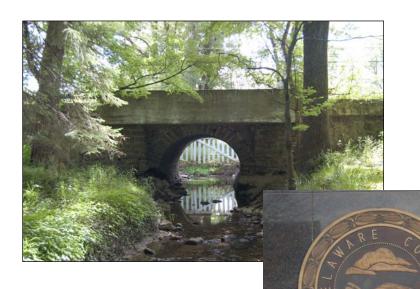
Rumschlag Technical Services

DELAWARE COUNTY, INDIANA CULVERT INSPECTION & REPORT

SEPTEMBER 21, 2007

-- FINAL REPORT --





BY:

RUMSCHLAG TECHNICAL SERVICES

BROWNSBURG INDIANA



specializing in bridge inspections

SMALL BRIDGE INSPECTION REPORT

DELAWARE COUNTY, INDIANA September 21, 2007

Submitted to:

BOARD OF COMMISSIONERS Delaware County, Indiana

DELAWARE COUNTY BOARD of COMMISSIONERS

Tom L. Bennington

Commissioner

Larry W. Bledsoe, Jr.

John H. Brooke

Judith L. Rust

Michael Denton

Commissioner

Commissioner

Auditor

County Highway Engineer

PREPARED by:

RUMSCHLAG TECHNICAL SERVICES 5421 Green Hills Drive Brownsburg, IN 46112

(317)796-5657

date: _____

Leo J. Rumschlag, P.E.

Delaware County, IN – Small Bridge Inspection, 2007

INTRODUCTION

The purpose of this project is to inspect, rate, and provide a summary of the condition of 72 small bridges within jurisdiction of the Delaware County Highway Department. These 72 small bridges were selected by the County Engineering staff based on known or suspected problems.

The purpose of this report is to assist the County in planning and prioritizing the most economical bridge maintenance, repairs, and replacements. A secondary purpose is to enhance the safety of Delaware County Roads.

The inspections, ratings and this report are based on a "walkover" inspection conducted by Rumschlag Technical Services. A walkover inspection includes a close visual examination of all parts of the structure that can be easily accessed by walking around the structure. There were no tests performed on the structures to determine the strength of the material or to determine the amount of reinforcement in the concrete. The supporting members' dimensions were measured to the best of the inspector's abilities, and the analysis was performed accordingly.

The inspections were performed and the report was written in accordance with the following publications:

Manual for Condition Evaluation of Bridges, AASHTO

Roadside Design Guide, AASHTO

Manual on Uniform Traffic Control Devices, AASHTO

Guidelines for Geometric Design of Very Low-Volume Roads, AASHTO

WEB-GIS, Online Watershed Delineation, Purdue Agricultural & Biological Engineering

TRAFFIC AND SAFETY ISSUES

Review of various highway safety related documents reveals the following concerning traffic safety on low volume roads:

- *"At locations where a clear recovery area of 6 ft or more in width can be provided at low cost and with minimum social/environmental impacts, provision of such a clear recovery area should be considered"*, AASHTO, <u>Geometric Design of Very Low-Volume Local Roads</u>, pg. 48.
- *"roadside clear zones provide very little benefit, and that traffic barriers are not generally cost-effective on roads with very low traffic volumes"*, AASHTO, <u>Geometric Design of Very Low-Volume Local Roads</u>, pg. 48.
- Figure 3.1 of AASHTO's <u>Roadside Design Guide</u> calls for a clear zone of 2 meter (6 ft) for low-volume roads (less than 750 ADT).

Traffic data has not been collected for Delaware County Roads as of the date of this report. It has been presumed, for the purposes of this report and its recommendations, that all Delaware County roads have an Average Daily Traffic of less than 400 vehicles per day.

The placement of traffic safety features is always subject to engineering judgment.

The placement of traffic safety features is also subject to budget restrictions and to cost/benefit analysis, which is beyond the scope of this report.

Certain culverts have been recommended for posting as "One Lane Bridge". This posting is generally required when the bridge roadway width is less than 18.0 feet. See page 5C-4 of M.U.T.C.D.



Looking East





Looking Northeast

Looking Southwest

DELAWARE COUNTY SMALL BRIDGE INSPECTION REPORT Small Bridge No: 12 **IDENTIFICATION** Road Name: 350 North Township: HAMILTON Location: 2100' EAST OF SR 67 ADT: **Stream Name:** Year of ADT: 0 **Road Classif:** Year Built: 0 STRUCTURE INFORMATION Waterway Open (sqft): 75 Drain Area (acres): 589 Span / Height (ft): 15.3 / 5.4 Structure Type: Al Box Culvert **Skew (deg):** 45 Approx Cover (ft): 2.0 Culvert Length (ft): 53.0 Roadway Width (ft): 23.0 No of Spans/Barrels: 1 Wearing Surface: Bituminous **CONDITION MATERIAL CONDITION** Deck: n.a. n.a. Superstructure: n.a. n.a. Substructure: n.a. n.a. Channel: Natural / riprap Good Headwall: Aluminum Good Culvert: Al Box Culvert Good Road: Bituminous Good Rail: Steel M-shaped Good Load Rating: 20 Ton **PROPOSED IMPROVEMENTS Description Priority** Cost **Bank/Stream:** Safety-Signs: Safety-GR: **Replace: Road/Shld: Other: MISC INFORMATION** Inspected by: LJR Inspection Date: 6/27/2007 Est Remain Life (yr): 50 Remarks: OM3's in place. **Hwy Note 1:** Hwy Note 2:



Looking West



Looking Southeast



Looking Northwest

Scour under Foundation

	Small Bridge	No: 26			
	IDENTI	FICATION			
Road Name: Riggin Ro Location: 1600' EA Stream Name:			ADT ear of ADT	: : 0	/HAMILTON
Road Classif:			Year Built	: 0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 48 Structure Type: Steel Skew (deg): 45 Culvert Length (ft): 80.0	Beam, Encased	Drain Area (a Span / Heigh Approx Cove Roadway Widtl	t (ft): 8.0 r (ft): 1.0 h (ft): 23.0	/ 6.0	
No of Spans/Barrels: 1		Wearing Sui	face: Bitur	ninous	
MATER		<u>CONDITION</u>]		
Deck: Concrete Superstructure: Steel Bear Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Bituminou Rail: None Load Rating: 20 Ton Description Bank/Stream: Pour concrete box Safety-Signs: Safety-GR: Replace: Road/Shld: Other:	n, Encased 15 PROPOSED I I	Good Good, light rust Good, some undern Fair, scour through Good n.a. Good n.a.	nining	Priority 3	<u>Cost</u> \$5,900
	MISC INF	FORMATION			
Inspected by: LJR Est Remain Life (yr): 4 Remarks: Steel bea	am, encased bridge	Ins has been widened wit	pection Da		
Hwy Note 1:					
Hwv Note 2:					



Looking North



Looking East



Bottom of Deck

	Small Bridge N	o: 95			
	IDENTIF	ICATION			
Road Name: 550 Eas	st		Township	: NILES	
Location: 700' NO	ORTH OF EATON-AL	BANY PIKE	ADT	:	
Stream Name:		Ye	ear of ADT	: 0	
Road Classif:			Year Built	: 0	
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 80		Drain Area (a	cres): 963		
Structure Type: Rei	nforced Concrete Slab	Span / Heigh	t (ft): 11.5	/ 7.0	
Skew (deg): 0		Approx Cove	r (ft): 1.0		
Culvert Length (ft): 32.0	C	Roadway Widtl	h (ft): 17.0		
No of Spans/Barrels: 1		Wearing Sur	rface: Bitur	ninous	
	COND	DITION			
MATE	RIAL	CONDITION			
Deck: Concret	e	Poor, heavy spalling	g		
Superstructure: Reinford	ced Concrete Slab	Poor, heavy spalling	g & rust.		
Substructure: Concret	e	Poor, settled south			
Channel: Natural		Good			
Headwall: Concret	e	Poor, failed			
Culvert: n.a.		n.a.			
Road: Bitumin	ous	Good			
Rail: Steel M	-shaped	Poor			
Load Rating: 05 Ton					
	PROPOSED IM	PROVEMENTS			
Descriptio	n			<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Post "5 Ton We	eight Limit"			1	\$60
Safety-GR:					
Replace: Replace structu	ire			2	\$48,600
Road/Shld:					
Other:					
	MISC INFO	ORMATION			
Inspected by: LJR		Ins	<pre>pection Date</pre>	te• 6/18/2()07
Est Remain Life (yr): 1		IIIS	spection Da	U . 0/10/20	/07
•	nmend 6 month reinspe	ection			
Kennar K.S. Keelon	inche o month temspe				
Hwy Note 1:]
Hwv Note 2:					



Looking East





Looking North

Looking South

	Small Bri	idge No: 173			
	ID	ENTIFICATION			
Road Name: Woods	ide Road		Township:	DFLAW	ARF
Location: JUST V		TERY ROAD	ADT:		III
Stream Name:			ear of ADT:		
Road Classif:		-	Year Built:		
	STRUCT	TURE INFORMATION			
Waterway Open (sqft): 37		Drain Area (a	cres): 734		
Structure Type: Al	Box Culvert	Span / Heigh	nt (ft): 12.0	/ 3.5	
Skew (deg): 30		Approx Cove	er (ft): 1.5		
Culvert Length (ft): 48.	0	Roadway Widt	h (ft): 19.0		
No of Spans/Barrels: 1		Wearing Su	rface: Bitum	linous	
		CONDITION			
MATE	ERIAL	CONDITION	N		
Deck: n.a.		n.a.			
Superstructure: n.a.		n.a.			
Substructure: n.a.		n.a.			
Channel: Natural		Good			
Headwall: None		n.a.			
Culvert: Al Box	Culvert	Good			
Road: Bitumin	ous	Good. Sink hole at	NE corner.		
Rail: None		n.a.			
Load Rating: 20 Ton					
	PROPOS	ED IMPROVEMENTS			
Descriptio	<u> </u>			<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Place OM2's				3.5	\$38
Safety-GR:				5.5	ψ50
Replace:					
Road/Shld: Fix sinkhole at	NE corner.			3	\$100
Other:				C	<i>4100</i>
	MIS	C INFORMATION	J		
Inspected by: LJR		In	spection Dat	e: 7/3/200	7
Est Remain Life (yr): 40					
Remarks:					
Hwy Note 1:					
Hwy Note 2:					
nwy note 2:					



Looking South





West End

East End

DELAWARE COUNTY SMALL BRIDGE INSPECTION REPORT Small Bridge No: 185 **IDENTIFICATION** Road Name: Woodside Road Township: DELAWARE Location: EAST OF SR 67 ADT: Stream Name: Year of ADT: 0 **Road Classif:** Year Built: 0 STRUCTURE INFORMATION Waterway Open (sqft): 37 Drain Area (acres): 660 Structure Type: Al Box Culvert Span / Height (ft): 12.0 / 3.5 Skew (deg): 0 **Approx Cover (ft): 2.5** Culvert Length (ft): 40.0 Roadway Width (ft): 20.0 No of Spans/Barrels: 1 Wearing Surface: Bituminous **CONDITION MATERIAL CONDITION** Deck: n.a. n.a. Superstructure: n.a. n.a. Substructure: n.a. n.a. **Channel:** Natural Meandering Headwall: None n.a. Culvert: Al Box Culvert Good. Bottom silted in. Road: Bituminous Good Rail: Steel M-shaped, east Good Load Rating: 20 Ton **PROPOSED IMPROVEMENTS Description Priority** Cost **Bank/Stream:** Safety-Signs: Place OM2's 3.7 \$38 Safety-GR: **Replace: Road/Shld: Other: MISC INFORMATION** Inspected by: LJR Inspection Date: 7/3/2007 Est Remain Life (yr): 40 **Remarks:** Structure may have been set too low. **Hwy Note 1:** Hwy Note 2:



Looking East





Looking North

Looking South

	Small Bridge No	: 267		
	IDENTIFI	CATION		
Road Name: 400 North Location: 4100' EAS Stream Name: Road Classif:		Ye	Township: DELAWA ADT: ear of ADT: 0 Year Built: 0	ARE
	STRUCTURE IN	NFORMATION		
Waterway Open (sqft): 80 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 19.5 No of Spans/Barrels: 1	orced Concrete Slab	Approx Cover Roadway Width	t (ft): 16.0 / 5.0 r (ft): 1.0	
	CONDI	TION		
MATER Deck: Concrete		CONDITION Good		
Superstructure: Reinforced		Good		
Substructure: Concrete		Good		
Channel: Natural		Good		
Headwall: Concrete	(Good		
Culvert: n.a.	1	n.a.		
Road: Chip & Sea	al (Good		
Rail: Concrete	(Good, low		
Load Rating: 20 Ton				
	PROPOSED IMI	PROVEMENTS		
Description			<u>Priority</u>	<u>Cost</u>
Bank/Stream: Safety-Signs: Post "1 Lane", Ad Safety-GR: Replace: Road/Shld: Other:	ld OM3's		2	\$168
	MISC INFO	RMATION		
Inspected by: LJR Est Remain Life (yr): 40 Remarks: 17'7" bet	ween concrete rails.	Ins	pection Date: 7/3/200	7
Hwy Note 1:				



Looking East





Looking North

Looking South

	Small Bridge I	No: 288	
	IDENTI	FICATION	
Road Name: 350 Not Location: 1300' E Stream Name: Road Classif:		Ye	Township: DELAWARE ADT: ear of ADT: 0 Year Built: 0
	STRUCTURE	INFORMATION	
	SIRUCIURE		
Waterway Open (sqft): 52		Drain Area (a	
Structure Type: All	Sox Curven		t (ft): 14.5 / 3.7
Skew (deg): 5 Culvert Length (ft): 26.0)	Approx Cove Roadway Widtl	
No of Spans/Barrels: 1)	-	face: Bituminous
No of Spans/Darreis. 1	CON	DITION	
			_
MATE	<u>RIAL</u>	CONDITION	
Deck: n.a.		n.a.	
Superstructure: n.a.		n.a.	
Substructure: n.a.		n.a.	
Channel: Natural		Good	
Headwall: None Culvert: Al Box (Culturant	n.a.	
Road: Bitumin		Good Good	
		Inadequate posts	
Rail: Steel M- Load Rating: 20 Ton	shaped	madequate posts	
	PROPOSED IN	MPROVEMENTS	
Description			Priority Cost
Bank/Stream:			
Safety-Signs:			
Safety-GR: Replace:			
Road/Shld:			
Other:			
<u></u>			
	MISC INF	ORMATION	
Inspected by: LJR		Ins	- spection Date: 7/3/2007
Est Remain Life (yr): 40			-
Remarks: OM3's	in place.		
H N -4-1-			
Hwy Note 1:			
Hwv Note 2:			



<image>



Looking East

Looking North

Looking South

	Small Bridge N	No: 326	
	IDENTI	FICATION	
Road Name: 900 North Location: 2300' EA Stream Name: Road Classif:			Township: UNION ADT: car of ADT: 0 Year Built: 0
	STRUCTURE	INFORMATION	
Waterway Open (sqft): 106 Structure Type: Steel Skew (deg): 0 Culvert Length (ft): 27.0 No of Spans/Barrels: 1	Beam, Encased	Drain Area (ad Span / Heigh Approx Cover Roadway Width Wearing Sur	t (ft): 15.1 / 7.0 r (ft): 0.9
	CON	DITION	
MATER	RIAL	CONDITION	
Deck: Concrete Superstructure: Steel Bear Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & So Rail: None Load Rating: 20 Ton	eal	Good, few spalls Fair, mod to hvy rus Fair, moderate spall Good Fair, moderate spall n.a. Uneven n.a.	-
Bank/Stream: Safety-Signs: Place OM2's			3.9 \$38
Safety-GR: Replace: Road/Shld: Other:			
	MISC INF	ORMATION	
Inspected by: LJR Est Remain Life (yr): 15 Remarks:		Ins	pection Date: 6/19/2007
Hwv Note 1: Hwv Note 2:			





Looking East

Looking North

Looking South

	Small Bridge No	: 329		
	IDENTIFI	CATION		
Road Name: 900 North Location: 1300' EA	N ST OF WALNUT ST		Township: UN ADT:	ION
Stream Name:		Ye	ar of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE IN	FORMATION		
Waterway Open (sqft): 12		Drain Area (ac	eres): 345	
Structure Type: Reinfo	orced Concrete Slab	Span / Height	t (ft): 12.0 / 1	.0
Skew (deg): 0		Approx Cover	(ft): 0.5	
Culvert Length (ft): 20.0		Roadway Width	(ft): 15.0	
No of Spans/Barrels: 1		Wearing Sur	face: Chip & Se	al
	CONDI	TION		
MATER	IAL	CONDITION	-	
Deck: Concrete	(Good		
Superstructure: Reinforced	l Concrete Slab	Good, light spalling		
Substructure: Concrete	(Good		
Channel: Natural	(Good		
Headwall: Concrete	Ι	Light spalling		
Culvert: n.a.	r	1.a.		
Road: Chip & Se	al (Good		
Rail: None	r	1.a.		
Load Rating: 20 Ton				
	PROPOSED IMP	PROVEMENTS		
Description			Prio	<u>rity</u> <u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other: Clear vegetation			3	\$0
	MISC INFO	RMATION		
Inspected by: LJR		Ins	pection Date: 6/	19/2007
Est Remain Life (yr): 30				
Remarks: OM2s in	place.			
Have Note 1.]
Hwy Note 1:				
Hwv Note 2:				



Looking West

Looking North



Looking South

Bottom

	Small Bridge No	b: 440			
	IDENTIFI	CATION			
Road Name: 950 North Location: 600' WES Stream Name: Road Classif:		Ye	Township: ADT: ear of ADT: Year Built:	0	IGTON
	STRUCTURE IN	NFORMATION			
Waterway Open (sqft): 8 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 20.0 No of Spans/Barrels: 1		Drain Area (a Span / Heigh Approx Cove Roadway Widtl Wearing Sur	t (ft): 8.0 r (ft): 0.7 n (ft): 14.0	/ 1.0 & Seal	
	COND	ITION			
MATERI Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: None Headwall: Concrete Culvert: n.a. Road: Chip & Sea Rail: None Load Rating: 10 Ton Description Bank/Stream: Safety-Signs: Add OM2's Safety-GR: Replace: Replace with pipe Road/Shld:	l Concrete Slab al PROPOSED IMI	CONDITION Poor, heavily spalle Poor, heavy spalling Poor, road is sinking n.a. Good n.a. Rough n.a.	d g & corrosior g	Priority 3.2 2	<u>Cost</u> \$38 \$3,000
Other:					
	MISC INFO	RMATION	J		
Inspected by: LJR Est Remain Life (yr): 2 Remarks: Do not p failure.	ost weight limit. Lov		spection Date		
Hwv Note 1: Hwv Note 2:					



Looking West





Looking South

Looking North

	Small Bridge No	o: 452			
	IDENTIFI	CATION			
Road Name: 850 Nor	th		Township	: WASHIN	GTON
Location: 850' EA	ST OF CR 500 W		ADT	:	
Stream Name:		Y	ear of ADT		
Road Classif:			Year Built	: 0	
	STRUCTURE IN	NFORMATION			
Waterway Open (sqft): 16		Drain Area (a	cres): 489		
Structure Type: Rein	forced Concrete Slab	Span / Heigh	t (ft): 8.0	/ 2.0	
Skew (deg): 0		Approx Cove	r (ft): 0.7		
Culvert Length (ft): 30.0		Roadway Widt	h (ft): 20.0		
No of Spans/Barrels: 1		Wearing Su	rface: Bitu	minous	
	COND	ITION			
MATE	RIAL	CONDITION	<u>[</u>		
Deck: Concrete		Good			
Superstructure: Reinforce	ed Concrete Slab	Good			
Substructure: Concrete	(Good			
Channel: None	I	n.a.			
Headwall: Concrete	(Good			
Culvert: n.a.	I	n.a.			
Road: Bitumino	bus	Fair, cracks			
Rail: None	I	n.a.			
Load Rating: 20 Ton			-		
	PROPOSED IMI	PROVEMENTS			
Description	<u>l</u>			<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Reset SE OM3				3.3	\$28
Safety-GR:					
Replace:					
Road/Shld:					
Other: Clear vegetation	l			3	\$0
	MISC INFO	RMATION			
Inspected by: LJR		Ind	Spection Da	te: 6/26/20	07
Est Remain Life (yr): 30			pection Da		07
Remarks: OM3's	in place				
Kennarks, OWIJS					
H No4- 1-]
Hwy Note 1:					
Hwv Note 2:					



Looking East





Looking South

Looking North

Small Bridge N	No: 587			
IDENTI	FICATION			
enue ST OF CR 700 W		ADT: ear of ADT:	0	ON
STRUCTURE	INFORMATION			
ess Box Beams	Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 14.0 r (ft): 0.5 n (ft): 20.0		
CON	DITION			
Box Beams s aped	Good Good. 2' scour west Wooded, overgrown Good n.a. Good Good	. No undermi		<u>Cost</u> \$19
			3	\$0
MISC INF	ORMATION			
place.		pection Date	e: 6/26/20	07
	IDENTII renue ST OF CR 700 W STRUCTURE ess Box Beams CON IAL Box Beams s haped PROPOSED IN M2 M1SC INF	ST OF CR 700 W STRUCTURE INFORMATION STRUCTURE INFORMATION Drain Area (adden) So a Beams CONDITION LAL CONDITION LAL CONDITION A CONDITION A CONDITION A COND	IDENTIFICATION Township: ST OF CR 700 W ADT: Year of ADT: STRUCTURE INFORMATION Drain Area (acres): 207 Span / Height (ft): 14.0 Approx Cover (ft): 0.5 Roadway Width (ft): 20.0 Wearing Surface: Bitum CONDITION Mathematical CONDITION Good Good Rood Good No dood Rood Agood Rood Agood Agood Agood Agood Agood <th< td=""><td>IDENTIFICATION Township: HARRIS(STOF CR 700 W ADT: Year of ADT: 0 STRUCTURE INFORMATION Drain Area (acres): 207 ess Box Beams Span / Height (ft): 14.0 / 7.0 Approx Cover (ft): 0.5 Roadway Width (ft): 20.0 Wearing Surface: Bituminous CONDITION IAL Good Box Beams Good Priority Mage: Cond South Cond Base Good Priority Mage: Cond Advance Priority Mage: Cond Advance Priority Mage: Cond Advance <t< td=""></t<></td></th<>	IDENTIFICATION Township: HARRIS(STOF CR 700 W ADT: Year of ADT: 0 STRUCTURE INFORMATION Drain Area (acres): 207 ess Box Beams Span / Height (ft): 14.0 / 7.0 Approx Cover (ft): 0.5 Roadway Width (ft): 20.0 Wearing Surface: Bituminous CONDITION IAL Good Box Beams Good Priority Mage: Cond South Cond Base Good Priority Mage: Cond Advance Priority Mage: Cond Advance Priority Mage: Cond Advance <t< td=""></t<>



Looking South



Looking West

	Small Bridge No	o: 590			
	IDENTIF	CATION			
Road Name: 700 West Location: 900' SOU Stream Name: Road Classif:	t JTH OF BETHEL AV	Ye	Township: HA ADT: ear of ADT: 0 Year Built: 0	ARRISO	N
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 18 Structure Type: Reinf Skew (deg): 0 Culvert Length (ft): 22.0 No of Spans/Barrels: 1	forced Concrete Slab	Approx Cover Roadway Width	t (ft): 12.0 / r (ft): 1.0		
	COND	ITION			
MATER Deck: Concrete Superstructure: Reinforce Substructure: Concrete Channel: Grass Headwall: Concrete Culvert: n.a. Road: Cold Mix Rail: Concrete Load Rating: 20 Ton Description	d Concrete Slab	CONDITION Fair, moderate to lig Fair, moderate to lig Good Good Spalled, leaning n.a. Fair Leaning, east	ght spalling ght spalling.	<u>ority</u>	Cost
Replace: Road/Shld: Other: Clear vegetation				3	\$0
	MISC INFO	RMATION			
Inspected by: LJR Est Remain Life (yr): 15 Remarks: Vegetat Hwy Note 1:	ion obstructs OM3's.		pection Date: 6	5/26/2001	7
Hwv Note 2:					



Looking East





North End

South End

	Small Bridge N	o: 607		
	IDENTIF	ICATION		
Road Name: 350 Nor	th		Township: HAMILTON	٧
Location: 2000' W	EST OF CR 312 E		ADT:	
Stream Name:		Ye	ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE I	NFORMATION		
Waterway Open (sqft): 84		Drain Area (ao	eres): 0	
Structure Type: Rein	nforced Concrete Box	Span / Heigh		
Skew (deg): 0		Approx Cove		
Culvert Length (ft): 72.0)	Roadway Width		
No of Spans/Barrels: 1		Wearing Sur	face: Bituminous	
	COND	DITION		
MATE	RIAL	CONDITION	-	
Deck: n.a.		n.a.		
Superstructure: n.a.		n.a.		
Substructure: n.a.		n.a.		
Channel: None		n.a.		
Headwall: Concrete	Block	Good		
Culvert: Reinforc	ed Concrete Box	Good		
Road: Bitumino	ous	Good		
Rail: Steel M-	shaped	Good		
Load Rating: 20 Ton				
	PROPOSED IM	PROVEMENTS		
Description	<u>n</u>		Priority	<u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INFO	ORMATION		
Inspected by: LJR			nection Datas 6/27/2007	
Est Remain Life (yr): 50		1115	pection Date: 6/27/2007	
-	ed by Aggregate Comp	2003/		
Kemarks. mstand	tu by Aggregate Com	Jany.		
Hwv Note 1:				
Hwv Note 2:				



Looking East





Looking North

Looking South

	Small Bridge	No: 608			
	IDENT	IFICATION			
Road Name: 350 Nort	h		Township:	DELAWA	RE
Location: 250' EAS			ADT:		ne
Stream Name:		Ye	ar of ADT:		
Road Classif:			Year Built:		
				_	
	STRUCTUR	E INFORMATION			
Waterway Open (sqft): 44		Drain Area (ac	eres): 242		
Structure Type: Al Bo	ox Culvert	Span / Height	t (ft): 13.5	/ 3.7	
Skew (deg): 10		Approx Cover	(ft): 2.0		
Culvert Length (ft): 37.0		Roadway Width	(ft): 19.0		
No of Spans/Barrels: 1		Wearing Sur	face: Bitum	linous	
	CO	NDITION			
MATER	IAL	CONDITION	-		
Deck: n.a.		n.a.			
Superstructure: n.a.		n.a.			
Substructure: n.a.		n.a.			
Channel: Grass		Good			
Headwall: None		n.a.			
Culvert: Al Box C	ulvert	Good. Minor voids	beneath.		
Road: Bitumino	18	Good			
Rail: None		n.a.			
Load Rating: 20 Ton					
	PROPOSED	MPROVEMENTS			
Description				<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs:					
Safety-GR:					
Replace:					
Road/Shld:					
Other: Clear vegetation				3	\$0
Other. Clear vegetation				5	ψŪ
	MISC IN	FORMATION			
Inspected by: LJR		Ins	pection Dat	e: 7/3/2007	7
Est Remain Life (yr): 40			-		
Remarks: OM3s in	n place.				
	-				
. .]
Hwy Note 1:					
Hwv Note 2:					



Looking West



South End



Looking South

Inside – Looking South

DELAWARE COUNTY SMALL BRIDGE INSPECTION REPORT Small Bridge No: 677 **IDENTIFICATION** Road Name: Centennial Avenue Township: LIBERTY Location: WEST OF CR 700 E ADT: **Stream Name:** Year of ADT: 0 **Road Classif:** Year Built: 0 STRUCTURE INFORMATION Waterway Open (sqft): 127 Drain Area (acres): 1359 Structure Type: Al Box Culvert Span / Height (ft): 19.4 / 8.0 Skew (deg): 0 Approx Cover (ft): 1.7 Culvert Length (ft): 35.0 Roadway Width (ft): 18.0 No of Spans/Barrels: 1 Wearing Surface: Bituminous **CONDITION MATERIAL CONDITION** Deck: n.a. n.a. Superstructure: n.a. n.a. Substructure: n.a. n.a. Channel: Natural / riprap Poor, concrete wall blocks inlet Headwall: None n.a. Culvert: Al Box Culvert Good Road: Bituminous Good Rail: None n.a. Load Rating: 20 Ton **PROPOSED IMPROVEMENTS** Description **Priority** Cost Bank/Stream: Remove concrete wall at south end 4 \$1,000 Safety-Signs: Reset NE OM3 3.7 \$28 Safety-GR: **Replace: Road/Shld: Other:** Clear vegetation 3 \$0 **MISC INFORMATION** Inspected by: LJR Inspection Date: 7/2/2007 Est Remain Life (yr): 20 **Remarks:** Riprap is 3' to 4' deep inside pipe. One OM3 in place. **Hwy Note 1:**

Hwy Note 2:





Looking North

Looking West

Looking East

	Small Bridge I	No: 738			
	IDENTI	FICATION			
Road Name: Northwod Location: 800' NOR' Stream Name: Road Classif:			Township: ADT: ear of ADT: Year Built:	0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 33 Structure Type: Al Box Skew (deg): 0 Culvert Length (ft): 36.0 No of Spans/Barrels: 1	x Culvert	Drain Area (a Span / Heigh Approx Cover Roadway Widtl Wearing Sur	t (ft): 13.0 r (ft): 1.5 n (ft): 21.0		
-	CON	DITION			
MATERI	AT.	CONDITION	.		
Deck: n.a.		n.a.			
Superstructure: n.a.		n.a.			
Substructure: n.a.		n.a.			
Channel: None		n.a.			
Headwall: None		n.a.			
Culvert: Al Box Cul	lvert, Al feet	Good, sag along len	gth		
Road: Bituminous	5	Good	0		
Rail: None		n.a.			
Load Rating: 20 Ton					
	PROPOSED IN	MPROVEMENTS			
Description				Priority	<u>Cost</u>
Bank/Stream: Safety-Signs: Add OM2's Safety-GR: Replace: Road/Shld:				3.7	\$38
Other:					
	MISC INF	ORMATION			
Inspected by: LJR Est Remain Life (yr): 50 Remarks: Minor sco		Ins	pection Date	e: 7/2/2007	7
Hwy Note 1:					
Hwy Note 2:					



Looking East





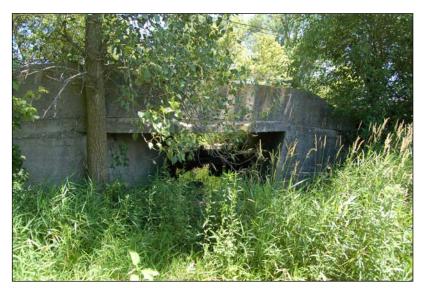
Looking North

Looking South

	Small Bridge No): 770		
	IDENTIFI	CATION		
Road Name: 50 South Location: 400' EAS Stream Name:	ST OF ALBANY ST/6		Township: LIBERTY ADT: ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE I			
	STRUCTURE IN]	
Waterway Open (sqft): 50		Drain Area (ad		
Structure Type: Rein	forced Concrete Box	- 0	t (ft): 10.0 / 5.0	
Skew (deg): 0		Approx Cover		
Culvert Length (ft): 43.0		Roadway Width		
No of Spans/Barrels: 1		_	face: Bituminous	
	COND	ITION	J	
MATER	RIAL	CONDITION		
Deck: n.a.		n.a.		
Superstructure: n.a.		n.a.		
Substructure: n.a.		n.a.		
Channel: Grass		Good		
Headwall: None		n.a.		
Culvert: Reinforce		Good		
Road: Bitumino	us	Good		
Rail: Steel M-s	haped	Good, rusted		
Load Rating: 20 Ton				
	PROPOSED IM	PROVEMENTS		
Description			Priority	<u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INFO	RMATION		
				,
Inspected by: LJR		Ins	pection Date: 7/2/2007	
Est Remain Life (yr): 50	1			
Remarks: OM2s i	n place.			
Hwy Note 1:				
Hwv Note 2:				



Looking North



Looking Southeast



Looking Southeast

Looking Northwest

	Small Bridge No	: 844			
	IDENTIFI	CATION			
Road Name: 900 East Location: 700' SOU Stream Name: Road Classif:	TH OF WINDSOR R	Ye	Township: ADT: ear of ADT: Year Built:	0	
	STRUCTURE IN	FORMATION			
Waterway Open (sqft): 106 Structure Type: Reinf Skew (deg): 45 Culvert Length (ft): 28.0 No of Spans/Barrels: 1		Drain Area (ad Span / Heigh Approx Cover Roadway Width Wearing Sur	t (ft): 15.2 r (ft): 0.5 n (ft): 13.0		
	CONDI	TION			
MATER	IAL	CONDITION			
Deck: Concrete Superstructure: Reinforce Substructure: Concrete Channel: Natural / c Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Concrete Load Rating: 20 Ton <u>Description</u> Bank/Stream: Safety-Signs: Place OM2's	d Concrete Slab (concrete (concrete (r eal N	Good Good, minor flexura Good Good n.a. Narrow, cracked Good PROVEMENTS		Priority 3.5	<u>Cost</u> \$38
Safety-GR:				5.5	φ50
Replace: Road/Shld: Other: Clear vegetation				3	\$0
	MISC INFO	RMATION			
Inspected by: LJR Est Remain Life (yr): 40 Remarks: Hwy Note 1:		Ins	pection Date	e: 7/2/2007	
Hwv Note 2:					







Looking East

Looking North

Looking South

	Small Bridge No: 849		
	IDENTIFICATION		
Road Name: Whitney I	Road	Township: LIBERTY	
Location: 1000' NO	RTH OF INLOW SPRINGS RD	ADT:	
Stream Name:	Y	Tear of ADT: 0	
Road Classif:		Year Built: 0	
	STRUCTURE INFORMATION		
Waterway Open (sqft): 66	Drain Area (acres): 834	
Structure Type: Al Bo		ht (ft): 12.0 / 6.2	
Skew (deg): 45	Approx Cov	er (ft): 2.5	
Culvert Length (ft): 60.0	Roadway Wid	th (ft): 18.5	
No of Spans/Barrels: 1	Wearing Su	urface: Bituminous	
	CONDITION		
MATER	IAL <u>CONDITIO</u>	N	
Deck: n.a.	n.a.		
Superstructure: n.a.	n.a.		
Substructure: n.a.	n.a.		
Channel: Natural	Good		
Headwall: None	n.a.		
Culvert: Al Box Cu	lvert Good		
Road: Bituminou	s Good		
Rail: Steel M-sh	aped Damaged north		
Load Rating: 20 Ton			
	PROPOSED IMPROVEMENTS		
Description		Priority	<u>Cost</u>
Bank/Stream:			
Safety-Signs: Remove 15 Ton v	veight limit	3	\$0
Safety-GR: Repair north guar	d rail	4.1	\$360
Replace:			
Road/Shld:			
Other: Clear vegetation		3	\$0
	MISC INFORMATION		
Inspected by: LJR	I	spection Date: 7/2/2007	7
Est Remain Life (yr): 50			
	5 Ton. OM3's in place.		
Hwy Note 1:			
Hwy NULE 1:			
Hwv Note 2:			



Looking West



Looking South



West Abutment

Looking North

	Small Bridge No: 865		
	IDENTIFICATION		
Road Name: Windsor H	Road	Township: PERRY	7
Location: BETWEE	N CR 400 E AND INLOW SPRINGS R	-	
Stream Name:	Y	ear of ADT: 0	
Road Classif:		Year Built: 0	
	STRUCTURE INFORMATION		
Waterway Open (sqft): 125	Drain Area (a	cres): 1455	
Structure Type: Timbe		t (ft): 15.6 / 8.0	
Skew (deg): 0	Approx Cove	r (ft): .2	
Culvert Length (ft): 27.0	Roadway Widtl	n (ft): 16.0	
No of Spans/Barrels: 1	Wearing Sur	face: Bituminous	
	CONDITION		
MATER	IAL <u>CONDITION</u>		
Deck: Timber	Good		
Superstructure: Timber	Good		
Substructure: Timber pil	es / planks Good, planks not de	eep enough	
Channel: Riprap	Some loss of riprap		
Headwall: Timber	Good		
Culvert: n.a.	n.a.		
Road: Bituminou	s Good		
Rail: Timber	Good		
Load Rating: 20 Ton			
	PROPOSED IMPROVEMENTS		
Description		Priority	<u>Cost</u>
Bank/Stream: Add gabion baske	ets, west abutment	3	\$2,300
Safety-Signs:			
Safety-GR:			
Replace:			
Road/Shld:			
Other: Clear vegetation		3	\$0
	MISC INFORMATION		
Inspected by: LJR		pection Date: 6/20/2	2007
Est Remain Life (yr): 35			2007
	7 flood caused loss of fill at west abutme	ent OM3's in place	
Kennarks, Spring 0	, more caused loss of fin at west abunit	inter officio s in place.	
II No.40.1.			
Hwy Note 1:			
Hwy Note 2:			



Looking West



Looking North

South Coping



Typical Beam



Typical Beam

	Small Bridge N	No: 947		
	IDENTII	FICATION		
Road Name: 500 South Location: 1000' WE Stream Name:		Ye	Township: SALEM ADT: ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE	INFORMATION		
Waterway Open (sqft): 54 Structure Type: Steel I Skew (deg): 0 Culvert Length (ft): 21.0 No of Spans/Barrels: 1	Beam, Encased	Drain Area (a Span / Heigh Approx Cove Roadway Widtl Wearing Su	t (ft): 13.5 / 4.0 r (ft): .7	
-	CON	DITION		
MATER		CONDITION	.	
Deck: Concrete Superstructure: Steel Beam Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Sea Rail: Steel Tube Load Rating: 00 Ton Description Bank/Stream: Safety-Signs: Safety-GR: Replace: Replace structure Road/Shld: Other:	n, Encased al	Fair, light spalling Critical, excessive of Fair, moderate spall Good Failed northeast n.a. Good Cracked posts	corrosion	<u>Cost</u> \$26,300
ouier.	MISC INF	ORMATION		
Inspected by: LJR Est Remain Life (yr): 0 Remarks: Should b Hwy Note 1:		Ins	spection Date: 6/26/20	007
Hwy Note 1:				





Looking North

Looking West

Looking East

	Small Bridge N	lo: 960			
	IDENTI	FICATION			
Road Name: 188 East Location: 400' NO Stream Name: Road Classif:		Y	Township: ADT: ear of ADT: Year Built:	0	3
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 80 Structure Type: Mult Skew (deg): 0 Culvert Length (ft): 60.0 No of Spans/Barrels: 1			nt (ft): 17.9 er (ft): 2.0		
	CON	DITION			
MATE	RIAL	CONDITION	I		
Deck: n.a. Superstructure: n.a. Substructure: n.a. Channel: Natural Headwall: None Culvert: Multi-Pla Road: Chip & S Rail: Steel M-s Load Rating: 20 Ton Description Bank/Stream: Safety-Signs: Safety-GR: Replace: Road/Shld: Other: Clear vegetation	eal haped PROPOSED IN	n.a. n.a. Good n.a. Good, slight sag in Good IPROVEMENTS		<u>Priority</u>	<u>Cost</u> \$0
	MISC INF	ORMATION			
Inspected by: LJR Est Remain Life (yr): 30 Remarks: OM2s i			spection Dat	e: 6/26/200)7
Hwv Note 1: Hwv Note 2:					







Looking North

Looking West

Looking East

	Small Bridge N	o: 978			
	IDENTIF	ICATION			
Road Name: 300 West			Township: S	ALEM/N	IONROE
Location: 2600' SOU	UTH OF CR 500 S		ADT:		
Stream Name:		Ye	ear of ADT: 0		
Road Classif:			Year Built: 0		
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 48		Drain Area (a	cres): 458		
Structure Type: Al Bo	x Culvert	Span / Heigh	t (ft): 11.7 /	4.6	
Skew (deg): 45		Approx Cove			
Culvert Length (ft): 40.0		Roadway Width			
No of Spans/Barrels: 1			rface: Bitumin	ous	
	CONI	DITION	J		
MATER	IAL	CONDITION			
Deck: n.a.		n.a.			
Superstructure: n.a.		n.a.			
Substructure: n.a.		n.a.			
Channel: Natural		Good			
Headwall: None	1 /	n.a.			
Culvert: Al Box Cu		Good			
Road: Bituminou		Good	la queta posta		
Rail: Steel M-sh Load Rating: 20 Ton	lapeu	Damaged NW, inad	lequale posis		
erre de	PROPOSED IM	PROVEMENTS			
Description			∎ <u>P</u> 1	riority	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Add OM3's				3.1	\$112
Safety-GR: Repair damaged r	ail			4.1	\$180
Replace:					
Road/Shld:					
Other:					
	MISC INFO	ORMATION			
Inspected by: LJR		Ins	pection Date:	6/20/200)7
Est Remain Life (yr): 50			pección Durer	0,20,200	
Remarks:					
Hwy Note 1:					
11WY INDIE 1:					
Hwv Note 2:					





Looking West

Looking North

Bottom of Deck

	Small Bridge No	o: 1026		
	IDENTIFI	CATION		
Road Name: 700 South	l		Township: MONROE	Ξ
Location: 1100' WE	ST OF SR 3		ADT:	
Stream Name:		Ye	ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE IN	NFORMATION		
Waterway Open (sqft): 35		Drain Area (a	- cres): 74	
Structure Type: Reinfo	orced Concrete Slab	Span / Heigh	t (ft): 10.0 / 3.5	
Skew (deg): 0		Approx Cove	r (ft): 1.0	
Culvert Length (ft): 27.0		Roadway Width	n (ft): 16.0	
No of Spans/Barrels: 1		Wearing Sur	face: Chip & Seal	
	COND	ITION		
MATER	IAL	CONDITION		
Deck: Concrete]	Fair, moderate to he	avy spalling	
Superstructure: Reinforced	l Concrete Slab	Fair, moderate to he	eavy spalling & rust.	
Substructure: Concrete]	Fair, moderate cracl	KS	
Channel: None	1	n.a.		
Headwall: Concrete		Good		
Culvert: n.a.	1	n.a.		
Road: Chip & Se	al	Fair, rough		
Rail: Concrete		Good		
Load Rating: 20 Ton				
	PROPOSED IM	PROVEMENTS		
Description			Priority	<u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace: Replace structure			3	\$27,500
Road/Shld:				
Other: Clear vegetation			3	\$0
	MISC INFO	RMATION		
				7
Inspected by: LJR		Ins	pection Date: 6/26/200)/
Est Remain Life (yr): 5	nalasa Derest 1 s	oto OM21		
Kemarks: OM3's in	n place. Brush obstru	CTS OM 5'S.		
Hwy Note 1:				







Looking West

> North End

> South End

	Small Bridge N	No: 1034	
	IDENTI	FICATION	
Road Name: 700 South	1		Township: MONROE
Location: 600' WES	5T OF CR 200 W		ADT:
Stream Name:		Ye	ear of ADT: 0
Road Classif:			Year Built: 0
	STRUCTURE	INFORMATION	
Waterway Open (sqft): 23		Drain Area (a	∎ cres): 374
Structure Type: Steel	Beam, Encased	Span / Heigh	
Skew (deg): 0	,	Approx Cove	
Culvert Length (ft): 24.0		Roadway Width	
No of Spans/Barrels: 1		•	face: Chip & Seal
	CON	DITION	
MATER	IAL	CONDITION	•
Deck: Concrete		Good	
Superstructure: Steel Bean	n, Encased	Good, light rust	
Substructure: Concrete		Good	
Channel: Grass		Good	
Headwall: Concrete		Good	
Culvert: n.a.		n.a.	
Road: Chip & Se	al	Good	
Rail: Concrete		Good	
Load Rating: 16 Ton			
	PROPOSED IN	MPROVEMENTS	
Description			<u>Priority</u> <u>Cost</u>
Bank/Stream:			
Safety-Signs:			
Safety-GR:			
Replace:			
Road/Shld:			
Other:			
	MISC INF	ORMATION	
Inspected by: LJR		Ins	pection Date: 6/20/2007
Est Remain Life (yr): 25			
Remarks: OM3's in	1 place.		
Hwy Note 1:			
Hwv Note 2:			



Looking North



Looking East



Looking West

NE Abutment

	Small Bridge No	o: 1113			
	IDENTIFI	CATION			
Road Name: 950 West			Township:	HARRISC	DN
Location: 1500' SOU	JTH OF CR 300 N		ADT:		
Stream Name:		Ye	ear of ADT:	0	
Road Classif:			Year Built:	0	
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 68		Drain Area (ao	cres): 491		
Structure Type: Reinfo	orced Concrete Slab	Span / Height	<i>.</i>	/ 5.5	
Skew (deg): 45		Approx Cover			
Culvert Length (ft): 30.0		Roadway Width	(ft): 13.0		
No of Spans/Barrels: 1		Wearing Sur	face: Bitum	inous	
	COND	ITION			
MATER	IAL	CONDITION	_		
Deck: Reinforced	l Concrete Slab	Good			
Superstructure: Reinforced	l Concrete Slab	Good			
Substructure: Concrete		Fair, cracked, minor	movement		
Channel: Natural		Good			
Headwall: Concrete		Moderate spalling			
Culvert: n.a.		n.a.			
Road: Bituminou	S	Good			
Rail: Concrete		Good			
Load Rating: 20 Ton					
	PROPOSED IM	PROVEMENTS			
Description				<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Add NW OM3				3.9	\$28
Safety-GR:					
Replace:					
Road/Shld:					
Other: Clear vegetation				3	\$0
	MISC INFO	RMATION			
Inspected by: LJR		Ins	pection Date	e: 6/26/200)7
Est Remain Life (yr): 20			F		
Remarks: SE OM3	in place.				
	I				
Hwy Note 1:]
Hwv Note 2:					



Looking North





Looking West

Looking East

	Small Bridge No	b: 1223		
	IDENTIFI	ICATION		
Road Name: 600 East Location: 850' SOU Stream Name: Road Classif:	TH OF CR 1300 N		Township: NILES ADT: ear of ADT: 0 Year Built: 0	
	STRUCTURE IN	NFORMATION		
Waterway Open (sqft): 20 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 25.0 No of Spans/Barrels: 1	orced Concrete Slab	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 8.2 / 2.5 r (ft): 0.5	
	COND	ITION		
MATER	IAL	CONDITION		
Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Concrete Load Rating: 20 Ton Description Bank/Stream: Safety-Signs: Safety-GR: Replace: Road/Shld: Other: Clear vegetation	l Concrete Slab al	Good Good, minor spallin Good, minor cracks Good Good n.a. Good PROVEMENTS		<u>Cost</u> \$0
	MISC INFO	RMATION		
Inspected by: LJR Est Remain Life (yr): 30 Remarks: OM2s in Hwy Note 1: Hwy Note 2:			pection Date: 6/19/20	07



Looking North





Looking East

Looking West

	Small Bridge	No: 1227			
	IDENTI	FICATION			
Road Name: Boundary	Road		Township:	NILES	
Location: 2700' NO		Ν	ADT:		
Stream Name:			ear of ADT:		
Road Classif:		-	Year Built:		
				-	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 30		Drain Area (a	cres): 295		
Structure Type: Steel	Beam, Encased	Span / Heigh	t (ft): 7.5	/ 4.0	
Skew (deg): 45		Approx Cove	r (ft): 0.2		
Culvert Length (ft): 24.0		Roadway Widtl	h (ft): 12.5		
No of Spans/Barrels: 1		Wearing Sur	rface: Chip	& Seal	
	CON	DITION			
MATER	IAL	CONDITION	[
Deck: Concrete		Good			
Superstructure: Steel Bear	n, Encased	Light rust			
Substructure: Concrete		Good			
Channel: Grass		Good			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Chip & Se	al	Fair			
Rail: Concrete		Good			
Load Rating: 20 Ton					
	PROPOSED I	MPROVEMENTS			
Description	•		4	<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs: Place OM2's				3.4	\$38
Safety-GR:				5.1	ψ50
Replace:					
Road/Shld:					
Other:					
	MISC INF	FORMATION			
Inspected by: LJR		Ins	- spection Dat	e: 6/18/200	07
Est Remain Life (yr): 30			· · · · · · · · · · · · · · · · · · ·		
Remarks:					
Г 					
Hwy Note 1:					
Hwv Note 2:					





Looking East

Looking North

Looking South

	Small Bridge No	: 1235		
	IDENTIFI	CATION		
Road Name: 1200 Nort	h		Township: NILES	
Location: EAST OF			ADT:	
Stream Name:		Ye	ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE IN	IFORMATION		
	STRUCTURE		> 212	
Waterway Open (sqft): 40		Drain Area (ac		
Structure Type: Reinfo	orced Concrete Stab	Span / Height		
Skew (deg): 0 Culvert Length (ft): 26.0		Approx Cover Roadway Width		
No of Spans/Barrels: 1		-	face: Chip & Seal	
No of Spans/Darreis. 1	CONDI	_		
MATER		<u>CONDITION</u>		
Deck: Concrete		Good	haarma at a daaa	
Superstructure: Reinforced Substructure: Concrete		Good, light spalling Good, minor cracks	, neavy at edges	
Channel: Grass		Good		
Headwall: Concrete		Fair, spalled & cracl	kad	
Culvert: n.a.		n.a.	kcu	
Road: Chip & Se		Good		
Road: Chip & Se Rail: None		n.a.		
Load Rating: 20 Ton		ii.u.		
	PROPOSED IMI	PROVEMENTS		
Description			Priority	Cost
Bank/Stream:			<u></u>	
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INFO	DMATION		
	IVIISC INFU.			_
Inspected by: LJR		Ins	pection Date: 6/19/200	7
Est Remain Life (yr): 20	1			
Remarks: OM2s in	place.			
Hwy Note 1:				
Hwv Note 2:				



Looking East





Looking North

Looking South

	Small Bridge No	b: 1239		
	IDENTIFI	CATION		
Road Name: 1200 Nort Location: 300' EAS Stream Name: Road Classif:		Ye	Township: NILES ADT: ear of ADT: 0 Year Built: 0	
	STRUCTURE IN	NFORMATION		
Waterway Open (sqft): 20		Drain Area (ao	L cres):	
Structure Type: Reinfo	orced Concrete Slab	Span / Heigh	t (ft): 8.1 / 2.5	
Skew (deg): 0		Approx Cover	r (ft): 0.5	
Culvert Length (ft): 27.0		Roadway Width	n (ft): 19.5	
No of Spans/Barrels: 1		Wearing Sur	face: Chip & Seal	
	COND	ITION		
MATER	IAL	CONDITION		
Deck: Concrete	(Good		
Superstructure: Reinforced	Concrete Slab	Good, minor spallin	ıg	
Substructure: Concrete		Good, minor cracks		
Channel: Natural		Good		
Headwall: Concrete		Good		
Culvert: n.a.	I	n.a.		
Road: Chip & Se	al	Good		
Rail: Concrete		Good		
Load Rating: 20 Ton				
	PROPOSED IMI	PROVEMENTS		
Description			Priority	<u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INFO	RMATION		
Inspected by: LJR		Ins	pection Date: 6/19/2	2007
Est Remain Life (yr): 20				
Remarks: OM3's in	n place.			
Hwy Note 1:				
Hwv Note 2:				



Looking North



Looking West

	Small Bridge N	No: 1240			
	IDENTI	FICATION			
Road Name: 600 East Location: 2000' SO Stream Name: Road Classif:	UTH OF CR 1300 N	Ye	Township: ADT: ear of ADT: Year Built:	0	
	STDUCTUDE	INFORMATION			
	SIKUCIUKE				
Waterway Open (sqft): 29 Structure Type: Steel	Beam, Encased	Drain Area (ac Span / Height	t (ft): 9.6	/ 3.0	
Skew (deg): 0		Approx Cover			
Culvert Length (ft): 24.0		Roadway Width			
No of Spans/Barrels: 1		Wearing Sur	face: Chip &	& Seal	
	CON	DITION			
MATER	IAL	CONDITION			
Deck: Concrete		Good			
Superstructure: Steel Beam	n, Encased	Good, light rust			
Substructure: Concrete		Good, minor cracks			
Channel: Natural		Good			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Chip & Se	al	Good			
Rail: Steel Tube		Good			
Load Rating: 20 Ton					
	PROPOSED IN	IPROVEMENTS			
Description				<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs:					
Safety-GR:					
Replace:					
Road/Shld:					
Other: Clear vegetation				3	\$0
	MISC INF	ORMATION			
				6/10/200	7
Inspected by: LJR		Ins	pection Date	e: 6/19/200)/
Est Remain Life (yr): 30	m 1000				
Remarks: OM2s in	i place.				
Hwy Note 1:					
Hwv Note 2:					







Looking West

Looking South

Looking North

	Small Bridge No	b: 1257	
	IDENTIFI	CATION	
Road Name: 1200 Nor Location: 1900' EAS Stream Name: Road Classif:			Township: UNION ADT: ear of ADT: 0 Year Built: 0
	STRUCTURE IN	NFORMATION	
Waterway Open (sqft): 29 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 24.0 No of Spans/Barrels: 1	orced Concrete Slab	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 8.3 / 3.5 c (ft): 0.4
	COND	ITION	
MATERDeck:ConcreteSuperstructure:ReinforcedSubstructure:ConcreteChannel:NaturalHeadwall:ConcreteCulvert:n.a.Road:Chip & SeRail:Steel TubeLoad Rating:20 TonDescriptionBank/Stream:Safety-Signs:Safety-GR:Replace:Road/Shld:Other:	l Concrete Slab al / Bituminous	CONDITION Good Good, light rust Fair, moderate crack Good Cracked & spalled n.a. Good Concrete posts cracl	
	MISC INFO	RMATION	
Inspected by: LJR Est Remain Life (yr): 30 Remarks: OM3's in	n place.	Ins	pection Date: 6/19/2007
Hwy Note 1: Hwy Note 2:			



Looking North





Looking East

Looking West

	Small Bridge I	No: 1273			
	IDENTI	FICATION			
Road Name: 350 Eas Location: 1300' S	outh of cr 1200	N	Township ADT		
Stream Name:		Y	ear of ADI	: 0	
Road Classif:			Year Buil	t: 0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 20		Drain Area (a			
Structure Type: Stee	el Beam, Encased	Span / Heigh	t (ft): 8.0	/ 2.5	
Skew (deg): 0		Approx Cove	r (ft): 0.3		
Culvert Length (ft): 24.0)	Roadway Widtl	h (ft): 13.0	1	
No of Spans/Barrels: 1		Wearing Sur	rface: Chip	o & Seal	
	CON	DITION			
MATE	RIAL	CONDITION	[
Deck: Concrete	2	Light spalling, efflu	oressence.		
Superstructure: Steel Be	am, Encased	Moderate corrosion		spots.	
Substructure: Concrete		Minor cracks	-	•	
Channel: Natural		Good			
Headwall: Concrete	e	Spalled			
Culvert: n.a.		n.a.			
Road: Chip &	Seal	Fair, rough			
Rail: Steel Tu	be	Good			
Load Rating: 20 Ton					
	PROPOSED I	MPROVEMENTS			
Descriptio	<u>n</u>		-	<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Place OM2's				3.8	\$38
Safety-GR:					
Replace:					
Road/Shld:					
Other:					
	MISC INF	ORMATION			
Inspected by: LJR		Ins	- spection Da	ate: 6/18/20	07
Est Remain Life (yr): 20			1		
Remarks:					
Hwy Note 1:					
11wy Inute 1:					
Hwv Note 2:					



Looking South



Bottom

Bottom



East Railing

	Small Bridge No	b: 1275			
	IDENTIFI	ICATION			
	t DUTH OF CR 1200 N		Township: N ADT:		
Stream Name:			ear of ADT: 0		
Road Classif:			Year Built: 0		
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 59		Drain Area (ad	cres): 240		
Structure Type: Rein	forced Concrete Slab	Span / Height	t (ft): 17.0 /	3.5	
Skew (deg): 50		Approx Cover	r (ft): 1.0		
Culvert Length (ft): 43.0		Roadway Width	n (ft): 15.0		
No of Spans/Barrels: 1		Wearing Sur	face: Chip &	Seal	
	COND	ITION			
MATE	RIAL	CONDITION			
Deck: Concrete		Critical - sagging			
Superstructure: Reinforce	ed Concrete Slab	Critical, near failure	•		
Substructure: Concrete		Poor, spalled south			
Channel: Natural		Good			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Chip & S	Seal	Fair			
Rail: Concrete		Failing			
Load Rating: 00 Ton		-			
	PROPOSED IM	PROVEMENTS			
Description	1		<u>Pr</u>	<u>riority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs:					
Safety-GR:					
Replace: Replace structur	e			1	\$32,900
Road/Shld:					
Other:					
	MISC INFO	RMATION			
Inspected by: LJR		Ins	pection Date:	6/18/20	07
Est Remain Life (yr): 0			peerion Duter	0, 10, 20	
• /	be closed immediately	v. 10' on west side i	s steel beam. ei	ncased ii	n
	ondition.		5 50001 0 0 0 mini, 0		-
					
Hwy Note 1:					
Hwv Note 2:					



Looking North



Looking Northwest

	Small Bridge No	: 1277			
	IDENTIFI	CATION			
Road Name: 800 East Location: 2800' SOU Stream Name: Road Classif:	UTH OF CR 1200 N		Township ADT ear of ADT Year Buil	Г: Г: О	
	STRUCTURE IN	FORMATION			
Waterway Open (sqft): 52 Structure Type: Reinfo Skew (deg): 60 Culvert Length (ft): 44.0 No of Spans/Barrels: 1		Drain Area (ad Span / Heigh Approx Cover Roadway Width Wearing Sur	t (ft): 17.5 r (ft): 0.9 n (ft): 15.0)	
	CONDI	TION	J		
MATER Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: Grass Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Concrete Load Rating: 20 Ton Description Bank/Stream:	I Concrete Slab F F C C al F	CONDITION Fair, moderate spall Fair, moderate spall Fair, light spalling s Good Cracked & separate A.a. Fair, rough Good PROVEMENTS	ing ing, expose southwest	ed steel <u>Priority</u>	Cost
Safety-Signs: Reset SE OM3. Safety-GR: Replace:				3.8	\$28
Road/Shld: Other: Clear vegetation				3	\$0
Inspected by: LJR Est Remain Life (yr): 15 Remarks:	MISC INFO		pection Da	ate: 7/2/200'	7
Hwv Note 1: Hwv Note 2:					



Looking North





Looking East

Looking West

	Small Bridge N	lo: 1308		
	IDENTI	FICATION		
Road Name: 350 East			Township: NILES	
Location: 2700' NO	RTH OF EATON-A	ALBANY PIKE	ADT:	
Stream Name:			ear of ADT: 0	
Road Classif:			Year Built: 0	
	STDUCTUDE			
	SIRUCIURE	INFORMATION	1	
Waterway Open (sqft): 30		Drain Area (ac	·	
Structure Type: Steel	Beam, Encased	- 0	t (ft): 10.0 / 3.0	
Skew (deg): 50		Approx Cover		
Culvert Length (ft): 37.0		Roadway Width		
No of Spans/Barrels: 1		_	face: Chip & Seal	
	CON	DITION		
MATER	IAL	CONDITION		
Deck: Concrete		Good		
Superstructure: Steel Bean	n, Encased	Fair, light rust		
Substructure: Concrete		Minor cracks		
Channel: Natural		Good		
Headwall: Concrete		Spalled & failed		
Culvert: n.a.		n.a.		
Road: Chip & Se	al	Rough		
Rail: Concrete		Failed & leaning eas	st	
Load Rating: 20 Ton				
	PROPOSED IN	IPROVEMENTS		
Description			Priority	<u>v Cost</u>
Bank/Stream:				
Safety-Signs: Replace northbou	nd OM2.		3.8	\$19
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INF	ORMATION		
				0007
Inspected by: LJR		Ins	pection Date: 6/18/	2007
Est Remain Life (yr): 20				
Remarks: One OM	2 in place.			
Hwy Note 1:				
Hwv Note 2:				





Looking East

Looking South

Looking South

	Small Bridge N	No: 1313			
	IDENTI	FICATION			
Road Name: 1000 Nor	th		Township:	NILES	
Location: 850' EAS			ADT:		
Stream Name:		Ye	ar of ADT:	0	
Road Classif:			Year Built:	0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 38		Drain Area (ac	eres): 402		
Structure Type: Steel	Beam, Encased	Span / Height	t (ft): 9.5	/ 4.0	
Skew (deg): 0		Approx Cover	(ft): .5		
Culvert Length (ft): 24.0		Roadway Width	(ft): 16.0		
No of Spans/Barrels: 1		Wearing Sur	face: Chip &	& Seal	
	CON	DITION			
MATER	IAL	CONDITION	-		
Deck: Reinforce	d Concrete	Good			
Superstructure: Steel Bear	n, Encased	Light rust			
Substructure: Concrete		Good			
Channel: Concrete	Liner	Good			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Chip & Se	al	Good			
Rail: Steel Tube		Concrete posts crack	ked		
Load Rating: 20 Ton		*			
	PROPOSED IN	MPROVEMENTS			
Description				<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs: Place OM3's: SE	NENW			3.4	\$84
Safety-GR:	2, INL, IN W			5.4	φ 0 4
Replace:					
Road/Shld:					
Other:					
ouer.					
	MISC INF	ORMATION			
Inspected by: LJR		Ins	pection Date	e: 6/18/200	07
Est Remain Life (yr): 25			_		
Remarks:					
Hwy Note 1:					
Hwv Note 2:					



Looking East





Looking North

Looking South

	Small Bridge No: 1317	
	IDENTIFICATION	
Road Name: 1000 Nort	h	Township: NILES
Location: 650' EAST	F OF CR 800 EAST	ADT:
Stream Name:	Y	ear of ADT: 0
Road Classif:		Year Built: 0
	STRUCTURE INFORMATION	
Waterway Open (sqft): 18	Drain Area (a	⊿ cres): 308
Structure Type: Stone		
Skew (deg): 0	Approx Cove	
Culvert Length (ft): 27.0	Roadway Widtl	
No of Spans/Barrels: 1	-	rface: Bituminous
	CONDITION	
MATERI	AL <u>CONDITION</u>	[
Deck: n.a.	n.a.	
Superstructure: Stone Arch	Good	
Substructure: Unknown	Unknown	
Channel: None	n.a.	
Headwall: None	n.a.	
Culvert: n.a.	n.a.	
Road: Bituminous		
Rail: Steel Tube	Good	
Load Rating: 20 Ton		
	PROPOSED IMPROVEMENTS	
Description		<u>Priority</u> <u>Cost</u>
Bank/Stream:		
Safety-Signs: Place SW OM3		3.7 \$28
Safety-GR:		
Replace:		
Road/Shld:		
Other:		
l	MISC INFORMATION	
Inspected by: LJR	Ins	spection Date: 6/18/2007
Est Remain Life (yr): 30		
Remarks: Stone arc	h widened with concrete box.	
Hwy Note 1:		
Hwv Note 2:		



Looking North





Looking West

Looking East

	Small Bridge	No: 1326			
	IDENT	IFICATION			
Road Name: 450 East			- Township	: NILES	
Location: 2100' NO	RTH OF EATON	-ALBANY PIKE	ADT		
Stream Name:			ear of ADT	: 0	
Road Classif:			Year Built	: 0	
	STRUCTURE	E INFORMATION			
	SIRUCIUR				
Waterway Open (sqft): 28		Drain Area (a			
Structure Type: Steel	Beam, Encased	Span / Heigh		/ 3.5	
Skew (deg): 0		Approx Cove			
Culvert Length (ft): 24.0		Roadway Widt		0 0 1	
No of Spans/Barrels: 1		Wearing Su	rface: Chip	& Seal	
	CON	NDITION	J		
MATER	IAL	CONDITION	<u>I</u>		
Deck: Concrete		Good			
Superstructure: Steel Bear	n, Encased	Good, moderate rus	st in spots		
Substructure: Concrete		Good, moderate cra	icks		
Channel: Concrete I	Liner	Good			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Chip & Se	al	Good			
Rail: Steel Tube	e	Good			
Load Rating: 20 Ton					
	PROPOSED I	MPROVEMENTS			
Description			-	<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs: Place OM2's				3.5	\$38
Safety-GR:					
Replace:					
Road/Shld:					
Other:					
	MISC IN	FORMATION	J		
Inspected by: LJR		Ins	spection Da	te: 6/18/20	07
Est Remain Life (yr): 25					
Remarks:					
Hwy Note 1:]
HWY NOLE 1:					
Hwv Note 2:					



Looking East





Looking North

East Abutment -

North Half Settled, South Half Undermined.

	Small Bridge No	b: 1340		
	IDENTIF	ICATION		
Road Name: 400 Sou Location: 400' EA Stream Name: Road Classif:		Ye	Township: PERRY ADT: ear of ADT: 0 Year Built: 0	
	STRUCTURE I	NFORMATION		
Waterway Open (sqft): 90 Structure Type: Reir Skew (deg): 0 Culvert Length (ft): 22.0 No of Spans/Barrels: 1		Approx Cove Roadway Widtl Wearing Su	t (ft): 18.1 / 5.0 r (ft): 1.0	
	COND	ITION		
MATE Deck: Concrete Superstructure: Reinforc Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & S Rail: Concrete Load Rating: 20 Ton Description Bank/Stream: Underpin both a Safety-Signs: Safety-GR: Replace:	ed Concrete Slab Seal PROPOSED IM	CONDITION Good Good, tilting at east Poor, settled 4" NE Good Cracked & separate n.a. Good Good PROVEMENTS	end , undermined SE	<u>Cost</u> \$5,400
Road/Shld:				
Other:				
	MISC INFO	RMATION		
		Ins	Spection Date: 6/20/20 oth half is undermined.)07
Hwy Note 1:				
Hwv Note 2:				



Looking South





Looking East

Looking West

	Small Bridge N	lo: 1404	
	IDENTI	FICATION	
Road Name: 461 East			Township: PERRY
Location: 250' SOU	TH OF CR 550 S		ADT:
Stream Name:		Y	ear of ADT: 0
Road Classif:			Year Built: 0
	STRUCTURE	INFORMATION	
Waterway Open (sqft): 98		Drain Area (a	⊥ cres): 344
Structure Type: Al Bo	x Culvert		t (ft): 16.5 / 6.6
Skew (deg): 0		Approx Cove	
Culvert Length (ft): 40.0		Roadway Widtl	
No of Spans/Barrels: 1		•	face: Bituminous
1	CON	DITION	
MATER	IAL	CONDITION	4 [
Deck: n.a.		n.a.	
Superstructure: n.a.		n.a.	
Substructure: n.a.		n.a.	
Channel: Natural		Meandering, overg	rown
Headwall: None		n.a.	
Culvert: Al Box Cu	ılvert	Good	
Road: Bituminou	IS	Good	
Rail: Steel M-sl	naped	Good, inadequate p	ost spacing
Load Rating: 20 Ton			
	PROPOSED IN	IPROVEMENTS	
Description			<u>Priority</u> <u>Cost</u>
Bank/Stream:			
Safety-Signs:			
Safety-GR:			
Replace:			
Road/Shld:			
Other:			
	MISC INF	ORMATION	
Inspected by: LJR		Ins	spection Date: 6/20/2007
Est Remain Life (yr): 50			
Remarks: OM2s in	place.		
W W i d			
Hwy Note 1:			
Hwv Note 2:			



Looking East



Looking South

West Abutment



Northeast Abutment

South End

	Small Bridge	No: 1413			
	IDENTI	FICATION			
Road Name: 600 South Location: 200' WES Stream Name: Road Classif:		Ye	Township AD7 ear of AD7 Year Buil	Г: 0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 49 Structure Type: Steel Skew (deg): 0 Culvert Length (ft): 23.0 No of Spans/Barrels: 1		Drain Area (a Span / Heigh Approx Cove Roadway Widtl Wearing Su	t (ft): 7.0 r (ft): .5 h (ft): 15.0	/ 7.0)	
	CON	DITION			
MATER	IAL	CONDITION	[
Deck: Concrete Superstructure: Steel Bear Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: None Load Rating: 20 Ton <u>Description</u> Bank/Stream: Underpin abutme Safety-Signs: Add OM2's Safety-GR: Replace: Road/Shld:	al PROPOSED II	Fair, moderate spall Fair, light to moder Critical, heavy scou Poor, upstream fenc Poor, spalled n.a. Fair, rough n.a.	ate rust Ir & spall	ow <u>Priority</u> 2 3.5	<u>Cost</u> \$10,019 \$38
Other:					
	MISC INF	FORMATION			_
Inspected by: LJR Est Remain Life (yr): 2 Remarks: Hwy Note 1:		Ins	spection D	ate: 7/3/200	07
Hwv Note 2:					



Looking East



Looking North



Typical Beam

Looking South

	Small Bridge N	lo: 1434			
	IDENTI	FICATION			
Road Name: 650 South			Township	: PERRY	
Location: 1400' WE	EST OF CR 461 E		ADT	:	
Stream Name:		Ye	ear of ADT	: 0	
Road Classif:			Year Built	: 0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 95		Drain Area (ad	eres): 612		
Structure Type: Steel I	Beam, Encased	Span / Height	t (ft): 14.7	/ 6.5	
Skew (deg): 10		Approx Cover	r (ft): 2.0		
Culvert Length (ft): 24.0		Roadway Width	h (ft): 17.0		
No of Spans/Barrels: 1		Wearing Sur	face: Bitur	ninous	
	CON	DITION			
MATER	[AL	CONDITION	-		
Deck: Concrete		Moderate to heavy s	spalling		
Superstructure: Steel Beam	n, Encased	Poor, heavy to mode	erate corrro	sion, some	holes
Substructure: Concrete		Good			
Channel: Natural		Overgrown, straight	t		
Headwall: Concrete		Cracked & leaning			
Culvert: n.a.		n.a.			
Road: Bituminou	S	Good			
Rail: Steel M-sh	aped	Good			
Load Rating: 11 Ton	•				
	PROPOSED IN	IPROVEMENTS			
Description				<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs: Post "11 Ton Wei	ght Limit". Place C	M3, NE.		1	\$88
Safety-GR:					
Replace: Replace structure				2	\$59,300
Road/Shld:					
Other:					
		ODMATION			
	MISC INFO	ORMATION			
Inspected by: LJR		Ins	pection Da	te: 6/20/20	007
Est Remain Life (yr): 3					
Remarks: Recomm	end 12 month reins	pection.			
Hwy Note 1:					
Hwv Note 2:					



Looking South





Looking East

Looking West

	Small Bridge No	o: 1479			
	IDENTIF	ICATION			
Road Name: 400 East			Township:	PERRY	
Location: 850' SO			ADT		
Stream Name:		Ye	ar of ADT:		
Road Classif:			Year Built:		
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 48		Drain Area (ac	eres): 154		
Structure Type: Rein	forced Concrete Slab	Span / Height	t (ft): 16.0	/ 3.0	
Skew (deg): 0		Approx Cover	(ft): 1.0		
Culvert Length (ft): 24.0		Roadway Width			
No of Spans/Barrels: 1		Wearing Sur	face: Chip	& Seal	
	COND	ITION			
MATE	RIAL	CONDITION	-		
Deck: Concrete		Good			
Superstructure: Reinforce	ed Concrete Slab	Good, light spalling	& rust		
Substructure: Concrete		Good			
Channel: Natural		Good			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Chip & S	eal	Rough			
Rail: Concrete		Good			
Load Rating: 20 Ton					
	PROPOSED IM	PROVEMENTS			
Description	<u></u>			<u>Priority</u>	Cost
Bank/Stream:					
Safety-Signs: Place OM2's				3.4	\$38
Safety-GR:					
Replace:					
Road/Shld:					
Other:					
	MISC INFO	RMATION			
Inspected by: LJR		Ins	pection Dat	te: 6/20/200)7
Est Remain Life (yr): 30					
Remarks:					
Hwy Note 1:					
Hwy Note 2:					







Looking North

Looking East

Looking West

	Small Bridge N	lo: 1555		
	IDENTIF	FICATION		
Road Name: Honeycre	ek Road		Township: SALEM	
Location: 500' NOF			ADT:	
Stream Name:		Ye	ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE	INFORMATION		
Waterway Open (sqft): 87		Drain Area (ao	∠ cres): 1577	
Structure Type: Multi	-Plate Box Culvert		t (ft): 18.0 / 6.0	
Skew (deg): 0		Approx Cover		
Culvert Length (ft): 75.0		Roadway Width	n (ft): 17.0	
No of Spans/Barrels: 1		Wearing Sur	face: Chip & Seal	
	CONI	DITION		
MATER	IAL	CONDITION	-	
Deck: n.a.		n.a.		
Superstructure: n.a.		n.a.		
Substructure: n.a.		n.a.		
Channel: Natural		Good		
Headwall: None		n.a.		
Culvert: Multi-Plat		Good, light rust at f	lowline	
Road: Chip & Se	al	Rough		
Rail: Steel M-sl	naped	Good		
Load Rating: 20 Ton				
	PROPOSED IM	IPROVEMENTS		
Description			<u>Priority</u>	<u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INFO	ORMATION		
Inspected by: LJR		Inc	pection Date: 6/20/2007	,
Est Remain Life (yr): 40		1115	pection Date. 0/20/2007	
Remarks: OM3's in	n nlace			
Kellarks. Olvis s i	i place.			
				1
Hwv Note 1:				
Hwv Note 2:				



Looking East



Looking North



Bottom of Deck

West Abutment

	Small Bridge I	No: 1559		
	IDENTI	FICATION		
Road Name: 700 South Location: 1000' EAS Stream Name: Road Classif:	T OF HONEYCR	Ye	Township: SALEM ADT: ear of ADT: 0 Year Built: 0	
	STDUCTUDE	INFORMATION		
Waterway Open (sqft): 116 Structure Type: Steel g Skew (deg): 0 Culvert Length (ft): 25.0		Drain Area (ac Span / Heigh Approx Cover Roadway Width	t (ft): 14.5 / 8.0 r (ft): 0.4 n (ft): 15.0	
No of Spans/Barrels: 1	CON	Wearing Sur	face: Chip & Seal	
L			J	
MATERL Deck: Concrete Superstructure: Steel girder Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Sea Rail: Steel M-sha Load Rating: 20 Ton Description Bank/Stream: Underpin abutmen Safety-Signs: Safety-GR: Replace:	- unknown ll aped PROPOSED I	CONDITION Good Good, light rust Poor, heavy scour & Good n.a. Fair Good, non-standard	ż spalling	<u>Cost</u> \$5,400
Road/Shld: Other: Clear vegetation			3	\$0
	MISC INF	ORMATION		
Inspected by: LJR Est Remain Life (yr): 2 Remarks: Not able t Hwy Note 1:	o verify size or ty	Ins	pection Date: 6/20/2 OM3's in place.	007
Hwy Note 2:				



Looking North





Looking West

Looking East

	Small Bridge No	: 1560			
	IDENTIFI	CATION			
Road Name: 400 West Location: 1250' NC Stream Name: Road Classif:	DRTH OF CR 1270 N	Ye	Township: ADT: ear of ADT: Year Built:	0	3TON
	STRUCTURE IN	FORMATION			
Waterway Open (sqft): 16 Structure Type: Reinf Skew (deg): 0 Culvert Length (ft): 20.0 No of Spans/Barrels: 1		Drain Area (ad Span / Heigh Approx Cover Roadway Width Wearing Sur	t (ft): 8.0 r (ft): 1.0 n (ft): 14.0	/ 2.0 z Seal	
	CONDI	TION			
MATER Deck: Concrete Superstructure: Reinforce Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & So Rail: Steel M-si Load Rating: 20 Ton Description Bank/Stream: Safety-Signs:	d Concrete Slab ((((() () () () () () () ()	CONDITION Good Good Good Good n.a. Poor, rough Inadequate posts PROVEMENTS	[<u>Priority</u>	Cost
Safety-Signs: Safety-GR: Replace east raili Replace: Road/Shld: Other:	ng			4.5	\$270
	MISC INFO	RMATION			
Inspected by: LJR Est Remain Life (yr): 30 Remarks: OM3's i Hwy Note 1:			pection Date	: 6/27/200	7
Hwv Note 2:					



Looking South





Looking West

Looking East

	Small Bridge No	o: 1614		
	IDENTIF	ICATION		
Road Name: 100 W	est		Township: UNIO	N
Location: 1600' S	SOUTH OF CR 1200 N		ADT:	
Stream Name:		Ye	ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE I	NFORMATION		
Waterway Open (sqft): 42		Drain Area (ad	eres): 145	
	inforced Concrete Slab	Span / Height	t (ft): 14.0 / 3.0	
Skew (deg): 45		Approx Cover	r (ft): 0.9	
Culvert Length (ft): 30.	0	Roadway Width	(ft): 16.0	
No of Spans/Barrels: 1		Wearing Sur	face: Chip & Seal	
	COND	ITION		
MATI	ERIAL	CONDITION	-	
Deck: Concret	te	Fair, moderate efflu	oressence	
Superstructure: Reinfor	ced Concrete Slab	Fair, moderate cracl	ks, heavy spalling at	edges
Substructure: Concret	te	Fair, cracked, begin	ning to undermine	-
Channel: Natural		Poor, scour at both	ends of bridge	
Headwall: Concret	te	Spalled & cracked	-	
Culvert: n.a.		n.a.		
Road: Chip &	Seal	Good		
Rail: Concret	te	Good		
Load Rating: 20 Ton				
	PROPOSED IM	PROVEMENTS		
Descriptio	<u>)n</u>		Priorit	<u>v Cost</u>
Bank/Stream:				
Safety-Signs: Place OM2's			3.4	\$38
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INFO	RMATION		
				12007
Inspected by: LJR		Ins	pection Date: 6/19	/2007
Est Remain Life (yr): 10				
Remarks: Bridg	e is probably undersized	d.		
]
Hwy Note 1:				
Hwv Note 2:				







Looking East

Looking North

> North End

	Small Bridge No: 1641		
	IDENTIFICATION		
Road Name: Eaton-W	/heeling Pike	Township: UNION	
	ST OF WALNUT ST	ADT:	
Stream Name:		ear of ADT: 0	
Road Classif:	_	Year Built: 0	
	STRUCTURE INFORMATION	1	
Waterway Open (sqft): 15	Drain Area (a	· · · · · · · · · · · · · · · · · · ·	
Structure Type: Cond	- 0		
Skew (deg): 0	Approx Cove		
Culvert Length (ft): 30.0	_		
No of Spans/Barrels: 1	_	rface: Bituminous	
	CONDITION		
MATE	RIAL <u>CONDITION</u>	Ī	
Deck: n.a.	n.a.		
Superstructure: n.a.	n.a.		
Substructure: n.a.	n.a.		
Channel: Natural	Overgrown		
Headwall: Concrete	Spalled		
Culvert: Concrete	Arch Fair, moderate spal	ling	
Road: Bitumino	ous Good		
Rail: None	n.a.		
Load Rating: 20 Ton			
	PROPOSED IMPROVEMENTS		
Description	 <u>1</u>	<u>Priority</u>	<u>Cost</u>
Bank/Stream:			
Safety-Signs: Replace SE OM	3	3.5	\$28
Safety-GR:			
Replace:			
Road/Shld:			
Other:			
	MISC INFORMATION		
Inspected by: LJR	Ins	spection Date: 6/19/2	007
Est Remain Life (yr): 20			
Remarks: Arch ha	as been widened with concrete box.		
II No.4- 1-			
Hwv Note 1:			
Hwv Note 2:			



Looking West



Looking North

	Small Bridge N	lo: 1668		
	IDENTI	FICATION		
Road Name: 1000 Nor	th		Township: UNION	
Location: 2100' WE			ADT:	
Stream Name:		Ye	ear of ADT: 0	
Road Classif:			Year Built: 0	
	STRUCTURE	INFORMATION		
Waterway Open (sqft): 56		Drain Area (a	cres): 72	
Structure Type: Al Bo	ox Culvert	Span / Heigh	t (ft): 14.0 / 4.1	
Skew (deg): 0		Approx Cove	r (ft): 1.5	
Culvert Length (ft): 40.0		Roadway Width	n (ft): 17.0	
No of Spans/Barrels: 1		Wearing Sur	face: Chip & Seal	
	CONI	DITION		
MATER	IAL	CONDITION	-	
Deck: n.a.		n.a.		
Superstructure: n.a.		n.a.		
Substructure: n.a.		n.a.		
Channel: Natural		Overgrown		
Headwall: None		n.a.		
Culvert: Al Box Cu	ılvert	Good, minor roof sa	ng	
Road: Chip & Se	al	Good		
Rail: None		n.a.		
Load Rating: 20 Ton				
	PROPOSED IN	IPROVEMENTS		
Description			<u>Priority</u>	<u>Cost</u>
Bank/Stream:				
Safety-Signs:				
Safety-GR:				
Replace:				
Road/Shld:				
Other:				
	MISC INF	ORMATION		
Inspected by: LJR		Ins	pection Date: 6/19/200	07
Est Remain Life (yr): 40			-	
Remarks: OM3's in	n place.			
	-			
]
Hwy Note 1:				
Hwv Note 2:				



Looking West



Looking South

	Small Bridge N	lo: 1671		
	IDENTIF	FICATION		
Road Name: 1000 Nor Location: 1600' WE Stream Name: Road Classif:		Ye	Township: UNION ADT: ear of ADT: 0 Year Built: 0	
	STRUCTURE	INFORMATION		
Waterway Open (sqft): 52 Structure Type: Al Bo Skew (deg): 0 Culvert Length (ft): 40.0 No of Spans/Barrels: 1	ox Culvert	Approx Cover Roadway Width	t (ft): 14.5 / 4.1 r (ft): 1.5	
	CONI	DITION		
MATER		CONDITION	J	
Deck: n.a.	IAL	n.a.		
Superstructure: n.a.		n.a.		
Substructure: n.a.		n.a.		
Channel: Natural		Good		
Headwall: None		n.a.		
Culvert: Al Box Cu	ılvert	Good, minor distort	ion	
Road: Cold Mix		Good		
Rail: None		n.a.		
Load Rating: 20 Ton				
	PROPOSED IM	IPROVEMENTS		
Description			Priority	Cost
Bank/Stream: Safety-Signs: Place OM3 for ea Safety-GR: Replace: Road/Shld: Other:	ast bound		3.9	\$28
	MISC INFO	ORMATION		
Inspected by: LJR Est Remain Life (yr): 40 Remarks: West bo	und OM3 in place.	Ins	pection Date: 6/19/200	07
Hwy Note 1:				
Hwv Note 2:				





Looking North

Looking West





East Abutment

	Small Bridge No): 1694	
	IDENTIFI	CATION	
Road Name: 1200 Nort Location: 500' EAST Stream Name: Road Classif:		Ye	Township: WASHINGTON ADT: ear of ADT: 0 Year Built: 0
	STRUCTURE IN	NFORMATION	
Waterway Open (sqft): 67 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 21.0 No of Spans/Barrels: 1	orced Concrete Slab	Approx Cover Roadway Width	t (ft): 11.2 / 6.0 r (ft): 1.0
	COND	ITION	
MATERI Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: Grass Headwall: Concrete Culvert: n.a. Road: Chip & Sea Rail: None Load Rating: 20 Ton Description Description Bank/Stream: Add guard rail Replace: Road/Shld: Other: Other:	l Concrete Slab al	CONDITION Good, light spalling Good, light spalling Poor, heavily spalle Good Poor, cracked & sep n.a. Fair, rough n.a. PROVEMENTS	d
	MISC INFO	RMATION	
Inspected by: LJR Est Remain Life (yr): 10 Remarks: Hwy Note 1: Hwy Note 2:			pection Date: 6/27/2007



Looking West





Looking North

Looking South

	Small Bridge No): 1723			
	IDENTIFI	CATION			
Road Name: 1100 Nort	h		Township:	WASHING	GTON
Location: 1800' WE	ST OF CR 850 W		ADT:		
Stream Name:		Ye	ar of ADT:	0	
Road Classif:			Year Built:	0	
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 8		Drain Area (ac	res): 57		
Structure Type: Reinfo	orced Concrete Slab	Span / Height		/ 1.0	
Skew (deg): 0		Approx Cover		-	
Culvert Length (ft): 20.0		Roadway Width			
No of Spans/Barrels: 1		Wearing Sur		l	
	COND	ITION			
MATER	IAL	CONDITION			
Deck: Concrete		Good			
Superstructure: Reinforced		Good, minor spallin	g		
Substructure: Concrete		Good	0		
Channel: None		n.a.			
Headwall: Concrete		Good			
Culvert: n.a.		n.a.			
Road: Gravel		Poor			
Rail: None		n.a.			
Load Rating: 20 Ton					
	PROPOSED IM	PROVEMENTS			
Description				<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs:					
Safety-GR:					
Replace:					
Road/Shld:					
Other:					
	MISC INFO	RMATION			
Inspected by: LJR		Ins	pection Date	e: 6/27/200)7
Est Remain Life (yr): 30					
Remarks: Located	at end of dead end ro	ad.			
Hwy Note 1:					
IIWY INDIE I;					
II No.40 A.					
Hwv Note 2:					



Looking West



Looking West

Looking North



Beam # 3 from North

Beam # 4 from North

	Small Bridge	e No: 1740			
	IDENT	TIFICATION			
Road Name: Gregory Location: WEST O Stream Name: Road Classif:		Y	Township ADT ear of ADT Year Built	: : 0	
	STRUCTUR	E INFORMATION			
Waterway Open (sqft): 65 Structure Type: Steel Skew (deg): 0 Culvert Length (ft): 27.3 No of Spans/Barrels: 1		Drain Area (a Span / Heigh Approx Cove Roadway Widtl Wearing Sur	t (ft): 11.8 r (ft): .3 h (ft): 15.0		
	CO	NDITION			
MATEF Deck: Reinforce Superstructure: Steel Bea Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & S Rail: Concrete Load Rating: 12 Ton Description Bank/Stream: Safety-Signs: Post "12 Ton We Safety-GR: Replace: Replace structure Road/Shld: Other:	d Concrete m, Encased eal PROPOSED eight Limit"	CONDITION Good, light spalling Poor, heavy rust Fair, light cracks Good n.a. Rough Good IMPROVEMENTS	-	Priority 1 2	<u>Cost</u> \$60 \$32,900
	MISC IN	FORMATION	1		
Inspected by: LJR Est Remain Life (yr): 8 Remarks: 3 beams Hwv Note 1:			pection Da		007
Hwv Note 2:					



Looking West





Looking South

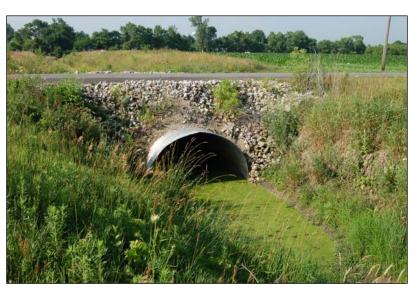
Looking North

Page 115 of 170

	Small Bridge I	No: 1741			
	IDENTI	FICATION			
Road Name: Gregory Location: 800' WE Stream Name: Road Classif:		Ye	Township: ADT: ear of ADT: Year Built:	0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 65 Structure Type: Steel Skew (deg): 0 Culvert Length (ft): 27.0 No of Spans/Barrels: 1	Beam, Encased	Drain Area (ac Span / Heigh Approx Cover Roadway Width Wearing Sur	t (ft): 10.1 r (ft): 0.3 n (ft): 14.5	/ 6.5 & Seal	
	CON	DITION			
MATER	RIAL	CONDITION	4		
Deck: Reinforce Superstructure: Steel Beau Substructure: Reinforce Channel: Poured Co Headwall: Concrete Culvert: n.a. Road: Chip & So Rail: Concrete Load Rating: 20 Ton <u>Description</u>	d Concrete m, Encased d Concrete oncrete Bottom eal	Sound, light spallin, Moderate rust, some Moderate cracking Good, fence blocks Heavy spalling nort n.a. Rough Good	g on top. e flaking flow	<u>Priority</u>	<u>Cost</u>
Bank/Stream: Safety-Signs: Place OM3 north	nwest			3.8	\$28
Safety-GR: Replace: Road/Shld: Other:					
	MISC INF	ORMATION			
Inspected by: LJR Est Remain Life (yr): 15 Remarks: Hwy Note 1:		Ins	pection Dat	e: 6/18/200)7
Hwv Note 2:					



Looking West





Looking South

Looking North

	Small Bridge No: 2				
	IDENTIFICA	ATION			
Road Name: 900 North Location: 500' WES		X 7	Township: ADT:		GTON
Stream Name: Road Classif:			ear of ADT: Year Built:		
Koau Classii.			Tear Duilt.	0	
	STRUCTURE INF	ORMATION	J		
Waterway Open (sqft): 53		Drain Area (ao	cres): 291		
Structure Type: Corru	gated Metal Pipe Arch	Span / Height		/ 6.2	
Skew (deg): 0		Approx Cover			
Culvert Length (ft): 45.0		Roadway Width			
No of Spans/Barrels: 1		Wearing Sur	face: Bitum	inous	
	CONDITI	ION			
MATER	IAL	CONDITION			
Deck: n.a.	n.a				
Superstructure: n.a.	n.a				
Substructure: n.a.	n.a				
Channel: Grass	Go				
Headwall: None	n.a				
Culvert: Corrugated	-				
Road: Bituminou Rail: None					
Load Rating: 20 Ton	n.a				
	PROPOSED IMPR	OVEMENTS			
Description				Priority	Cost
Bank/Stream:					
Safety-Signs: Add OM2's				3.5	\$38
Safety-GR:				5.5	φ50
Replace:					
Road/Shld:					
Other:					
	MISC INFORM	ΙΑΤΙΟΝ			
	MISC INFORM				
Inspected by: LJR Est Remain Life (yr): 50 Remarks:		Ins	pection Date	e: 6/27/200	07
Hwv Note 1:					
Hwv Note 2:					



Looking North





Looking West

Looking East

	Small Bridge	No: 1836			
	IDENTI	FICATION			
Road Name: Walnut S Location: 1300' NO Stream Name: Road Classif:			Township: ADT: ear of ADT: Year Built:	0	ON
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 132 Structure Type: Mult Skew (deg): 0 Culvert Length (ft): 48.0 No of Spans/Barrels: 1	i-Plate Pipe Arch	Drain Area (a Span / Heigh Approx Cove Roadway Widtl Wearing Su	t (ft): 16.5 r (ft): 0.7 h (ft): 21.0		
	CON	DITION			
MATER	RIAL	CONDITION	[
Deck: n.a. Superstructure: n.a. Substructure: n.a. Channel: Natural Headwall: None Culvert: Multi-Pla Road: Bitumino Rail: Steel M-s Load Rating: 15 Ton Description Bank/Stream: Safety-Signs: Post "15 Ton We Safety-GR: Replace: Road/Shld: Other: Post 15 Ton or in	us haped PROPOSED I eight Limit". Add C		flowline.	Priority 1	<u>Cost</u> \$98 \$12,900
	MISC INI	FORMATION			
Inspected by: LJR Est Remain Life (yr): 50 Remarks: Hwv Note 1: Hwv Note 2:		Ins	pection Dat	te: 6/27/20	007



Looking North



West End



Outside Beam

Interior Beam

	Small Bridge N	No: 1872		
	IDENTI	FICATION		
Road Name: 950 West Location: NORTH Stream Name: Road Classif:			Township: SALEM ADT: car of ADT: 0 Year Built: 0	
	STRUCTURE	INFORMATION		
Waterway Open (sqft): 88 Structure Type: Steel Skew (deg): 0 Culvert Length (ft): 18.0 No of Spans/Barrels: 1	Beam, Encased	Approx Cover Roadway Width	t (ft): 16.0 / 5.5 r (ft): 0.3	
	CON	DITION	-	
MATER		CONDITION	1	
Deck: Concrete Superstructure: Steel Bear Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Concrete Load Rating: 20 Ton Description	eal	Good Good, light rust Fair, spalling north Good Good, cracked n.a. Rough Good	abutment <u>Priority</u>	<u>Cost</u>
Safety-Signs: Post "1 Lane", A Safety-GR: Replace: Road/Shld: Other:	.dd 3 OM3's		2	\$140
	MISC INF	ORMATION		
Inspected by: LJR Est Remain Life (yr): 15 Remarks: Clear ro	adway width = 15'9		pection Date: 6/20/200	07
Hwy Note 1:				
Hwv Note 2:				



Looking West





Looking South

> South End

	Small Bridge No	: 1991		
	IDENTIFI	CATION		
Road Name: 1000 Nort Location: 2300' WE Stream Name: Road Classif:			Township: WASHINGTON ADT: ear of ADT: 0 Year Built: 0	1
	STRUCTURE IN	NFORMATION		
Waterway Open (sqft): 12 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 20.0 No of Spans/Barrels: 1	orced Concrete Slab	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 8.0 / 1.0 (ft): 0.5	
	CONDI	TION		
MATER	IAL	CONDITION		
Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: None Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Steel M-sh Load Rating: 20 Ton Description Bank/Stream: Safety-Signs: Add OM2 - south Safety-GR: Replace: Road/Shld:	d Concrete Slab	Good Minor spalling Good n.a. Cracked & spalled n.a. Good Good, inadequate po	osts <u>Priority</u> <u>Cos</u> 3.2 \$19	
Other:				
Inspected by: LJR Est Remain Life (yr): 20 Remarks: OM2 at 1	MISC INFO		pection Date: 6/27/2007	
Hwy Note 1: Hwy Note 2:				



Looking East



Looking South

South End



West Abutment

South Coping

	Small Bridge N	o: 2001			
	IDENTIF	ICATION			
Road Name: 900 North Location: 2600' EAS Stream Name: Road Classif:			Township: V ADT: ar of ADT: 0 Year Built: 0		GTON
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 84 Structure Type: Reinfo Skew (deg): 0 Culvert Length (ft): 22.0 No of Spans/Barrels: 1	orced Concrete Slab	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 12.0 / c (ft): 0.8		
	COND	ITION			
MATER	IAL	CONDITION			
Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Cold Mix Rail: Steel M-sh Load Rating: 15 Ton Description Bank/Stream: Safety-Signs: Post "15 Ton Wei Safety-GR: Replace: Replace structure Road/Shld: Other:	aped PROPOSED IM	Poor, heavy spalling Poor, heavy spalling Moderate cracks & s Good Spalled & separated n.a. Good Inadequate posts PROVEMENTS	g at edges. Soft		e throughou <u>Cost</u> \$60 \$26,300
	MISC INFO	RMATION			
Inspected by: LJR Est Remain Life (yr): 5 Remarks: OM3's in			pection Date:	6/26/20	07
Hwv Note 1: Hwv Note 2:					



Looking East





Looking South

> South End

	Small Bridge N	No: 2032			
	IDENTI	FICATION			
Road Name: Eaton-Wh	eeling Pike		- Township:	UNION	
Location: 2000' EAS	-		ADT:		
Stream Name:		Ye	ear of ADT:	0	
Road Classif:			Year Built:	0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 47		Drain Area (a	cres): 270		
Structure Type: Al Bo	x Culvert	Span / Heigh	t (ft): 12.0	/ 4.5	
Skew (deg): 0		Approx Cove			
Culvert Length (ft): 30.0		Roadway Width	h (ft): 19.0		
No of Spans/Barrels: 1		Wearing Sur	face: Bitun	ninous	
	CON	DITION			
MATERI	AL	CONDITION	[
Deck: n.a.		n.a.			
Superstructure: n.a.		n.a.			
Substructure: n.a.		n.a.			
Channel: Natural		Overgrown			
Headwall: None		n.a.			
Culvert: Al Box Cu	lvert	Good. Roof has sett	led, minor.		
Road: Bituminou	S	Fair, cracked			
Rail: Steel M-sh	aped	Good, too low			
Load Rating: 20 Ton					
	PROPOSED IN	IPROVEMENTS			
Description				<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Replace SE OM3				3.5	\$28
Safety-GR:					
Replace:					
Road/Shld:					
Other: Clear vegetation				3	\$0
			_		
	MISC INF	ORMATION			
Inspected by: LJR		Ins	- spection Dat	e: 6/19/20	07
Est Remain Life (yr): 40			-		
Remarks: OM3's in	place. Rail is low.				
					
Hwy Note 1:					

Hwv Note 2:



Looking South



Looking East

	Small Bridge I	No: 2037			
	IDENTI	FICATION			
Road Name: Wheeling	z Avenue		- Township:	WASHIN	GTON
Location: 800' SOU	e	ST	ADT:		
Stream Name:		Y	ear of ADT:	: 0	
Road Classif:			Year Built:	: 0	
	STRUCTURE	INFORMATION			
\mathbf{W} ($\boldsymbol{\theta}$) 111	SIRUCIURE				
Waterway Open (sqft): 111	non Don Doomo	Drain Area (a	<i>,</i>		
Structure Type: Prest	less Box Beams	Span / Heigh		/ 0.0	
Skew (deg): 10		Approx Cove Roadway Widtl			
Culvert Length (ft): 32.0 No of Spans/Barrels: 1		Wearing Su		ninous	
No of Spans/Darreis. 1	CON	DITION	Tace. Ditui	lillous	
MATER	<u>IAL</u>	CONDITION			
Deck: Concrete		Good			
Superstructure: Prestress		Good, minor effluo	ressence		
Substructure: Timber pi	les / planks	Good, minor rot			
Channel: Natural		Overgrown			
Headwall: Timber		Good			
Culvert: n.a.		n.a.			
Road: Bitumino		Fair, cracked			
Rail: Steel M-s	haped	Good			
Load Rating: 20 Ton			-		
	PROPOSED IN	MPROVEMENTS			
Description				<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs:					
Safety-GR:					
Replace:					
Road/Shld:					
Other: Clear vegetation				3	\$0
	MISC INF	FORMATION	1		
Inspected by: LJR		Inc	spection Dat	to 6/27/201	77
Est Remain Life (yr): 50		1112	spection Dat	le: 0/2//200	57
Remarks: OM3's i	n nlace				
Kemarks. Owissi	n place.				
Hwy Note 1:					
Hwv Note 2:					



Looking North



Looking West



North Abutment

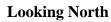
South Abutment

	Small Bridge N	lo: 2112			
	IDENTI	FICATION			
Road Name: 200 West Location: 800' SOU' Stream Name: Road Classif:	TH OF CR 750 N		Township: ADT: ear of ADT: Year Built:	0	NC
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 134 Structure Type: Steel I Skew (deg): 0 Culvert Length (ft): 22.0 No of Spans/Barrels: 1		Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 16.7 r (ft): .4 n (ft): 14.0		
	CONI	DITION			
MATER	IAL	CONDITION			
Deck: Concrete Superstructure: Steel Beam Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Bituminou Rail: Steel Tube Load Rating: 18 Ton <u>Description</u> Bank/Stream: Safety-Signs: Safety-GR: Replace: Road/Shld: Other: Clear vegetation	S	Good Fair, moderate rust Fair, minor scour Good n.a. Good Poor, broken & mist	sing	<u>Priority</u>	<u>Cost</u> \$0
	MISC INF	ORMATION			
Inspected by: LJR Est Remain Life (yr): 10 Remarks: OM3's in Hwy Note 1: Hwy Note 2:			pection Dat	e: 7/2/200	7



Looking West

Looking South







Southwest Corner



Southwest Corner

	Small Bridge No	b: 2136		
	IDENTIFI	CATION		
Road Name: 900 North Location: 1900' East Stream Name: Road Classif:			Township: UNI ADT: ear of ADT: 0 Year Built: 0	ON
	STRUCTURE IN	NFORMATION		
Waterway Open (sqft): 42 Structure Type: Reinfo Skew (deg): 10 Culvert Length (ft): 26.0 No of Spans/Barrels: 1	orced Concrete Slab	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	t (ft): 6.5 / 6 r (ft): 0.3	
	COND	ITION		
MATERDeck:ConcreteSuperstructure:ReinforcedSubstructure:ReinforcedChannel:GrassHeadwall:ConcreteCulvert:n.a.Road:Chip & SeRail:Steel TubeLoad Rating:20 TonDescriptionBank/Stream:Safety-GR:Safety-GR:Replace:Structure:Structure	l Concrete Slab l Concrete al	CONDITION Fair, moderate efflu Fair, moderate spall Poor, undermined & Good Poor, undermined & n.a. Uneven. Drop-off at Loose posts	oresence, minor s ing z cracked z leaning	rity <u>Cost</u>
Road/Shld: Repair SW should Other:	ler void		2	\$200
	MISC INFO	RMATION		
Inspected by: LJR Est Remain Life (yr): 2 Remarks: Moveme	nt detected in Abutm		pection Date: 6/	19/2007
Hwy Note 1: Hwy Note 2:				



Looking North





Looking Northwest

Southwest Waterline

Small Bridge No: 2209				
	IDENTIF	ICATION		
Road Name: 400 East Location: 930 ' SOU Stream Name: Road Classif:	JTH OF CR 275 N		Township: LIBERTY ADT: ear of ADT: 0 Year Built: 0	
	STRUCTURE I	NFORMATION		
Waterway Open (sqft): 136 Structure Type: Reinfo Skew (deg): 45 Culvert Length (ft): 30.0 No of Spans/Barrels: 1	orced Concrete Slab	Approx Cover Roadway Width	t (ft): 19.5 / 7.0 r (ft): .7	
	COND	ITION		
MATER	IAL	CONDITION	-	
Deck: Concrete Superstructure: Reinforce Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Concrete Load Rating: 20 Ton	l Concrete Slab al	Fair, heavy effluore Good, sound concre Fair, moderate spall Good, overgrown Good, cracked & se n.a. Good Good, cracked east	te, no spalling ing at SW waterline	
Description	I KOI OSED IVI	KOVENIEN IS	Priority	Cost
Bank/Stream: Safety-Signs: Reset NW OM3 Safety-GR: Replace: Road/Shld:			3.4	\$28
Other: Clear vegetation			3	\$0
Inspected by: LJR Est Remain Life (yr): 15 Remarks: 6' long fl	MISC INFO	Ins	pection Date: 7/2/2007	
Hwv Note 1:				

Hwv Note 2:



Looking West



Looking North



North Coping

Looking South

Small Bridge No: 2269					
	IDENTI	FICATION			
Road Name: 500 North	1		- Township	: DELAW	ARE
Location: 350' WES	T OF CR 725 E		ADT	:	
Stream Name:		Ye	ear of ADT	: 0	
Road Classif:			Year Built	: 0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 42		Drain Area (a	cres): 218		
Structure Type: Steel	Beam, Encased	Span / Heigh	t (ft): 12.0	/ 3.5	
Skew (deg): 0		Approx Cove	r (ft): 0.4		
Culvert Length (ft): 26.0		Roadway Widtl	h (ft): 19.0		
No of Spans/Barrels: 1		Wearing Sur	rface: Chip	& Seal	
	CON	DITION			
MATER	IAL	CONDITION	[
Deck: Concrete		Fair to poor. Soft co	oncrete. Hea	vy spalling	at edges.
Superstructure: Steel Bean	n, Encased	Fair, moderate rust.			
Substructure: Concrete		Good			
Channel: Natural		Good			
Headwall: Concrete		Moderate to heavy	spalling		
Culvert: n.a.		n.a.			
Road: Chip & Se	al	Fair, moderate crac	ks		
Rail: Steel Tube	•	Good			
Load Rating: 14 Ton					
	PROPOSED I	MPROVEMENTS			
Description				<u>Priority</u>	<u>Cost</u>
Bank/Stream:					
Safety-Signs: Post "14 Ton Wei Safety-GR:	ight Limit". Add O	M2's		1	\$98
Replace: Replace structure				3	\$26,800
Road/Shld:					
Other: Clear vegetation				3	\$0
	MISC INF	ORMATION			
Inspected by: LJR		Ins	spection Da	te: 7/3/200)7
Est Remain Life (yr): 10					
Remarks: Heavy effluoressence bottom of deck.					
Hwv Note 1:					

Hwv Note 2:



Looking North



Southeast Corner

Looking West



Looking South

Southwest Corner

IDENTIFICATION	
Road RTH OF INLOW SPRINGS ROAD Ye	Township: CENTER ADT: ear of ADT: 0 Year Built: 0
STRUCTURE INFORMATION	
Arch Span / Heigh Approx Cover Roadway Width	t (ft): 10.1 / 8.0 r (ft): 2.0
CONDITION	
AL <u>CONDITION</u>	-
na. Good nent Poor, heavy spalling Good	g SE & SW
MISC INFORMATION	
	Spection Date: 7/2/2007 tons have moderate to heavy
& rust. OM3's in place.	
	STRUCTURE INFORMATION STRUCTURE INFORMATION Arch Span / Heighthee Approx Cover Roadway Widthee Wearing Sur CONDITION AL CONDITION AL Good na. Good ment Poor, heavy spalling Good Fair. Spalling NW & n.a. Good Strict Spalling NW & N.A. MISC INFORMATION MISC INFORMATION



Looking North





Looking West

Looking East

	Small Bridge N	No: 2348		
	IDENTI	FICATION		
Road Name: 700 West Location: 700' NOF Stream Name: Road Classif:			Township: HARRISON ADT: car of ADT: 0 Year Built: 0	
	STRUCTURE	INFORMATION		
Waterway Open (sqft): 63 Structure Type: Steel Skew (deg): 40 Culvert Length (ft): 22.0 No of Spans/Barrels: 1	Beam, Encased	Approx Cover Roadway Width	t (ft): 11.5 / 5.5 r (ft): .8	
	CON	DITION		
MATER	IAL	CONDITION		
Deck: Concrete Superstructure: Steel Bear Substructure: Concrete Channel: Natural Headwall: Concrete Culvert: n.a. Road: Chip & Se Rail: Steel M-st Load Rating: 19 Ton Description Bank/Stream: Safety-Signs: Add OM3's SW of	eal haped PROPOSED IN	Good Moderate rust in spo Moderate spalls & c Good n.a. Good Inadequate posts	eracks throughout	<u>ost</u> 56
Safety-GR:				
Replace: Road/Shld: Other:				
	MISC INF	ORMATION		
Inspected by: LJR Inspection Date: 6/26/2007 Est Remain Life (yr): 20 Remarks: Posted "1 Lane".				
Hwy Note 1: Hwy Note 2:				



Looking West





Looking South

Looking North

	Small Bridge No	b: 2478	
	IDENTIFI	CATION	
Road Name: Bethel Av Location: JUST EA Stream Name: Road Classif:			Township: HARRISON ADT: ar of ADT: 0 Year Built: 0
	STRUCTURE IN	NFORMATION	
Waterway Open (sqft): 36 Structure Type: Reinfo Skew (deg): 40 Culvert Length (ft): 32.0 No of Spans/Barrels: 1	orced Concrete Slab	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	c (ft): 6.0 / 6.0 (ft): 1.0
	COND	ITION	
MATER Deck: Concrete Superstructure: Reinforced Substructure: Concrete Channel: Riprap Headwall: Concrete Culvert: n.a. Road: Bituminou Rail: None Load Rating: 20 Ton	l Concrete Slab	CONDITION Good Good, light spalling Fair, spalling at wate Good Fair, spalled NW n.a. Good n.a.	erline
Description Bank/Stream: Safety-Signs: Safety-GR: Replace: Road/Shld: Other:			<u>Priority</u> <u>Cost</u>
	MISC INFO	RMATION	
Inspected by: LJR Est Remain Life (yr): 20 Remarks: Some sc	our. No undermine.		pection Date: 6/26/2007
Hwy Note 1: Hwy Note 2:			

Delaware County Culvert No. 2511



Looking East



Looking South



Looking North

Bottom - Typical

DELAWARE COUNTY SMALL BRIDGE INSPECTION REPORT

	Small Bridge No	p: 2511			
	IDENTIF	CATION			
Road Name: 300 South		E AND LIG 25	Township: C	ENTER	/MONROE
Location: BETWEE Stream Name:	IN EATON AVENU		ADT: ar of ADT: 0		
Road Classif:			Year Built: 0		
Koau Classii.					
	STRUCTURE I	NFORMATION			
Waterway Open (sqft): 106		Drain Area (ac	cres): 1141		
Structure Type: Steel 1	Beam, Encased	Span / Height		6.0	
Skew (deg): 0		Approx Cover			
Culvert Length (ft): 22.0		Roadway Width			
No of Spans/Barrels: 1		Wearing Sur	face: Bitumino	ous	
	COND	ITION			
MATER	IAL	CONDITION			
Deck: Concrete		Poor, spalled			
Superstructure: Steel Bean		Poor, heavy rust & s			
Substructure: Concrete		Fair, moderate spall	ing		
Channel: Natural		Overgrown			
Headwall: Concrete		Fair, spalled			
Culvert: n.a.		n.a.			
Road: Bituminou		Good			
Rail: Concrete		Good			
Load Rating: 05 Ton					
	PROPOSED IM	PROVEMENTS			
Description			<u>Pr</u>	<u>iority</u>	Cost
Bank/Stream:					
Safety-Signs:					
Safety-GR:					
Replace: Replace structure				2	\$78,700
Road/Shld:					
Other: Clear vegetation				3	\$0
	MISC INFO	RMATION			
Inspected by: LJR		Inc	pection Date:	7/2/200	7
Est Remain Life (yr): 3			pection Date.	1121200	1
Remarks: Posted 5	Ton. OM3's in place	e.			
Kennar KS. 1 05000 5	ron. Onio 5 in plac				
Hwy Note 1:					

Hwv Note 2:

Delaware County Culvert No. 2565



Looking West



Looking Southeast

DELAWARE COUNTY SMALL BRIDGE INSPECTION REPORT

	Small Bridge N	lo: 2565			
	IDENTIH	FICATION			
Road Name: White Roa Location: 1000' WES Stream Name: Road Classif:			Township: ADT: ar of ADT: Year Built:	0	
	STRUCTURE	INFORMATION			
Waterway Open (sqft): 98 Structure Type: Al Box Skew (deg): 20 Culvert Length (ft): 55.0 No of Spans/Barrels: 1	x Culvert	Drain Area (ac Span / Height Approx Cover Roadway Width Wearing Sur	(ft): 16.0 (ft): 2.0 (ft): 16.0		
	CONI	DITION			
MATERI	AL	CONDITION			
MATERI Deck: n.a. Superstructure: n.a. Substructure: n.a. Channel: Natural / ri Headwall: None Culvert: Al Box Cu Road: Bituminous Rail: None Load Rating: 20 Ton Description Bank/Stream: Safety-Signs: Replace SW OM3 Safety-GR: Replace: Road/Shld: Other:	prap lvert s PROPOSED IN	n.a. n.a. Good n.a. Good, minor deflect Good n.a. IPROVEMENTS		Priority 3.5	<u>Cost</u> \$28
l	MISC INF	ORMATION			
Inspected by: LJR Est Remain Life (yr): 40 Remarks: NE OM3	in place.	Ins	pection Dat	e: 7/3/2007	,
Hwv Note 1: Hwv Note 2:					

MAINTENANCE SUMMARY ALL CATEGORIES - ALL PRIORITIES

Delaware County - Culvert Inspection Report

Work Category	Number of	Cost
Replace / Rehabilitate	12	\$ 559,000
Bank / Stream	6	\$ 30,019
Safety / Guard Rail	4	\$ 1,350
Safety / Signs	40	\$ 1,921
Shoulder / Approach	2	\$ 300
Other	23	\$ 12,900
Grand Total	87	\$ 605,490

REPLACE / REHABILITATE PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
1.0	1275	800 East 2200' SOUTH OF CR 1200 N	Reinforced Concrete Slab	Replace structure	\$32,900
1.0	947	500 South 1000' WEST OF CR 300 W	Steel Beam, Encased	Replace structure	\$26,300
2.0	1434	650 South 1400' WEST OF CR 461 E	Steel Beam, Encased	Replace structure	\$59,300
2.0	1740	Gregory Road WEST OF CR 450 E	Steel Beam, Encased	Replace structure	\$32,900
2.0	2136	900 North 1900' East of CR 200 West	Reinforced Concrete Slab	Replace structure	\$118,000
2.0	2511	300 South BETWEEN EATON AVENUE AND US 35	Steel Beam, Encased	Replace structure	\$78,700
2.0	440	950 North 600' WEST OF CR 925 W	Reinforced Concrete Slab	Replace with pipe structure	\$3,000
2.0	95	550 East 700' NORTH OF EATON-ALBANY PIKE	Reinforced Concrete Slab	Replace structure	\$48,600
3.0	1026	700 South 1100' WEST OF SR 3	Reinforced Concrete Slab	Replace structure	\$27,500
3.0	2001	900 North 2600' EAST OF CR 500 W	Reinforced Concrete Slab	Replace structure	\$26,300
3.0	2269	500 North 350' WEST OF CR 725 E	Steel Beam, Encased	Replace structure	\$26,800

REPLACE / REHABILITATE PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Des	cription	Cost
3.0	2334	Burlington Road	Stone Arch	Replace s	tructure	\$78,700
		1900' NORTH OF INLOW SPRINGS ROAD				
				Sum: \$559,000		00
				Count:	1	12

Priority Explanation:

- 1. Structure is closed.
- 2. Weight limit 5 ton or less, or less than 2 year remaining life.
- 3. Weight limit 10 ton or less, or less than 5 year remaining life.
- 4. Weight limit 15 ton or less, or less than 10 year remaining life.

BANK / STREAM PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
2.0	1413	600 South 200' WEST of 875 EAST	Steel Beam, Encased	Underpin abutments	\$10,019
2.0	1559	700 South 1000' EAST OF HONEYCREEK RD	Steel girder - unknown	Underpin abutments	\$5,400
3.0	1340	400 South 400' EAST OF CR 575 E	Reinforced Concrete Slab	Underpin both abutments	\$5,400
3.0	26	Riggin Road 1600' EAST OF SHAFFER ROAD	Steel Beam, Encased	Pour concrete bottom through structure	\$5,900
3.0	865	Windsor Road BETWEEN CR 400 E AND INLOW SPRINGS ROAD	Timber Slab	Add gabion baskets, west abutment	\$2,300
4.0	677	Centennial Avenue WEST OF CR 700 E	Al Box Culvert	Remove concrete wall at south end	\$1,000

Sum:	\$30,019
Count:	6

Priority Explanation:

- 1. Failure of substructure / roadway is imminent.
- 2. Failure of substructure / roadway is probable within 2 years.
- 3. Substructure / roadway will be impacted within 5 years.
- 4. Minor erosion needs attention
- 5. Routine maintenance.

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
4.1	849	Whitney Road 1000' NORTH OF INLOW SPRINGS RD	Al Box Culvert	Repair north guard rail	\$360
4.1	978	300 West 2600' SOUTH OF CR 500 S	AI Box Culvert	Repair damaged rail	\$180
4.4	1694	1200 North 500' EAST OF CR 975 W	Reinforced Concrete Slab	Add guard rail	\$540
4.5	1560	400 West 1250' NORTH OF CR 1270 N	Reinforced Concrete Slab	Replace east railing	\$270

Priority Culvert No	Location	Culvert Type	Work De	scription	Cost
			Sum:	\$1,350	
			Count:	4	
Priority Explanation:					
1.0 Posting of weight	limits is required				
2.0 Posting "1 Lane"	is strongly recomm	ended			
2.5 Narrow Bridge					
3.0 OM3 - obstacle wi	ithin 0.5' of paveme	nt edge.			
3.1 OM3 - obstacle wi	ithin 1.0' of paveme	nt edge			
3.2 OM2 - obstacle wi	ithin 1.5' of paveme	nt edge			
3.3 OM2 - obstacle wi	ithin 2.0' of paveme	nt edge			
3.4 OM2 - obstacle wi	ithin 2.5' of paveme	nt edge.			
3.5 OM2 - obstacle wi	ithin 3.0' of paveme	nt edge.			
3.6 OM2 - obstacle wi	ithin 3.5' of paveme	nt edge			
3.7 OM2 - obstacle wi	ithin 4.0' of paveme	nt edge			
3.8 OM2 - obstacle wi	ithin 5.0' of paveme	nt edge.			
3.9 OM2 - obstacle wi	ithin 6.0' of paveme	nt edge.			
4.0 Guard Rail - obsta	acle within 0.5' of po	avement edge.			
4.1 Guard Rail - obsta	acle within 1.0' of po	avement edge			
4.2 Guard Rail - obsta	acle within 1.5' of po	avement edge			
4.3 Guard Rail - obsta	acle within 2.0' of po	avement edge			
4.4 Guard Rail - obsta	acle within 2.5' of po	avement edge.			
4.5 Guard Rail - obsta	acle within 3.0' of po	avement edge.			
4.6 Guard Rail - obsta	acle within 3.5' of po	avement edge			
4.7 Guard Rail - obsta	• -	U U			
4.8 Guard Rail - obsta	• -	U U			
4.9 Guard Rail - obsta	acle within 6.0' of po	avement edge.			

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
1.0	1434	650 South 1400' WEST OF CR 461 E	Steel Beam, Encased	Post "11 Ton Weight Limit". Place OM3, NE.	\$88
1.0	1740	Gregory Road WEST OF CR 450 E	Steel Beam, Encased	Post "12 Ton Weight Limit"	\$60
1.0	1836	Walnut Street 1300' NORTH OF CR 500 N	Multi-Plate Pipe Arch	Post "15 Ton Weight Limit". Add OM2's	\$98
1.0	2001	900 North 2600' EAST OF CR 500 W	Reinforced Concrete Slab	Post "15 Ton Weight Limit"	\$60
1.0	2269	500 North 350' WEST OF CR 725 E	Steel Beam, Encased	Post "14 Ton Weight Limit". Add OM2's	\$98
1.0	95	550 East 700' NORTH OF EATON- ALBANY PIKE	Reinforced Concrete Slab	Post "5 Ton Weight Limit"	\$60
2.0	1872	950 West NORTH OF CORNER RD	Steel Beam, Encased	Post "1 Lane", Add 3 OM3's	\$140
2.0	2348	700 West 700' NORTH OF SR 332	Steel Beam, Encased	Add OM3's SW & NE	\$56
2.0	267	400 North 4100' EAST OF CR 500 E	Reinforced Concrete Slab	Post "1 Lane", Add OM3's	\$168
3.0	849	Whitney Road 1000' NORTH OF INLOW SPRINGS RD	Al Box Culvert	Remove 15 Ton weight limit	\$0
3.1	978	300 West 2600' SOUTH OF CR 500 S	Al Box Culvert	Add OM3's	\$112
3.2	1991	1000 North 2300' WEST OF CR 500 W	Reinforced Concrete Slab	Add OM2 - southwest	\$19

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
3.2	440	950 North 600' WEST OF CR 925 W	Reinforced Concrete Slab	Add OM2's	\$38
3.3	452	850 North 850' EAST OF CR 500 W	Reinforced Concrete Slab	Reset SE OM3	\$28
3.3	587	Bethel Avenue 2000' EAST OF CR 700 W	Prestress Box Beams	Reset northeast OM2	\$19
3.4	1227	Boundary Road 2700' NORTH OF CR 1200 N	Steel Beam, Encased	Place OM2's	\$38
3.4	1313	1000 North 850' EAST OF SR 167	Steel Beam, Encased	Place OM3's: SE, NE, NW	\$84
3.4	1479	400 East 850' SOUTH OF CR 740 S	Reinforced Concrete Slab	Place OM2's	\$38
3.4	1614	100 West 1600' SOUTH OF CR 1200 N	Reinforced Concrete Slab	Place OM2's	\$38
3.4	1694	1200 North 500' EAST OF CR 975 W	Reinforced Concrete Slab	Add OM2's	\$38
3.4	2209	400 East 930 ' SOUTH OF CR 275 N	Reinforced Concrete Slab	Reset NW OM3	\$28
3.5	1326	450 East 2100' NORTH OF EATON- ALBANY PIKE	Steel Beam, Encased	Place OM2's	\$38
3.5	1413	600 South 200' WEST of 875 EAST	Steel Beam, Encased	Add OM2's	\$38
3.5	1641	Eaton-Wheeling Pike 650' EAST OF WALNUT ST	Concrete Arch	Replace SE OM3	\$28

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
3.5	173	Woodside Road JUST WEST OF POTTERY ROAD	Al Box Culvert	Place OM2's	\$38
3.5	1818	900 North 500' WEST OF CR 600 W	Corrugated Metal Pipe Arch	Add OM2's	\$38
3.5	2032	Eaton-Wheeling Pike 2000' EAST OF CR 287 W	Al Box Culvert	Replace SE OM3	\$28
3.5	2565	White Road 1000' WEST OF POST RD	Al Box Culvert	Replace SW OM3	\$28
3.5	844	900 East 700' SOUTH OF WINDSOR RD	Reinforced Concrete Slab	Place OM2's	\$38
3.7	1317	1000 North 650' EAST OF CR 800 EAST	Stone Arch	Place SW OM3	\$28
3.7	185	Woodside Road EAST OF SR 67	Al Box Culvert	Place OM2's	\$38
3.7	677	Centennial Avenue WEST OF CR 700 E	Al Box Culvert	Reset NE OM3	\$28
3.7	738	Northwod Drive 800' NORTH OF JACKSON ST	Al Box Culvert	Add OM2's	\$38
3.8	1273	350 East 1300' SOUTH OF CR 1200 N	Steel Beam, Encased	Place OM2's	\$38
3.8	1277	800 East 2800' SOUTH OF CR 1200 N	Reinforced Concrete Slab	Reset SE OM3.	\$28
3.8	1308	350 East 2700' NORTH OF EATON- ALBANY PIKE	Steel Beam, Encased	Replace northbound OM2.	\$19

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
3.8	1741	Gregory Road 800' WEST OF CR 450 E	Steel Beam, Encased	Place OM3 northwest	\$28
3.9	1113	950 West 1500' SOUTH OF CR 300 N	Reinforced Concrete Slab	Add NW OM3	\$28
3.9	1671	1000 North 1600' WEST OF CR 100 W	Al Box Culvert	Place OM3 for east bound	\$28
3.9	326	900 North 2300' EAST OF CR 200 W	Steel Beam, Encased	Place OM2's	\$38

Priority	Culvert No	Location	Culvert Type	Work Desci	ription Cos
				Sum:	\$1,921
				Count:	40
Priorit	y Explanation:				
1.0	Posting of weigh	nt limits is required			
2.0	Posting "1 Land	e" is strongly recom	mended		
2.5	Narrow Bridge				
3.0	OM3 - obstacle	within 0.5' of paven	nent edge.		
3.1	OM3 - obstacle	within 1.0' of paven	nent edge		
3.2	OM2 - obstacle	within 1.5' of paven	nent edge		
3.3	OM2 - obstacle	within 2.0' of paven	nent edge		
3.4	OM2 - obstacle	within 2.5' of paven	nent edge.		
3.5	OM2 - obstacle	within 3.0' of paven	nent edge.		
3.6	OM2 - obstacle	within 3.5' of paven	nent edge		
3.7	OM2 - obstacle	within 4.0' of paven	nent edge		
3.8	OM2 - obstacle	within 5.0' of paven	nent edge.		
3.9	OM2 - obstacle	within 6.0' of paven	nent edge.		
4.0	Guard Rail - ob	stacle within 0.5' of	f pavement edge.		
4.1	Guard Rail - ob	stacle within 1.0' of	f pavement edge		
4.2	Guard Rail - ob	stacle within 1.5' of	f pavement edge		
4.3	Guard Rail - ob	stacle within 2.0' of	f pavement edge		
4.4	Guard Rail - ob	stacle within 2.5' of	f pavement edge.		
4.5	Guard Rail - ob	stacle within 3.0' of	f pavement edge.		
4.6	Guard Rail - ob	stacle within 3.5' of	f pavement edge		
4.7	Guard Rail - ob	stacle within 4.0' of	f pavement edge		
4.8	Guard Rail - ob	stacle within 5.0' of	f pavement edge.		
4.9	Guard Rail - ob	stacle within 6.0' of	f pavement edge.		

SHOULDER / APPROACH PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
2.0	2136	900 North 1900' East of CR 200 West	Reinforced Concrete Slab	Repair SW shoulder void	\$200
3.0	173	Woodside Road JUST WEST OF POTTERY ROAD	Al Box Culvert	Fix sinkhole at NE corner.	\$100
				Sum: \$.	300
				Count:	2

Priority Explanation:

- 1. Roadway hazard exists.
- 2. Roadside hazard exists.
- 3. Rough pavement conditions.
- 4. Rough shoulder conditions.
- 5. Routine maintenance.

OTHER PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
1.0	1836	Walnut Street 1300' NORTH OF CR 500 N	Multi-Plate Pipe Arch	Post 15 Ton or increase cover to 2.0 ft.	\$12,900
3.0	1026	700 South 1100' WEST OF SR 3	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	1113	950 West 1500' SOUTH OF CR 300 N	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	1223	600 East 850' SOUTH OF CR 1300 N	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	1240	600 East 2000' SOUTH OF CR 1300 N	Steel Beam, Encased	Clear vegetation	\$0
3.0	1277	800 East 2800' SOUTH OF CR 1200 N	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	1559	700 South 1000' EAST OF HONEYCREEK RD	Steel girder - unknown	Clear vegetation	\$0
3.0	2032	Eaton-Wheeling Pike 2000' EAST OF CR 287 W	Al Box Culvert	Clear vegetation	\$0
3.0	2037	Wheeling Avenue 800' SOUTH OF RIGDON ST	Prestress Box Beams	Clear vegetation	\$0
3.0	2112	200 West 800' SOUTH OF CR 750 N	Steel Beam, Encased	Clear vegetation	\$0
3.0	2209	400 East 930 ' SOUTH OF CR 275 N	Reinforced Concrete Slab	Clear vegetation	\$0

OTHER PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Description	Cost
3.0	2269	500 North 350' WEST OF CR 725 E	Steel Beam, Encased	Clear vegetation	\$0
3.0	2511	300 South BETWEEN EATON AVENUE AND US 35	Steel Beam, Encased	Clear vegetation	\$0
3.0	329	900 North 1300' EAST OF WALNUT ST	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	452	850 North 850' EAST OF CR 500 W	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	587	Bethel Avenue 2000' EAST OF CR 700 W	Prestress Box Beams	Clear vegetation	\$0
3.0	590	700 West 900' SOUTH OF BETHEL AVENUE	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	608	350 North 250' EAST OF CR 500 E	Al Box Culvert	Clear vegetation	\$0
3.0	677	Centennial Avenue WEST OF CR 700 E	Al Box Culvert	Clear vegetation	\$0
3.0	844	900 East 700' SOUTH OF WINDSOR RD	Reinforced Concrete Slab	Clear vegetation	\$0
3.0	849	Whitney Road 1000' NORTH OF INLOW SPRINGS RD	Al Box Culvert	Clear vegetation	\$0
3.0	865	Windsor Road BETWEEN CR 400 E AND INLOW SPRINGS ROAD	Timber Slab	Clear vegetation	\$0

OTHER PRIORITIES Delaware County - Culvert Inspection Report

Priority	Culvert No	Location	Culvert Type	Work Des	cription	Cost
3.0	960	188 East 400' NORTH OF CR 525 S	Multi-Plate Box Culvert	Clear veç	getation	\$0
				Sum: Count:	\$12,90 2	

WEIGHT LIMIT REPORT Delaware County - Culvert Inspection Report

Rating	BR # Life-yrs	Road Name: Remarks:	Structure Type:	Work	Priority	\$
00 Ton	947 0	500 South 1000' WEST OF CR 300 W	Steel Beam, Encased	Replace structure	1.0	\$26,300
		Should be closed as soon as po	ossible.			
00 Ton	1275 0	800 East 2200' SOUTH OF CR 1200 N	Reinforced Concrete Slab	Replace structure	1.0	\$32,900
		Should be closed immediately. steel beam, encased in good cc				
05 Ton	95 1	550 East 700' NORTH OF EATON- ALBANY PIKE	Reinforced Concrete Slab	Replace structure	2.0	\$48,600
		Recommend 6 month reinspect	ion.	Post "5 Ton Weight Limit"	1.0	\$60
05 Ton	2511 3	300 South BETWEEN EATON AVENUE AND US 35	Steel Beam, Encased	Replace structure	2.0	\$78,700
		Posted 5 Ton. OM3's in place.		Clear vegetation	3.0	\$0
10 Ton	440 2	950 North 600' WEST OF CR 925 W	Reinforced Concrete Slab	Replace with pipe structure	2.0	\$3,000
		Do not post weight limit. Low un yields minor deflection at failure	nderclearance	Add OM2's	3.2	\$38

WEIGHT LIMIT REPORT Delaware County - Culvert Inspection Report

Rating	BR # Life-yrs	Road Name: Remarks:	Structure Type:	Work	Priority	\$
11 Ton	1434 3	650 South 1400' WEST OF CR 461 E	Steel Beam, Encased			
				Replace structure	2.0	\$59,300
		Recommend 12 month reinspe	ction.			
				Post "11 Ton Weight Limit". Place OM3, NE	. 1.0	\$88
12 Ton	1740	Gregory Road	Steel Beam,			
	8	WEST OF CR 450 E	Encased			
				Replace structure	2.0	\$32,900
		3 beams are rusted through. R month reinspection.	ecommend 12	Post "12 Ton Weight Limit"	1.0	\$60
14 Ton	2269	500 North	Steel Beam,			
14 1011	10	350' WEST OF CR 725 E	Encased			
				Replace structure	3.0	\$26,800
		Heavy effluoressence bottom o	f deck.	Clear vegetation	3.0	\$0
				Post "14 Ton Weight Limit". Add OM2's	1.0	\$98
15 Ton	2001	900 North	Reinforced Concrete Slab			
	5	2600' EAST OF CR 500 W		Replace structure	3.0	\$26,300
		OM3's in place.				
				Post "15 Ton Weight Limit"	1.0	\$60
15 Ton	1836	Walnut Street	Multi-Plate Pipe			
	50	1300' NORTH OF CR 500 N	Arch			
				Post 15 Ton or increase cover to 2.0 ft.	1.0	\$12,900
				Post "15 Ton Weight Limit". Add OM2's	1.0	\$98

WEIGHT LIMIT REPORT Delaware County - Culvert Inspection Report

Rating	BR #	Road Name:	Structure Type:	Work	Priority	\$
	Life-yrs	Remarks:				
16 Ton	1034	700 South	Steel Beam, Encased			
	25	600' WEST OF CR 200 W	Encased			
		OM3's in place.				
18 Ton	2112	200 West	Steel Beam,			
	10	800' SOUTH OF CR 750 N	Encased			
		OM3's in place.		Clear vegetation	3.0	\$0
19 Ton	2348	700 West	Steel Beam,			
	20	700' NORTH OF SR 332	Encased			
		Posted "1 Lane".				
		Posieu 1 Lane .		Add OM3's SW & NE	2.0	\$56

Life-yrs	BR #	Road Name	Structure Type	Work	Priority	
	Rating	Remarks				
0	1275	800 East	Reinforced Concrete Slab			
	00 Ton	2200' SOUTH OF CR 1200 N				
				Replace structure	1.0	\$32,900
		Should be closed immediately. steel beam, encased in good co				
0	947	500 South	Steel Beam,			
·	00 Ton	1000' WEST OF CR 300 W	Encased			
				Replace structure	1.0	\$26,300
		Should be closed as soon as po	ossible.			
	05		Reinforced			
1	95 05 Ton	550 East 700' NORTH OF EATON-	Concrete Slab			
		ALBANY PIKE		Replace structure	2.0	\$48,600
		Recommend 6 month reinspect	iion.			
				Post "5 Ton Weight Limit"	1.0	\$60
2	1413	600 South	Steel Beam,	Underpin abutments	2.0	\$10,019
	20 Ton	200' WEST of 875 EAST	Encased			
				Add OM2's	3.5	\$38
2	1559	700 South	Steel girder -	Underpin abutments	2.0	\$5,400
	20 Ton	1000' EAST OF HONEYCREEK RD	unknown			
		Not able to verify size or type of OM3's in place.	f steel members.	Clear vegetation	3.0	\$0

Life-yrs	BR # Rating	Road Name Remarks	Structure Type	Work	Priority	,
2	2136 20 Ton	900 North 1900' East of CR 200 West	Reinforced Concrete Slab			
				Replace structure	2.0	\$118,000
				Repair SW shoulder void	2.0	\$200
		Movement detected in Abutmen	nts. OM3's in place.			
2	440	950 North	Reinforced			
	10 Ton	600' WEST OF CR 925 W	Concrete Slab			
				Replace with pipe structure	2.0	\$3,000
		Do not post weight limit. Low ur yields minor deflection at failure		Add OM2's	3.2	\$38
3	1434	650 South	Steel Beam, Encased			
	11 Ton	1400' WEST OF CR 461 E	Lindood	Replace structure	2.0	\$59,300
		Recommend 12 month reinspec	ction.	Post "11 Ton Weight Limit". Place OM3, N	E. 1.0	\$88
	2511	200 South	Steel Deem			
3	05 Ton	300 South BETWEEN EATON AVENUE	Steel Beam, Encased			
	05 101	AND US 35		Replace structure	2.0	\$78,700
		Posted 5 Ton. OM3's in place.		Clear vegetation	3.0	\$0
	26	Riggin Road	Steel Beam,	Pour concrete bottom through structure	3.0	\$5,900
4	20 Ton	1600' EAST OF SHAFFER ROAD	Encased		5.0	φ 0,3 00
		Steel beam, encased bridge has with reinforced concrete slab.	s been widened			

Life-yrs	BR # Rating	Road Name Remarks	Structure Type	Work	Priority	
5	1026 20 Ton	700 South 1100' WEST OF SR 3	Reinforced Concrete Slab	Replace structure	3.0	\$27,500
		OM3's in place. Brush obstruct	ts OM3's.	Clear vegetation	3.0	\$0
5	1340 20 Ton	400 South 400' EAST OF CR 575 E	Reinforced Concrete Slab	Underpin both abutments	3.0	\$5,400
		East abutment has partial failur south half is undermined. OM3				
5	2001 15 Ton	900 North 2600' EAST OF CR 500 W	Reinforced Concrete Slab	Replace structure	3.0	\$26,300
		OM3's in place.		Post "15 Ton Weight Limit"	1.0	\$60
5	2334 20 Ton	Burlington Road 1900' NORTH OF INLOW SPRINGS ROAD Bridge widened with steel bean	Stone Arch	Replace structure	3.0	\$78,700
		portions have moderate to hear OM3's in place.				
8	1740 12 Ton	Gregory Road WEST OF CR 450 E	Steel Beam, Encased	Replace structure	2.0	\$32,900
		3 beams are rusted through. R month reinspection.	ecommend 12	Post "12 Ton Weight Limit"	1.0	\$60

Life-yrs	BR # Rating	Road Name Remarks	Structure Type	Work	Priority	
10	1614 20 Ton	100 West 1600' SOUTH OF CR 1200 N	Reinforced Concrete Slab			
		Bridge is probably undersized.		Place OM2's	3.4	\$38
10	1694 20 Ton	1200 North 500' EAST OF CR 975 W	Reinforced Concrete Slab	Add guard rail	4.4	\$540
				Add OM2's	3.4	\$38
10	2112 18 Ton	200 West 800' SOUTH OF CR 750 N	Steel Beam, Encased			
		OM3's in place.		Clear vegetation	3.0	\$0
10	2269 14 Ton	500 North 350' WEST OF CR 725 E	Steel Beam, Encased	Replace structure	3.0	\$26,800
	Heavy effluoressence bottom of deck.		deck.	Clear vegetation Post "14 Ton Weight Limit". Add OM2's	3.0 1.0	\$0 \$98