Unit of Measure: **English**
Structure File Number: 1100661
Sufficiency Rating: 072.8

Bridge Inventory Information
Inventory Bridge Number: CHP 00029 3145
ROUTE CARRIED BY STRUCTURE LITTLE DARBY CREEK #

BR. Type: PRESTRESSED CONCRETE/BOX BEAM/SIMPLE SPAN
Date of Last Inventory Update: 5/2/2012

District: 07 | County: CHAMPAIGN | (101) Location: .35MI.SE. OF JCT. SR-4 | (102) Facility Carried: SR-29
(2) FIPS Code: MECHANICSBURG | (103) Route On Bridge: STATE (ODOT) | (104) Route Under Bridge: NON-HIGHWAY
(9) Direction of Traffic: 2-WAY TRAFFIC | (10) Temporary: N | (11) Truck Network: N | (12) Parallel: N
(100) Type Serv: (On): HIGHWAY/PEDESTRIAN (Under): WATERWAY

Inventory Route Data

(3) Route On/Under: ROUTE CARRIED BY STRUCTU Hwy Sys: STATE HIGHWAY
Route No: 00029 Dir: Des: MAINLINE Pref:
(4) Feature Intersected: LITTLE DARBY CREEK #
(5) County: CHP Mileage: 3145 Special Desig:
(6)Avg. Daily Traffic(ADT): 3,611 (7) ADT Year: 2011
(8) Truck Traf: 290 (14) NHS: NON-NHS BRG E (15) Corridor: N
(16) Functional Class: MAJOR COLLECTOR-RURAL (19) Strahnt: Not Applicable (Not a Strahnet Brid

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): (26) ADT Year:
(27) Truck Traf: (28) NHS: - (29) Corridor: N
(30) Functional Class: (36) Strahnt:

Clearance On the Bridge

(154) Min. Hriz on Bridge: NC: 0.0 Card: 28.0 Ft
(155) Prac Max Vert On Brg: 9999.9 Ft
(67) Min Vrt Clr On Brg: NC: 0.0 Card: 9999.9 Ft
(80) Min Latl Clr: NC: 0.0/0.0 Ft Card: 1.6/2.5 Ft
(81) Vrt Clr Lft: 0.0 Ft

Structure Information

(38) Bypass Length: 21 Miles
(39) Latitude: 40 Deg 03 Min 56.29 Sec Longitude: 83 Deg 32 Min 56.09 Sec
(40) Toll: ON FREE ROAD
(41) Date Built: 7/1/1961 (42) Major Rehabilitation:
(43) No. Lanes On: 2 No. Lanes Under: 0
(44) Horiz Curve: (45) Skew: 0 Deg
(49) App. Rdw Width: 34 Ft (50) Brg. Rdw Width: 28.0 Ft
(51) Deck Width: 36.6 Ft Deck Area: 2594 Sq. Ft
(52) Median Type: NONE/NON BARRIER/NO JOINT
(53) Bridge Median: NO MEDIAN
(54) Sidewalks: (left) 3.8 Ft (right) 2.0 Ft
(55) Type Curb or Sidewalks:
(Left) Matl: CONCRETE Type: OTHER
(Right) Matl: CONCRETE Type: OTHER
(56) Flared: N (57) Composite: N - NON_COMPOSITE
(58) Railing: OTHER
(59) Deck Drainage: OPENING THRU CURBS OR WHEEL GRDS
(60) Deck Type: REINF CONCRT (PRESTRSD, PRECAST
(61) Deck Protection: External: NONE
Internal: NONE
(62) Wearing Surface: BITUM (ASPHLT CONCRT)
Thickness: 3.9 in (119) Date of Wearing Surface:
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)

(63) Main Spans Number: 1 Type: PRESTRESSED CONCRETE/BOX BEAM/SIMPLE
Approach Spans Number: 0 Type: NONE/NONE/NONE
Total Spans: 1 (65) Max Span: 69 Ft (66) Overall Leng: 71 Ft

(70) Substructure		(71) Foundation and Scour Information	
Abut-Rear	Matl: CONCRETE	Type: CANTILEVER	Fnd: CIP REINF CONCRETE PILES(OTHER DIAMETER)
Abut-Fwd	Matl: CONCRETE	Type: CANTILEVER	Fnd: CIP REINF CONCRETE PILES(OTHER DIAMETER)
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: EVAL SCOUR ABOVE TOP OF FOOTING
(189) Dive: N Freq: 0 Probe: Y Freq: 12 (75) Chan Prot: STONE
(189) Date of last Dive Insp: (152) Drainage Area: UUU Sq Mi

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

Load Rating Information

(48) Design Load: HS/20
Opr Rat Fact: 1.250 LD: HS20 LOADING
Inv Rat Fact: 1.000 LD: HS20 LOADING
(83) Ohio Percent of Legal Load: 150
Year of Rating: 2010
(84) Analysis: LOAD FACTOR (LF)
(85) Rate Soft: BARS
Analysis on Bars: LOAD FACTOR ANALYSIS
PE#: 53829 SHELTON HOWARD

(88-89) Appraisal

(Including calculated Items)
(88) Waterway Adequacy: 9
(89) Approach Alignment: 7
Calc Gen Appraisal: 6
Calc Deck Geometry: 4
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: PRESTRESSED CONCRETE BOX BEAM (122) Moment Plate: NONE
(169) Expansion Joint: POLYMER MFD EXP DEV
(124) Bearing Devices: SLIDING (OTHER)
(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: NONE (139) Framing: NONE
Railing: N
Pay Wt: 0 pounds Prime Loc: NONE Paint: NONE
Bridge Dedicated Name:

General Information (Continued)

(---) Hist Significance: NOT HISTORIC
(69) NBIS: Y
(---) Hist Builder:
Hist Build Year:
(69) Hist Type:
(161) Special Features (see below):
(105) Border Bridge State: Resp: %(106) SFN:

Original Plans Information

(142) Fabricator:
(143) Contractor: N.T. BAHAN
(144) Ohio Original Construction Project No: 071360
(---) Microfilm Reel: CHP005
(151) Standard Drawing:
Aperture Cards: Orig: N Repair: N Fabr: N
Plan Information Available: 1 PLAN INFORMATION AVAILABLE

Proposed Improvements

(90) Type Work: -
(90) Length: Ft
(90) Bridge Cost ($1000s):
(90) Roadway Cost ($1000s):
(90) Total Project Cost ($1000s):
(90) Year:
(91) Future ADT (On Bridge): 4895
(92) Year of Future ADT: 2033

Programming Info

PID Number:
PID Status:
PID Date:

(153) Repair Projects:
1) 870060 / 041

Inspection Summary

(I-8) Deck:	7
(I-32) Superstructure:	7
(I-42) Substructure:	6
(I-50) Culvert:	
(I-54) Channel:	4
(I-60) Approaches:	6
(I-66) General Appraisal:	6
(I-66) Operational Status:	A
Inspection Date:	2/3/2014
(94) Desig Insp Freq	12 Months

(I-69) Survey Items

Railings:	DOES NOT MEET CURRENT STANDARD
Transitions:	DOES NOT MEET CURRENT STANDARD
Guardrail:	DOES NOT MEET CURRENT STANDARD
Rail Ends:	DOES NOT MEET CURRENT STANDARD
In Depth:	NONE N/A
Fracture Critical:	NONE N/A
Scour Critical	NONE N/A
Critical Findings:	NONE N/A
Insp. Update Date:	3/24/2014

Utilities

(46)	Electric:	N
	Gas:	N
	Sanitary Sewer:	N
	Telephone:	N
	TV Cable:	N
	Water:	N
	Other:	N

Special Features

(161)	Lighting:	N
	Fencing:	N
	Glare-Screen:	N
	Splash-Guard:	N
	Catwalks:	N
	Other-Feat:	N
(184)	Signs-On:	N
	Signs-Under	N
(162)	Fence-Ht	0.0
(163)	Noise Barr	N

SFNs Replacing this retired bridge: -
SFNs That were replaced by this bridge: -
This bridge was retired and copied to:
The bridge was copied from:

INV Field Bridge Marker: CHP - 00029 - 3145 -
INT Field Bridge Marker: - - -

(95) Insp: OHIO TRAN DEPT	2nd: NONE	3rd: NONE
(96) Maint: OHIO TRAN DEPT	2nd: NONE	3rd: NONE
(97) Routine: CITY/LOCAL	2nd: NONE	3rd: NONE

PONTIS CoRe elements and Conditions States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
13	CONCRETE DECK - UNPROTECTED W/AC OVERLAY	1		0	0	0	0	0
104	P/S CONC CLOSED WEB/BOX GIRDER	0		0	0	0	0	0
215	REINFORCED CONC ABUTMENT	73		0	0	0	0	0
302	COMPRESSION JOINT SEAL	73		0	0	0	0	0
311	MOVEABLE BEARING (ROLLER, SLIDING, ETC.)	0		0	0	0	0	0
321	REINFORCED CONCRETE APPROACH SLAB	2		0	0	0	0	0
333	MISCELLANEOUS - BRIDGE RAILING	140		0	0	0	0	0

(*) Percentages should add to 100%