.):** 3.80  
**Overburden**  
**Soil (in.):** 0.00      **Asphalt (in.):** 2.00

<u>Pile</u>	<u>Cir</u>	<u>Core Loc</u>	<u>Depth</u>	<u>Pent</u>	<u>Unbrace</u>	<u>Condition</u>	<u>Length</u>	<u>Spacing</u>
1	38.00	0.9' below cap	6.00	0.25	2.60	Fair	2.60	7.90
2	34.00	1.0' below cap	4.80	0.38	3.20	Straddle bent - Fair	3.20	3.60
3	39.00	2.1' below cap	5.80	0.25	3.90	Minor rotten section	3.90	6.70
4	33.50	1.8' below cap	5.50	0.75	4.50	Minor rotten section	4.50	7.60
5	35.50	1.5' below cap	5.50	0.25	4.00	Straddle bent - Fair	4.00	4.20
6	39.50	1.0' below cap	5.80	0.25	3.60	Fair	3.60	0.00
7	34.00	1.1' below cap	5.00	0.50	1.90	Straddle bent - Fair	1.90	0.00
8	35.50	1.1' below cap	5.50	0.25	2.90	Straddle bent - Fair	2.90	0.00

**Comments:**

All Pile sounded and cored 10/18/00, JAA / AW.  
 All pile sounded 10/17/02  
 All Piles Sounded & Cored 9/22/04  
 All piles sounded 9/15/06  
 Pile 4 cored 9/15/06  
 Pile 3 has no bearing needs a shim  
 Pile #3 has a 2"D x 4"W rotten Section @ the ground line. (no change 9/2/2010, 8/30/2012)  
 All Piles Sounded & Cored 9/25/08.  
 All Piles Sounded 9/2/2010.  
 Pile #4 has a 2.5"D x 9"W rotten section @ the Ground line. (No change 8/30/2012)  
 Pile #3 has no bearing and is loose (can be moved by hand), can not count.  
 All Piles Sounded 8/30/2012.