

# Bridge Inspection Report

**06446**  
**US 65-19 LM 6.45**  
**over**  
**SH 1 and UPRR**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

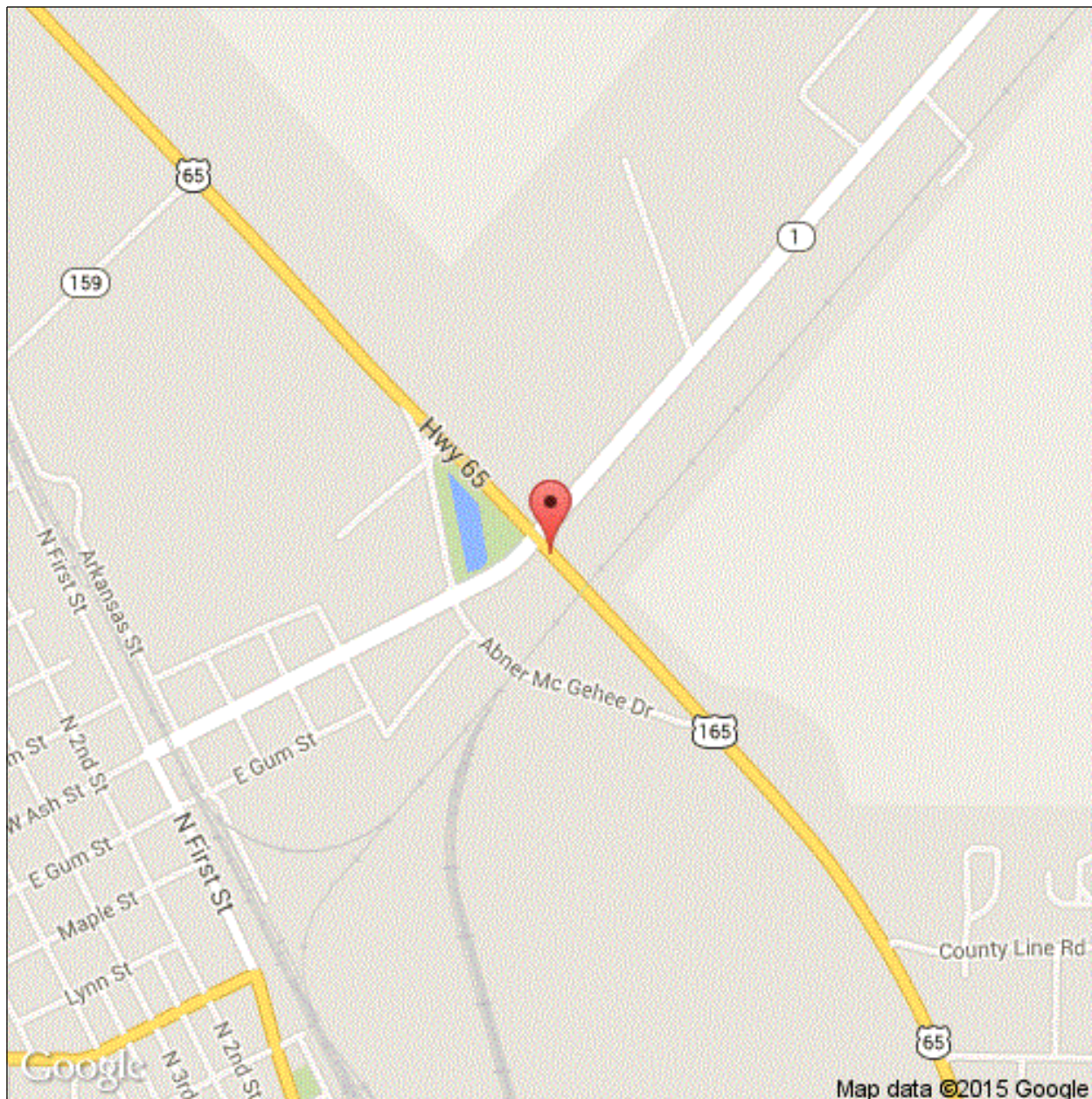
Structure Number: 06446

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## Bridge Inspection Report

### Location Map



Latitude: 33.63770

Longitude: -91.39145

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## Bridge Inspection Report

## Element Inspection

## Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	64064	sq. ft.	63283	781	0	0
1120 - Efflorescence/Rust Staining		781		0	781	0	0
107 - Steel Open Girder/Beam	1- Ben.	1300	ft.	1300	0	0	0
515 - Steel Protective Coating		7917	sq. ft.	7917	0	0	0
109 - Prestressed Concrete Open Girder/Beam	1- Ben.	7490	ft.	7490	0	0	0
205 - Reinforced Concrete Column	1- Ben.	48	each	48	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	166	ft.	166	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	828	ft.	828	0	0	0
301 - Pourable Joint Seal	1- Ben.	350	ft.	205	0	30	115
2310 - Leakage		30		0	0	30	0
2320 - Seal Adhesion		115		0	0	0	115
310 - Elastomeric Bearing	1- Ben.	130	each	130	0	0	0
311 - Movable Bearing	1- Ben.	20	each	20	0	0	0
313 - Fixed Bearing	1- Ben.	20	each	20	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	1758	ft.	1758	0	0	0

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## Element Inspection

## Main - Railroad (Spans 7-9 - steel girders)

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	9464	sq. ft.	9432	32	0	0
	Deck: 72.8' wide x 130' long. Scattered transverse and longitudinal cracks up to 0.040".						
1120 - Efflorescence/Rust Staining		32			32		
107 - Steel Open Girder/Beam	1- Ben.	1300	ft.	1300			
	Girders: 10 per span / 130' total span (40'-50'-40'). Coating: (W24x76) 6.09 sqft/lf.  Few loose bolts at diaphragm connections.  All beams are brown with a granular texture.						
515 - Steel Protective Coating		7917	sq. ft.	7917			
205 - Reinforced Concrete Column	1- Ben.	16	each	16			
	Columns: 4 per bent / Bents 7-10.						
234 - Reinforced Concrete Pier Cap	1- Ben.	276	ft.	276			
	Caps: 69' each (2 - 34.5' sections) / Bents 7-10. Very small vertical cracks in caps.						
301 - Pourable Joint Seal	1- Ben.	140	ft.	60	0	30	50
	Joints: 70' each / Bents 7 & 10. Pourable joints have lost bond and leaking.						
2310 - Leakage		30				30	
2320 - Seal Adhesion		50			0		50
311 - Movable Bearing	1- Ben.	20	each	20			
	Movable bearings: 10 per bent / Bents 7a & 10b.						
313 - Fixed Bearing	1- Ben.	20	each	20			
	Fixed bearings: 10 per bent / Bents 8 & 9.						
331 - Reinforced Concrete Bridge Railing	1- Ben.	260	ft.	260			
	Railing: 130' each side. Some small areas cracked or spalled from collision damage.						

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## Bridge Inspection Report

## Element Inspection

## Approach (Spans 1-6 &amp; 10-13 - PS girders)

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	54600	sq. ft.	53851	749	0	0
	Deck: 72.8' wide x 749' long. All spans: Unsealed, hairline- to minor-sized transverse cracks - 10-15' spacing.  Soffit - all spans: Efflorescence (no rust staining) showing from transverse cracks between Girders 5 & 6 (20% of this bay only).						
1120 - Efflorescence/Rust Staining		749			749		
109 - Prestressed Concrete Open Girder/Beam	1- Ben.	7490	ft.	7490	0		0
	Girders: 10 per span / 749' total span (Spans 1-3: 75'-75'-75', Span 4-6: 76'-76'-76', Spans 10-13: 74'-74'-74') Small spalls and vertical cracks on outer girders at continuous bents. Span 2 Girder 8 has a small delamination with minor scrapes due to traffic impact.						
205 - Reinforced Concrete Column	1- Ben.	32	each	32			0
	Columns: 4 per bent / Bents 2-6 & 11-13. Bent 10: Small spall and vary little rebar exposed.						
215 - Reinforced Concrete Abutment	1- Ben.	166	ft.	166	0		0
	Abutments: 83' each / Bents 1 & 14. Very small vertical cracks in both abutments.						
234 - Reinforced Concrete Pier Cap	1- Ben.	552	ft.	552			0
	Caps: 69' each (2 - 34.5' sections) / Bents 1-6 & 10-13. Very small vertical cracks in caps.						
301 - Pourable Joint Seal	1- Ben.	210	ft.	145	0	0	65
	Joints: 70' each / Bents 1, 4, & 14. Pourable joints has lost bond and leaking.						
2320 - Seal Adhesion		65					65
310 - Elastomeric Bearing	1- Ben.	130	each	130			
	Bearings: 10 per bent / Bents 1-3, 4b, 4a, 5-6, 7b, 10a, 11-14.						
331 - Reinforced Concrete Bridge Railing	1- Ben.	1498	ft.	1498	0		0
	Railing: 749' each side. Some small areas cracked or spalled from collision damage.						



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 3/2/2011 12:00:00 AM

Priority: C - Important

Work Code: Repair

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#### Deficiency Description:

Pourable joint material -

Bent 4: Material has come loose and is drooping down across most of joint (50').

Bent 7: Material is beginning to come loose and is allowing stormwater to leak through onto ends of girders, bearing, and caps, mainly on right side (30')

Bent 10: Material has come loose and is drooping down across most of joint (50').

Bent 14: Material loose and drooping down - 3' left lane at skip line & 12' right outside lane.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Joint - Bent 14

Stage: Open



PHOTO 2      Description      Joint - Bent 10

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## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 3    Description    Joint - Bent 7 right

Stage: Open



PHOTO 4    Description    Joint- Bent 4



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 03/19/2015

Priority: D - Routine

Work Code: Repair

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#### Deficiency Description:

Approach roadway - Bents 1 & 14: Some minor settlement right at bridge ends, causing a bump for traffic going onto and off of bridge.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1    Description    Approach- Bent 14

Stage: Open



PHOTO 2    Description    Approach - Bent 1



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 03/19/2015

Priority: G - General/ Preventive maintenance

Work Code: Repair

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#### Deficiency Description:

Deck - all spans: Unsealed, hairline- to minor-sized transverse cracks - with reflective efflorescence on soffit between Girders 5 & 6 - and some hairline- to minor-sized longitudinal cracks beginning to form in the outside lanes along the edges of girders.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Deck - Span 9 left

Stage: Open



PHOTO 2      Description      Deck - Span 2 right

