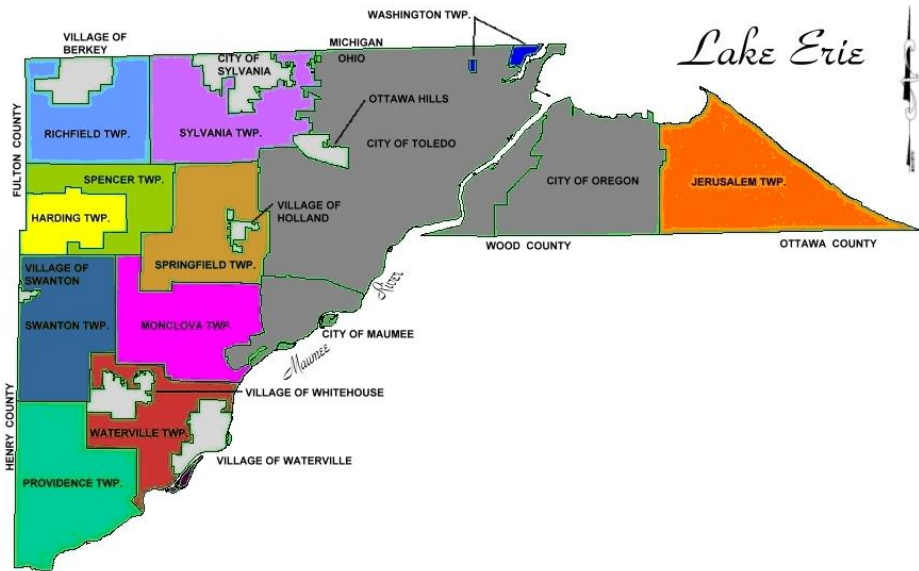


OFFICE OF THE LUCAS COUNTY ENGINEER

6-YEAR CAPITAL IMPROVEMENT PROGRAM 2018 – 2023



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

March 2018

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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
MDP	Michael D. Pniewski, P.E, P.S.	Chief Deputy Engineer	213-2872
JML	Jeffery M. Lohse, P.E.	Chief Design Engineer	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 (2018 – 2023)

BASED ON REVENUE PROJECTIONS AND NON-CIP EXPENDITURES

TOTAL 6-YEAR PROGRAM

Construction:	\$ 45,451,251
Other Costs:	\$ 31,333,043
Total C.I.P.	\$ 76,784,294
Total Budget:	\$ 116,661,312

Percentage of Budget allocated to C.I.P. = 65.82%

INFRASTRUCTURE TYPE	2018	2019	2020	2021	2022	2023
Roadway	\$ 4,901,651	\$ 9,297,700	\$ 8,031,900	\$ 5,225,000	\$ 5,905,000	\$ 6,710,000
Bridges	\$ 550,000	\$ 880,000	\$ 550,000	\$ 300,000	\$ 300,000	\$ 950,000
Drainage / Culverts	\$ 305,000	\$ 350,000	\$ 300,000	\$ 350,000	\$ 200,000	\$ 350,000
TOTAL	\$ 5,751,651	\$10,527,700	\$ 8,881,900	\$ 5,875,000	\$ 6,405,000	\$ 8,010,000

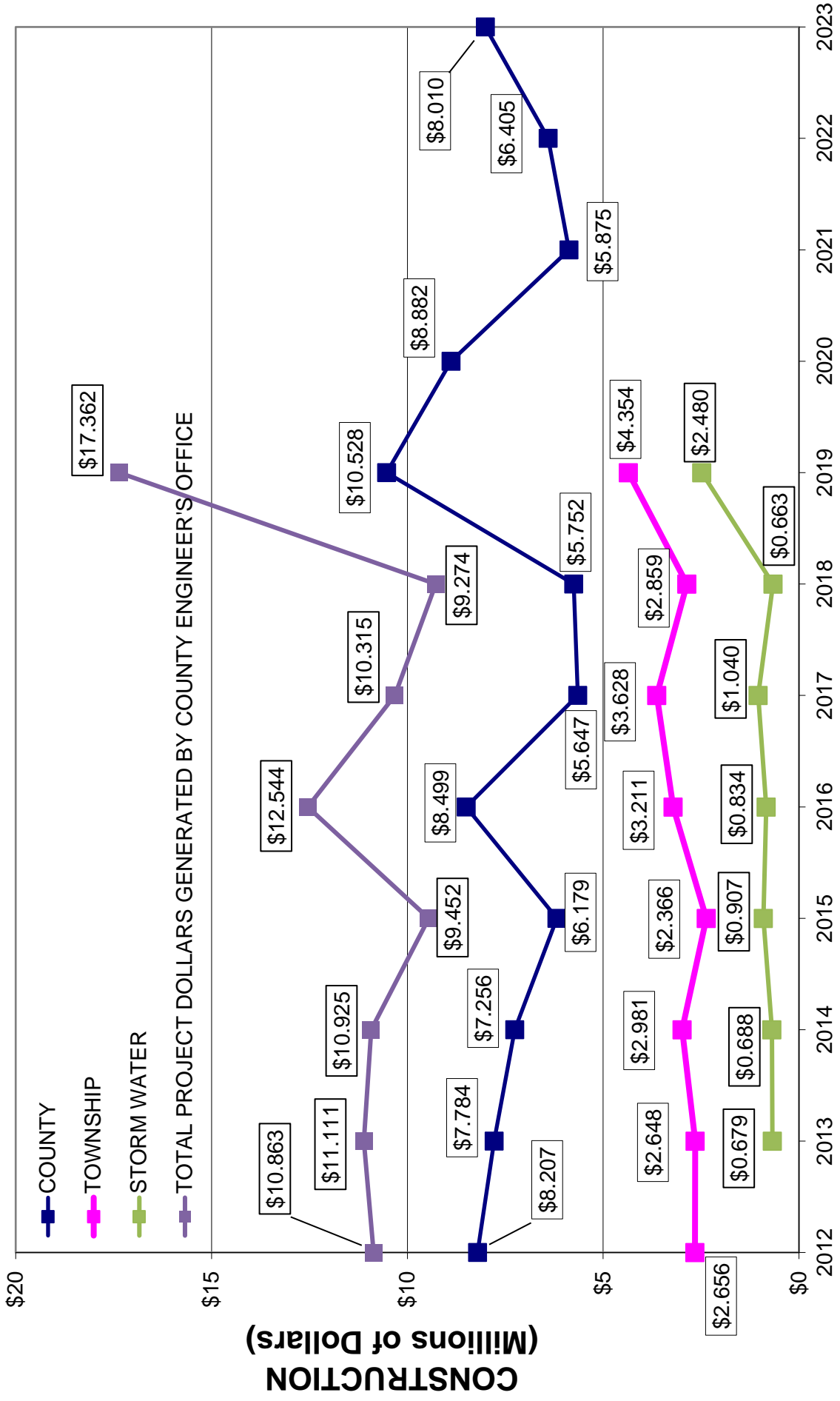
FUNDING SOURCES FOR C.I.P.

License Plate Fees & Gas Tax	\$ 55,819,294	72.70%
OPWC	\$ 10,650,000	13.87%
Federal / O.D.O.T.	\$ 9,035,000	11.77%
Other Local Public Jurisdictions	\$ 1,280,000	1.66%
TOTAL	\$ 76,784,294	100.00%

CONSTRUCTION DOLLAR SUMMARY

2018 Anticipated Construction.....	\$ 5,751,651
2019 Anticipated Construction.....	\$ 10,527,700
Projects under design or to be initiated in 2018 and Projects in the Capital Improvement Program under consideration for Construction in 2020 and Beyond.....	\$ <u>29,171,900</u>
Grand Total in Anticipated Construction Dollars.....	\$ 45,451,251

LUCAS COUNTY ENGINEER AND TOWNSHIP PROJECTS - CONSTRUCTION \$ ONLY



PART I

COUNTY PROJECTS AWARDED IN 2017

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
University Parks Trail – Clearing & Grubbing Quotes	RLM	02/24/17	\$ 35,000	T & J Excavating & Tree Clearing	\$ 34,750.00
Annual Crack Seal Program (LCE Only – 26 miles)	JSP	LET 03/15/17	\$ 166,000	Buck Pavement Restoration	\$ 160,000.00
Holland-Sylvania Road & Stranahan School Traffic Signal Improvement	RLM	LET 03/15/17	\$ 56,700	FET Construction Services	\$ 50,946.00
Sylvania-Metamora Road: Multi-Use Path Project, PID #95671	DJP/RLM	LET 04/12/17	\$ 391,000	Gerken Paving, Inc.	\$ 374,333.00
2017 OPWC Resurfacing Project Bancroft Street, Monclova Road & Sylvania Avenue (1.1 miles)	JML	LET 04/26/17	\$ 635,858	Crestline Paving & Excavating Co., Inc.	\$ 598,670.00
2017 Annual Resurfacing Program Archbold-Whitehouse Road, Finzel Road, Heller Road, Hill Avenue, Neowash Road, & Richfield Center Road (6.9 miles)	JSP	LET 05/03/17	\$ 1,882,356	Gerken Paving, Inc.	\$ 1,517,207.00
Sylvania Avenue Sidewalk Project – Quotes	RLM	05/05/17	\$ 50,000	Quinn Concrete	\$ 46,042.75
Brint Road Storm Sewer Replacement – Quotes	BWM	05/08/17	\$ 50,000	Edward Kelly & Sons, Inc.	\$ 37,200.00

PART I

COUNTY PROJECTS AWARDED IN 2017

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Bridge Repair Program (Brint Road Bridge #105)	BAZ	LET 05/31/17	\$ 179,552	Bridge Specialist, Inc.	\$ 151,069.00
Angola Road Bridge #551 Replacement Project	BAZ	LET 05/31/17	\$ 371,160	Geo. Gradel Co.	\$ 329,787.80
Annual Microsurfacing Program (10.72 miles)	JSP	LET 06/07/17	\$ 636,735	Bid Rejected TBA 2018	
2017 OPWC Resurfacing Project II Holland-Sylvania Road, Sylvania Avenue & Sylvania-Metamora Road (3.2 miles)	JML/DJP	LET 07/12/17	\$ 1,260,000	Gerken Paving, Inc.	\$ 1,115,615.75
2017 Thin Overlay Project	JSP	LET 07/12/17	\$ 745,078	Gerken Paving, Inc.	\$ 612,608.35
Old State Line Road Resurfacing Project (1.98 miles)	JML	LET 10/04/17	\$ 672,000	Gerken Paving, Inc.	\$ 589,690.98
Hill Avenue Sanitary Sewer Manhole Repairs – Quotes	JSP	LET 10/06/17	\$ 30,000	PHC, Inc.	\$ 29,245.00
2017 Culvert Program	PMO	LET 11/15/17	\$ 114,986	Geddis Paving & Excavating	\$ 89,383.94
Annual Traffic Safety Program ~ RPM	RLM	2 nd Quarter	\$ 50,000		

PART I

COUNTY PROJECTS AWARDED IN 2017

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Traffic Safety Program ~ Pavement Markings	RLM	2 nd Quarter	\$ 87,000		
Annual Traffic Safety Program ~ Traffic Signal	RLM	2 nd Quarter	\$ 40,000		
TBD Storm Sewer Project	BWM	4 th Quarter	\$ 128,000		
TOTALS			\$ 7,581,425		\$ 5,647,165.63

PART I

CONSTRUCTION FOR 2017

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, Knightwood, Chesire Woods, Perivale Park, Parliament Square, Stonebridge, Dunstans, Wimbleton Park, Jamesford Drive (Sylvania Township)	SLR	LET 01/31/17	\$ 329,311	Bowers Asphalt & Paving	\$ 293,315.50
Township Hall Parking Lot Improvement (Monclova Township)	SLR/ATP	LET 02/24/17	\$ 226,748	Schoen, Inc.	\$ 190,272.70
Annual Crack Seal Project Bid w/ LCE (Monclova Township)	JSP	LET 03/15/17	\$ 37,000	Buck Pavement Restoration	\$ 37,240.00
Annual Crack Seal Project Bid w/ LCE (Springfield Township)	JSP	LET 03/15/17	\$ 30,750	Buck Pavement Restoration	\$ 30,840.00
Annual Crack Seal Project Bid w/ LCE (Sylvania Township)	JSP	LET 03/15/17	\$ 74,750	Buck Pavement Restoration	\$ 73,400.00
Noward Road Reclamation Project (Waterville Township)	SLR	LET 04/28/17	\$ 896,699	Crestline Paving & Excavation Co.	\$ 841,479.70

PART I

CONSTRUCTION FOR 2017

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Oak Terrace Subdivision & Bemis Lane Resurfacing Bid by LCE (Spencer Township)	SLR/PMO	LET 05/03/17	\$ 592,331	Gerken Paving & Inc.	\$ 539,759.15
2017 Road Improvement Project LaPlante Road & Blackstone Subdivision (Monclova Township)	SLR	LET 06/29/17	\$ 701,642	Crestline Paving & Excavating Co., Inc.	\$ 656,609.00
Annual Microsurfacing Project Waters Edge Boulevard, Longwater Drive, Starboard Drive & Coder Road (Monclova Township)	SLR/JSP	QUOTES 07/03/17	\$ 39,000	Strawser Construction	\$ 39,157.20
2017 Resurfacing Project Woodlake Drive, Woodbrook Drive, Woodmeadow Drive, Meadowlake Drive, Fairbanks Drive & Fantasy Drive (Sylvania Township)	SLR	LET 07/11/17	\$ 314,250	Gerken Paving, Inc.	\$ 275,215.42
Veler Road Resurfacing Bid by LCE (Jerusalem Township)	SLR	LET 07/20/17	\$ 95,370	Geddis Paving & Excavating	\$ 95,329.00
Harriet Road and Berkey Road Resurfacing Bid by LCE (Spencer Township)	SLR	LET 08/02/17	\$ 253,802	Gerken Paving, Inc.	\$ 238,403.22
Bunting Road Chip Seal Project (Jerusalem Township)	SLR	QUOTES 08/08/17	\$ 22,615	Henry W. Bergman, Inc.	\$ 23,065.50

PART I

CONSTRUCTION FOR 2017

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Wallace Road Chip Seal Project (Jerusalem Township)	SLR	LET 08/08/17	\$ 37,625	Henry W. Bergman, Inc.	\$ 25,367.50
2017 Road Improvement Project (Wolf Creek Executive Park) (Springfield Township)	SLR	LET 09/14/17	\$ 268,515	The Shelly Company	\$ 268,841.64
TOTALS			\$ 3,920,408		\$ 3,628,295.53

PART II

CONSTRUCTION FOR 2018

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
McCord Road Resurfacing includes Hill Avenue Intersection (1.20 miles)	SLR	LET 01/24/18	\$ 641,186	Gerken Paving, Inc.	\$ 641,186.40
Annual Crack Seal Program (LCE Only) (26.00 miles)	JSP	BID 03/07/18	\$ 209,000		
Annual Bridge Repair Program Old State Line Road Bridge #364 & Sylvania Avenue Bridge #104	BAZ	1 st Quarter	\$ 200,000		
Annual Microsurfacing Program (4.70 miles)	JSP	2 nd Quarter	\$ 293,000		
Annual Thin Overlay Program (3.90 miles)	JSP	2 nd Quarter	\$ 490,000		
Annual Traffic Safety Program ~ RPM, Pavement Markings, TBD Multi-Use Path Project	RLM	2 nd Quarter	\$ 75,000		
Annual Traffic Safety Program ~ Guardrail	DJP	2 nd Quarter	\$ 175,000		
2018 OPWC Resurfacing Project I Centennial Road, Frankfort Road, Hill Avenue, McCord Road & Monclova Road (2.72 miles)	JML	2 nd Quarter	\$ 1,156,000		

PART II CONSTRUCTION FOR 2018

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
2018 Resurfacing Project Black Road & Blystone Valley Subdivision (Monclova Township)	SLR	BID 03/02/18	\$ 460,500		
Annual Crack Seal Project Bid w/LCE (Monclova Township)	JSP	BID 03/07/18	\$ 50,000		
Annual Crack Seal Project Bid w/LCE (Harding Township)	JSP	BID 03/07/18	\$ 8,500		
Annual Crack Seal Project Bid w/ LCE (Sylvania Township)	JSP	BID 03/07/18	\$ 50,000		
2018 OPWC Road Improvement Project Geiser Road, Long Meadow Drive, Hidden View Drive, Fountain Drive, Spring Cove Lane & Spring Haven Drive (Springfield Township)	SLR	1st Quarter	\$ 464,500		
2018 OPWC Road Improvement Project Fair Hills Subdivision & Corey Woods Subdivisions, Plats 2 &3 (Sylvania Township)	SLR	1st Quarter	\$ 753,000		

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>	
Raab Road Bridge #264 Replacement - BAZ over Frankfort Ditch	\$ 350,000
Annual Bridge Repair Program – BAZ Old State Line Road Bridge #364 Sylvania Avenue Bridge #104	\$ 200,000
Total 2018 Bridge Repair & Replacement	\$ 550,000
<u>ROADWAY PRESERVATION/SAFETY PROJECTS:</u>	
2018 Annual Resurfacing Program	\$ 1,400,000
Centennial Road (Hill Avenue to Nebraska Avenue) Eber Road (Reed Road to Monclova Road (E) 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) 4.42 miles – JSP	
2018 OPWC Resurfacing Program	\$ 1,366,000
Centennial Road (Nebraska Avenue to 0.46 mile north) 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>	
2018 Thin Overlay Program	\$ 490,000
Centennial Road (0.08 mile north of Angola Road to Hill Avenue)	
Centennial Road (0.066 mile to 0.274 mile north of Dorr Street)	
Crissey Road (Dorr Street to Bancroft Street)	
Garden Road (0.12 mile west of Holloway Road to Garden Creek Drive)	
Holloway Road (0.15 mile south to 0.14 mile north of Garden Road)	
King Road (Angola Road to 0.107 mile south of Hill Avenue)	
Salisbury Road (Albon Road to 0.05 mile east of Stonegate Drive)	
3.90 miles – JSP	
McCord Road Resurfacing includes	\$ 641,186
Hill Avenue Intersection	
1.20 miles – SLR	
Annual Traffic Safety Program	
- Guardrail, Pavement Markings, RPM's and etc.	\$ 250,000
Locations TBD – RLM/DJP	
- University Park Trail Extension	\$ 247,465
Letting for a Board of Lucas County Commissioners	
	<hr/>
Total 2018 Roadway Preservation/ Safety Projects	\$ 4,394,651
<u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program	\$ 209,000
26.31 miles – JSP	

PART III

2018

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY MAINTENANCE PROJECTS – CONTINUED:</u>	
Annual Microsurfacing Program 4.74 miles – JSP	\$ 293,000
Total 2018 Road Maintenance Projects	\$ 502,000
 <u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- Storm Sewer Project – TBD	\$ 85,000
- Culvert Replacement – TBD	\$ 220,000
BWM/PMO	
Total 2018 Culvert/Drainage Projects	\$ 305,000
 2018 Anticipated Construction	 \$ 5,751,651

PART III

FORECAST FOR 2019

LET BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Sylvania Avenue Resurfacing (1.87 miles)	SLR	1 st Quarter	\$ 2,220,000
Annual Crack Seal Program (LCE Only) (21 miles)	JSP	1 st Quarter	\$ 167,000
Annual Bridge Repair Program Perrysburg-Holland Road Bridge #584	BAZ	1 st Quarter	\$ 150,000
Annual Microsurfacing Program (5.6 miles)	JSP	2 nd Quarter	\$ 342,000
Annual Thin Overlay Program (3.9 miles)	JSP	2 nd Quarter	\$ 491,000
Annual Traffic Safety Program ~ RPM, Pavement Markings, TBD	RLM	2 nd Quarter	\$ 250,000
Garden Road Bridge #283 Replacement Project	BAZ	2 nd Quarter	\$ 250,000
2019 OPWC Resurfacing Project I Holland-Sylvania Road & North Curtice Road (4.5 miles)	DJP/JML	2 nd Quarter	\$ 2,446,000
2019 Annual Resurfacing Program Bancroft Street & Old Airport Highway Road (1.4 miles)	JSP	2 nd Quarter	\$ 404,000
2019 OPWC Resurfacing Project II Perrysburg Holland Road, Providence-Neapolis- Swanton Road, Shaffer Road, Stitt Road, Weckerly Road & Whiteford Road (6.6 miles)	JML	2 nd Quarter	\$ 2,337,700
Providence-Neapolis-Swanton Road Bridge #975 Replacement	BAZ	3 rd Quarter	\$ 480,000

PART III

FORECAST FOR 2019

LET BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
McCord Road Resurfacing	SLR	3rd Quarter	\$ 640,000
TBD Culvert Project	PMO	4 th Quarter	\$ 200,000
TBD Storm Sewer Project	BAZ	4 th Quarter	\$ 480,000
TOTAL			\$ 10,527,700

PART III

FORECAST FOR 2019

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

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
2019 Resurfacing Project Stonegate Drive, Stonewater, Hunter Chase, Lock Mill, Pebble Court, Wood Creek, Bridge Way, Coach House, Cottage Gate, English Gardens, N. Bridge Way, S. Bridge Way & Lose Road) (Monclova Township)	SLR	1 st Quarter	\$ 1,289,000
2019 OPWC Road Improvement Project Lincoln Green Subdivision: Cheswick Court, Cheswick Road, Danesmoor Court, Danesmoor Road, Dorcas Road, Harefoote Street, Lincoln Green Road & Shrewsbury Drive) (Springfield Township)	SLR	1 st Quarter	\$ 797,500
2019 OPWC Road Improvement Project Wolfinger Road, Regents Park Boulevard, Manoa Lane, McKivett Lane, Stonebridge Lane, Ronaldo Road, St. Charles Road) (Sylvania Township)	SLR	1 st Quarter	\$ 1,076,500
Bono Road Chip Seal Project Bid by LCE (Jerusalem Township & ODNR)	SLR	1 st Quarter	\$ 239,000
Raab Road, Whitehouse-Spencer Road & Meilke Road Improvement Project (Spencer Township)	SLR	2 nd Quarter	\$ 791,000
Shaffer Road Resurfacing Project (Harding Township)	SLR	2 nd Quarter	\$ 160,700
TOTAL			\$ 4,353,700

PART III

2019

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
Providence-Neapolis-Swanton Road Bridge #975 Replacement over Harris Creek	\$ 480,000
Annual Bridge Repair Program – BAZ Perrysburg-Holland Road Bridge #584	\$ 150,000
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Total 2019 Bridge Repair & Replacement	\$ 880,000
 <u>ROADWAY PRESERVATION/SAFETY PROJECTS:</u>	
2019 Annual Thin Overlay Program	\$ 491,000
Eber Road (Obee Road to Reed Road)	
Eber Road (Railroad Tracks to Old State Line Road)	
Holloway Road (Salisbury Road to 0.11 mile north of Salisbury Road)	
King Road (0.15 mile north of Dorr Street to 0.10 north of Bancroft Street)	
Salisbury Road (0.13 mile east of Butz Road to Strayer Road)	
Sherman-White Road (Fulton-Lucas Road to 477 feet east)	
Weckerly Road (Ramm Road to Monclova Road)	
3.89 miles – JSP	
 2019 Annual Resurfacing Program	 \$ 404,000
Bancroft Street (King Road to St. James Boulevard)	
Old Airport Highway (Crissey Road to State Route 2)	
1.35 mile – JSP	

PART III

2019

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (CONTINUED):</u>	
2019 OPWC Resurfacing Project, Phase 1	\$ 2,446,000
Holland-Sylvania Road (0.02 mile south of Elmer Drive to 0.08 mile south of Central Avenue, Goodhue Drive to 0.20 mile south of Sylvania Avenue, 0.116 mile north of Sylvania Avenue to City of Sylvania Limits, and 0.01 mile south of Harroun Road to Brint Road)	
North Curtice Road (Ottawa County Line to Corduroy Road) 4.52 miles – DJP/JML	
Sylvania Avenue Resurfacing (0.08 mile east of Centennial Road to 0.10 mile west of McCord Road) 1.87 miles – SLR	\$ 2,220,000
McCord Road Resurfacing 0.93 mile – SLR	\$ 640,000
2019 OPWC Resurfacing Project, Phase 2	\$ 2,337,700
Perrysburg-Holland Road (Holland-Sylvania Road to 0.22 mile south of State Route 2)	
Providence-Neapolis-Swanton Road (S. River Road to Box Road – Less U.S. 24 Overpass)	
Shaffer Road (Wilkins Road to State Route 295)	
Stitt Road (Keener Road to 0.05 mile west of Waterville-Monclova Road)	
Weckerly Road (State Route 64 to 0.10 northeast of Finzel Road)	
Whiteford Road (Monroe Street to Trellis Way) 6.56 miles – JML	

PART III

2019

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (CONTINUED):</u>	
Annual Traffic Safety Program	
- Guardrail, Pavement Markings, RPM's and etc. Locations TBD – RLM/DJP	\$ 250,000
	<hr/>
Total 2019 Roadway Preservation/ Safety Projects	\$ 8,788,700
 <u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program 21.34 miles – JSP	\$ 167,000
Annual Microsurfacing Program 5.55 miles – JSP	\$ 342,000
	<hr/>
Total 2019 Road Maintenance Projects	\$ 509,000
 <u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- Storm Sewer Project – TBD	\$ 150,000
- Culvert Replacement – TBD	\$ 200,000
BWM/PMO	
	<hr/>
Total 2019 Culvert/Drainage Projects	\$ 350,000
 2019 Anticipated Construction	 \$ 10,527,700

PART IV

CONSTRUCTION FORECAST FOR 2020

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Albon Road @ Salisbury Road Roundabout	KPW	1 st Quarter	\$ 685,500
Lathrop Road Bridge #73 Replacement	BAZ	1 st Quarter	\$ 250,000
2020 OPWC Resurfacing Program	JML	1 st Quarter	\$ 1,052,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Jeffers Road Reclamation and Overlay Project	TBD	2 nd Quarter	\$ 500,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 300,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 300,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 3,423,000
McCord Road @ Dorr Street Roundabout	RLM	4 th Quarter	\$ 2,171,400
Total			\$ 8,881,900

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	\$ 547,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 350,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 300,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 4,478,000
Total			\$ 5,875,000

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	KPW	1 st Quarter	\$ 900,000
Monclova Road @ Weckerly Road Roundabout	KPW	1 st Quarter	\$ 755,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 150,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 200,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 300,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 4,100,000
Total			\$ 6,405,000

PART IV

CONSTRUCTION FORECAST FOR 2023

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Angola Road @ King Road Roundabout	KPW	1 st Quarter	\$ 2,310,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Corduroy Road Bridge #1437 Replacement	BAZ	2 nd Quarter	\$ 650,000
Annual Drainage Program	BWM/BAZ	2 nd Quarter	\$ 350,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 300,000
Annual Resurfacing and Sealing Program	JSP	2 nd Quarter	\$ 4,200,000
Total			\$ 8,010,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2018 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2020 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS (2020-2023):</u>	
Annual Bridge Repair Program: BAZ	
Others to be determined 2020, 2021, 2022 & 2023	\$ 1,200,000
Annual Bridge Replacement Projects: BAZ	
Lathrop Road Bridge No. 73 over Langenderfer Ditch – 2020	Design Underway \$ 250,000
Corduroy Road Bridge No. 1437 2023	Proposed \$ 650,000
	<hr/>
	Total Bridge Repair and Replacement Projects
	\$ 2,100,000
<u>MAJOR ROADWAY IMPROVEMENT PROJECTS (2020 – 2023)</u>	
Albon Road at Salisbury Road Roundabout – 2020 KPW	\$ 685,500
McCord Road @ Dorr Street Roundabout – 2020 RLM	\$ 2,171,400
Monclova Road at Weckerly Road Roundabout – 2022 KPW	\$ 755,000
Brint Road at Centennial Road Roundabout – 2022 KPW	\$ 900,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2018 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2020 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>MAJOR ROADWAY IMPROVEMENT PROJECTS (2020 – 2023) - CONTINUED</u>	
Angola Road at King Road Roundabout – 2023 KPW	\$ 2,310,000
Total Major Roadway Improvement Projects	\$ 6,821,900
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (2020-2023):</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	\$ 18,300,000
Traffic Safety Program - RPM, Pavement Markings, Signal Upgrades and Guardrail Repair/Replace, etc. Locations to be determined RLM/DJP Budget Allocations	\$ 750,000
Total Roadway Preservation Projects	\$ 19,050,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2018 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2020 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>CULVERT / DRAINAGE PROJECTS (2020-2023):</u>	
- Locations to be determined BWM/PMO/BAZ	Budget Allocations \$ 1,200,000
	<hr/>
TOTAL	\$ 29,171,900
Projects under design or to be initiated for design in 2018	

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 2017 completed projects along with forecasted projects for 2018 and 2019. Now the Townships and Lucas County do about \$100,000 of drainage improvements in house.

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	AWARDED CONTRACTOR	AWARDED AMOUNT
Harvest Ditch Drainage Improvement (Springfield Township)	BWM	02/03/17	\$ 13,000	Ed Kelly & Sons, Inc.	\$ 11,050.00
Potter Ditch Drainage Improvement (Springfield Township)	BWM	02/06/17	\$ 19,000	PHC, Inc.	\$ 17,500.00
Peter May Ditch Improvement (Springfield Township)	BWM	02/15/17	\$ 90,000	Geddis Paving & Excavating	\$ 57,298.00
Alscot Lane Drainage Improvement (Waterville Township)	ATP	04/10/17	\$ 30,000	PHC, Inc.	\$ 26,749.00
Noward Road Drainage Improvement (Waterville Township)	BWM/SLR	04/28/17	\$ 157,143	Crestline Paving & Excavating, Inc.	\$ 200,000.00
Smith Ditch Drainage Improvement (Sylvania Township)	BWM	06/05/17	\$ 15,000	Provo Construction Company, LLC	\$ 17,169.00

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	AWARDED CONTRACTOR	AWARDED AMOUNT
LaPlante Road Drainage Improvement (Monclova Township)	BWM/SLR	06/29/17	\$ 109,751	Crestline Paving & Excavating, Inc.	\$ 142,075.00
Washington Township Drainage Improvements (MH & CB Repairs) (Washington Township)	BWM	11/16/17	\$ 93,246	Zee Construction Co., Inc.	\$ 77,200.00
Reed Road Drainage Improvements (Monclova Township)	BWM	06/29/17	\$ 398,984	Provo Construction Company, LLC	\$ 334,034.34
Geiser Road Drainage Improvement (Springfield Township)	BWM	9/14/17	\$ 97,098	G6 Infrastructure, LLC	\$ 83,329.00
Sacks Ditch Drainage Improvements (Jerusalem Township)	BWM	2017	\$ 50,000	Geo Gradel	\$ 49,362.17
Estuary Place Detention Pond Cleaning (Monclova Township)	BWM	2017	\$ 6,000	PHC, Inc.	\$ 5,890.00

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	AWARDED CONTRACTOR	AWARDED AMOUNT
Heldman Ditch Bank Stabilization & Ditch Cleanout (Springfield Township)	BWM	2017	\$ 8,000	PHC, Inc.	\$ 7,460.00
Shoreland Ave. 6" Storm Sewer Repair (Washington Township)	BWM	2017	\$ 5,000	PHC, Inc.	\$ 4,780.00
Parking Lot Conduit & Pavement Repairs (Monclova Township)	BWM	2017	\$ 6,000		\$ 5,975.00
GRAND TOTAL					
			\$ 1,098,222		\$ 1,039,871.51

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2018

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Log Jam Removals – Ten Mile Creek	BWM	1st Quarter	\$ 15,000
Lake Breeze Lane Conduit Repair (Monclova Township)	BWM	1st Quarter	\$ 18,000
Monclova Township Drainage Improvements (Monclova Township)	BWM	1st Quarter	\$ 49,925
Branch of Blair Ditch	BWM	1st Quarter	\$ 30,000
Clarion Road Drainage Improvement (Sylvania Township)	BWM	2nd Quarter	\$ 100,000
Peter May Ditch Drainage @ Layer Road Improvement (Springfield Township)	BWM	3rd Quarter	\$ 70,000
Black Road Drainage Project (Monclova Township)	BWM	3rd Quarter	\$ 100,000
Coder Road Culvert #685 Improvements (Monclova Township)	BWM/PMO	4th Quarter	\$ 65,000

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2018

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Vistamar & Brendamar Drainage Improvements (Washington Township)	BWM	4 th Quarter	\$ 70,000
Zaleski Ditch Cleaning (Crissey Road to Ohio Turnpike) (Monclova Township)	BWM	1 st Quarter or 4 th Quarter	\$ 80,000
Van Dyke Culvert #3031 Extension (Jerusalem Township)	BWM		\$ 65,000
GRAND TOTAL			\$ 662,925

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2019

Let by County ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Ramm Road Drainage Improvement (Monclova Township)	BWM	1 st Quarter	\$ 290,000
Ten Mile Creek Drainage Improvement (Sylvania Township)	BWM	1 st Quarter	\$ 1,400,000
Heldman Ditch Drainage Improvement (King Road to Plum Grove Subdivision) (Springfield Township)	BWM	2 nd Quarter	\$ 350,000
Potter Ditch Drainage Improvement Dorr Street – Dorr Street (Springfield Township)	BWM	3 rd Quarter	\$ 90,000
Whitehouse-Spencer Road Drainage Improvement (Monclova Township)	BWM	4 th Quarter	\$ 350,000
GRAND TOTAL			\$ 2,480,000

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 2017, the consultant team led by Arcadis under contract with ODOT, has completed Stage 1 and final Right of Way plan. TRAC applications planned requesting 2022 construction funds. For the Dorr Street location, the LCTID leads the design phase, with a consulting team led by Tetra Tech. Stage 1 plan, right of way plan, public involvement meeting, and environmental is completed. Received construction funding for FY2020.