

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] Wood County [173] Portage [64122] 0.20 ML E OF SOLETHER RD 41-17-48 = 41.296667 083-37-35 = - 83.626389

8738858 Highway agency district 2 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! MERMILL ROAD Toll On free road [3] Features intersected ROCKY FORD MERMILL ROAD

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Girder and floorbeam system [03] 0 Other [00] Year built 1925 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 18.3 m = 60.0 ft Length of maximum span 17.7 m = 58.1 ft Deck width, out-to-out 8.6 m = 28.2 ft Bridge roadway width, curb-to-curb 7.1 m = 23.3 ft

Inventory Route, Total Horizontal Clearance 7.1 m = 23.3 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.6 km = 0.4 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 5.5 metric ton = 6.1 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 9.1 metric ton = 10.0 tons

Bridge posting Design Load

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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Critical [2]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Critical [2]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Critical [2]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	16.3
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	October 2009 [1009]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: **English**
Structure File Number **8738858**
Sufficiency Rating: **16.3 SD**

Bridge Inventory Information
Inventory Bridge Number: **WOO C028E 0002**
ON ROCKY FORD MERMILL ROAD

Report Date **09/05/2012** **BM-191** Page: 1 of 2
BR. Type CONCRETE / GIRDER / THRU
Date of Last Inventory Update: **08/29/2012**

District: **02** County **WOOD** (101) Location: **0.20 ML E OF SOLEATHER RD** (102) Facility Carried: **MERMILL ROAD**
(2) FIPS Code: **PORTAGE TWP** (103) Route On Bridge: **COUNTY** (104) Route Under Bridge: **NON-HIGHWAY**
(9) Direction of Traffic: **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: **CONCRETE / GIRDER / THRU**
Route No.: **C028E** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **58** Ft (66) Overall Leng: **60** Ft

(4) Feature Intersected: **ROCKY FORD MERMILL ROAD** (70) Substructure (71) Foundation and Scour Information
(5) County: **POR** Mileage: **0002** Special Desig: Abut-Rear Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**
(6) Avg. Daily Traffic(ADT): **460** (7) ADT Year: **1991** 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: **STABLE: ACTION REQUIRED TO PROTECT FND**
(23) Feature Intersected: (189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **NONE**
(24) County: Mileage: Special Desig: (189) Date of last Dive Insp: (152) Drainage Area: **073** 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: **23.3** 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: **11.2 / 11.2** Ft
(81) Vrt Clr Lft: **0.0** Ft

Structure Information
(38) Bypass Length: **04** Miles
(39) Latitude: **41 Deg 17.8 Min** Longitude: **83 Deg 37.6 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1925** (42) Major Rehabilitation:
(43) No. Lanes On: **2** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0** Deg
(49) App. Rdw Width: **28** Ft (50) Brg. Rdw Width: **23.3** Ft
(51) Deck Width: **28.3** Ft Deck Area: **1701** 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: **REINFORCED CONCRETE PARAPET**
(59) Deck Drainage: **SCUPPERS & DWNSPTS**
(60) Deck Type: **REINF CONCRT (PRESTRSD, PRECAST)**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **BITUM (ASPHLT CONCRT)**
Thickness: **2.0** in (119) Date of Wearing Surface: **01/01/1988**
Slope Protection: **?? OTHER ??**

Load Rating Information (88-89) Appraisal

(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)
(83) Operating: **19** Ton
Inventory: **11** Ton
Ohio Percent of Legal Load **65** (88) Waterway Adequacy **7**
Year of Rating: **2010** (89) Approach Alignment **6**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **2**
(85) Rate Soft: **BARS** Analyzed by: **AEH** Calc Deck Geometry: **4**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

Approach Information

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

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 **CONCRETE GIRDER** (122) Moment Plate: **NONE**
(169) Expansion Joint: **OTHER**
(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: **TWO GIRDER BRIDGE** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **NONE** (139) Framing: **NONE**
Railing: **NONE**
Paint: **NONE**
Pay Wt: **0** pounds Prime Loc: **NONE**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **8738858**
 Sufficiency Rating: **16.3 SD**

Bridge Inventory Information
 Inventory Bridge Number: **WOO C028E 0002**
ON ROCKY FORD MERMILL ROAD

Report Date **09/05/2012** BM-191 Page: 2 of 2
 BR. Type **CONCRETE/GIRDER/THRU**
 Date of Last Inventory Update: **08/29/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: NONE N/A		Hist Build Year: 1925		(143) Contractor:			
(69) Hist Type: SHAPED				(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: N Repair: N Fabr: N			
(90) Type Work: -		PID Number:		Plan Information Available: 1PLAN INFORMATION AVAILABLE			
(90) Length: Ft		PID Status:		(153) Repair Projects			
(90) Bridge Cost (\$1000s): 0		PID Date:		1. / 044		2. 3.	
(90) Roadway Cost (\$1000s): 0				4.		5. 6.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		7.		8. 9.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2028		10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 2	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: N	(161) Lighting: N				
(I-32) Superstructure: 2	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Gas: N	Fencing: N				
(I-42) Substructure: 2	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: N	Glare-Screen: N				
(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Telephone: N	Splash-Guard: N				
(I-54) Channel: 7	In Depth:	TV Cable: N	Catwalks: N				
(I-60) Approaches: 4	Fracture Critical:	Water: N	Other-Feat: N				
(I-66) General Appraisal: 2	Scour Critical:	Other: N	(184) Signs-on: N				
(I-66) Operational Status: P	Critical Findings:		Signs-Under: N				
Inspection Date: 03/08/2011	Insp. Update Date: 04/01/2011		(162) Fence-Ht: 0.0 Ft				
(94) Desig Insp Freq: 12 Months			(163) Noise Barr: N				
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: WOO-C028E-0002 -			
SFNs That where replaced by this bridge: -				INT Field Bridge Marker: ---			
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

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Bridge Number **WOO C028E 0002**
CO ROUTE UNIT

PORTAGE TWP

Date Built **07/01/1925**

District **02** Bridge Type **CONCRETE/GIRDER/THRU**

Type Service **1 15 ROCKY FORD MERMILL ROAD**

WOO

DECK		Out/Out 28.3	4	THCK = 2.0		3
1. Floor	1-REINF CONCRT (PRESTRSD	8	4	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
		N-NONE		W.S. Date = 01/01/1988		
3. Curbs, Sidewalks, Walkways		N-NONE	9	4. Median		42
5. Railing	1-REINFORCED CONCRETE PA	10	4	6. Drainage	3-SCUPPERS & DWNSPTS	43
7. Expansion Joints		0-OTHER	11	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=58	1			4
9. Alignment			12	10. Beams/Girders/Slab	5-CONCRETE GIRDER	45
		TOT.LGTH=60				
11. Diaphragms or Crossframes			13	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 = N-NONE DATE =	54
29. Pins/Hangers/Hinges			22	30. Fatigue Prone Connections		55
31. Live Load Response			23	32. Summary		56
SUBSTRUCTURE		2-CONCRETE	4	PIERS=0 SPANS = 1		4
33. Abutments	2-CONCRETE	24	4	34. Abutment Seats		57
35. Piers		TYPE = N-NONE	25	36. Pier Seats		58
37. Backwalls			26	38. Wingwalls	ABUTMENT:=SPREAD / SPREAD	59
39. Fenders and Dolphins			27	40. Scour	4-STABLE: ACTION REQUIRE	60
41. Slope Protection		0-OTHER	28	42. Summary		62
CULVERTS						
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
CHANNEL				N-NONE		
51. Alignment			33	52. Protection		67
53. Waterway Adequacy			34	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	3	56. Approach Slabs		69
57. Guardrail		N-NONE	36	58. Relief Joints		70
59. Embankment		BRDG.WIDTH=23.3	37	60. Summary		71
GENERAL				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	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

7 2 3 7 4
76 PE

J R C
78 INITIALS

SIGNED

6 9 3 0 7
81 PE

R C H
83 INITIALS

DOT 2852

DECK AREA 1,701

Date 0 3 0 8 1 1
86 91

0 0 0 0
92 69 Survey 99

Date 0 3 0 8 1 1
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

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1 Structure File Number 7

Bridge Number **W00 C028E 0002**
CO ROUTE UNIT

Date Built 07/01/1925

District **02** Bridge Type **CONCRETE/GIRDER/THRU**

Type Service **1 15**

ROCKY FORD MERMILL ROAD

00 NO REMARKS FOUND FOR THIS INSPECTION.
