

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] Cuyahoga County [035] Cleveland [16000] E OFF W 3 ST (U)EAGLE AVE 41-29-37 = 41.493611 081-41-22 = - 81.689444

1866389 Highway agency district 12 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route #Num! STONES LEVEE Toll On free road [3] Features intersected B&O RAILROAD

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built 1908 Year reconstructed 1964

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 36.9 m = 121.1 ft Length of maximum span 34.8 m = 114.2 ft Deck width, out-to-out 10.1 m = 33.1 ft Bridge roadway width, curb-to-curb 5.5 m = 18.0 ft

Inventory Route, Total Horizontal Clearance 5.5 m = 18.0 ft Curb or sidewalk width - left 1.7 m = 5.6 ft Curb or sidewalk width - right 1.7 m = 5.6 ft

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

Type of wearing surface Monolithic Concrete (concurrently placed with structural deck) [1]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 0 metric ton = 0.0 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 14.3 metric ton = 15.7 tons

Bridge posting 30.0 - 39.9 % below [1] Design Load MS 18 / HS 20 [5]

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

Bridge closed to all traffic [K]

Appraisal ratings -
structural

Condition ratings - superstructure

Critical [2]

Appraisal ratings -
roadway alignment

Equal to present minimum criteria [6]

Condition ratings - substructure

Serious [3]

Appraisal ratings -
deck geometry

Condition ratings - deck

Serious [3]

Scour

Bridge not over waterway. [N]

Channel and channel protection

Not applicable. [N]

Appraisal ratings - water adequacy

N/A [N]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

12

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

November 2010 [1110]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

November 1995 [1195]

Other special inspection

Not needed [N]

Other special inspection date

Unit of Measure: **English**
Structure File Number **1866389**
Sufficiency Rating: **12.0 SD**

Bridge Inventory Information
Inventory Bridge Number: **CUY STONE 1035M**
ON B&O RAILROAD

Report Date **09/19/2012** **BM-191** Page: 1 of 2
BR. Type STEEL / TRUSS / THRU
Date of Last Inventory Update: **01/05/2012**

District: 12	County CUYAHOGA	(101) Location: E OFF W 3 ST (U)EAGLE AVE	(102) Facility Carried: STONES LEVEE
(2) FIPS Code: CLEVELAND		(103) Route On Bridge: MUNICIPAL	(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: CITY/LOCAL (96) Maint: CITY/LOCAL (97) Routine: CITY/LOC		(100) Type Serv: (On): HIGHWAY/PEDESTRIAN	(Under): RAILROAD

Inventory Route Data		(63) Main Spans Number: 1	Type: STEEL / TRUSS / THRU
(3) Route On/Under: ON	Hwy Sys: MUNICIPAL STREET	Approach Spans Number: 0	Type: NONE / NONE / NONE
Route No.: STONE Dir:	Des: MAINLINE Pref:	Total Spans: 1	(65) Max Span: 114 Ft
(4) Feature Intersected: B&O RAILROAD			(66) Overall Leng: 121 Ft

(5) County: CUY Mileage: 1035M Special Desig:	(70) Substructure	(71) Foundation and Scour Information	
(6) Avg. Daily Traffic(ADT): 500 (7) ADT Year: 1982	Abut-Rear Matl: CONCRETE	Type: GRAVITY	Fnd: TIMBER PILES
(8) Truck Traf: 275 (14) NHS: NO - X (15) Corridor: N	Abut-Fwd Matl: CONCRETE	Type: GRAVITY	Fnd: TIMBER PILES
(16) Functional Class: LOCAL ROAD-URBAN (19) Strahnt: Not Applicable	Pier-Pred Matl: NONE	Type: NONE	Fnd: OTHER
	Pier-Other Matl: NONE	Type: NONE	Fnd: OTHER
	Pier-Other Matl: NONE	Type: NONE	Fnd: OTHER
	No of Piers Predominate: NN	Other: NN	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	

Intersected Route Data		Clearance Under the Bridge	
(22) Route On/Under:	Hwy Sys:	(156) Min. Horiz Under Clear:	NC: 0.0 Ft Card: 0.0 Ft
Route No.: Dir:	Des: Pref:	(157) Prac Max Vrt Under Clear:	16.5 Ft
(23) Feature Intersected:		(77) Min Vert Under Clear:	NC: 0.0 Ft Card: 16.5 Ft
(24) County: Mileage:	Special Desig:	(78) Min Lat Under Clear:	NC: 0.0 / 0.0 Ft Card: 7.0 / 7.0 Ft
(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 On the Bridge		(88-89) Appraisal	
(154) Min Hriz on Bridge:	NC: 0.0 Ft Card: 18.0 Ft	(48) Design Load: HS/20	(Including calculated Items)
(155) Prac Max Vert On Brg:	16.8 Ft	(83) Operating: 16 Ton	
(67) Min Vrt Clr On Brg:	NC: 0.0 Ft Card: 16.8 Ft	Inventory: 16 Ton	
(80) Min Latl Clr:	NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft	Ohio Percent of Legal Load 65	(88) Waterway Adequacy N
(81) Vrt Clr Lft: 0.0 Ft		Year of Rating: 1984	(89) Approach Alignment 6

Structure Information		(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]	Calc Gen Appraisal: 0
(38) Bypass Length: 03 Miles	Longitude: 81 Deg 41.4 Min	(85) Rate Soft: NO SOFTWARE USED Analyzed by:	Calc Deck Geometry: 0
(39) Latitude: 41 Deg 29.6 Min		Analysis on Bars: NOT ON BARS [DEFAULT]	Calc Underclearance: 0
(40) Toll: ON FREE ROAD			
(41) Date Built: 07/01/1908	(42) Major Rehabilitation: 01/01/1964		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve: Deg. Min.	(45) Skew: 0 Deg		
(49) App. Rdw Width: 18 Ft	(50) Brg. Rdw Width: 18.0 Ft		
(51) Deck Width: 33.0 Ft	Deck Area: 3993 Sq. Ft		

Approach Information		(109) Approach Guardrail: NONE	(111) Grade: GOOD
(52) Median Type: NONE / NON BARRIE / NO JOINT		(110) Approach Pavement: BITUMINOUS	
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks: (left) 5 Ft (right) 5 Ft			

Culvert Information		(131) Culvert Type: NONE/NOT APPLICBLE	(127) Length: 0.0 Ft
(55) Type Curb or Sidewalks:	Type: SIDEWALK(>2')	(129) Depth of Fill: 0.0 Ft	(130) Headwalls: NONE
(Left) Matl: CONCRETE	Type: SIDEWALK(>2')		
(Right) Matl: CONCRETE	Type: SIDEWALK(>2')		
(56) Flared: N	(57) Composite: composite		

General Information		(121) Main Member ROLLED STEEL	(122) Moment Plate: NONE
(58) Railing: STEEL POST & STEEL PANEL (DECORATIVE)		(169) Expansion Joint: SLIDING METAL PLATE ANGLE	
(59) Deck Drainage: OTHER-NATURAL(OFF THE BRIDGE ENDS)		(124) Bearing Devices: OTHER/NONE	
(60) Deck Type: REINF CONCRT (PRESTRSD, PRECAST)		(126) Navigation: Control- X	Vert Clr: 0.0 Ft
(61) Deck Protection: External: NONE		(193) Spec Insp: N	Freq: 0
Internal: NONE		(188) Fracture Critical Insp: Y	Freq: 12
(62) Wearing Surface: CONCRETE (SEPARATE) OVERLAY		(138) Long Member: TWO TRUSSES (RIVETED)	Date: 1995-11-14
Thickness: 2.0 in (119) Date of Wearing Surface:		(141) Structural Steel Memb: UNKNOWN	(135) Hinges: NOT APPLICABLE
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)		Pay Wt: 0 pounds	(139) Framing: NONE
		Bridge Dedicated Name:	Railing: UNKNOWN
			Paint: OTHER

Unit of Measure: **English**
 Structure File Number **1866389**
 Sufficiency Rating: **12.0 SD**

Bridge Inventory Information
 Inventory Bridge Number: **CUY STONE 1035M**
ON B&O RAILROAD

Report Date **09/19/2012** BM-191 Page: 2 of 2
 BR. Type **STEEL/TRUSS/THRU**
 Date of Last Inventory Update: **01/05/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NON-REGISTERED HISTORIC BRIDGE (---) Hist Builder: INTERSTATE BUILDING CO Hist Build Year: 1908 (69) Hist Type: WARREN (RIVETED) (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:		(69) NBIS: Y		(142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No.: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: N Repair: N Fabr: N Plan Information Available: 1PLAN INFORMATION AVAILABLE (153) Repair Projects			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number:		1. / 020			
(90) Length: Ft		PID Status:		2. / MMM			
(90) Bridge Cost (\$1000s): 0		PID Date:		3.			
(90) Roadway Cost (\$1000s): 0				4.			
(90) Total Project Cost (\$1000s): 0		(90) Year:		5.			
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033		6.			
				7.			
				8.			
				9.			
				10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 3	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: U	(161) Lighting: N				
(I-32) Superstructure: 2	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Gas: U	Fencing: N				
(I-42) Substructure: 3	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: U	Glare-Screen: N				
(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Telephone: U	Splash-Guard: N				
(I-54) Channel:	In Depth: N NONE N/A	TV Cable: U	Catwalks: N				
(I-60) Approaches: 4	Fracture Critical: N NONE N/A	Water: U	Other-Feat: U				
(I-66) General Appraisal: 2	Scour Critical: N NONE N/A	Other: U	(184) Signs-on: N				
(I-66) Operational Status: X	Critical Findings: N NONE N/A		Signs-Under: N				
Inspection Date: 10/28/2011	Insp. Update Date: 01/05/2012		(162) Fence-Ht: 0.0 Ft				
(94) Desig Insp Freq: 12 Months			(163) Noise Barr: N				
SFNs Replacing this retired bridge: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:				INV Field Bridge Marker: CUY-STONE-1035M-			
				INT Field Bridge Marker: ---			

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

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1	8	6	6	3	8	9
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Bridge Number **CUY STONE1035M** CLEVELAND
CO ROUTE UNIT

Date Built **07/01/1908 - 1964**

District **12** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 52 B&O RAILROAD**

CUY

DECK		Out/Out 33.0			THCK = 2.0	
1. Floor	1-REINF CONCRT (PRESTRSD	8	2	2. Wearing Surface	1-CONCRETE (SEPARATE) OV	41
	1-CONCRETE				W.S. Date =	
3. Curbs, Sidewalks, Walkways	1-CONCRETE	9	2	4. Median		42
5. Railing	6-STEEL POST & STEEL PAN	10	4	6. Drainage	0-OTHER-NATURAL(OFF THE	43
7. Expansion Joints	2-SLIDING METAL PLATE AN	11	4	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=114				
9. Alignment		12	3	10. Beams/Girders/Slab	1-ROLLED STEEL	45
11. Diaphragms or Crossframes	TOT.LGTH=121	13		12. Joists/Stringers		46
13. Floor Beams		14	3	14. Floor Beam Connections		47
15. Verticals		15	4	16. Diagonals		48
17. End Posts		16	3	18. Top Chord		49
19. Lower Chord		17	3	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19	3	24. Bearing Devices	0-OTHER N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1960	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		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		26	4	38. Wingwalls	ABUTMENT:=TIMBER / TIMBER	59
39. Fenders and Dolphins		27		40. Scour	N-BRIDGE NOT OVER WATERW	60
41. Slope Protection	N-NONE	28		42. Summary	DIVE DT=N/A	62
CULVERTS					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
CHANNEL					X-N/A	
51. Alignment		33		52. Protection		67
53. Waterway Adequacy		34		54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=18.0	37	1	60. Summary	PCT.LEGAL=65	71
GENERAL					ROUTINE.RESP: 4-CITY/LOCAL	
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 4-CITY/LOCAL	72
63. Sign Supports	MVC ON=16.8 UND=0000	39		64. Utilities		73
65. Vertical Clearance		40	1	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

7	0	8	9	0
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76 PE

J	H
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78 INITIALS

SIGNED

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81 PE

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83 INITIALS

DOT 2852

DECK AREA 3,993

Date

1	0	2	8	1	1
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86

91

Date

0	0	0	0	N	N	N	N
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92

69 Survey

99

Date

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100

105

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1 Structure File Number 7

Bridge Number **CUY STONE 1035M**
CO ROUTE UNIT

Date Built 07/01/1908 - 1964

District **12** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 5 2**

B&O RAILROAD

00 NO REMARKS FOUND FOR THIS INSPECTION.
