

2008 DELAWARE COUNTY BRIDGE REPORT

Bridge Inventory and Inspection Summary

Road Name:	STRATFORD RD.	Feature Intersected:	BEECHER RUN
Route #:	C0004	Location:	0.97 MI. N. OF US 23
Log Point:	0097	Township:	DELAWARE
SFN:	2130009	Date Inspected (MMDDYY):	031209
Structure Type:	555	Deck Summary:	5
Year Built:	1900	Superstructure Summary:	4
Year Rehab:	1930	Substructure Summary:	5
Overall Length (ft):	18	Culvert Summary:	
Roadway Width (ft):	42.0	Channel Summary:	5
Estimated ADT (year):	2000 (04)	Approach Summary:	8
HS Operating Rating (tons):	41	GA and OS:	4A
HS Inventory Rating (tons):	30	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	100	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	67.2 (S)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 25-some broken and missing stones, extensive mortar loss in upper portion of arch, especially at right end; 27-mortar loss; 33-some efflorescence on extensions; 38-left hand wall hollow, spalling, efflorescence, minor section loss;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
OR is maximum allowable load for occasional/permit loads. IR is limit for routine loads.

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Bridge Inventory and Inspection Summary

Road Name:	PANHANDLE RD.	Feature Intersected:	OLENTANGY RIVER
Route #:	C0215	Location:	INT. OF US 23
Log Point:	0003	Township:	DELAWARE
SFN:	2130165	Date Inspected (MMDDYY):	042508
Structure Type:	154	Deck Summary:	4
Year Built:	1900	Superstructure Summary:	4
Year Rehab:	1975	Substructure Summary:	6
Overall Length (ft):	282	Culvert Summary:	
Roadway Width (ft):	28.0	Channel Summary:	7
Estimated ADT (year):	2980 (06)	Approach Summary:	7
HS Operating Rating (tons):	45	GA and OS:	4A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	100	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	44.4 (S)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 1-severe loss of concrete on transverse cantilever deck slabs exposing reinforcing and prestressing strands, especially on RH side; 5-railing anchor bolts exposed in some places on RH side, anchorage strength is questionable; 25-spalling and delamination of arch near edges, concrete is cracking and spalling off main rebar in some places; 27-vert.,horz. cracking; 35-map cracking, erosion on nose; See separate report in bridge jacket.

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	WARRENSBURG RD.	Feature Intersected:	DELAWARE RUN
Route #:	M0172	Location:	0.1 MI. W. OF SR 37
Log Point:	0342	Township:	DELAWARE
SFN:	2132699	Date Inspected (MMDDYY):	020509
Structure Type:	121	Deck Summary:	4
Year Built:	1940	Superstructure Summary:	4
Year Rehab:	1985	Substructure Summary:	5
Overall Length (ft):	31	Culvert Summary:	
Roadway Width (ft):	18.9	Channel Summary:	7
Estimated ADT (year):	1880 (06)	Approach Summary:	7
HS Operating Rating (tons):	41	GA and OS:	4A
HS Inventory Rating (tons):	30	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	100	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	45.7 (S)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 1-spalling, rebar exposure inboard of fascia beams; 10-left fascia beam (of 5 total beams) has extensive spalling, section loss and exposed rusted rebar, right fascia beam section loss and rusted rebar exposure.; 33-vertical cracks, map cracking, efflorescence; 38-map cracking, efflorescence, some spalling; 59-steep, narrow;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	CURVE RD.	Feature Intersected:	ABANDONED MINE RAILROAD
Route #:	T0089	Location:	0.1 MI. N. OF TR 102
Log Point:	0011	Township:	DELAWARE
SFN:	2131862	Date Inspected (MMDDYY):	031209
Structure Type:	195	Deck Summary:	
Year Built:	1920	Superstructure Summary:	
Year Rehab:		Substructure Summary:	
Overall Length (ft):	14	Culvert Summary:	5
Roadway Width (ft):	28.6	Channel Summary:	
Estimated ADT (year):	1800 (04)	Approach Summary:	5
HS Operating Rating (tons):	45	GA and OS:	5A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	88.8 (C)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 43-many transv. and longitudinal cracks (deep and open); 47-spalling, erosion; 55-berm on RH side is washing out; 59-erosion at RF corner, getting close to pavement;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	CURVE RD.	Feature Intersected:	NORFOLK SOUTHERN RR
Route #:	T0089	Location:	0.2 MI E OF BERLIN STA RD
Log Point:	0026	Township:	DELAWARE
SFN:	2131706	Date Inspected (MMDDYY):	111008
Structure Type:	155	Deck Summary:	5
Year Built:	1917	Superstructure Summary:	5
Year Rehab:		Substructure Summary:	6
Overall Length (ft):	34	Culvert Summary:	
Roadway Width (ft):	99.9	Channel Summary:	
Estimated ADT (year):	800 (08)	Approach Summary:	7
HS Operating Rating (tons):	72	GA and OS:	5A
HS Inventory Rating (tons):	72	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	000	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	N/A ()
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 25&27-map cracking, delamination and efflorescence in arch, spandrel walls and wingwalls;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	CURVE RD.	Feature Intersected:	NO NAME RUN
Route #:	T0089	Location:	0.2 MI W OF GLENN RD.
Log Point:	0125	Township:	DELAWARE
SFN:	2131749	Date Inspected (MMDDYY):	031209
Structure Type:	395	Deck Summary:	
Year Built:	1983	Superstructure Summary:	
Year Rehab:		Substructure Summary:	
Overall Length (ft):	16	Culvert Summary:	6
Roadway Width (ft):	32.0	Channel Summary:	6
Estimated ADT (year):	500 (02)	Approach Summary:	8
HS Operating Rating (tons):	45	GA and OS:	6A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	99.8 (C)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 43-barrels silted, barrel #3 of 3 is 25% full, others 10%; 45-slight crush in forward line; 46-slight separation; 53-debris and vegetation clogging inlet; 55-edge cracks in pavement;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	POLLOCK RD.	Feature Intersected:	ANDERSON RUN
Route #:	T0101	Location:	0.6 MI. N. OF US 23
Log Point:	0061	Township:	DELAWARE
SFN:	2131994	Date Inspected (MMDDYY):	031209
Structure Type:	395	Deck Summary:	
Year Built:	1971	Superstructure Summary:	
Year Rehab:		Substructure Summary:	
Overall Length (ft):	26	Culvert Summary:	6
Roadway Width (ft):	23.0	Channel Summary:	7
Estimated ADT (year):	600 (04)	Approach Summary:	7
HS Operating Rating (tons):	45	GA and OS:	6A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	94.8 (C)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 43-seepage and rust at springline (all 3 lines), <10% section loss; 47-fine cracks and efflorescence above openings; 51-flood debris and weeds have been cleared both ends; 59-steep with washout LR;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	POLLOCK RD.	Feature Intersected:	KINGSBURY RUN
Route #:	T0101	Location:	0.1 MI. S. OF KINGSBURY
Log Point:	0182	Township:	DELAWARE
SFN:	2134624	Date Inspected (MMDDYY):	031209
Structure Type:	195	Deck Summary:	
Year Built:	2002	Superstructure Summary:	
Year Rehab:		Substructure Summary:	
Overall Length (ft):	18	Culvert Summary:	9
Roadway Width (ft):	32.0	Channel Summary:	9
Estimated ADT (year):	1500 (02)	Approach Summary:	9
HS Operating Rating (tons):	45	GA and OS:	9A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	99.6 (C)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

No comments.

Notes:

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2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	ARMSTRONG RD.	Feature Intersected:	OLENTANGY RIVER
Route #:	T0102	Location:	INT. OF STRATFORD RD.
Log Point:	0001	Township:	DELAWARE
SFN:	2133210	Date Inspected (MMDDYY):	031209
Structure Type:	322	Deck Summary:	8
Year Built:	1993	Superstructure Summary:	9
Year Rehab:		Substructure Summary:	8
Overall Length (ft):	205	Culvert Summary:	
Roadway Width (ft):	36.0	Channel Summary:	9
Estimated ADT (year):	1500 (04)	Approach Summary:	6
HS Operating Rating (tons):	45	GA and OS:	8A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	99.8 ()
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 41-trees growing along side the bridge on slopes need cut; 53-small amount of flood debris at pier #1; 55-many transverse and longitudinal cracks at forward and rear; 56-some minor settlement of backfill under approach slabs;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	KINGSBURY RD.	Feature Intersected:	KINGSBURY RUN
Route #:	T0103	Location:	0.2 MI. W. OF CR 91
Log Point:	0054	Township:	DELAWARE
SFN:	2132036	Date Inspected (MMDDYY):	031209
Structure Type:	395	Deck Summary:	
Year Built:	1970	Superstructure Summary:	
Year Rehab:		Substructure Summary:	
Overall Length (ft):	12	Culvert Summary:	6
Roadway Width (ft):	22.0	Channel Summary:	7
Estimated ADT (year):	400 (04)	Approach Summary:	8
HS Operating Rating (tons):	45	GA and OS:	6A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	100 (C)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 43-waterline surface rust with no section loss; 48-scour under pipes at RH side (outlet); 53-debris at inlet; 59-erosion between pipes at LH side, developing washout within 5' of E/P;

Notes:

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4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	S. SECTION LINE RD	Feature Intersected:	STEEL CRYDER DITCH
Route #:	C0005	Location:	0.1 MI N OF PITTSBURGH DR
Log Point:	0630	Township:	DELAWARE - SCIOTO
SFN:	2130025	Date Inspected (MMDDYY):	030309
Structure Type:	321	Deck Summary:	5
Year Built:	1960	Superstructure Summary:	6
Year Rehab:	1985	Substructure Summary:	7
Overall Length (ft):	20	Culvert Summary:	
Roadway Width (ft):	26.5	Channel Summary:	8
Estimated ADT (year):	5340 (04)	Approach Summary:	6
HS Operating Rating (tons):	43	GA and OS:	6A
HS Inventory Rating (tons):	26	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):		<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	140	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	63.4 (F)
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 1-widespread heavy scaley rust; 55-beginning hole at LR corner; 59-narrow and steep;

Notes:

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4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
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Bridge Inventory and Inspection Summary

Road Name:	S. SECTION LINE RD	Feature Intersected:	BEVAN SWALE
Route #:	C0005	Location:	130 FT. SOUTH OF U.S. 36
Log Point:	0704	Township:	DELAWARE-SCIOTO
SFN:	2135760	Date Inspected (MMDDYY):	030309
Structure Type:	171	Deck Summary:	9
Year Built:	2007	Superstructure Summary:	9
Year Rehab:		Substructure Summary:	9
Overall Length (ft):	14	Culvert Summary:	
Roadway Width (ft):	37.0	Channel Summary:	8
Estimated ADT (year):	5340 (07)	Approach Summary:	7
HS Operating Rating (tons):	45	GA and OS:	9A
HS Inventory Rating (tons):	36	<i>GA=general appraisal; OS=operational status</i>	
Posted Limit (tons):	THIS IS A NEW BRIDGE - N	<i>A=open to traffic; B=posting recommended; G=new bridge</i>	
% Legal Load:	150	<i>K=closed to all traffic; P=posted weight limit implemented</i>	
		Suff. Rating (SD or FO):	96.5 ()
		<i>S = structurally deficient; F = functionally obsolete; * = culvert</i>	

Bridge Inspection Comments:

Item 59-some slope erosion at RF corner;

Notes:

1. Item numbers in comments refer to BR86 bridge items.
2. Culverts are not scored for "deck, superstructure or substructure". Bridges are not for "culvert".
3. If posted weight limit is blank, the bridge can carry Ohio Legal Loads with no restriction.
4. GA=general appraisal or overall score from 1 to 9 (9 is excellent, 0=closed/failed)
5. HS Operating (OR) and Inventory ratings (IR) are total weight of truck (45 tons = HS25-44, 36 tons = HS20-44)
OR is maximum allowable load for occasional/permit loads. IR is limit for routine loads.