Illinois Department of Transportation

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Element Level Inspection Report

SN: 0460086 **District:** 3 **Spans:** 4 **Appr. Spans:** 0 **Skew:** 02 **ADT:** 1400 **Truck Pct:** 27 **ADT Un:** 25

Facility Carried: TR 37 **Name:**

Feature Crossed: I-57 **Location:** 3 2 MI N ILL 50

Inspection Date: 02/27/2006 **Inspection Notes:**

Inspector 1: HENRICHSMW

Inspector 2: PARSONSAD **Temp:** 36

Resources

Time to Insp:		Trffc Ctrl:		Boat:		Waders:		Snooper:	
		Ladder:		Manlift:		Other:			

Inspector's Appraisals

Elem	Element Desc	Env	Quantity	Un	CS1	CS2	CS3	CS4	CS5
12	Concrete Deck Bare	1	6587	SF	3647	2880	60	0	0
	Remarks:								
110	Reinforced Conc Open Girder	3	900	LF	850	30	20	0	0
	Remarks:								
210	Reinforced Conc Pier Wall	3	1321	SF	1313	8	0	0	0
	Remarks:								
215	Reinforced Conc Abutment	3	546	SF	546	0	0	0	0
	Remarks:								
234	Reinforced Conc Pier or Abutment Cap	3	149	LF	144	5	0	0	0
	Remarks:								
313	Fixed Bearing	3	4	EA	4	0	0	0	0
	Remarks:								
316	Moveable Steel Bearings below continuous decks	3	16	EA	12	4	0	0	0
	Remarks:								
323	Approach Pavement	1	2	EA	2	0	0	0	0
	Remarks:								
330	Metal Bridge Railing	1	480	LF	480	0	0	0	0
	Remarks:								

Illinois Department of Transportation
Structures Information Management System
Master Structure Report (S-107)

Structure Number: 046-0086 **District:** 3

Inventory Data

Facility Carried:	TR 37	Bridge Name:	
Feature Crossed:	I-57	Location:	3.2 MI N ILL 50
Bridge Remarks:			
Bridge Status:	1 OPEN - NO RESTRICT	StatusDate:	04/1988
Status Remarks:			
Maint County:	046 KANKAKEE	Maint Township:	02 BOURBONNAIS
Maint Responsibility:	01 I.D.O.T.		
Service On/Under:	1 HIGHWAY / 1 HIGHWAY		
Reporting Agency:	1 I.D.O.T. - BUREAU OF MAINTENANCE		
Main Span Matl/Type:	2 CONCRETE CONTINUOUS / 04 TEE BEAM		
Nbr Of Main Spans:	4	Nbr Of Approach Spans:	0

Approaches

Near #1 Matl/Type:	/
Near #2 Matl/Type:	/
Far #1 Matl/Type:	/
Far #2 Matl/Type:	/

Median Width/Type:	0 Ft. / 0 None
Guardrail Type L/R:	0 None / 0 None
Toll Facility Indicator:	0 No Toll
Latitude:	41 D 12 M 23.95 S
Longitude:	87 D 52 M 1.03 S
Deck Structure Type:	A CIP CON NRMLLY FORM
Sidewalks Under Structure:	0 None

Sufficiency Rating:	77.6
HBRRP Eligible:	No
Replaced By:	000-0000
Replaces:	000-0000
Last Update Date:	04/22/2006
Parallel Structure:	None
Multi-Level Structure Nbr:	
Skew Direction:	Left
Skew Angle:	02 D 00 M 00 S
Structure Flared:	No
Historical Significance:	No
Border Bridge State:	
Bdr State SN:	
Bdr State % Responsibility:	0
Structural Steel Wt:	0
Substructure Material:	

Structure Length:	226.0
AASHTO Bridge Length:	99.9
Length of Long Span:	68.0
Bridge Roadway Width:	24.0
Appr Roadway Width:	20.0
Deck Width:	29.7
Sidewalk Width Right:	0.0
Sidewalk Width Left:	0.0
Navigation Control:	N N/A
Navigation Horiz Clear:	0
Navigation Vert Clear:	0
Culvert Fill Depth:	0.0
Number Culvert Cells:	0
Culvert Opening Area:	0.0
Culvert Cell Height:	0.00
Culvert Cell Width:	0.00

Rated By:	2 IDOT
Rate Method:	2 ALLOWABLE STRESS
Inventory Rating:	17.2 (231)
Load Rating Date:	02/08/1994
Operating Rating:	28.3 (251)
Design Load:	03 HS15
Deck Structure Thickness:	7.5

Railroad Crossing Info

Crossing 1 Nbr:	
Crossing 1 Nbr:	
RR Lateral Underclear:	00.0
RR Vertical Underclear:	00 Ft 00 In

Key Route On Data

Key Route Nbr:	TOWNSHIP OR ROAD DISTRICT 0037	Station:	004.660
Appurtenances	Main Route 00.000	Segment:	
Inventory County:	046 KANKAKEE	Linked:	Y
Township/Road Dist	02 BOURBONNAIS	Natl. Hwy System:	Not on NHS
Municipality	0000	Inventory Direction:	E East
Urban Area:	2915	Curr AADT Yr/Count:	2002 / 1400
Functional Class:	90 LOCAL STREET, (URBAN)	Est Truck Percentage:	27
		Number Of Lanes:	2
		One Or Two Way:	2 Two-Way
		Bypass Length:	2
		Future AADT Yr/Cnt:	2027 / 1900
		Designated Truck Rte:	NONE
		Special Systems:	No

** CLEARANCES **

	South/East	North/West
Max Rdwy Width:	024.0	
Horizontal:	028.0	000.0
Min Vertical:	99 Ft 11 In	00 Ft 00 In
10 Ft Vertical:	99 Ft 11 In	00 Ft 00 In
Lateral:		

Key Route Under Data

FEDERAL-AID INTERSTATE 0057		Station:	016.630
Main Route 00.000		Segment:	
046 KANKAKEE		Linked:	Y
07 MANTENO		Natl. Hwy System:	On NHS
0000		Inventory Direction:	
2915		Curr AADT Yr/Count:	2005 / 26600
10 INTERSTATE, FAI		Est Truck Percentage:	25
		Number Of Lanes:	4
		One Or Two Way:	2 Two-Way
		Bypass Length:	2
		Future AADT Yr/Cnt:	2027 / 54000
		Designated Truck Rte:	CLASS I
		Special Systems:	Yes

	South/East	North/West
	000.0	
	064.9	064.8
	16 Ft 05 In	16 Ft 02 In
	17 Ft 00 In	17 Ft 00 In
	10.2 Ft	30.6 Ft

*** Marked Route On Data ***

	Designation	Kind	Number
Route #1:	1 Mainline	4 FAS, CH, or TR's Unmarked	0037
Route #2:			
Route #3:			

*** Marked Route Under Data ***

	Designation	Kind	Number
	1 Mainline	1 Interstate Highway	0057

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Structures Information Management System
Master Structure Report (S-107)

Structure Number: 046-0086 **District:** 3

Data Related to Inspection Information

***Inspection Intervals ***

Routine NBIS:	24 MOS	Underwater:	0 MOS	One Truck At A Time:	
Fracture Critical:	0 MOS	Special:	MOS	Single Unit Vehicles:	Tons

*** Maximum Allowable Posting Limits ***

Combination Type 3S-1:	Tons
Combination Type 3S-2:	Tons

Bridge Posting Level: 5 No Posting Required

Inspection/Appraisal Information

Inspection Date:	02/27/2006	
Inspection Temperature:	36 Deg. F	
Deck:	6	SATISFACTORY CONDITION - MINOR DETERIORATION
Superstructure:	6	SATISFACTORY CONDITION - MINOR DETERIORATION
Substructure:	7	GOOD CONDITION - SOME MINOR PROBLEMS
Culvert:	N	NOT APPLICABLE
Channel and Protection:	N	NOT APPLICABLE
Structural Evaluation:	6	EQUAL TO PRESENT MINIMUM CRITERIA
Deck Geometry:	4	MINIMUM ADEQUACY TO BE LEFT IN PLACE
Underclearance-Vert/Lat.:	4	MINIMUM ADEQUACY TO BE LEFT IN PLACE
Waterway Adequacy:	N	NOT APPLICABLE
Approach Roadway Align:	8	EQUAL TO PRESENT DESIRABLE CRITERIA
Bridge Railing Appraisal:	3	Meets Standards
Approach Guardrail:	333	Acceptable / Acceptable / Acceptable
Pier Navig Protection:	N	N/A

Insp by (Name):	HENRICHSMW	
Insp by (Name):	PARSONSAD	
Utilities Attached:	N	N/A
	N	N/A
	N	N/A
Deck Wearing Surf:	A	BARE DECK NO OVRLAY
Deck Membrane:	F	NONE
Deck Protection:	J	NONE
Total Deck Thick:	07.5	
Last Paint Date:		

** Actual Posted Limits **

Single Unit Vehicles:	Tons
Combination Type 3S-1:	Tons
Combination Type 3S-2:	Tons
One Truck At A Time:	
Last Paint Type:	

Inspection Remarks:

2006 ALL DIAPHS IN MID SPAN ARE CRACKED W/GAPS ESPECIALY MIDDLE DIAPH OVER NB P PASSING LANE HAS POSSIBLE POPOUT. FEW DELAMS ON E PIER W FACE. DELAMS @ CONST J TS GETTING WORSE.

Underwater Inspection/Appraisal Information

Inspection Date:		Inspection Category:	
Temperature:		Inspection Method:	
Inspected By:		Inspected By:	
Appraisal Rating:			

Inspection Remarks:

Scour Critical Information

Rating:	
Evaluation Method:	
Analysis Date:	
Analysis By:	

Miscellaneous

Fracture Critical Members:	No
Microfilm Data Recorded:	Yes

Construction Information

Year:	1964 Original		Reconstructed	
Route:	FAI-57	Sta: 474+73.50		Sta:
Section Nbr:	46-1HB			
Contract Nbr:				
Fed Aid Pr #:	00000000000000			
Built By:	1 I.D.O.T.			

Waterway Information

Flood Design Frequency:	0 YRS	Drainage Area:	0 Acre
Flood Design Q (CFS):	0		
Flood Design Nat H W E:	0	Flood Base Q (CFS):	0
Flood Des Open Prop:	0 SF	Flood Base Nat H W E:	0

Proposed Improvement

Cost Estimate Year:		Length:	
Type of Work:			
Done By:			
Remarks:			

*** Costs in Dollars ***

Bridge Cost:	
Roadway Cost:	
Total Project Cost:	