

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

Ohio [39]	Preble County [135]	Israel [37590]	S OF CH 45	00-00-00 = 0.000000	000-00-00 = - 0.000000
6841333	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	CONCORD FAIRHAVEN	Toll On free road [3]	Features intersected	FOUR MILE CREEK	
Design - main	Steel [3]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built	1955
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	25.3 m = 83.0 ft	Length of maximum span	23.2 m = 76.1 ft	Deck width, out-to-out	4.9 m = 16.1 ft
Inventory Route, Total Horizontal Clearance	4.9 m = 16.1 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type	Corrugated Steel [6]				
Type of wearing surface	Bituminous [6]				
Deck protection	Galvanized Reinforcing [2]				
Type of membrane/wearing surface	Preformed Fabric [2]				

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	32.4 metric ton = 35.6 tons
0.3 km = 0.2 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	40.5 metric ton = 44.6 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic  Average daily truck traffi  % Year  Future average daily traffic  Year

Road classification  Lanes on structure  Approach roadway width

Type of service on bridge  Direction of traffic  Bridge median

Parallel structure designation

Type of service under bridge  Lanes under structure  Navigation control

Navigation vertical clearanc  Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge  Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right  Minimum lateral underclearance on left

Minimum Vertical Underclearance  Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

### Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost  Roadway improvement cost

Length of structure improvement  Total project cost

Year of improvement cost estimate

Border bridge - state  Border bridge - percent responsibility of other state

Border bridge - structure number

## Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Excellent [9]		
Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]		
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]		
Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	46.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	May 2010 [0510]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2010 [0510]
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: **English**  
Structure File Number **6841333**  
Sufficiency Rating: **29.9 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **PRE T0216 0065**  
**ON FOUR MILE CREEK**

Report Date **02/27/2013** BM-191 Page: 1 of 2  
**BR. Type STEEL / TRUSS / PONY (TRUSS)**  
Date of Last Inventory Update: **11/14/2012**

District: **08** County **PREBLE** (101) Location: **S OF CH 45** (102) Facility Carried: **CONCORD FAIRHAVEN**  
(2) FIPS Code: **ISRAEL TWP** (103) Route On Bridge: **TOWNSHIP** (104) Route Under Bridge: **NON-HIGHWAY**  
(9) Direction of Traffic: **ONE LANE FOR 2-WAY TRAFFIC** (10) Temporary: **N** (11) Truck Network: **N** (12) Parallel: **N**  
(95) Insp: **COUNTY** (96) Maint: **COUNTY** (97) Routine: **COUNTY** (100) Type Serv: (On): **HIGHWAY** (Under): **WATERWAY**

**Inventory Route Data**  
(3) Route On/Under: **ON** Hwy Sys: **COUNTY/TOWNSHIP HIGHWAY** (63) Main Spans Number: 1 Type: **STEEL / TRUSS / PONY (TRUSS)**  
Route No.: **T0216** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**  
Total Spans: 1 (65) Max Span: **76** Ft (66) Overall Leng: **83** Ft

(4) Feature Intersected: **FOUR MILE CREEK** (70) Substructure (71) Foundation and Scour Information  
(5) County: **ISR** Mileage: **0065** Special Desig: Abut-Rear Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**  
(6) Avg. Daily Traffic(ADT): **70** (7) ADT Year: **1969** Abut-Fwd Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**  
(8) Truck Traf: **7** (14) NHS: **NO - X** (15) Corridor: **N** Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable** Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**

**Intersected Route Data**  
(22) Route On/Under: Hwy Sys: No of Piers Predominate: **NN** Other: **NN** Other: **NN**  
Route No.: Dir: Des: Pref: (86) Stream Velocity: **UUU** (74) Scour: **COUNTERMEAS INSTALLED TO CORRECT PROBLEM**  
(23) Feature Intersected: (189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **OTHER-GRASS, BUSHES & TREES**  
(24) County: Mileage: Special Desig: (189) Date of last Dive Insp: (152) Drainage Area: **UUU** Sq Mi

(25) Avg. Daily Traffic(ADT): **0** (26) ADT Year:  
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:  
(30) Functional Class: (36) Strahnt: **Not Applicable**

**Clearance Under the Bridge**  
(156) Min. Horiz Under Clear: NC: **0.0** Ft Card: **0.0** Ft  
(157) Prac Max Vrt Under Clear: **0.0** Ft  
(77) Min Vert Under Clear: NC: **0.0** Ft Card: **0.0** Ft  
(78) Min Lat Under Clear: NC: **0.0 / 0.0** Ft Card: **0.0 / 0.0** Ft

**Clearance On the Bridge**  
(154) Min Hriz on Bridge: NC: **0.0** Ft Card: **16.0** Ft  
(155) Prac Max Vert On Brg: **9999.9** Ft  
(67) Min Vrt Clr On Brg: NC: **0.0** Ft Card: **9999.9** Ft  
(80) Min Latl Clr: NC: **0.0 / 0.0** Ft Card: **0.0 / 0.0** Ft  
(81) Vrt Clr Lft: **0.0** Ft

**Structure Information**  
(38) Bypass Length: **02** Miles  
(39) Latitude: **39 Deg 39.1 Min** Longitude: **84 Deg 46.1 Min**  
(40) Toll: **ON FREE ROAD**  
(41) Date Built: **07/01/1955** (42) Major Rehabilitation:  
(43) No. Lanes On: **1** No. Lanes Under: **0**  
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0** Deg  
(49) App. Rdw Width: **21** Ft (50) Brg. Rdw Width: **16.0** Ft  
(51) Deck Width: **16.0** Ft Deck Area: **1324** Sq. Ft  
(52) Median Type: **NONE / NON BARRIE / NO JOINT**  
(53) Bridge Median: **NO MEDIAN**  
(54) Sidewalks: (left) **0** Ft (right) **0** Ft  
(55) Type Curb or Sidewalks:  
(Left) Matl: **NONE** Type: **NONE**  
(Right) Matl: **NONE** Type: **NONE**  
(56) Flared: **N** (57) Composite:

**Load Rating Information** (88-89) Appraisal  
(48) Design Load: **HS/20** (Including calculated Items)  
(83) Operating: **45** Ton  
Inventory: **36** Ton  
Ohio Percent of Legal Load **145** (88) Waterway Adequacy **7**  
Year of Rating: **2012** (89) Approach Alignment **4**  
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **3**  
(85) Rate Soft: **COMBINATION** Analyzed by: Calc Deck Geometry: **3**  
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

**Approach Information**  
(109) Approach Guardrail: **NONE**  
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **GOOD**

**Culvert Information**  
(131) Culvert Type: **NONE/NOT APPLICBLE** (127) Length: **0.0** Ft  
(129) Depth of Fill: **0.0** Ft (130) Headwalls: **NONE**

**General Information**  
(121) Main Member **ROLLED STEEL** (122) Moment Plate: **NONE**  
(169) Expansion Joint: **SLIDING METAL PLATE ANGLE**  
(124) Bearing Devices: **SLIDING (BRONZE)/NONE**  
(126) Navigation: **Control- X** Vert Clr: **0.0** Ft Horiz Clear: **0.0** Ft  
(193) Spec Insp: **N** Freq: **0** Date:  
(188) Fracture Critical Insp: **Y** Freq: **24** Date: **2012-05-18**  
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**  
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**  
Railing: **UNKNOWN**  
Paint: **OTHER**  
Pay Wt: **0** pounds Prime Loc: **UNKNOWN**  
Bridge Dedicated Name:

Unit of Measure: **English**  
 Structure File Number **6841333**  
 Sufficiency Rating: **29.9 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **PRE T0216 0065**  
**ON FOUR MILE CREEK**

Report Date **02/27/2013** BM-191 Page: 2 of 2  
 BR. Type **STEEL/TRUSS/PONY (TRUSS)**  
 Date of Last Inventory Update: **11/14/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NOT HISTORIC</b>		(69) NBIS: <b>Y</b>		(142) Fabricator:			
(---) Hist Builder: <b>CHAMPION BRIDGE CO (WILMINGTON, OH)</b>		Hist Build Year: <b>1955</b>		(143) Contractor:			
(69) Hist Type: <b>WARREN (RIVETED)</b>				(144) Ohio Original Construction Project No.:			
(161) Special Features (see below):				(---) Microfilm Reel:			
(105) Border Bridge State: Resp % (106) SFN:				(151) Standard Drawing:			
Proposed Improvements		Programming Info		Plan Information Available: <b>2FIELD MEASURED INFORMATION</b>			
(90) Type Work: <b>31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM</b>		PID Number:		(153) Repair Projects			
(90) Length: Ft		PID Status:		1. / <b>020</b>		3.	
(90) Bridge Cost (\$1000s): <b>0</b>		PID Date:		4.		6.	
(90) Roadway Cost (\$1000s): <b>0</b>				7.		9.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		10.			
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2034</b>					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>9</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(46) Electric: <b>U</b>	(161) Lighting: <b>N</b>	Gas: <b>U</b>	Fencing: <b>N</b>	(184) Signs-on: <b>Y</b>	
(I-32) Superstructure: <b>6</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Sanitary Sewer: <b>U</b>	Glare-Screen: <b>N</b>	Telephone: <b>U</b>	Splash-Guard: <b>N</b>	Signs-Under: <b>N</b>	
(I-42) Substructure: <b>3</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	TV Cable: <b>U</b>	Catwalks: <b>N</b>	Water: <b>U</b>	Other-Feat: <b>U</b>	(162) Fence-Ht: <b>0.0 Ft</b>	
(I-50) Culvert: <b>8</b>	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Other: <b>U</b>	Other-Feat: <b>U</b>	(163) Noise Barr: <b>N</b>			
(I-54) Channel: <b>8</b>	In Depth: <b>1 MEETS CURRENT STANDARDS</b>						
(I-60) Approaches: <b>8</b>	Fracture Critical: <b>1 MEETS CURRENT STANDARDS</b>						
(I-66) General Appraisal: <b>3</b>	Scour Critical: <b>N NONE N/A</b>						
(I-66) Operational Status: <b>A</b>	Critical Findings: <b>N NONE N/A</b>						
Inspection Date: <b>05/18/2012</b>	Insp. Update Date: <b>07/31/2012</b>						
(94) Desig Insp Freq: <b>12 Months</b>							
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: <b>PRE-T0216-0065 -</b>			
SFNs That where replaced by this bridge: -				INT Field Bridge Marker: <b>---</b>			
This bridge was retired and copied to:							
The bridge was copied from:							

**PONTIS CoRe elements and Condition States**

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
		0						

(\*) Percentages Should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

6	8	4	1	3	3	3
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Bridge Number **PRE T0216 0065**  
CO ROUTE UNIT

ISRAEL TWP

Date Built **07/01/1955**

District **08** Bridge Type **STEEL/TRUSS/PONY (TRUSS)**

Type Service **1 15 FOUR MILE CREEK**

**PRE**

<b>DECK</b>		Out/Out 16.0			THCK = 5.0	
1. Floor	6-CORRUGATED STEEL PLATE	8	1	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
	N-NONE				W.S. Date =	
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	0-OTHER	10	3	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	2-SLIDING METAL PLATE AN	11	1	<b>8. Summary</b>		44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=76				
9. Alignment			1	10. Beams/Girders/Slab	1-ROLLED STEEL	45
11. Diaphragms or Crossframes	TOT.LGTH=83			12. Joists/Stringers		46
13. Floor Beams			2	14. Floor Beam Connections		47
15. Verticals			1	16. Diagonals		48
17. End Posts			1	18. Top Chord		49
19. Lower Chord			1	20. Lower Lateral Bracing		50
21. Top Lateral Bracing				22. Sway Bracing		51
23. Portals				24. Bearing Devices	3-SLIDING (BRONZE) N-NONE	52
25. Arch				26. Arch Columns or Hangers		53
27. Spandrel Walls				28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1987	54
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections		55
31. Live Load Response			S	<b>32. Summary</b>		56
<b>SUBSTRUCTURE</b>		2-CONCRETE		PIERS=0	SPANS = 1	
33. Abutments	2-CONCRETE	24	3	34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls			1	38. Wingwalls	ABUTMENT:=SPREAD / SPREAD	59
39. Fenders and Dolphins				40. Scour	7-COUNTERMEAS INSTALLED	60
41. Slope Protection	N-NONE	28		<b>42. Summary</b>	DIVE DT=N/A	62
<b>CULVERTS</b>						
43. General				44. Alignment		63
45. Shape				46. Seams		64
47. Headwalls or Endwalls				48. Scour		65
49.				50. Summary		66
<b>CHANNEL</b>				0-OTHER-GRASS, BUSHES & TREES		
51. Alignment			1	52. Protection		67
53. Waterway Adequacy			1	<b>54. Summary</b>		68
<b>APPROACHES</b>						
55. Pavement	2-BITUMINOUS	35	1	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=16.0	37	1	<b>60. Summary</b>	PCT.LEGAL=145	71
<b>GENERAL</b>				ROUTINE.RESP: 3-COUNTY		
61. Navigation Lights				62. Warning Signs	MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=9999 UND=0000			64. Utilities		73
65. Vertical Clearance			N	<b>66. General Appraisal &amp; Operational Status</b>		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

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76 PE

R	S
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78 INITIALS

SIGNED

	7	1	2	8	8
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81 PE

R	C
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83 INITIALS

DOT 2852

DECK AREA 1,324

Date

0	5	1	8	1	2
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86

91

0	0	0	0	1	1	N	N
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92

69 Survey

99

Date

0	7	3	1	1	2
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100

105

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**BRIDGE INSPECTION REPORT**

BR-86 REV 02-95

6	8	4	1	3	3	3
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1 Structure File Number 7

Bridge Number **PRE T0216 0065**  
CO ROUTE UNIT

**Date Built 07/01/1955**

District **08** Bridge Type **STEEL/TRUSS/PONY (TRUSS)**

Type Service **1 15**

**FOUR MILE CREEK**

00 NO REMARKS FOUND FOR THIS INSPECTION.

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