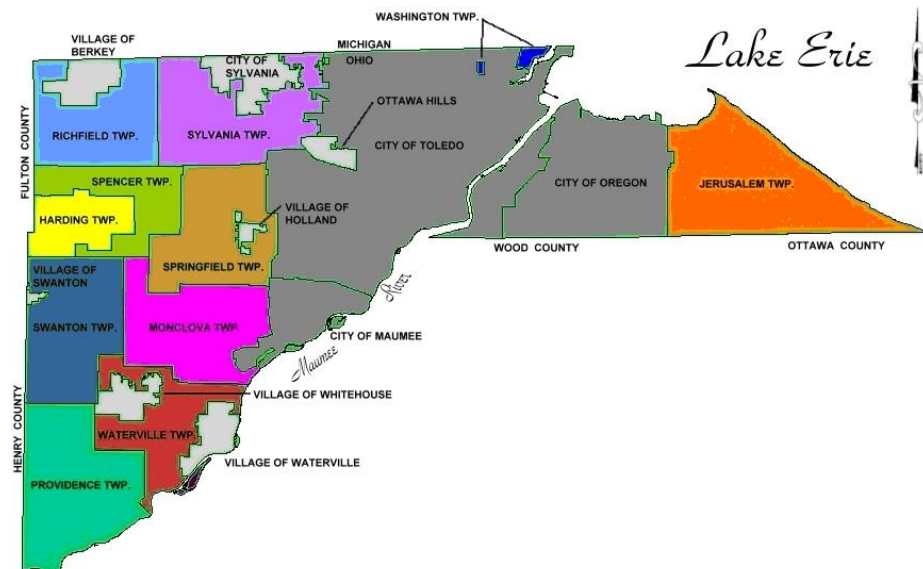


OFFICE OF THE LUCAS COUNTY ENGINEER

6-YEAR CAPITAL IMPROVEMENT PROGRAM 2017 – 2022



KEITH G. EARLEY, P.E., P.S.
LUCAS COUNTY ENGINEER
1049 S. McCORD ROAD
HOLLAND, OHIO 43528
(419) 213-2860

February 2017

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**LUCAS COUNTY ENGINEER
PROJECT MANAGERS
(419) 213-2860**

KGE	Keith G. Earley, P.E., P.S.	Lucas County Engineer	213-2839
JML	Jeffery M. Lohse, P.E.	Chief Design Engineer/Chief Deputy	213-2858
BWM	Brian W. Miller, P.E.	Drainage Engineer – Dept. Head	213-2830
JSP	Joel S. Palermo, P.E.	Construction Engineer – Dept. Head	213-2840
PMO	Patrick M. O’Boyle, P.E.	Culvert Design Engineer (Part-Time)	213-2855
BAZ	Bryan A. Zienta, P.E.	Bridge Engineer	213-2859
DJP	Douglas J. Parrish, P.E., S.I.	Planning/Design Engineer	213-2856
RLM	Ronald L. Myers, P.E.	Traffic Operations Engineer	213-2854
SLR	Sarah L. Rowland, P.E.	Roadway/Township Design Engineer	213-2857
JRH	Joshua R. Hazard, E.I.	Construction Project Supervisor	213-2841
KPW	Kyle P. Warner, P.E.	Traffic/Design Engineer	213-2875
ATP	Alan T. Pfaff, E.I.	Engineer Intern/Drainage	213-2831

CAPITAL IMPROVEMENT PROGRAM SUMMARY (2017 – 2022)

BASED ON REVENUE PROJECTIONS AND NON-CIP EXPENDITURES

TOTAL 6-YEAR PROGRAM

Construction: \$ 39,316,000
 Other Costs: \$ 28,756,900
Total C.I.P. \$ 68,072,900

Total Budget: \$ 105,064,829

Percentage of Budget allocated to C.I.P. = **64.79%**

INFRASTRUCTURE TYPE	2017	2018	2019	2020	2021	2022
Roadway	\$ 5,631,000	\$ 4,105,000	\$ 6,966,000	\$ 5,010,000	\$ 7,135,000	\$ 5,956,000
Bridges	\$ 450,000	\$ 350,000	\$ 930,000	\$ 350,000	\$ 250,000	\$ 250,000
Drainage / Culverts	\$ 228,000	\$ 305,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000
TOTAL	\$ 6,309,000	\$ 4,760,000	\$ 8,246,000	\$ 5,710,000	\$ 7,735,000	\$ 6,556,000

FUNDING SOURCES FOR C.I.P.

License Plate Fees & Gas Tax	\$ 47,847,900	70.3%
OPWC	\$ 9,180,000	13.5%
Federal / O.D.O.T.	\$ 8,780,000	12.9%
Other Local Public Jurisdictions	\$ 2,265,000	3.3%
TOTAL	\$ 68,072,900	100.0%

CONSTRUCTION DOLLAR SUMMARY

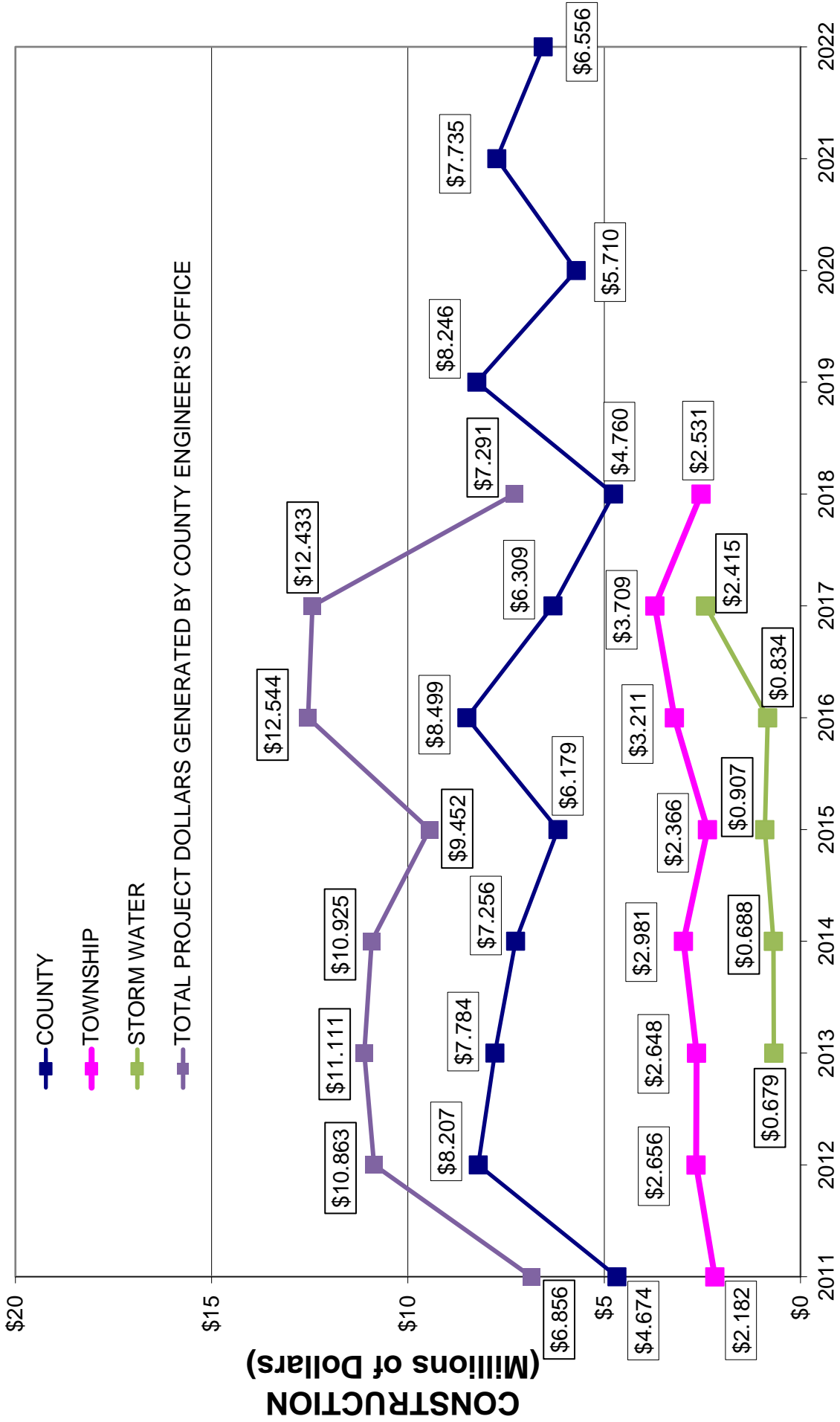
2017 Anticipated Construction.....\$ 6,309,000

2018 Anticipated Construction.....\$ 4,760,000

Projects under design or to be initiated in 2017 and Projects in the Capital Improvement Program under consideration for Construction in 2019 and Beyond.....\$ 28,247,000

Grand Total in Anticipated Construction Dollars.....\$ 39,316,000

LUCAS COUNTY ENGINEER AND TOWNSHIP PROJECTS - CONSTRUCTION \$ ONLY



Note: It is estimated the County Engineer will pay \$6,934,000 for its share of the McCord Road Grade Separation Project, which includes Right-of-way acquisition. The O.D.O.T. Bid amount was \$23,390,949. These amounts are not reflective in the above chart.

PART I COUNTY PROJECTS AWARDED IN 2016

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Site Demo 6538 Salisbury Road as part of Briarfield Blvd. Extension Project	JML	LET 01/06/2016	\$ 372,395	Baumann Enterprises, Inc.	\$ 333,621.00
Centennial Road at Sylvania Avenue Roundabout	KPW	LET 01/27/2016	\$ 1,283,434	Crestline Paving & Excavating Co., Inc.	\$ 1,328,827.08
2016 Culvert Program Culvert #737 Eber Road Project (Bid with Swanton Twp. Culvert #492)	PMO	LET 02/24/16	\$ 143,631	Schoen, Inc.	\$ 112,865.85
Brint Road Bridge #105 Repair	BAZ	LET 03/09/2016	\$ 170,510	Cosmos Comprehensive Construction, Inc.	\$ 128,604.38
Annual Crack Sealing Program (LCE Only) (40 miles)	JSP	LET 03/10/2016	\$ 232,400	Buck Pavement Restoration, LLC	\$ 205,740.00
Briarfield Boulevard Extension	JML	LET 03/23/2016	\$ 545,053	Gerken Paving, Inc.	\$ 549,320.24
2016 OPWC Resurfacing Project I Bancroft Street, Centennial Road, Corduroy Road, Crissey Road, Eber Road, McCord Road, Waterville-Monclova Road (5.22 miles)	JML	LET 04/20/2016	\$ 1,904,464	Gerken Paving, Inc.	\$ 1,558,049.15
Bancroft Street Bridge #93 Replacement Project	BAZ	LET 05/11/2016	\$ 440,000	Vernon Nagel, Inc.	\$ 406,147.35
Annual Microsurfacing Program (6 miles)	JSP	LET 05/18/2016	\$ 347,847	Roadway Services, Inc.	\$ 328,971.12

PART I COUNTY PROJECTS AWARDED IN 2016

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Emulsified Seal Coat Program (4.6 miles)	JSP	LET 05/25/2016	\$ 175,000	Buck Pavement Restoration, LLC	\$ 183,407.74
Concrete Road Repair Project Trade Road, Commerce Road, Geiser Road, & Industrial Road (1.56 miles)	JML	LET 06/08/2016	\$ 837,195	Smith Paving & Excavating	\$ 835,295.30
2016 Annual Resurfacing Program Albon Road, Archbold-Whitehouse Road, Eber Road, Frankfort Road, Sylvania-Metamora Road, Wilkins Road (6.3 miles)	JSP	LET 06/29/2016	\$ 1,926,738	Gerken Paving, Inc.	\$ 1,709,061.80
Annual Traffic Safety Program ~ RPM	KPW	QUOTES 07/06/2016	\$ 24,974	Lake Erie Construction Co.	\$ 24,795.00
Annual Traffic Safety Program ~ Pavement Markings	KPW	QUOTES 07/07/2016	\$ 41,957	A & A Safety, Inc.	\$ 35,623.80
Annual Traffic Safety Program ~ Brint Road @ Centennial Road Traffic Signal	RLM	QUOTES 07/07/2016	\$ 41,921	FET Construction Services, LLC	\$ 48,083.00
2016 OPWC Resurfacing Project II Dutch Road (0.23 miles)	JML	LET 07/20/2016	\$ 101,021	Gerken Paving, Inc.	\$ 92,713.90
Sylvania Avenue Storm Sewer Project	BWM	LET 08/03/2016	\$ 493,800	Proshot Concrete, Inc.	\$ 396,722.00
Providence-Neapolis-Swanton Road Culvert #911	POB	LET 11/23/2016	\$ 245,654	Great Lakes Demolition Co.	\$ 191,184.81

PART I

COUNTY PROJECTS AWARDED IN 2016

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Traffic Safety Program ~ Overhead Sign Supports (2 Locations)	RLM	QUOTES 12/07/2016	\$ 29,580	Lake Erie Construction Co.	\$ 29,575.00
TOTALS			\$9,347,994.00		\$ 8,498,608.52

PART I

CONSTRUCTION FOR 2016

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
2016 OPWC Resurfacing Project (Portions of Stone Oak Subdivision) (Springfield Township)	SLR	LET 01/27/16	\$ 703,150	Gerken Paving, Inc.	\$634,013.77
2016 Culvert Improvement Project (Culvert #492, joint w/ Monclova Twp) (To be bid by LCE) (Swanton Township)	SLR/PMO	LET 02/24/16	\$ 62,999	Schoen, Inc.	\$ 40,515.50
2016 Road Improvement Project (LaPlante Road & Marchester Drive) (Monclova Township)	SLR	LET 02/25/16	\$ 541,870	Bowers Asphalt & Paving	\$538,070.50
N. Jerome Bike Path-Monclova Road to Technology Drive. (Monclova Township)	RLM	LET 02/25/16	\$ 198,176	Geddis Paving & Excavating	\$153,063.25
Annual Crack Seal Project Bid w/ LCE (Monclova Township)	JSP	LET 03/10/16	\$ 35,200	Buck Brothers Asphalt	\$ 35,200.00
Annual Crack Seal Project Bid w/ LCE (Jerusalem Township)	JSP	LET 03/10/16	\$ 22,000	Buck Brothers Asphalt	\$ 21,320.00
Brandyway Lane Resurfacing (To be bid by LCE w/ Briarfield Blvd. Ext.) (Monclova Township)	SLR	LET 03/23/16	\$ 41,465	Gerken Paving, Inc.	\$42,181.40
2016 OPWC Resurfacing Project (Woodstream West Subdivision, Jolly Dr, Inland Dr, Honora Dr, & Santa Barbara Dr) (Sylvania Township)	SLR	LET 04/26/16	\$ 417,167	Bowers Asphalt & Paving	\$388,459.95

PART I

CONSTRUCTION FOR 2016

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Bailey Road Reclamation Project (Providence Township)	SLR	LET 05/12/16	\$ 354,156	Bowers Asphalt & Paving	\$368,839.55
Silica Road Microsurfacing Project Bid w/ LCE (Sylvania Township)	SLR/JSP	LET 05/18/16	\$ 62,747	Roadway Services, Inc.	\$64,782.82
Annual Microsurfacing Project Bid w/ LCE (Monclova Township)	SLR/JSP	LET 05/18/16	\$ 36,699	Roadway Services, Inc.	\$29,716.00
Annual Microsurfacing Project Bid w/ LCE (Springfield Township)	SLR/JSP	LET 05/18/16	\$ 8,359	Roadway Services, Inc.	\$6,887.20
Eber Road Reclamation Project (To be bid by LCE) (Spencer Township)	SLR	LET 06/29/16	\$ 467,329	Crestline Paving & Exc.	\$479,757.83
2016 Emulsified Seal Coat Project (Murd Road and Lathrop Road) (Richfield Township)	SLR	QUOTES 07/05/16	\$ 44,396	DG Slurry Seal of Toledo	\$36,715.80
Bailey Road Culvert #992 (Providence Township)	PMO/SLR	LET 07/14/16	\$ 79,096	Great Lakes Demolition Company	\$61,798.33
2016 Resurfacing Project (Webster, Roberts, Carter, Marshall, Rudyard, Merriman, McLain, Westminster, Davenport & South Republic) (Sylvania Township)	SLR	LET 07/26/16	\$ 307,164	Gerken Paving, Inc.	\$309,606.95

PART I

CONSTRUCTION FOR 2016

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Township Hall Parking Lot Improvement (Monclova Township)	SLR/ATP	MOVED TO 2017	\$ 195,000		
TOTALS			\$ 3,576,973		\$3,210,928.85

PART II

CONSTRUCTION FOR 2017

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Crack Seal Program (LCE only) (26 miles)	JSP	1 st Quarter	\$ 150,000		
Annual Bridge Repair Program Brint Road Bridge #105	BAZ	1 st Quarter	\$ 100,000		
2017 OPWC Resurfacing Project I Bancroft Street, Monclova Road, & Sylvania Avenue (1.1 miles)	JML	2 nd Quarter	\$ 753,000		
Annual Microsurfacing Program (3.1 miles)	JSP	2 nd Quarter	\$ 230,000		
Annual Emulsified Seal Coat Program (7.7 miles)	JSP	2 nd Quarter	\$ 382,000		
Sylvania-Metamora Road: Multi-Use Path Project	DJP/RLM	2 nd Quarter	\$ 391,000		
Angola Road Bridge #551 Replacement Project	BAZ	2 nd Quarter	\$ 350,000		
Annual Traffic Safety Program ~ RPM	RLM	2 nd Quarter	\$ 50,000		
Annual Traffic Safety Program ~ Pavement Markings	RLM	2 nd Quarter	\$ 87,000		
Annual Traffic Safety Program ~ Traffic Signal	RLM	2 nd Quarter	\$ 40,000		

PART II

CONSTRUCTION FOR 2017

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
2017 Annual Resurfacing Program Archbold-Whitehouse Road, Finzel Road, Heller Road, Monclova Road, Neowash Road & Richfield Center Road (6.9 miles)	JSP	2 nd Quarter	\$ 1,616,000		
2017 OPWC Resurfacing Project II Holland-Sylvania Road, Sylvania Avenue, & Sylvania-Metamora Road (3.2 miles)	JML/DJP	3 rd Quarter	\$ 1,260,000		
Old State Line Road Resurfacing Project (1.98 miles)	JML	4 th Quarter	\$ 672,000		
TBD Culvert Project	PMO	4 th Quarter	\$ 100,000		
TBD Storm Sewer Project	BWM	4 th Quarter	\$ 128,000		
TOTALS			\$ 6,309,000		

PART II CONSTRUCTION FOR 2017

TO BE BID BY TOWNSHIPS ~ DESIGN & INSPECTION PERFORMED BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
2017 OPWC Resurfacing Project ~ St. James Woods (Chriswood, Queen Annes, Knightswood, Cheshire Woods, Perivale Park, Parliament Square, Stonebridge, Dunstons, Wimbleton Park, Jamesford Dr) (Sylvania Township)	SLR	1/31/2017	\$ 329,311		
Township Hall Parking Lot Improvement (Monclova Township)	SLR/ATP	1Q2017	\$ 227,679		
Noward Road Reclamation Project (Waterville Township)	SLR	1Q2017	\$ 892,000		
2017 Road Improvement Project (LaPlante Road & Blackstone Subdivision) (Monclova Township)	SLR	1Q2017	\$ 713,000		
Oak Terrace Subdivision & Bemis Ln. Resurfacing (Spencer Township)	SLR/PMO	1Q2017	\$ 522,400		
Annual Crack Seal Project Bid w/ LCE (Monclova Township)	JSP	1Q2017	\$ 35,000		

PART II CONSTRUCTION FOR 2017

TO BE BID BY TOWNSHIPS ~ DESIGN & INSPECTION PERFORMED BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Crack Seal Project Bid w/ LCE (Jerusalem Township)	JSP	1Q2017	\$ 15,000		
Annual Crack Seal Project Bid w/ LCE (Springfield Township)	JSP	1Q2017	\$ 30,000		
Annual Crack Seal Project Bid w/ LCE (Sylvania Township)	JSP	1Q2017	\$ 75,000		
2017 Resurfacing Project (Woodlake Dr, Woodbrook Dr, Woodmeadow Dr, Meadowlake Dr, Fairbanks Dr, Fantasy Dr) (Sylvania Township)	SLR	2Q2017	\$ 305,500		
Annual Microsurfacing Project Bid w/ LCE (Monclova Township)	SLR/JSP	2Q2017	\$ 30,000		
Veler Road Resurfacing (Jerusalem Township)	SLR	3Q2017	\$ 104,000		
Bunting Road Chip Seal Project (Jerusalem Township)	SLR	3Q2017	\$ 35,221		

PART II CONSTRUCTION FOR 2017

TO BE BID BY TOWNSHIPS ~ DESIGN & INSPECTION PERFORMED BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Harriet Road and Berkey Road Resurfacing (Spencer Township)	SLR	3Q2017	\$ 218,000		
2017 Road Improvement Project (Wolf Creek Executive Park) (Springfield Township)	SLR	3Q2017	\$ 177,000		
		TOTALS	\$ 3,709,111		

PART II

2017

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS</u>	
Angola Road Bridge #551 Replacement - BAZ over Drennan Ditch	\$ 350,000
Annual Bridge Repair Program – BAZ Brint Road Bridge #105 – Phase II	\$ 100,000
	<hr/>
Total 2017 Bridge Repair & Replacement	\$ 450,000
 <u>ROADWAY PRESERVATION/SAFETY PROJECTS:</u>	
2017 Annual Resurfacing Program	\$ 1,616,000
Archbold-Whitehouse Road (PNS Road to Jeffers Road)	
Finzel Road (Neapolis-Waterville Rd. to 1.28 mi. (N) of Neapolis-Waterville Rd.)	
Heller Road (Doran Road to Neapolis-Waterville Road)	
Monclova Road (Whitehouse-Spencer Road to Eber Road)	
Neowash Road (S.R. 295 to Schadel Road)	
Richfield-Center Road (U.S. 20 to Sylvania Avenue)	
6.9 miles – JSP	
 2017 OPWC Resurfacing Project, PH. II	 \$ 1,260,000
Holland-Sylvania Road (0.20 mi. to 0.158 (S) of Sylvania Avenue)	
Sylvania Avenue (Kilburn Road to Michaw Road)	
Sylvania-Metamora Road (Gibbs Road to Mitchaw Road)	
3.20 miles – JML/DJP	

PART II

2017

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (CONTINUED):</u>	
2017 OPWC Resurfacing Project, PH. I	\$ 753,000
Bancroft Street (Wilford Road to City of Toledo Limits)	
Monclova Road (Waterville-Monclova Road to Blystone Valley Drive)	
Sylvania Avenue (Sylvan Woods Drive to Eaglehurst Drive)	
1.10 miles – JML	
Old State Line Resurfacing	\$ 672,000
Fulton-Lucas Road to Wilkins Road	
1.98 miles – JML	
Sylvania-Metamora Road Multi-Use Path	\$ 391,000
RLM/DJP	
Annual Traffic Safety Program	
- Traffic Signal, Pavement Markings and RPM's	\$ 177,000
Locations TBD - RLM	
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Total 2017 Roadway Preservation/ Safety Projects	\$ 4,869,000
<u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program	\$ 150,000
26 miles – JSP	

PART II

2017

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY MAINTENANCE PROJECTS (CONTINUED):</u>	
Annual Emulsified Seal Coat Program 7.7 miles – JSP	\$ 382,000
Annual Microsurfacing Program 3.1 miles – JSP	\$ 230,000
Total 2017 Road Maintenance Projects	\$ 762,000
 <u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- Storm Sewer Project – TBD	\$ 128,000
- Culvert Project – TBD	\$ 100,000
BWM/PMO	
Total 2017 Culvert/Drainage Projects	\$ 228,000
 2017 Anticipated Construction	 \$ 6,309,000

PART III

FORECAST FOR 2018

LET BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Annual Crack Sealing Program (LCE only) (25 miles)	JSP	1 st Quarter	\$ 150,000
Annual Bridge Repair Program – TBD Perrysburg-Holland Road Bridge #584	BAZ	1 st Quarter	\$ 100,000
2018 OPWC Resurfacing Project Centennial Road, Frankfort Road, Hill Avenue, McCord Road, Monclova Road & Technology Drive (3.25 miles)	JML	2 nd Quarter	\$ 1,156,000
Annual Microsurfacing Program (5.5 miles)	JSP	2 nd Quarter	\$ 345,000
Annual Emulsified Seal Coat Program (6 miles)	JSP	2 nd Quarter	\$ 270,000
McCord Road Resurfacing includes Hill Avenue Intersection (1.20 miles)	SLR	2 nd Quarter	\$ 807,000
Garden Road Bridge #283 Replacement Project	BAZ	2 nd Quarter	\$ 250,000
Annual Traffic Safety Program – RPM	RLM	2 nd Quarter	\$ 40,000
Annual Traffic Safety Program – Pavement Markings	RLM	2 nd Quarter	\$ 25,000
Annual Traffic Safety Program – Guardrail	DJP	2 nd Quarter	\$ 140,000
2018 Annual Resurfacing Program Centennial Road, Lathrop Road, Monclova Road, Providence-Neapolis-Swanton Road, & Stitt Road (4.00 Miles)	JSP	2 nd Quarter	\$ 1,172,000

PART III

FORCAST FOR 2018

LET BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
TBD Culvert Project	PMO	4 th Quarter	\$ 150,000
TBD Storm Sewer Project	BWM	4 th Quarter	\$ 155,000
		TOTALS	\$ 4,760,000

PART III

FORECAST FOR 2018

TO BE BID BY TOWNSHIPS ~ DESIGN & INSPECTION PERFORMED BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
2018 OPWC Road Improvement Project (Fair Hills Subdivision and Corey Woods Subdivision Plat 2 & 3) (Sylvania Township)	SLR	1 st Quarter	\$ 833,000
2018 Resurfacing Project (Black Road & Blystone Valley Subdivision) (Monclova Township)	SLR	1 st Quarter	\$ 460,500
2018 OPWC Road Improvement Project (Geiser Road, Long Meadow Drive, Hidden View Drive, Fountain Drive, Spring Cove Lane & Spring Haven Drive) (Sylvania Township)	SLR	1 st Quarter	\$ 494,500
Schwamberger Road Reclamation Project (Spencer Township)	SLR	2 nd Quarter	\$ 563,500
Miller Road Resurfacing Project (Pending OPWC Small Government Application) (Richfield Township)	SLR	2 nd Quarter	\$ 179,000
Township Hall Parking Lot Improvement (Sylvania Township)	SLR	2 nd Quarter	\$ TBD
TOTALS			\$ 2,530,500

PART III

2018

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS</u>	
Garden Road Bridge #283 Replacement - BAZ over Wiregrass Ditch	\$ 250,000
Annual Bridge Repair Program – BAZ Perrysburg-Holland Road Bridge #584	\$ 100,000
	<hr/>
Total 2018 Bridge Repair & Replacement	\$ 350,000

ROADWAY PRESERVATION/SAFETY PROJECTS:

2018 Annual Resurfacing Program	\$ 1,172,000
Centennial Road (Hill Avenue to Nebraska Avenue)	
Lathrop Road (Old State Line Road to Frankfort Road)	
Monclova Road (Blystone Valley Drive to Strayer Road)	
Providence-Neapolis-Swanton Road (Mohler Road to Main Street)	
Stitt Road (Russell Road to River Road)	
4.0 miles – JSP	

2018 OPWC Resurfacing Program	\$ 1,156,000
Centennial Road (Nebraska Avenue to 0.03 mile south of Dorr Street)	
Frankfort Road (Irwin Road to Crissey Road)	
Hill Avenue (Crissey Road to Centennial Road)	
McCord Road (Central Avenue to 0.07 mile (N) of Woodlake Drive)	
Monclova Road (Lose Road to Waterville-Monclova Road)	
Technology Drive (0.03 mile east of N. Jerome Road to US 20A)	
3.25 miles – JML	

PART III

2018

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (CONTINUED):</u>	
McCord Road Resurfacing includes Hill Avenue Intersection 1.20 miles – SLR	\$ 807,000
Annual Traffic Safety Program - Guardrail, Pavement Markings and RPM's Locations TBD – RLM/DJP	\$ 205,000
	<hr/>
Total 2018 Roadway Preservation/ Safety Projects	\$ 3,340,000
 <u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program 25 miles – JSP	\$ 150,000
Annual Emulsified Seal Coat Program 6.0 miles – JSP	\$ 270,000
Annual Microsurfacing Program 5.5 miles – JSP	\$ 345,000
	<hr/>
Total 2018 Road Maintenance Projects	\$ 765,000

PART III

2018

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- Storm Sewer Project – TBD	\$ 155,000
- Culvert Replacement – TBD	\$ 150,000
BWM/PMO	
Total 2018 Culvert/Drainage Projects	\$ 305,000
2018 Anticipated Construction	\$ 4,760,000

PART IV

CONSTRUCTION FORECAST FOR 2019

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Holland-Sylvania Road & North Curtice Road Resurfacing Project	JML	1 st Quarter	\$ 2,446,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 100,000
Sylvania Avenue Resurfacing	SLR	2 nd Quarter	\$ 2,220,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 350,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 50,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 2,200,000
Raab Road Bridge #264 Replacement	BAZ	2 nd Quarter	\$ 400,000
Providence-Neapolis-Swanton Road Bridge #975 Replacement	BAZ	3 rd Quarter	\$ 480,000
Total			\$ 8,246,000

PART IV

CONSTRUCTION FORECAST FOR 2020

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Monclova Road @ Weckerly Road Roundabout	RLM	1 st Quarter	\$ 860,000
Lathrop Road Bridge #73 Replacement	BAZ	1 st Quarter	\$ 250,000
McCord Road Resurfacing	SLR	1 st Quarter	\$ 500,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 150,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 350,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 100,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 3,500,000
		Total	\$ 5,710,000

PART IV

CONSTRUCTION FORECAST FOR 2021

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
McCord Road / Bancroft Street Intersection	SLR	1 st Quarter	\$ 565,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 150,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 350,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 250,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 3,140,000
Albon Road @ Salisbury Road Roundabout	KPW	3 rd Quarter	\$ 800,000
Kilburn Road Paved Berms	RLM/KPW	3 rd Quarter	\$ 2,480,000
Total			\$ 7,735,000

PART IV

CONSTRUCTION FORECAST FOR 2022

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Brint Road @ Centennial Road Roundabout	RLM	1 st Quarter	\$ 1,206,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 250,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 350,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 250,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 4,500,000
Total			\$ 6,556,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2017 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2019 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS (2019-2022):</u>	
Annual Bridge Repair Program: BAZ	
Others to be determined 2019, 2020, 2021 & 2022	\$ 650,000
Annual Bridge Replacement Projects: BAZ	
Raab Road Bridge No. 264 over Frankfort Ditch – 2019	Design Underway \$ 400,000
Providence-Neapolis-Swanton Road Bridge No. 975 over Harris Creek – 2019	Design Underway \$ 480,000
Lathrop Road Bridge No. 73 over Langenderfer Ditch – 2020	Design Underway \$ 250,000
	Total Bridge Repair and Replacement Projects
	\$ 1,780,000
<u>MAJOR ROADWAY IMPROVEMENT PROJECTS (2019 - 2022)</u>	
Monclova Road at Weckerly Road Roundabout – 2020 RLM/KPW	\$ 860,000
Albon Road at Salisbury Road Roundabout – 2021 KPW	\$ 800,000
Brint Road at Centennial Road Roundabout – 2022 KPW	\$ 1,206,000
	Total Major Roadway Improvement Projects
	\$ 2,866,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2017 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2019 AND BEYOND

PROJECT AND LOCATION	ESTIMATED CONSTRUCTION COST
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (2019-2022):</u>	
Annual Road Resurfacing and Sealing Programs Locations to be determined TBD miles – Sealing 38 miles/year (average) TBD miles - Resurfacing 10 miles/year (average) JML/JSP Budget Allocations	\$ 21,551,000
Traffic Safety Program - RPM, Pavement Markings, Signal Upgrades and Guardrail Repair/Replace Locations to be determined RLM/DJP Budget Allocations	\$ 650,000
Total Roadway Preservation Projects	
\$ 22,201,000	
 <u>CULVERT / DRAINAGE PROJECTS (2019-2022):</u>	
- Locations to be determined Budget Allocations BWM/PMO/BAZ	\$ 1,400,000
 TOTAL	
Projects under design or to be initiated for design in 2017	
\$ 28,247,000	

PART V

STORM WATER UTILITY

In 2004 Lucas County was named as a Phase II community small Ms4 by the Ohio EPA. Also the Townships of Jerusalem, Monclova, Spencer, Springfield, Sylvania, Washington, and Waterville were named as small Ms4s. To meet the requirements of the *Clean Water Act* (CWA) the communities formed a storm water coalition. The coalition funded a T.M.A.C.O.G. program that helped meet some of the CWA requirements. The Lucas County Engineer's Office (LCE) was using staff time and resources to try and meet the minimum requirements of the permit. As time went on the Engineer's Office was putting more time and resources to meet the permit requirements and falling behind on their own road drainage projects. The Board of Lucas County Commissioners decided to form a committee to decide if a Storm Water Utility (SWU) should be formed to address the requirements of the CWA. The committee decided this was the best option and should also have a component to do drainage improvements to keep cost down. The intent is to use half the money to meet CWA requirements and the other half to do drainage improvements with water quality in mind.

Monies were collected in summer of 2012 for the SWU and projects began 2013. Listed are the 2015 completed projects along with forecasted projects for 2016 and 2017. Now the Townships and Lucas County do about \$100,000 of drainage improvements in house.

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2016

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Sylvania Avenue & Centennial Road Roundabout Project (Sylvania Township)	KPW	LET 02/03/16	\$ 100,000	Crestline Paving & Excavating	\$ 100,000
La Plante Rd Drainage Improvement (to bid w/ Pavement Project) (Monclova Township)	BWM/SLR	LET 02/25/16	\$ 230,805	Bowers Asphalt & Paving	\$ 210,406
South Street Drainage Improvement (Springfield Township)	BWM	1 st Quarter	\$ 60,000	Schoen, Inc.	\$ 52,120.50
C.B. Work with 2015 Resurfacing Project (Springfield Township)	BWM/SLR	1 st Quarter	\$ 7,500	Bowers Asphalt & Paving	\$ 6,872.15
Manoa Storm Sewer Extension (Sylvania Township)	BWM	1 st Quarter	\$ 15,000	Township Forces	\$ 12,404.57
Huntington Road Drainage Improvement (Sylvania Township)	BWM	1 st Quarter	\$ 145,000	Schoen, Inc.	\$ 99,344.14

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2016

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Coder Road Drainage (Monclova Township)	BWM	1 st Quarter	\$ 15,000	Allterior Builders	\$ 11,300
Fenwyck Road Drainage Improvement (Monclova Township)	BWM	1 st Quarter	\$ 29,000	PHC, Inc.	\$ 20,638
Bono Ditch Project (Jerusalem Township)	BWM	1 st Quarter	\$ 4,000	Burkhart & Sons, Inc.	\$ 2,550
Inland, Honora Drainage Improvement (Sylvania Township)	BWM	1 st Quarter	\$ 6,000	Township Forces	\$ 4,459.69
Mobil Boom Sweep Street Sweeping (Washington Township)	BWM	1 st Quarter	\$ 1,500	Mobile Boom Sweep	\$ 950
4628 Cinnamon Lane, Retention Tile Repair (Sylvania Township)	BWM	2 nd Quarter	\$ 4,000	Township Forces	\$ 2,069.58

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2016

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
St. Annes Storm Sewer Repair (Springfield Township)	BWM	2 nd Quarter	\$ 15,000	PHC, Inc.	\$ 11,300
Eber Road Drainage Improvement (to bid w/ Pavement Project) (Spencer Township)	BWM/SLR	2 nd Quarter	\$ 210,000	Crestline Paving & Excavating	\$ 193,819
C.B. Repair Oak Terrace Subdivision (Spencer Township)	BWM	2 nd Quarter	\$ 7,500	PHC, Inc.	\$ 7,400
7421 Annin/Wolf Creek Log Jam (Springfield Township)	BWM	2 nd Quarter	\$ 7,500	PHC, Inc.	\$ 7,240
Dead Tree Removal Bike Trail Ditch (Monclova Township)	BWM	2 nd Quarter	\$ 5,000	T & J Excavating	\$ 5,000
Pumping Cost Cedar Point Road/Corduroy Road (Jerusalem Township)	BWM	2 nd Quarter	\$ 3,000	Geo. Gradel Co.	\$ 1,750

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2016

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Windmill Crossing Detention Pond Improvement (Springfield Township)	BWM	3 rd Quarter	\$ 30,000	Ed Kelly & Sons	\$ 20,846
Kallagher Park Detention Pond Improvement (Springfield Township)	BWM	3 rd Quarter	\$ 35,000	Schoen, Inc.	\$ 27,104
Oak Valley Storm Tap Repair (Springfield Township)	BWM	3 rd Quarter	\$ 7,000	PHC, Inc.	\$ 6,260
Cousino Road Brush Work (Jerusalem Township)	BWM	3 rd Quarter	\$ 13,000	Burkhart & Sons, Inc.	\$ 15,000
Oil Separator Maintenance Garage (Springfield Township)	BWM	4 th Quarter	\$ 20,000	PHC, Inc.	\$ 14,780
GRAND TOTAL			\$ 970,805.00		\$ 833,613.63

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2017

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Peter May Ditch Improvement (Springfield Township)	BWM	1 st Quarter 2017	\$ 90,000
Noward Road Drainage Improvement (Waterville Township) WT	BWM / SLR	1 st Quarter 2017	\$ 160,000
Reed Road Drainage Improvements (Monclova Township)	BWM	1 st Quarter 2017	\$ 240,000
Clarion Avenue Drainage Improvement (Springfield Township)	BWM	2 nd Quarter 2017	\$ 70,000
Geiser Road Drainage Improvement (Springfield Township) SF	BWM	2 nd Quarter 2017	\$ 160,000
LaPlante Road Drainage Improvement (20A to Eber Road) (Monclova Township)	BWM/SLR	2 nd Quarter 2017	\$ 85,000
Ten Mile Creek Drainage Improvement (Sylvania Township)	BWM	3 rd Quarter 2017	\$ 1,400,000
Jerusalem Township Drainage Improvements (Jerusalem Township)	BWM	2017	\$ 40,000

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2017

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Washington Township Drainage Improvements (Washington Township)	BWM	2017	\$ 70,000
Sylvania Township Drainage Improvements (Sylvania Township)	BWM	2017	\$ 50,000
Springfield Township Drainage Improvements (Springfield Township)	BWM	2017	\$ 50,000
GRAND TOTAL			\$2,415,000.00

PART VI

LUCAS COUNTY TRANSPORTATION

IMPROVEMENT DISTRICT (LCTID)

As a result of an Ohio Department of Transportation request to local stakeholders on March 6th of 2014 for a local sponsor to advance potential interchanges along the I-475 corridor, and the input by these local stakeholders at meetings which followed this request, the Lucas County Engineer advanced the formation of a Transportation Improvement District (TID).

On April 22, 2014, the Lucas County Board of County Commissioners created the LCTID. Subsequently, on May 28, 2014, the Ohio Department of Transportation (ODOT) approved the TID registration. A TID is authorized under the *Ohio Revised Code* Chapter 5540 to finance, construct, maintain, repair, and operate street, highway, and other transportation projects, and in relation construct, alter, and repair roads, highways, and other related infrastructure and facilities. The TID enables various political subdivisions to participate and take advantage of the opportunities and benefits made available only through a TID. A TID is particularly effective on regional or multi-jurisdictional projects to deliver these projects in an efficient and cost-effective manner. Generally these improvements are driven by an economic development component.

LCTID Board members and contact information, meeting minutes, and project listings can be found via a link on the Lucas County Engineers website.

Two of the current projects include US 20A at I-475 and Dorr Street at I-475 interchanges. For the US 20A location in 2016, the consultant team led by Arcadis under contract with ODOT, has initiated the engineering plans, completing the survey work and line, grade, & typical design. A Stage 1 plan is expected early in 2017. For the Dorr Street location, the LCTID will lead the design phase, and entered into a contract with a consulting team led by Tetra Tech. The survey work was essentially completed in 2016 and design is underway.

A third project with a more limited role for the LCTID was public roadway and traffic system management improvements to the Briarfield Boulevard, Brandyway Lane, and Salisbury Road intersection in Monclova Township in conjunction with the new location for The Anderson's Inc. headquarters site. This is a joint project with Lucas County. The project was bid, and built in 2016.