

Unit of Measure: **English**  
Structure File Number **6834078**  
Sufficiency Rating: **39.4 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **PRE T0419 0045**  
**ON RAPES RUN**

Report Date **02/27/2013** **BM-191** Page: 1 of 2  
**BR. Type STEEL / BEAM / SIMPLE SPAN**  
Date of Last Inventory Update: **11/21/2012**

District: **08** County **PREBLE** (101) Location: **E OF JORDAN RD** (102) Facility Carried: **UTZ RD**  
(2) FIPS Code: **TWIN 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**  
Route No.: **T0419** Dir: Des: **MAINLINE** Pref:  
(4) Feature Intersected: **RAPES RUN**  
(5) County: **TWI** Mileage: **0045** Special Desig:  
(6) Avg. Daily Traffic(ADT): **133** (7) ADT Year: **1988**  
(8) Truck Traf: **13** (14) NHS: **NO - X** (15) Corridor: **N**  
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable**

(63) Main Spans Number: 1 Type: **STEEL / BEAM / SIMPLE SPAN**  
Approach Spans Number: **0** Type: **NONE / NONE / NONE**  
Total Spans: 1 (65) Max Span: **18 Ft** (66) Overall Leng: **21 Ft**

**Intersected Route Data**  
(22) Route On/Under: Hwy Sys:  
Route No.: Dir: Des: Pref:  
(23) Feature Intersected:  
(24) County: Mileage: Special Desig:  
(25) Avg. Daily Traffic(ADT): **0** (26) ADT Year:  
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:  
(30) Functional Class: (36) Strahnt: **Not Applicable**

(70) Substructure (71) Foundation and Scour Information  
Abut-Rear Matl: **CONCRETE AND STONE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**  
Abut-Fwd Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**  
Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
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)**  
No of Piers Predominate: **NN** Other: **NN** Other: **NN**  
(86) Stream Velocity: **UUU** (74) Scour: **STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE**  
(189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **OTHER-GRASS, BUSHES & TREES**  
(189) Date of last Dive Insp: (152) Drainage Area: **UUU** Sq Mi

**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**

**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**

**Structure Information**  
(38) Bypass Length: **02 Miles**  
(39) Latitude: **39 Deg 49.1 Min** Longitude: **84 Deg 29.5 Min**  
(40) Toll: **ON FREE ROAD**  
(41) Date Built: **07/01/1900** (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: **17 Ft** (50) Brg. Rdw Width: **16.0 Ft**  
(51) Deck Width: **18.0 Ft** Deck Area: **377 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: **non-composite**  
(58) Railing: **TIMBER**  
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**  
(60) Deck Type: **CORRUGATED STEEL PLATE**  
(61) Deck Protection: External: **NONE**  
Internal: **NONE**  
(62) Wearing Surface: **BITUM (ASPHLT CONCRT)**  
Thickness: **6.0** in (119) Date of Wearing Surface:  
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

**Load Rating Information (88-89) Appraisal**  
(48) Design Load: **H/15** (Including calculated Items)  
(83) Operating: **45 Ton**  
Inventory: **36 Ton**  
Ohio Percent of Legal Load **100** (88) Waterway Adequacy **6**  
Year of Rating: **2008** (89) Approach Alignment **6**  
(84) Analysis: **ENGINEERING JUDGEMENT [DEFAULT]** Calc Gen Appraisal: **3**  
(85) Rate Soft: **NO SOFTWARE USED** Analyzed by: Calc Deck Geometry: **2**  
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

**Approach Information**  
(109) Approach Guardrail: **STEEL BEAM**  
(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: **NONE**  
(124) Bearing Devices: **SLIDING (BRONZE)/NONE**  
(126) Navigation: **Control- N** Vert Clr: **0.0 Ft** Horiz Clear: **0.0 Ft**  
(193) Spec Insp: **N** Freq: **0** Date:  
(188) Fracture Critical Insp: **N** Freq: **0** Date:  
(138) Long Member: **NOT APPLICABLE** (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 **6834078**  
 Sufficiency Rating: **39.4 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **PRE T0419 0045**  
**ON RAPES RUN**

Report Date **02/27/2013** BM-191 Page: 2 of 2  
 BR. Type **STEEL/BEAM/SIMPLE SPAN**  
 Date of Last Inventory Update: **11/21/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NON-REGISTERED HISTORIC BRIDGE</b>		(69) NBIS: <b>N</b>		(142) Fabricator:			
(---) Hist Builder: <b>NONE N/A</b>		Hist Build Year: <b>1877</b>		(143) Contractor:			
(69) Hist Type: <b>SHERMAN PATENT</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		Aperture Cards: Orig: <b>N</b> Repair: <b>N</b> Fabr: <b>N</b>			
(90) Type Work: -		PID Number:		Plan Information Available: <b>ONO PLANS OR INFORMATION AVAILABLE</b>			
(90) Length: Ft		PID Status:		(153) Repair Projects			
(90) Bridge Cost (\$1000s): <b>0</b>		PID Date:		1. / <b>020</b>		2. / <b>020</b>	
(90) Roadway Cost (\$1000s): <b>0</b>				4.		5.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		7.		8.	
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2033</b>		10.		9.	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>3</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(46) Electric: <b>U</b>	(161) Lighting: <b>N</b>	(161) Lighting: <b>N</b>			
(I-32) Superstructure: <b>5</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Gas: <b>U</b>	Fencing: <b>N</b>	Fencing: <b>N</b>			
(I-42) Substructure: <b>3</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Sanitary Sewer: <b>U</b>	Glare-Screen: <b>N</b>	Glare-Screen: <b>N</b>			
(I-50) Culvert:	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Telephone: <b>U</b>	Splash-Guard: <b>N</b>	Splash-Guard: <b>N</b>			
(I-54) Channel: <b>9</b>	In Depth: <b>N NONE N/A</b>	TV Cable: <b>U</b>	Catwalks: <b>N</b>	Catwalks: <b>N</b>			
(I-60) Approaches: <b>5</b>	Fracture Critical: <b>N NONE N/A</b>	Water: <b>U</b>	Other-Feat: <b>U</b>	Other-Feat: <b>U</b>			
(I-66) General Appraisal: <b>3</b>	Scour Critical: <b>N NONE N/A</b>	Other: <b>U</b>	(184) Signs-on: <b>N</b>	(184) Signs-on: <b>N</b>			
(I-66) Operational Status: <b>A</b>	Critical Findings: <b>N NONE N/A</b>		Signs-Under: <b>N</b>	Signs-Under: <b>N</b>			
Inspection Date: <b>08/08/2012</b>	Insp. Update Date: <b>10/09/2012</b>		(162) Fence-Ht: <b>0.0 Ft</b>	(162) Fence-Ht: <b>0.0 Ft</b>			
(94) Desig Insp Freq: <b>12 Months</b>			(163) Noise Barr: <b>N</b>	(163) Noise Barr: <b>N</b>			
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: <b>PRE-T0419-0045 -</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	3	4	0	7	8
---	---	---	---	---	---	---

Bridge Number **PRE T0419 0045**  
CO ROUTE UNIT

TWIN TWP

Date Built **07/01/1900**

District **08** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 15 RAPES RUN**

**PRE**

<b>DECK</b>		Out/Out 18.0	3	THCK = 6.0		1
1. Floor	6-CORRUGATED STEEL PLATE	8		2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
	N-NONE	9			W.S. Date =	
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	8-TIMBER	10	4	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	N-NONE	11		<b>8. Summary</b>		44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=18	1			2
9. Alignment		12		10. Beams/Girders/Slab	1-ROLLED STEEL	45
	TOT.LGTH=21	13	1	12. Joists/Stringers		46
13. Floor Beams		14		14. Floor Beam Connections		47
15. Verticals		15		16. Diagonals		48
17. End Posts		16		18. Top Chord		49
19. Lower Chord		17		20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19		24. Bearing Devices	3-SLIDING (BRONZE) N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1977	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	<b>32. Summary</b>		56
<b>SUBSTRUCTURE</b>		2-CONCRETE	3	PIERS=0 SPANS = 1		1
33. Abutments	3-CONCRETE AND STONE	24		34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	2	38. Wingwalls	ABUTMENT:=SPREAD / SPREAD	59
39. Fenders and Dolphins		27		40. Scour	5-STABLE: SCOUR WITHIN L	60
41. Slope Protection	N-NONE	28		<b>42. Summary</b>	DIVE DT=N/A	62
<b>CULVERTS</b>						
43. General		29		44. Alignment		63
45. Shape		30		46. Seams		64
47. Headwalls or Endwalls		31		48. Scour		65
49.		32		50. Summary		66
<b>CHANNEL</b>				0-OTHER-GRASS, BUSHES & TREES		1
51. Alignment		33	1	52. Protection		67
53. Waterway Adequacy		34	1	<b>54. Summary</b>		68
<b>APPROACHES</b>						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	1-STEEL BEAM	36	4	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=16.0	37	1	<b>60. Summary</b>	PCT.LEGAL=100	71
<b>GENERAL</b>				ROUTINE.RESP: 3-COUNTY		1
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=9999 UND=0000	39		64. Utilities		73
65. Vertical Clearance		40	N	<b>66. General Appraisal &amp; Operational Status</b>		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

--	--	--	--	--	--

76 PE

R	S
---	---

78 INITIALS

SIGNED

--	--	--	--	--	--

81 PE

R	C
---	---

83 INITIALS

DOT 2852

DECK AREA 377

Date

0	8	0	8	1	2
---	---	---	---	---	---

86

91

0	0	0	0	N	N	N	N
---	---	---	---	---	---	---	---

92

69 Survey

99

Date

1	0	0	9	1	2
---	---	---	---	---	---

100

105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
**BRIDGE INSPECTION REPORT**

BR-86 REV 02-95

6	8	3	4	0	7	8
---	---	---	---	---	---	---

1 Structure File Number 7

Bridge Number **PRE T0419 0045**  
CO ROUTE UNIT

**Date Built 07/01/1900**

District **08** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 15**

**RAPES RUN**

00 NO REMARKS FOUND FOR THIS INSPECTION.

---