

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]	Hamilton County [061]	Cincinnati [15000]	400' E OF FREEMAN&MEHRING	00-00-00 = 0.000000	000-00-00 = - 0.000000
3161153	Highway agency district	Owner	Maintenance responsibility		
Route #Num!	CSX RR LINE	Toll	On free road [3]	Features intersected	CUT SE CONN OVER MEHRING
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
	Truss - Thru [10]			Year built	1931
				Year reconstructed	
				Skew angle	
				Structure Flared	
				Historical significance	
Total length	2267.7 m = 7440.3 ft	Length of maximum span	27.4 m = 89.9 ft	Deck width, out-to-out	
Inventory Route, Total Horizontal Clearance	9.2 m = 30.2 ft	Curb or sidewalk width - left		Curb or sidewalk width - right	
Deck structure type					
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length	Method to determine inventory rating		Inventory rating	
0 km = 0.0 mi	Method to determine operating rating		Operating rating	
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

Appraisal ratings - structural

Condition ratings - superstructure

Appraisal ratings - roadway alignment

Condition ratings - substructure

Appraisal ratings - deck geometry

Condition ratings - deck

Scour

Channel and channel protection

Appraisal ratings - water adequacy

Status evaluation

Pier or abutment protection

Sufficiency rating

Culverts

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

Designated inspection frequency

Months

Underwater inspection

Underwater inspection date

Fracture critical inspection

Fracture critical inspection date

Other special inspection

Other special inspection date

Unit of Measure: **English**  
Structure File Number **3161153**  
Sufficiency Rating: **N/A ??**

**Bridge Inventory Information**  
Inventory Bridge Number:**HAM MEHRG 0037**  
**UNDER CUT SE CONN OVER MEHRING**

Report Date **02/27/2013** BM-191 Page: 1 of 2  
**BR. Type STEEL / TRUSS / THRU**  
Date of Last Inventory Update: **08/17/2012**

District: **08** County **HAMILTON** (101) Location: **400' E OF FREEMAN&MEHRING** (102) Facility Carried: **CSX RR LINE**  
(2)FIPS Code: **CINCINNATI** (103) Route On Bridge: **NON-HIGHWAY** (104) Route Under Bridge: **MUNICIPAL**  
(9) Direction of Traffic: **2-WAY TRAFFIC** (10) Temporary: **N** (11)Truck Network: **N** (12)Parallel: **N**  
(95) Insp: **RAILROAD** (96) Maint: **RAILROAD** (97) Routine: **RAILROAD** (100) Type Serv: (On): **RAILROAD** (Under): **HIGHWAY, WITH OR WIT**

**Inventory Route Data**

(3) Route On/Under: **UNDER** Hwy Sys: **MUNICIPAL STREET**  
Route No.: **MEHRG** Dir: Des: **MAINLINE** Pref:  
(4) Feature Intersected: **CUT SE CONN OVER MEHRING**  
(5) County: **CIN** Mileage: **0037** Special Desig:  
(6) Avg. Daily Traffic(ADT): **1,500** (7) ADT Year: **1965**  
(8) Truck Traf: **0** (14) NHS: **NO - X** (15) Corridor: **N**  
(16) Functional Class: **OTHER PRINCIPAL ARTERIAL-URBAN** (19) Strahnt: **Not Applicable**

(63) Main Spans Number: **175** Type: **STEEL / TRUSS / THRU**  
Approach Spans Number: **0** Type: **NONE / NONE / NONE**  
Total Spans: **175** (65) Max Span: **90 Ft** (66) Overall Leng: **7440 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** Type: **SOLID WALL** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**  
Abut-Fwd Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**  
Pier-Pred Matl: **STEEL** Type: **OPEN COLUMN** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
Pier-Other Matl: **CONCRETE** Type: **GRAVITY** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
No of Piers Predominate: **99** Other: **75** Other: **NN**  
(86) Stream Velocity: **NNN** (74) Scour: **BRIDGE NOT OVER WATERWAY**  
(189) Dive: **N Freq: 0** Probe: **N Freq: 0** (75) Chan Prot: **N/A**  
(189) Date of last Dive Insp: (152) Drainage Area: **NNN Sq Mi**

**Clearance Under the Bridge**

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

(156) Min. Horiz Under Clear: NC: **30.2 Ft** Card: **29.4 Ft**  
(157) Prac Max Vrt Under Clear: **20.0 Ft**  
(77) Min Vert Under Clear: NC: **0.0 Ft** Card: **20.0 Ft**  
(78) Min Lat Under Clear: NC: **7.5 / 16.6 Ft** Card: **0.6 / 0.6 Ft**

**Clearance On the Bridge**

**Load Rating Information**

**(88-89) Appraisal**

(38) Bypass Length: **00 Miles**  
(39) Latitude: **39 Deg 5.9 Min** Longitude: **84 Deg 31.9 Min**  
(40) Toll: **NONE/NOT APPLICABLE**  
(41) Date Built: **07/01/1931** (42) Major Rehabilitation:  
(43) No. Lanes On: **0** No. Lanes Under: **4**  
(44) Horiz Curve: **00 Deg. D00M Min.** (45) Skew: **99 Deg**  
(49) App. Rdw Width: **0 Ft** (50) Brg. Rdw Width: **0.0 Ft**  
(51) Deck Width: **25.0 Ft** Deck Area: **186002 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: **not applicable**  
(58) Railing: **STEEL POST & STEEL PANEL (DECORATIVE)**  
(59) Deck Drainage: **OTHER-NATURAL(OFF THE BRIDGE ENDS)**  
(60) Deck Type: **OTHER**  
(61) Deck Protection: External: **NONE**  
Internal: **NONE**  
(62) Wearing Surface: **NOT APPLICABLE (CULVERT UNDER FILL ETC)**  
Thickness: **0.0 in** (119) Date of Wearing Surface:  
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

(48) Design Load: **RAILROAD** (Including calculated Items)  
(83) Operating: **72 Ton**  
Inventory: **72 Ton**  
Ohio Percent of Legal Load **0** (88) Waterway Adequacy **N**  
Year of Rating: **1900** (89) Approach Alignment **N**  
(84) Analysis: **N/A (RR BRIDGES, PEDESTRIAN, BUILDINGS)** Calc Gen Appraisal: \*  
(85) Rate Soft: **NO SOFTWARE USED** Analyzed by: Calc Deck Geometry: \*  
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: \*

**Approach Information**

(109) Approach Guardrail: **NOT APPLICABLE**  
(110) Approach Pavement: **NONE/NOT APPLICABLE** (111) Grade: **NONE/NOT APPLICABLE**

**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 **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NOT APPLICABLE**  
(169) Expansion Joint: **NONE**  
(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: **N** Freq: **0** Date:  
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**  
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **STRAIGHT**  
Railing: **UNKNOWN**  
Paint: **OTHER**

Pay Wt: **0 pounds** Prime Loc: **UNKNOWN**  
Bridge Dedicated Name:

Unit of Measure: **English**  
 Structure File Number **3161153**  
 Sufficiency Rating: **N/A ??**

**Bridge Inventory Information**  
 Inventory Bridge Number: **HAM MEHRG 0037**  
**UNDER CUT SE CONN OVER MEHRING**

Report Date **02/27/2013** **BM-191** Page: 2 of 2  
**BR. Type STEEL/TRUSS/THRU**  
 Date of Last Inventory Update: **08/17/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>RESERVE HISTORIC BRIDGE</b>		(69) NBIS: <b>Y</b>		(142) Fabricator:			
(---) Hist Builder: <b>UNKNOWN</b>		Hist Build Year: <b>1931</b>		(143) Contractor:			
(69) Hist Type: <b>BALTIMORE</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>NNOT APPLICABLE</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>				3.		4.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		5.		6.	
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2030</b>		7.		8.	
				9.		10.	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>8</b>	Railings: <b>N NONE N/A</b>	(46) Electric: <b>Y</b>	(161) Lighting: <b>N</b>				
(I-32) Superstructure: <b>6</b>	Transitions: <b>N NONE N/A</b>	Gas: <b>N</b>	Fencing: <b>N</b>				
(I-42) Substructure: <b>7</b>	Guardrail: <b>N NONE N/A</b>	Sanitary Sewer: <b>N</b>	Glare-Screen: <b>N</b>				
(I-50) Culvert:	Rail Ends: <b>N NONE N/A</b>	Telephone: <b>N</b>	Splash-Guard: <b>N</b>				
(I-54) Channel:	In Depth: <b>N NONE N/A</b>	TV Cable: <b>N</b>	Catwalks: <b>N</b>				
(I-60) Approaches:	Fracture Critical: <b>N NONE N/A</b>	Water: <b>N</b>	Other-Feat: <b>N</b>				
(I-66) General Appraisal: <b>6</b>	Scour Critical: <b>N NONE N/A</b>	Other: <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>				
Inspection Date: <b>08/14/2012</b>	Insp. Update Date: <b>08/29/2012</b>		(162) Fence-Ht: <b>0.0 Ft</b>				
(94) Desig Insp Freq: <b>12 Months</b>			(163) Noise Barr: <b>N</b>				
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: <b>HAM-MEHRG-0037 -</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

3 1 6 1 1 5 3  
Structure File Number 7

Bridge Number **HAM MEHRG0037**  
CO ROUTE UNIT

CINCINNATI

Date Built **07/01/1931**

District **08** Bridge Type **STEEL/TRUSS/THRU**

Type Service **2 21 CUT SE CONN OVER MEHRING**

**HAM**

<b>DECK</b>		Out/Out 25.0	1	THCK = 0.0	
1. Floor	0-OTHER 8			2. Wearing Surface	N-NOT APPLICABLE (CULVER 41
	N-NONE				W.S. Date =
3. Curbs, Sidewalks, Walkways	N-NONE 9			4. Median	42
5. Railing	6-STEEL POST & STEEL PAN 10			6. Drainage	0-OTHER-NATURAL(OFF THE 43
7. Expansion Joints	N-NONE 11			<b>8. Summary</b>	44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=90	1		
9. Alignment				10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES 45
	TOT.LGTH=7440				
11. Diaphragms or Crossframes				12. Joists/Stringers	46
13. Floor Beams		1		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		1		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 = 01/01/1984 54
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections	55
31. Live Load Response				<b>32. Summary</b>	56
<b>SUBSTRUCTURE</b>		2-CONCRETE		PIERS=174	SPANS = 175
33. Abutments	2-CONCRETE 24			34. Abutment Seats	57
35. Piers	TYPE = 5-STEEL 25	2		36. Pier Seats	58
37. Backwalls				38. Wingwalls	ABUTMENT:=UNKNOWN / UNKNOWN 59
39. Fenders and Dolphins				40. Scour	N-BRIDGE NOT OVER WATERW 60
41. Slope Protection	N-NONE 28			<b>42. Summary</b>	DIVE DT=N/A 62
<b>CULVERTS</b>				X-N/A	
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>				X-N/A	
51. Alignment		33		52. Protection	67
53. Waterway Adequacy		34		<b>54. Summary</b>	68
<b>APPROACHES</b>					
55. Pavement	N-NONE/NOT APPLICABLE 35			56. Approach Slabs	69
57. Guardrail	X-NOT APPLICABLE 36			58. Relief Joints	70
59. Embankment	BRDG.WIDTH=0.0 37			<b>60. Summary</b>	PCT.LEGAL=0 71
<b>GENERAL</b>				ROUTINE.RESP: 6-RAILROAD	
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 6-RAILROAD 72
63. Sign Supports	MVC ON=0000 UND=0000	39		64. Utilities	ELEC/ 73
65. Vertical Clearance		40	1	<b>66. General Appraisal &amp; Operational Status</b>	74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

7 0 2 9 3  
76 PE

R M R  
78 INITIALS

SIGNED

81 PE

83 INITIALS

DOT 2852

DECK AREA 186,002

Date 0 8 1 4 1 2  
86 91

N N N N N N N N  
92 69 Survey 99

Date 100 105

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

BR-86 REV 02-95

3	1	6	1	1	5	3
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1 Structure File Number 7

Bridge Number **HAM MEHRG 0037**  
CO ROUTE UNIT

**Date Built 07/01/1931**

District **08** Bridge Type **STEEL/TRUSS/THRU**

Type Service **2 21**

**CUT SE CONN OVER MEHRING**

00 NO REMARKS FOUND FOR THIS INSPECTION.

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