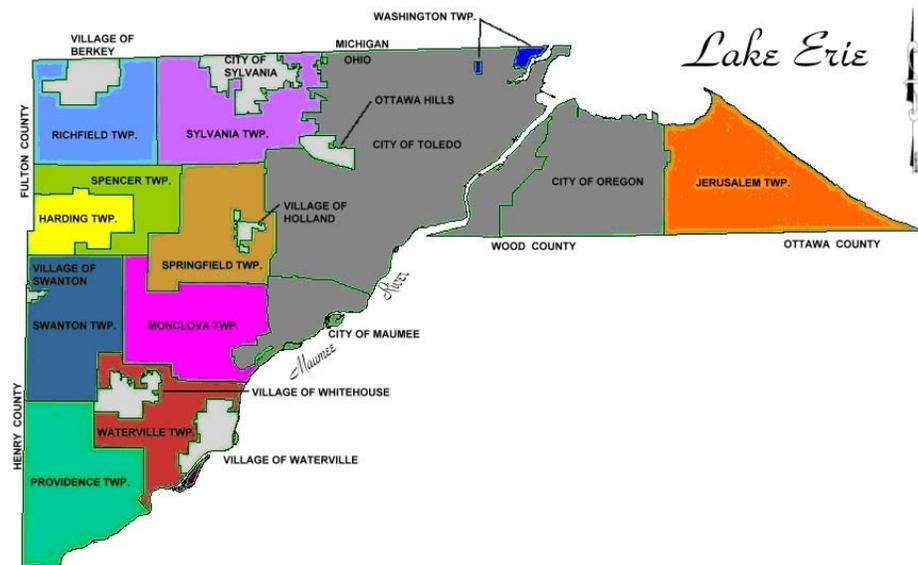


OFFICE OF THE LUCAS COUNTY ENGINEER

5-YEAR CAPITAL IMPROVEMENT PROGRAM 2016 - 2020



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

March 2016

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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 (2016 – 2020)

BASED ON REVENUE PROJECTIONS AND NON-CIP EXPENDITURES

TOTAL 5-YEAR PROGRAM

Construction:	\$ 35,888,948
Other Costs:	<u>\$ 19,656,171</u>
Total C.I.P.	\$ 55,545,119
Total Budget:	\$ 91,508,128

Percentage of Budget allocated to C.I.P. = 60.70%

INFRASTRUCTURE TYPE	2016	2017	2018	2019	2020
Roadway	\$ 7,308,948	\$ 5,572,000	\$ 4,990,000	\$ 6,910,000	\$ 6,510,000
Bridges	\$ 640,000	\$ 450,000	\$ 350,000	\$ 930,000	\$ 350,000
Drainage / Culverts	\$ 465,000	\$ 408,000	\$ 305,000	\$ 350,000	\$ 350,000
TOTAL	\$ 8,413,948	\$ 6,430,000	\$ 5,645,000	\$ 8,190,000	\$ 7,210,000

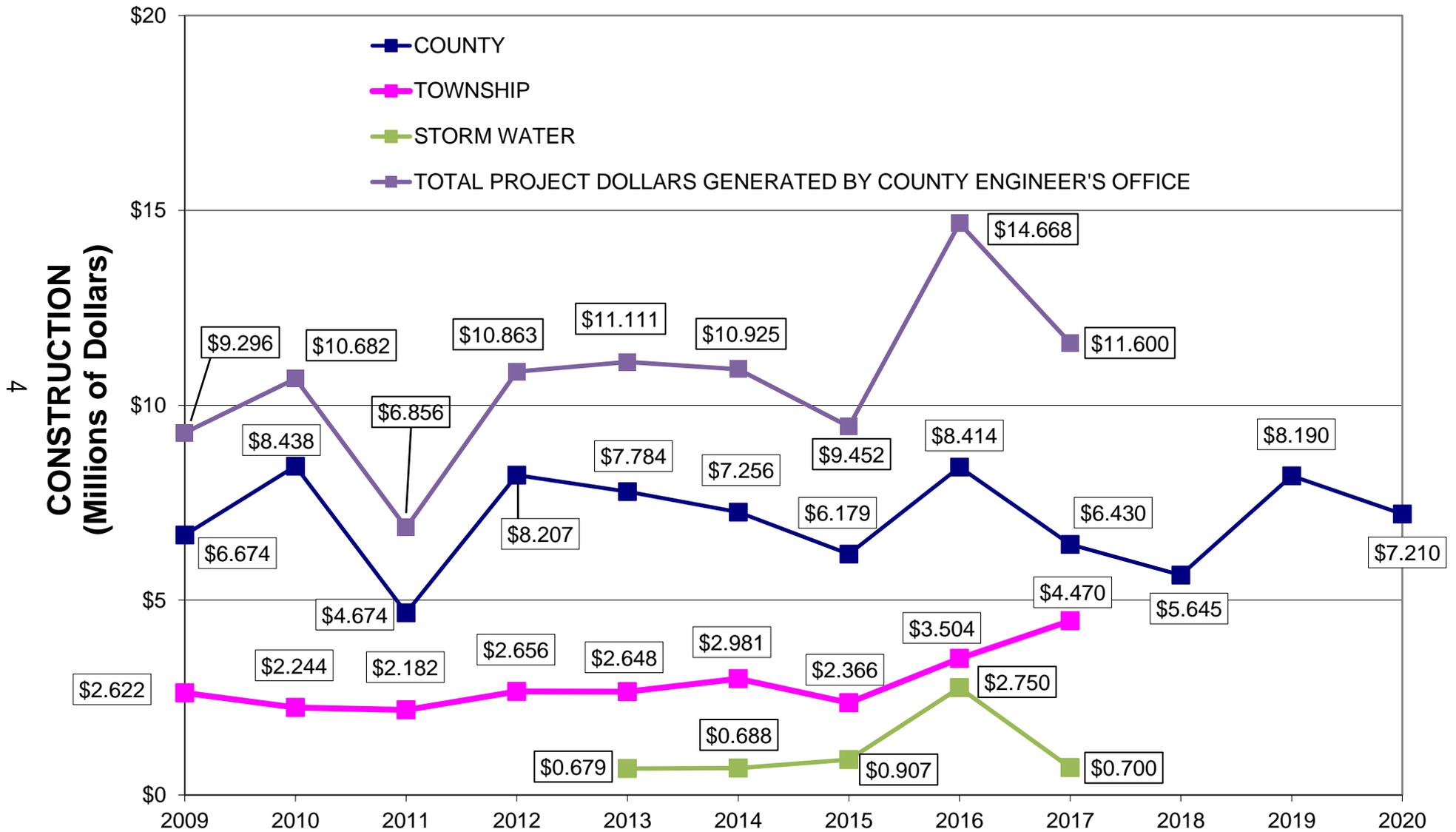
FUNDING SOURCES FOR C.I.P.

License Plate Fees & Gas Tax	\$ 37,821,119	68.09%
OPWC	\$ 7,310,000	13.16%
Federal / O.D.O.T.	\$ 7,660,000	13.79%
Other Local Public Jurisdictions	\$ 2,754,000	4.96%
TOTAL	\$ 55,545,119	100.00%

CONSTRUCTION DOLLAR SUMMARY

2016 Anticipated Construction	\$ 8,413,948
2017 Anticipated Construction	\$ 6,430,000
Projects under design or to be initiated in 2016 and Projects in the Capital Improvement Program under consideration for Construction in 2018 and Beyond	\$ 21,045,000
Grand Total in Anticipated Construction Dollars.....	\$ 35,888,948

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 2015

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Dorr Street @ King Road Roundabout	DJP	LET 02/18/15	\$ 1,105,071	Schoen, Inc.	\$ 833,592.15
Chip Seal Program (8.8 miles)	JSP	LET 02/18/15	\$ 228,829	Henry W. Bergman, Inc.	\$ 245,851.60
Stitt Road @ Waterville Monclova Road Roundabout	RLM	LET 02/25/15	\$ 661,532	Gerken Paving, Inc.	\$ 617,116.95
Washburn Road Bridge #4 Replacement Project	BAZ	LET 03/04/15	\$ 454,037	R.G. Zachrich Construction, Inc.	\$ 433,237.56
Annual Crack Seal Program (LCE only) (26 miles)	JSP	LET 03/04/15	\$ 180,000	WL Markers, Inc.	\$ 215,985.00
Culvert Extension Project #924	PMO	Quotes Due 04/10/15	\$ 30,403	Schoen, Inc.	\$ 22,781.20
2015 OPWC Resurfacing Program Corduroy Road, Dorr Street, Sylvania Metamora Road, Whiteford Road (5.05 miles)	JML	LET 06/03/15	\$ 1,579,450	The Shelly Company	\$ 1,413,120.78
Centennial Road Bridge #543 Replacement Project	BAZ	LET 07/01/15	\$ 400,000	Vernon Nagel, Inc.	\$ 281,853.42
2015 Annual Resurfacing Program Brint Road, Brown Road, Garden Road paved berm, Geiser Road, Stiles Road (5.57 miles)	JSP	LET 07/01/15	\$ 1,310,000	Gerken Paving, Inc.	\$ 1,251,782.50

PART I

COUNTY PROJECTS AWARDED IN 2015

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Emulsified Seal Coat Program (6.2 miles)	JSP	LET 07/01/15	\$ 259,000	Roadway Services, Inc.	\$ 232,431.82
2015 Milling Project	GW	LET 07/01/15	\$ 64,000	Ebony Construction Company, Inc.	\$ 51,925.00
2015 Culvert Program (#280 & #239)	PMO	LET 08/12/15	\$ 113,000	PHC, Inc.	\$ 97,822.40
2015 Microsurfacing Program (4.27 miles)	JSP	LET 08/12/15	\$ 219,000	American Pavements, Inc.	\$ 206,209.00
2015 Guardrail Improvements	DJP	LET 09/02/15	\$ 238,800	Lake Erie Construction	\$ 228,695.00
2015 Raised Pavement Marker Program	KPW	Quotes Due 09/15/15	\$ 34,032	A & A Safety	\$ 25,295.35
2015 Thermoplastic Pavement Markings	KPW	Quotes Due 09/15/15	\$ 28,536	A & A Safety	\$ 20,881.20
Annual Bridge Repair Program Brint Road Bridge # 105	BAZ	Hold to 1Q16	\$ 250,000		
Sylvania Ave Storm Sewer Project	BWM	Hold to 1Q16	\$ 200,000		
		TOTALS	\$7,355,690.00		\$ 6,178,580.93

PART I

CONSTRUCTION FOR 2015

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
2015 Resurfacing Project (Valhalla Subdivision & Stillwater Subdivision) (Monclova Township)	SLR	LET 01/28/15	\$ 438,629	Gerken Paving, Inc.	\$ 413,531.36
2015 OPWC Road Improvements (Nightingale, Wynbrook Farms, The Quarry, The Beach Club at the Quarry, Saw Mill Run & Fox Run Subdivisions) (Springfield Township)	SLR	LET 02/25/15	\$ 780,391	Bowers Asphalt & Paving, Inc.	\$ 697,565.75
Schwamberger Road OPWC Reclamation Project (Joint with Harding Township) (To be bid by LCE) (Spencer Township)	SLR	LET 03/04/15	\$ 356,380	Crestline Paving & Excavating, Inc.	\$ 318,435.20
Annual Crack Seal Project Bid w/ LCE (Monclova Township)	JSP	LET 03/04/15	\$ 33,000	WL Markers, Inc.	\$ 29,500.00
Annual Crack Seal Project Bid w/ LCE (Jerusalem Township)	JSP	LET 03/04/15	\$ 18,000	WL Markers, Inc.	\$ 15,500.00
Annual Crack Seal Project Bid w/ LCE (Harding Township)	JSP	LET 03/04/15	\$ 15,000	WL Markers, Inc.	\$ 12,485.00

PART I

CONSTRUCTION FOR 2015

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
2015 Concrete Repair Project (Sylvania Township)	SLR	LET 05/12/15	\$ 120,464	B & J Concrete & Construction, Inc.	\$ 116,611.25
Van Dyke Resurfacing Project (Jerusalem Township)	SLR	LET 06/23/15	\$ 183,323	Gerken Paving, Inc.	\$ 169,771.55
2015 OPWC Road Improvements (Deer Hollow Subd, Wicklow Woods Subd, Olander West Subd, Pacesetter Blvd, Port Sylvania & Meijer Dr.) (Sylvania Township)	SLR	LET 06/30/15	\$ 465,583	Gerken Paving, Inc.	\$ 418,107.10
2015 Cobblestones Subdivision Resurfacing Project (Cobblestones Plat 2, 4, 5, 6, & 7 & Woodstream West Plat 5) (Sylvania Township)	SLR	LET 06/30/15	\$ 172,521	Gerken Paving, Inc.	\$ 156,200.00
Annual Microsurfacing Project Bid w/ LCE (Monclova Township)	JSP	LET 08/12/15	\$ 20,270	American Pavements	\$ 17,891.76
N. Jerome Bike Path-Monclova Road to Technology Drive (Monclova Township)	RLM	Delayed until 2016			
TOTALS			\$ 2,603,561		\$ 2,365,598.97

PART II

CONSTRUCTION FOR 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 01/06/16	\$ 372,395	Baumann Enterprises, Inc.	\$ 333,621.00
Centennial Road at Sylvania Avenue Roundabout	KPW	LET 01/27/16	\$ 1,283,434	Crestline Paving & Excavating Co., Inc.	\$ 1,328,827.08
Annual Bridge Repair Program Brint Road Bridge #105	BAZ	1 st Quarter	\$ 200,000		
Annual Crack Seal Program (LCE only) (40 miles)	JSP	1 st Quarter	\$ 205,000		
Sylvania Ave Storm Sewer Project	BWM	1 st Quarter	\$ 200,000		
Eber Road Culvert 737 Project (Bid with Swanton Twp Culvert #492)	PMO	1 st Quarter	\$ 65,000		
Briarfield Blvd. Extension	JML	1 st Quarter	\$ 515,000		
Annual Traffic Safety Program ~ Brint Road @ Centennial Road Traffic Signal	RLM	2 nd Quarter	\$ 40,000		
Annual Traffic Safety Program ~ Overhead Sign Supports (2 locations)	RLM	2 nd Quarter	\$ 20,000		
Annual Traffic Safety Program ~ Traffic Signal Holl-Sylv Rd @ Stranahan School	RLM	2 nd Quarter	\$ 30,000		

PART II

CONSTRUCTION FOR 2016

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Traffic Safety Program ~ RPM	RLM	2 nd Quarter	\$ 35,000		
Annual Traffic Safety Program ~ Pavement Markings	RLM	2 nd Quarter	\$ 50,000		
Annual Emulsified Seal Coat Program (4.6 miles)	JSP	2 nd Quarter	\$ 175,000		
Annual Microsurfacing Program (6 miles)	JSP	2 nd Quarter	\$ 320,000		
Bancroft Street Bridge #93 Replacement Project	BAZ	2 nd Quarter	\$ 440,000		
2016 Annual Resurfacing Program Albon Road, Archbold-Whitehouse Road, Eber Road, Frankfort Road, Sylvania-Metamora Road, Wilkins Road (6.3 miles)	JSP	2 nd Quarter	\$ 1,600,000		
2016 OPWC Resurfacing Project I Bancroft Street, Centennial Road, Corduroy Road, Crissey Road, Eber Road, McCord Road, Waterville-Monclova Road (5.22 miles)	JML	2 nd Quarter	\$ 2,050,500		
Concrete Road Repair Project: Trade Road, Commerce Road, Geiser Road, & Industrial Road (1.56 miles)	JML	2 nd Quarter	\$ 500,000		
2016 OPWC Resurfacing Project II Dutch Road (0.23 miles)	JML	3 rd Quarter	\$ 106,000		

PART II

CONSTRUCTION FOR 2016

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
TBD Sewer Project	BWM	3 rd Quarter	\$ 200,000		
		TOTALS	\$ 8,407,329		\$ 1,662,448.08

PART II

CONSTRUCTION FOR 2016

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
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 Township) (To be bid by LCE) (Swanton Township)	SLR/PMO	BID 02/24/16	\$ 62,999		
2016 Road Improvement Project (LaPlante Road & Marchester Drive) (Monclova Township)	SLR	BID 02/25/16	\$ 541,870		
N. Jerome Bike Path-Monclova Road to Technology Drive. (Monclova Township)	RLM	BID 02/25/16	\$ 198,176		
Brandyway Lane (To be bid by LCE w/ Briarfield Blvd. Ext.) (Monclova Township)	SLR/JML	1Q2016	\$ 42,215		
Annual Crack Seal Project Bid w/ LCE (Monclova Township)	JSP	1Q2016	\$ 30,000		

PART II

CONSTRUCTION FOR 2016

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	1Q2016	\$ 20,000		
2016 OPWC Resurfacing Project (Woodstream West Subdivision, Jolly Dr, Inland Dr, Honora Dr, & Santa Barbara Dr) (Sylvania Township)	SLR	1Q2016	\$ 407,000		
Silica Road Microsurfacing Project (To be bid by LCE) (Sylvania Township)	SLR	2Q2016	\$ 55,000		
Annual Microsurfacing Project Bid w/ LCE (Monclova Township)	JSP	3Q2016	\$ 35,000		
Eber Road Reclamation Project (To be bid by LCE) (Spencer Township)	SLR	2Q2016	\$ 477,000		
Bailey Road Reclamation Project (Providence Township)	SLR	2Q2016	\$ 400,000		
2016 Resurfacing Project (Webster, Roberts, Carter, Marshall, Rudyard, Devilbiss Ct, Golf Creek & South Republic) (Sylvania Township)	SLR	3Q2016	\$ 285,000		

PART II

CONSTRUCTION FOR 2016

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
Township Hall Parking Lot Improvement (Monclova Township)	SLR	3Q2016	\$ 195,000		
Bailey Road Culvert #992 (Providence Township)	PMO/SLR	3Q2016	\$ 76,600		
		TOTALS	\$ 3,529,010		\$634,013.77

PART II

2016

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS</u>	
Annual Bridge Repair Program – BAZ Brint Road Bridge #105 over Tenmile Ditch	\$ 200,000
Bancroft Street Bridge #93 Replacement – BAZ over Langenderfer Ditch	\$ 440,000
	<hr/>
Total 2016 Bridge Repair & Replacement	\$ 640,000
 <u>MAJOR ROADWAY IMPROVEMENT PROJECTS:</u>	
Centennial Road at Sylvania Avenue Roundabout 0.27 miles – KPW	\$ 1,328,827
	<hr/>
Total 2016 Major Roadway Improvements	\$ 1,328,827
 <u>ROADWAY PRESERVATION/SAFETY PROJECTS:</u>	
2016 Annual Resurfacing Program Albon Road (Monclova Road to Salisbury Road) Archbold-Whitehouse Road (Yawberg Road to S.R. 295) Eber Road (Monclova Road (E) to 0.64 mi. N of LaPlante Road) Frankfort Road (Dangenfelder Lane to Schwamberger Road) Sylvania-Metamora Road (Washburn Road to Gibbs Road) Wilkins Road (Monclova Road to U.S. 20A) 6.30 miles – JSP	\$ 1,600,000

PART II

2016

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
Dutch Road (0.13 mi. east of Fisher Drive to 0.22 mi. east of Waterville-Monclova Road) 0.23 miles – JML	\$ 106,000
2016 O.P.W.C. Resurfacing Program Bancroft Street (Irwin Road to 0.18 mi. E of Crissey Road) Centennial Road (U.S. 20 to 0.06 mi. south of Sylvania Avenue) Crissey Road (0.03 mi. north of Hill Avenue (E) to Frankfort Road) Corduroy Road (Decant Road to Yondota Road) Eber Road (S.R. 2 to NSRR) McCord Road (0.07 mi. south of Sylvania Avenue to Sylvania Avenue) Waterville-Monclova Road (0.05 mi. north of Stitt Road to Monclova Road) 5.22 miles – JML	\$ 2,050,500
Site Demo @ 6538 Salisbury Road as part of the Briarfield Boulevard Extension JML	\$ 333,621 \$ 515,000
Concrete Road Repair Trade Road, Commerce Road, Geiser Road & Industrial Road 1.56 miles - JML	\$ 500,000
Annual Traffic Safety Program - Traffic Signals, Pavement Markings & Overhead Sign Supports Locations TBD	\$ 175,000
Total 2016 Roadway Preservation/ Safety Projects	\$ 5,280,121

PART II

2016

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program 40.00 miles – JSP	\$ 205,000
Annual Emulsified Seal Coat Program 4.60 miles – JSP	\$ 175,000
Annual Microsurfacing Program 6.00 miles – JSP	\$ 320,000
Total 2016 Road Maintenance Projects	<u>\$ 700,000</u>
 <u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- T.B.D.	\$ 200,000
- Culvert Replacement Project (#737)	\$ 65,000
- Sylvania Avenue Storm Sewer Project	\$ 200,000
BWM/PMO	
Total 2016 Culvert/Drainage Projects	<u>\$ 465,000</u>
2016 Anticipated Construction	\$ 8,413,948

PART III

CONSTRUCTION FOR 2017

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	\$ 140,000
Providence-Neapolis-Swanton Road Culvert #911 Project	PMO	1 st Quarter	\$ 180,000
Annual Bridge Repair Program – TBD Perrysburg-Holland Road Bridge #584	BAZ	1 st Quarter	\$ 100,000
Storm Sewer Project – TBD	BWM	1 st Quarter	\$ 228,000
Sylvania-Metamora Road Multi-Use Path Project	DJP/RLM	1 st Quarter	\$ 411,000
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	\$ 85,000
Annual Traffic Safety Program – Traffic Signal	RLM	2 nd Quarter	\$ 40,000
Annual Microsurfacing Program (3.1 miles)	JSP	2 nd Quarter	\$ 220,000
Annual Emulsified Seal Coat Program (7.7 miles)	JSP	2 nd Quarter	\$ 325,000
2017 Annual Resurfacing Program Archbold-Whitehouse Road, Finzel Road, Heller Road, Hill Avenue, Neowash Road, & Richfield- Center Road (6.9 miles)	JSP	2 nd Quarter	\$ 1,616,000

PART III

CONSTRUCTION FOR 2017

LET BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
2017 OPWC Resurfacing Project I Holland-Sylvania Road, Sylvania Avenue & Sylvania-Metamora Road (3.2 miles)	JML	3 rd Quarter	\$ 1,260,000
2017 OPWC Resurfacing Project II Bancroft Street, Monclova Road & Sylvania Avenue (1.1 miles)	JML	3 rd Quarter	\$ 753,000
Old State Line Road Resurfacing Project (1.98 miles)	JML	3 rd Quarter	\$ 672,000
		TOTALS	\$ 6,430,000

PART III

CONSTRUCTION FOR 2017

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

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Noward Road Reclamation Project (Waterville Township)	SLR	1 st Quarter	\$ 892,000
2017 Road Improvement Project (LaPlante Road & Blackstone Subdivision) (Monclova Township)	SLR	1 st Quarter	\$ 713,000
Oak Terrace Subdivision & Bemis Lane Resurfacing (Spencer Township)	SLR	1 st Quarter	\$ 522,400
2017 Road Improvement Project (Geiser Road, Hidden Meadows & Wolf Creek Executive Park) (Springfield Township)	SLR	1 st Quarter	\$ 572,000
2017 OPWC Resurfacing Project ~ St. James Woods Subdivision (Chriswood, Queen Annes, Knightswood, Chesire Woods, Perivale Park, Parliament Square, Stonebridge, Dunstons, Wimbledon Park, Jamesford Drive) (Sylvania Township)	SLR	1 st Quarter	\$ 360,000
TOTALS			\$ 3,059,400

PART III

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 Perrysburg-Holland Road Bridge #584	\$ 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)	
Hill Avenue (Crissey Road to Centennial 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. I	\$ 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 III

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. II 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	\$ 753,000
Old State Line Resurfacing Fulton-Lucas Road to Wilkins Road 1.98 miles – JML	\$ 672,000
Sylvania-Metamora Road Multi-Use Path RLM/DJP	\$ 411,000
Annual Traffic Safety Program - Traffic Signal, Pavement Markings and RPM's Locations TBD - RLM	\$ 175,000
	<hr/>
Total 2017 Roadway Preservation/ Safety Projects	\$ 4,887,000
<u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program 25 miles – JSP	\$ 140,000

PART III

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	\$ 325,000
Annual Microsurfacing Program 3.1 miles – JSP	\$ 220,000
Total 2017 Road Maintenance Projects	<u>\$ 720,000</u>
 <u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- Storm Sewer Project – TBD	\$ 228,000
- Culvert Replacement - #911 Culvert PNS Road	\$ 180,000
BWM/PMO	
Total 2017 Culvert/Drainage Projects	<u>\$ 408,000</u>
2017 Anticipated Construction	\$ 6,430,000

PART IV

CONSTRUCTION FORECAST FOR 2018

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Garden Road Bridge #283 Replacement	BAZ	1 st Quarter	\$ 250,000
McCord Road Resurfacing	SLR	1 st Quarter	\$ 740,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 150,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 305,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 100,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 4,100,000
Total			\$ 5,645,000

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	\$ 2,600,000
Providence-Neapolis-Swanton Road Bridge #975 Replacement	BAZ	1 st Quarter	\$ 480,000
Sylvania Avenue Resurfacing	SLR	1 st Quarter	\$ 2,220,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 100,000
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	\$ 1,990,000
Raab Road Bridge #264 Replacement	BAZ	2 nd Quarter	\$ 400,000
		Total	\$ 8,190,000

PART IV

CONSTRUCTION FORECAST FOR 2020

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Kilburn Road Paved Berms	RLM	1 st Quarter	\$ 1,550,000
Monclova Road @ Weckerly Road Roundabout	RLM	1 st Quarter	\$ 800,000
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	\$ 3,510,000
Total			\$ 7,210,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2016 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2018 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS (2018-2020):</u>	
Annual Bridge Repair Program: BAZ	
Others to be determined 2018, 2019, & 2020	\$ 250,000
Annual Bridge Replacement Projects: BAZ	
Garden Road Bridge No. 283 over Wiregrass Ditch – 2018	Design Underway \$ 250,000
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
	<hr/>
Total Bridge Repair and Replacement Projects	\$ 1,630,000
<u>MAJOR ROADWAY IMPROVEMENT PROJECTS (2018 - 2020)</u>	
Monclova Road at Weckerly Road Roundabout – RLM	\$ 800,000
	<hr/>
Total Major Roadway Improvement Projects	\$ 800,000

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 2015

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Schwamberger Road Drainage Improvements (Spencer Township)	BWM	1 st Quarter	\$ 55,000	Crestline Paving & Excavating Co., Inc.	\$ 51,433.00
Blue Creek Log Jam (Heilmann Property) (Waterville Township)	BWM	1 st Quarter	\$ 7,500	PHC, Inc.	\$ 7,150.00
Culvert Connection Van Dyke & Rialto (Jerusalem Township)	BWM	1 st Quarter		Burkhart & Sons	\$ 4,870.00
Various Drainage Improvements and Van Dyke Road (Jerusalem Township)	BWM	2 nd Quarter	\$ 49,990	Burkhart & Sons	\$ 49,964.20
Blue Creek Log Jam (AT & T Property) (Waterville Township)	BWM	2 nd Quarter	\$ 7,500	PHC, Inc.	\$ 7,425.00

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2015

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Camera Inspection (Washington Township)	BWM	2 nd Quarter		Alternative Plumbing Plus	\$ 200.00
Branch of Butler Ditch (Spencer Township)	BWM	2 nd Quarter	\$ 24,000	Burkhart & Sons	\$ 21,700.00
Catch Basin Repairs (Spencer Township)	BWM	2 nd Quarter	\$ 20,000	PHC, Inc.	\$ 14,890.00
Swan Creek Log Jam 7105 Maumee-Western Road (Monclova Township)	BWM	2 nd Quarter		PHC, Inc.	\$ 7,250.00
Jolly, Inland & Honora Drainage Improvement (Sylvania Township)	BWM	3 rd Quarter	\$ 389,711	Zee Construction, Inc.	\$ 338,065.00

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2015

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Kallagher Park Ditch Cleanout (Springfield Township)	BWM	3 rd Quarter	\$ 193,161	George Gradel Co.	\$ 190,363.75
Coder Road Drainage Improvement (Monclova Township)	BWM	3 rd Quarter	\$ 172,642	Paschal Bihn	\$ 144,925.30
Manhole & Catch Basin Repairs (Washington Township)	BWM	3 rd Quarter		Monroe Asphalt Co.	\$ 8,450.00
Coder Road Drainage Work, PH 1 (Monclova Township)	BWM	4 th Quarter		Allterior Builders	\$ 7,200.00
Coder Road Drainage Work, PH 2 (Monclova Township)	BWM	4 th Quarter		Allterior Builders	\$ 4,100.00

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2015

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Stillwater Boulevard Rear Yard Conduit & Catch Basin Work (Monclova Township)	BWM	4 th Quarter		PHC, Inc.	\$ 5,870.00
Log Jam Swan Creek (Monclova Township)	BWM	4 th Quarter		PHC, Inc.	\$ 7,100.00
Log Jam Swan Creek (Monclova Township)	BWM	4 th Quarter		PHC, Inc.	\$ 7,400.00
Drainage Improvements - 2014 Street Sweeping - 2014 Street Vac Hauling - Harvest Ditch Vegetation Control - Heldman Ditch Vegetation Control (Springfield Township)	BWM			Progressive, Inc. Republic Services Blanchard Tree & Lawn A & N Lawncare	\$ 7,080.00 \$ 8,096.80 \$ 5,275.00 \$ 8,400.00
TOTALS			\$ 919,504		\$ 907,208.05

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2016

To be bid by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
La Plante Road Drainage Improvement (Monclova Township)	BWM/SLR	1 st Quarter	\$ 165,000
South Street Drainage Improvement (Springfield Township)	BWM	1 st Quarter	\$ 60,000
Huntington Road Drainage Improvement (Sylvania Township)	BWM	1 st Quarter	\$ 145,000
Peter May Ditch Improvement (Springfield Township)	BWM	1 st Quarter	\$ 90,000
Clarion Avenue Drainage Improvement (Springfield Township)	BWM	2 nd Quarter	\$ 70,000
Reed Road Drainage Improvements (Monclova Township)	BWM	2 nd Quarter	\$ 240,000
Geiser Road Drainage Improvements (Springfield Township)	BWM	3 rd Quarter	\$ 160,000
Ten Mile Creek Drainage Improvement (Sylvania Township)	BWM	3 rd / 4 th Quarter	\$ 1,400,000
Various Drainage Improvements (Jerusalem Township)	BWM	2016	\$ 40,000

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
Various Drainage Improvements (Springfield Township)	BWM	2016	\$ 50,000
Various Drainage Improvements (Sylvania Township)	BWM	2016	\$ 50,000
Various Drainage Improvements (Washington Township)	BWM	2016	\$ 70,000
Sylvania Avenue & Centennial Road Roundabout Project (Sylvania Township)	KPW	2016	\$ 100,000
GRAND TOTAL			\$ 2,750,000

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
Noward Road Drainage Improvements (Waterville Township)	BWM/SLR	1 st Quarter	\$ 160,000
Eber Road Drainage Improvements (Spencer Township)	BWM/SLR	2 nd Quarter	\$ 110,000
Various Drainage Improvements (Jerusalem Township)	BWM	2017	\$ 40,000
Various Drainage Improvements (Monclova Township)	BWM	2017	\$ 50,000
Various Drainage Improvements (Springfield Township)	BWM	2017	\$ 50,000
Various Drainage Improvements (Sylvania Township)	BWM	2017	\$ 50,000
Various Drainage Improvements (Washington Township)	BWM	2017	\$ 70,000
Heldman Ditch Cleanout (Springfield Township)	BWM	2017	\$ 120,000
Milewski Ditch Cleanout (Monclova Township)	BWM	2017	\$ 76,000
GRAND TOTAL			\$ 699,500

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 Dorr Street at I-475 and US 20A at I-475 interchanges. In 2015, Burgess & Niple, LLC has completed an Alternative Evaluation Report at each location for the LCTID in cooperation with ODOT. This work has led to the initiation of engineering plans. Completion of the environmental and engineering plans through the stage 1 has been initiated by ODOT for the US 20A location. ODOT will lead the design phase for this location with the LCTID as a partner. The consulting team led by Arcadis has been selected and the work is underway. For the Dorr Street location, the LCTID will lead the design phase, a team led by Tetra Tech was selected, and the work has yet to be initiated. The LCTID also was successful in its presentation to TRAC in 2015 for funds (\$1.5 million at US 20A and \$2.3 million at Dorr Street) for State FY 2017 & 2018 to complete the design and right of way for these projects.

A third project with a more limited role for the LCTID contemplates certain public roadway and traffic system management improvements to Briarfield Blvd., 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. In 2015, the right of way acquisition including tenant relocation for the apartment building was completed, the roadway and demolition plans were completed, and proposed signal poles ordered. The proposed roadway work should be constructed by early August of 2016.