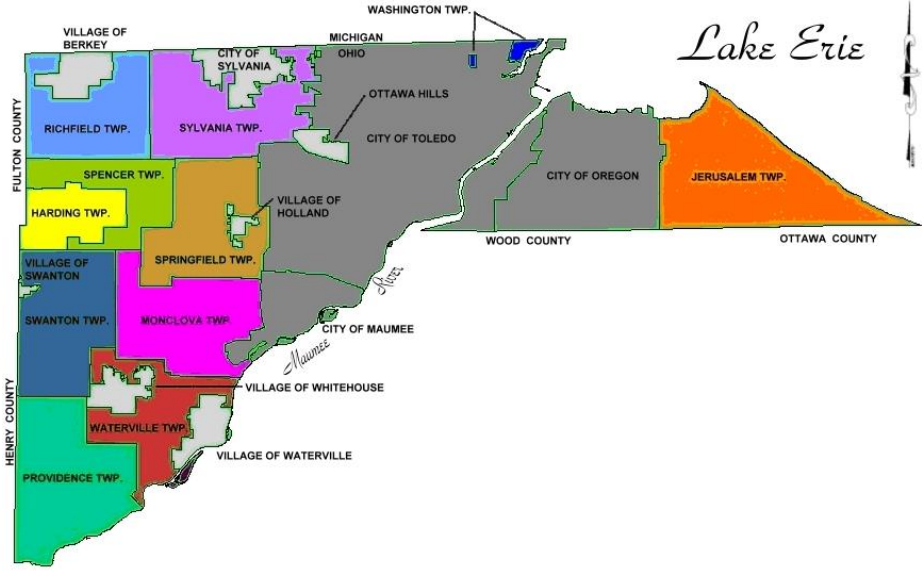


OFFICE OF THE LUCAS COUNTY ENGINEER

7-YEAR CAPITAL IMPROVEMENT PROGRAM 2019 – 2025



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

February 2019

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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 (2019 – 2025)

BASED ON REVENUE PROJECTIONS AND NON-CIP EXPENDITURES

TOTAL 7-YEAR PROGRAM

Construction:	\$ 58,489,000
Other Costs:	\$ 36,628,383
Total C.I.P.	\$ 95,117,383
Total Budget:	\$ 144,913,437

Percentage of Budget allocated to C.I.P. = 65.6%

INFRASTRUCTURE TYPE	2019	2020	2021	2022	2023	2024	2025
Roadway	\$ 11,446,000	\$ 6,363,000	\$ 5,734,000	\$ 7,667,000	\$ 7,378,000	\$ 8,101,000	\$ 5,585,000
Bridges	\$ 880,000	\$ 550,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,075,000	\$ 300,000
Drainage / Culverts	\$ 560,000	\$ 300,000	\$ 350,000	\$ 300,000	\$ 350,000	\$ 300,000	\$ 350,000
TOTAL	\$ 12,886,000	\$ 7,213,000	\$ 6,384,000	\$ 8,267,000	\$ 8,028,000	\$ 9,476,000	\$ 6,235,000

FUNDING SOURCES FOR C.I.P.

License Plate Fees & Gas Tax	\$ 62,482,383	65.69%
OPWC	\$ 12,985,000	13.65%
Federal / O.D.O.T.	\$ 14,250,000	14.98%
Other Local Public Jurisdictions	\$ 5,400,000	5.68%
TOTAL	\$ 95,117,383	100.00%

CONSTRUCTION DOLLAR SUMMARY

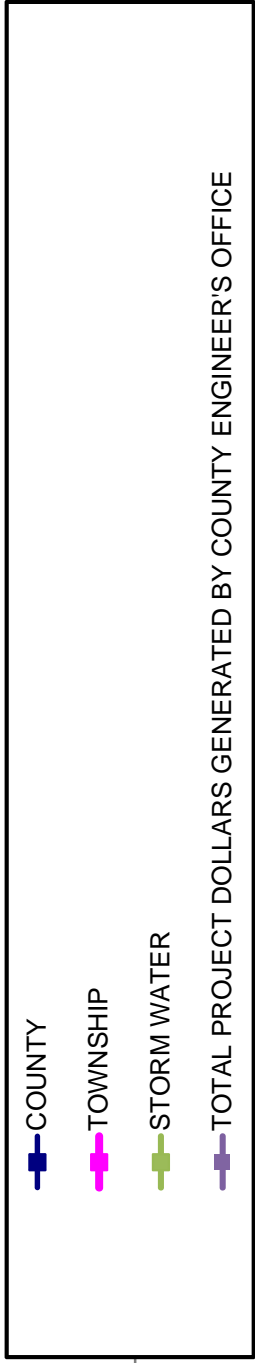
2019 Anticipated Construction.....\$ 12,886,000

2020 Anticipated Construction.....\$ 7,213,000

Projects under design or to be initiated in 2019 and Projects in the Capital Improvement Program under consideration for Construction in 2021 and Beyond.....\$ 38,390,000

Grand Total in Anticipated Construction Dollars.....\$ 58,489,000

LUCAS COUNTY ENGINEER AND TOWNSHIP PROJECTS - CONSTRUCTION \$ ONLY



PART I

COUNTY PROJECTS AWARDED IN 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	01/24/18	\$ 720,307	Gerken Paving, Inc.	\$ 641,186.40
Annual Crack Seal Program (LCE Only) (26.00 miles)	JSP	03/07/18	\$ 209,000	Bituminous Pavement Systems	\$ 170,070.00
Annual Bridge Repair Program Sylvania Avenue Bridge #104	BAZ	05/23/18	\$ 137,383	Bridge Specialists Inc.	\$ 110,460.00
Annual Microsurfacing Program (4.70 miles)	JSP	05/23/18	\$ 92,057	Strawser Construction, Inc.	\$ 98,849.47
2018 Annual Resurfacing Program Centennial Road, Eber Road, Lathrop Road, Monclova Road, Providence-Neapolis-Swanton Road & Stitt Road (4.40 miles)	JSP	05/23/18	\$ 1,400,000	The Shelly Company	\$ 1,275,396.30
2018 OPWC Resurfacing Project I Centennial Road, Frankfort Road, Hill Avenue, McCord Road & Monclova Road (2.72 miles)	JML	05/23/18	\$ 1,156,000	The Shelly Company	\$ 1,030,328.10
Raab Road Bridge #264 Replacement Project	BAZ	07/11/18	\$ 350,000	Geddis Paving & Excavating, Inc.	\$ 251,484.60
Suder Avenue Widening Project	DJP	07/11/18	\$ 149,500	E.R. Zeiler Excavating, Inc.	\$ 149,993.75

PART I

COUNTY PROJECTS AWARDED IN 2018

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Thin Overlay Program (3.90 miles)	JSP	07/18/18	\$ 505,234	Gerken Paving, Inc.	\$ 519,548.45
Old State Line Road Bridge #364	BAZ	07/18/18	\$ 80,820	Bridge Specialists, Inc.	\$ 75,952.00
Nebraska Avenue & Salisbury Road Seal Coat Project	JRH	07/18/18	\$ 94,800	Strawser, Inc.	\$ 99,941.09
Monclova Road & Technology Drive Resurfacing Project	JML	08/01/18	\$ 486,585	Crestline Paving & Excavating, Inc.	\$ 468,854.00
University Parks trail Extension Project	RLM	09/05/18	\$ 370,384	Expercon	\$ 304,280.00
River Road Drainage Improvement	BWM	11/07/18	\$ 76,260	Kyle J. Sherman Excavating	\$ 63,731.00
TOTALS			\$ 5,828,330		\$ 5,260,075.16

PART I

CONSTRUCTION FOR 2018

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	03/02/18	\$ 538,182	Bowers Asphalt & Paving	\$ 498,998.52
Annual Crack Seal Project Bid w/LCE (Harding Township)	JSP	03/07/18	\$ 8,500	Bituminous Pavement Systems	\$ 12,520.00
Annual Crack Seal Project Bid w/ LCE (Monclova Township)	JSP	03/07/18	\$ 50,750	Bituminous Pavement Systems	\$ 51,800.00
Annual Crack Seal Project Bid w/ LCE (Sylvania Township)	JSP	03/07/18	\$ 50,750	Bituminous Pavement Systems	\$ 51,800.00
2018 OPWC Road Improvement Project Geiser Road, Long Meadow Drive, Hidden View Drive, Fountain Drive, Spring Cove Lane & Spring Haven Drive (Springfield Township)	SLR	05/02/18	\$ 502,958	Gerken Paving, Inc.	\$ 492,185.51
2018 OPWC Road Improvement Project Fair Hills Subdivision and Corey Woods Subdivision Plats 2 & 3 (Sylvania Township)	SLR	06/01/18	\$ 744,917	Gerken Paving, Inc.	\$ 654,076.61

PART I

CONSTRUCTION FOR 2018

Bid by Townships ~ Design & Inspection performed by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
2018 Road Resurfacing Project Sparrow Hill, Eagle View, Pepperwood Court, Hawkstone, Wild Pheasant, Monarch Drive, Swallow Trail, Sweet Bush, Brookstone Village, Morgan Hill, Sarah Lake & Sunbreeze (Sylvania Township)	SLR	06/01/18	\$ 349,336	Gerken Paving, Inc.	\$ 315,265.15
Schwamberger Road Reclamation Project (Spencer Township)	SLR	07/18/18	\$ 493,079	Gerken Paving, Inc.	\$ 461,033.65
Raab Road Resurfacing Project (Harding Township)	SLR	07/19/18	\$ 122,704	Gerken Paving, Inc.	\$ 119,984.59
Township Hall Parking Lot Improvement (Sylvania Township)	SLR/ATP	11/13/18	\$ 99,509	Allied Paving Co., Inc.	\$ 98,136.30
Van Dyke Culvert No. 3031 (Jerusalem Township)	PMO	QUOTES	\$ 45,957	Burkhart & Sons Excavating	\$ 23,334.00
TOTALS			\$ 3,006,642		\$ 2,779,134.33

PART II

CONSTRUCTION FOR 2019

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Sylvania Avenue Resurfacing (1.87 miles)	SLR	LET 02/06/19	\$ 2,130,000	Crestline Paving & Excavating Co., Inc.	\$ 2,133,967.85
Annual Crack Seal Program (LCE Only) (21.00 miles)	JSP	BID 02/27/19	\$ 167,000		
Annual Bridge Repair Program Manore Road Bridge #981	BAZ	1 st Quarter	\$ 150,000		
Annual OPWC Resurfacing Project I Shaffer Road, Stitt Road, Weckerly Road & Whiteford Road (3.80 miles)	JML	2 nd Quarter	\$ 1,432,700		
Annual Microsurfacing Program Old State Line Road & Wilkins Road (0.90 miles)	JSP	2 nd Quarter	\$ 72,000		
Annual Thin Overlay Program Eber Road, Holloway Road, King Road, Salisbury Road, Sherman-White Road & Weckerly Road (3.90 miles)	JSP	2 nd Quarter	\$ 491,000		
Annual Traffic Safety Program - Guardrail - Pavement Markings Program	RLM/DJP	2 nd Quarter	\$ 330,000		

PART II

CONSTRUCTION FOR 2019

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Garden Road Bridge #283 Replacement Project	BAZ	2 nd Quarter	\$ 250,000		
2019 OPWC Resurfacing Project II Holland-Sylvania Road & North Curtice Road (4.50 miles)	DJP/JML	2 nd Quarter	\$ 2,446,000		
2019 Annual Resurfacing Program Bancroft Street & Old Airport Highway (1.40 miles)	JSP	2 nd Quarter	\$ 404,000		
2019 OPWC Resurfacing Project III Perryburg-Holland Road & Providence- Neapolis-Swanton Road (2.80 miles)	JML	2 nd Quarter	\$ 905,000		
Providence-Neapolis-Swanton Bridge #975 Replacement	BAZ	3 rd Quarter	\$ 480,000		
McCord Road Resurfacing (0.90 miles)	SLR	3 rd Quarter	\$ 640,000		
McCord Road / Dorr Street Roundabout, PID #107483 (Let with Dorr Street/I-475 Interchange Project)	KPW	3 rd Quarter	\$ 2,428,300		
Culvert Project - Sylvania-Metamora Road Culverts #10 & #13 - Jeffers Culvert #881	PMO	4 th Quarter	\$ 210,000		

PART II

CONSTRUCTION FOR 2019

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Annual Storm Projects - River Road Drainage - Whiteford Road Drainage - TBD	BWM	4 th Quarter	\$ 350,000		
TOTALS			\$ 12,886,000		\$ 2,133,967.85

PART II CONSTRUCTION FOR 2019

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
2019 Resurfacing Project Stonagate Drive, Stormwater, 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		
Annual Crack Seal Project Bid w/LCE (Richfield Township)	JSP	1 st Quarter	\$ 5,000		

PART II CONSTRUCTION FOR 2019

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 (Monclova Township)	JSP	1 st Quarter	\$ 50,000		
Annual Crack Seal Project Bid w/ LCE (Sylvania Township)	JSP	1 st Quarter	\$ 50,000		
Bono Road Chip Seal Project Bid by LCE (Jerusalem Township & ODNR - \$192,010)	SLR	2 nd Quarter	\$ 39,960		
Raab Road, Meilke Road & Whitehouse- Spencer Road Improvement Project (Spencer Township)	SLR	2 nd Quarter	\$ 791,000		
Shaffer Road Resurfacing Project Bid w/ LCE (Harding Township)	JML	2 nd Quarter	\$ 160,700		
Monclova Township Microsurfacing Project Keener Road (Bid w/ County by Township) (Monclova Township)	SLR/JSP	2 nd Quarter	\$ 100,000		

PART II CONSTRUCTION FOR 2019

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
2019 Resurfacing Project Stoneybrook Village Plat 1 & 3: Stoneybrook Boulevard, Sycamore Trail, Timber View Court, Poplar Court; Kings Hollow Plat 1 & 2: Goodhue Drive, Zone Avenue, Millicent Avenue & Cason Avenue (Sylvania Township)	SLR	2 nd Quarter	\$ 553,065		
2019 Chip Seal Project First Street, Second Street, Grant, Greenwood Avenue, Plat, Reynolds, Stange, Walter Avenue, Water, Bayfield, Donovan, Standart, Yoder & Turnau (Jerusalem Township)	SLR	2 nd Quarter	\$ 102,736		
Jeffers Road Culvert #476 (Swanton Township)	PMO	3 rd Quarter	\$ 80,000		
Drennen Ditch Cleanup (Spencer Township)	BWM	3 rd Quarter	\$ 130,000		
Lincoln Green Curb Ramp Upgrades (Springfield Township)	SLR	3 rd Quarter	\$ 73,374		
TOTALS \$			5,298,835		

PART II

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 Manore Road Bridge #981	\$ 150,000
	<hr/>
Total 2019 Bridge Repair & Replacement	\$ 880,000
 <u>MAJOR ROADWAY IMPROVEMENT PROJECTS:</u>	
McCord Road @ Dorr Street Roundabout Let with Dorr Street / I-475 Interchange 0.24 miles – KPW	\$ 2,428,300
	<hr/>
Total 2019 Major Roadway Improvement	\$ 2,428,300

PART II

2019

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<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)	
3.90 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)	
1.40 miles – JSP	
2019 OPWC Resurfacing Project, Phase II	\$ 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	\$ 2,130,000
(0.08 mile east of Centennial Road to 0.10 mile west of McCord Road)	
1.87 miles – SLR	

PART II

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>	
McCord Road Resurfacing 0.93 mile – SLR	\$ 640,000
2019 OPWC Resurfacing Project, Phase III 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) 2.80 miles – JML	\$ 905,000
2019 OPWC Resurfacing Project, Phase I 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) 3.80 miles – JML	\$ 1,432,700
Annual Traffic Safety Program - Guardrail, Pavement Markings, RPM's and etc. Locations TBD – RLM/DJP	\$ 330,000
Total 2019 Roadway Preservation/ Safety Projects	\$ 8,778,700

PART II

2019

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 21.34 miles – JSP	\$ 167,000
Annual Microsurfacing Program 0.90 mile – JSP	\$ 72,000
Total 2019 Road Maintenance Projects	\$ 239,000
 <u>CULVERT / DRAINAGE PROJECTS :</u>	
Annual County Drainage Program	
- Culvert Replacements:	\$ 210,000
Jeffers Road Culvert #881	
Sylvania-Metamora Road Culverts #10 & #13	
- Storm Sewer Projects:	\$ 350,000
River Road Drainage	
Whiteford Road Drainage	
TBD	
BWM/PMO	
Total 2019 Culvert/Drainage Projects	\$ 560,000
2019 Anticipated Construction	\$ 12,886,000

PART III

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	\$ 760,000
Annual Crack Seal Program (LCE Only) (22.00 miles)	JSP	1 st Quarter	\$ 175,000
Lathrop Road Bridge #73 Replacement	BAZ	1 st Quarter	\$ 250,000
2020 OPWC Resurfacing, Phase 1 Brint Road, Centennial Road, King Road & Sylvania-Metamora Road Joint Project w/ City of Sylvania (2.00 miles)	JML	1 st Quarter	\$ 1,052,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Annual Thin Overlay Program Angola Road, Eber Road, Holloway Road & Summit Street (3.20 miles)	JSP	1 st Quarter	\$ 712,000
Annual Microsurfacing Program (1.98 miles)	JSP	1 st Quarter	\$ 136,000
Jeffers Road Reclamation and Overlay Project (1.40 miles)	TBD	2 nd Quarter	\$ 500,000
Annual Drainage/Culvert Program	BWM/BAZ	2 nd Quarter	\$ 300,000
Annual Bridge Repair Program	BAZ	2 nd Quarter	\$ 300,000
2020 OPWC Resurfacing, Phase 2 Angola Road, Hill Avenue, Garden Road/Holland-Sylvania Road, Flanders Road & Laskey Road (1.50 miles)	TBD	2 nd Quarter	\$ 847,000

PART III

FORECAST FOR 2020

LET BY COUNTY ENGINEER

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
2020 Annual Resurfacing Program, Phase 1 Corduoy Road, Decant Road & North Curtice Road (2.50 miles)	JSP	2 nd Quarter	\$ 763,000
2020 Annual Resurfacing Program, Phase 2 Bancroft Street, Dutch Road, Providence-Neapolis- Swanton Road, Waterville-Monclova Road & Weckerly Road (4.60 miles)	JSP	2 nd Quarter	\$ 1,218,000
Total			\$ 7,213,000

PART III

FORECAST FOR 2020

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

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
2020 OPWC Road Improvement Project Spring Meadows West, Pilliod Road, Bromford Road, Kellerston Road, Longport Road, Kingston Drive, Hollis, Sherborn Drive, Sudbury Drive & Geiser Road (Springfield Township)	SLR	1 st Quarter	\$ 797,500
2020 OPWC Road Improvement Project Standing Timbers Lane, Standing Timbers Court, Larkhaven, Cavendish, Gilhouse Road, Fredelia Drive, Dogwood Lane, Rega Drive, Friedly Drive, Herman Place & Holt Road (Sylvania Township)	SLR	1 st Quarter	\$ 1,038,000
2020 Road Improvement Project Degenfelder Road, Hill Avenue & Eber Road (Spencer Township)	SLR	2 nd Quarter	\$ 520,000
2020 Resurfacing Project Artwell Road, Hyssop Avenue, Janet Avenue, Calvin Avenue & Estess Avenue (Sylvania Township)	SLR	2 nd Quarter	\$ ----
Kilburn Road Paved Berm (Central Avenue to Sylvania Avenue) (Richfield Township)	RLM/KPW	2 nd Quarter	\$ 1,009,252
2020 Resurfacing Project Wheatstone Court, Weatherstone Court, Chip Shot Lane, Iron Court, Old Range Drive, Putters Place, Royal Timbers Lane, Sand Wedge Court, Timbers Boulevard, Timbers Green, Tournament Drive, Waterside Court, Wood Drive, Crossroads Court, Canterbury Ridge Road, Lexington Glen Boulevard, Matthew Circle, Shetland Meadow Lane (Monclova Township)	SLR	3 rd Quarter	\$ 1,192,500
Bucher Road (Finzel Road to Stitt Road) With the Village of Whitehouse (Monclova & Waterville Townships)	SLR	3 rd Quarter	\$ 391,000
TOTAL			\$ 4,948,252

PART III

2020

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS:</u>	
Lathrop Road Bridge #73 Replacement - BAZ over Langenderfer Ditch	\$ 250,000
Annual Bridge Repair Program (2) – BAZ TBD	\$ 300,000
	<hr/>
Total 2020 Bridge Repair & Replacement	\$ 550,000
 <u>MAJOR ROADWAY IMPROVEMENT PROJECTS:</u>	
Albon Road @ Salisbury Road Roundabout 0.24 mile – KPW	\$ 760,000
Jeffers Road Reclamation & Overlay Project Neapolis-Waterville Road to Archbold-Whitehouse Road with new 4' paved berms on eastside 1.40 miles – TBD	\$ 500,000
	<hr/>
Total 2020 Major Roadway Improvement	\$ 1,260,000

PART III

2020

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY PRESERVATION/SAFETY PROJECTS:</u>	
2020 OPWC Resurfacing, Phase 1 & Phase 2	\$ 1,899,000
Brint Road (Bridge #105 over Ten Mile Creek to Silica Drive)	
Centennial Road (0.04 mile north of Mayberry Squire to MI State Line)	
King Road (Sylvania Avenue to 0.25 mile north)	
Sylvania-Metamora Road (0.14 mile west to 0.08 mile east of Centennial Road)	
Angola Road (0.11 mile south east of Albon Road to 0.2 mile west of King Road)	
Hill Avenue (Dorcas Lane to Toledo Corp. Limits)	
Garden Road (I-475 to Holland-Sylvania Road)	
Holland-Sylvania Road (Garden Road to Perrysburg-Holland Road)	
Flanders Road (Laskey Road to 0.05 mile north of Mt. Airy Road)	
Laskey Road (0.05 mile west of Stateville Drive to 0.08 mile east of Flanders Road)	
3.50 miles – TBD	
2020 Annual Resurfacing Program, Phase 1 & Phase 2	\$ 1,981,000
Corduroy Road (Yondota Road to Teachout Road)	
Decant Road (Corduroy Road to Arquette Road)	
N. Curtice Road (Corduroy Road to Cedar Point Road)	
Bancroft Street (Fulton-Lucas Road to State Route 295)	
Dutch Road (0.05 to 0.304 mile east of Waterville-Monclova (S)	
Providence-Neapolis-Swanton Road (Central to Neapolis-Waterville Road)	
Waterville-Monclova Road (0.25 to 0.04 mile south of Dutch Road)	
Waterville-Monclova Road (0.05 mile to 0.97 mile north of Dutch Road)	
Weckerly Road (Monclova Road to US 20A)	
7.16 miles – JSP	

PART III

2020

COUNTY PROJECTS TO BE LET FOR CONSTRUCTION

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (CONTINUED):</u>	
2020 Thin Overlay Program	\$ 712,000
Angola Road (0.08 mile east of Pamshire Downs to 0.12 mile east of Albon Road)	
Eber Road (0.05 mile north of US 20A to 0.24 mile south of Garden Road)	
Holloway Road (.014 mile north of Garden Road to State Route 2/Airport Highway)	
Summit Street (City of Toledo Limit to Michigan State Line)	
Teachout Road (State Route 2 to Corduroy Road)	
4.75 miles – JSP	
 Annual Traffic Safety Program	
- Guardrail, Pavement Markings, RPM's and etc.	\$ 200,000
Locations TBD – RLM/DJP	
	<hr/>
Total 2020 Roadway Preservation/ Safety Projects	\$ 4,792,000
 <u>ROADWAY MAINTENANCE PROJECTS:</u>	
Annual Crack Seal Program	\$ 175,000
22.00 miles – JSP	
 Annual Microsurfacing Program	\$ 136,000
Jeffers Road (0.14 mile north of Patton Road (W) to 0.38 mile north of Patton Road (E) (US 24 Overpass)	
Obee Road (Whitehouse-Spencer Road to Eber Road)	
Providence-Neapolis-Swanton Road (0.84 mile north of S. River Road to 0.42 mile north of Patton Road (US 24 Overpass)	
1.98 miles – JSP	
	<hr/>
Total 2020 Road Maintenance Projects	\$ 311,000

PART III

2020

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	\$ 150,000
- Culvert Replacement – TBD	\$ 150,000
BWM/PMO	
Total 2020 Culvert/Drainage Projects	\$ 300,000
2020 Anticipated Construction	\$ 7,213,000

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	\$ 547,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Annual Drainage/Culvert 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	\$ 4,787,000
King Road and Centennial Road Right Turn Lanes at Central Avenue	ATP	2 nd Quarter	\$ 200,000
		Total	\$ 6,384,000

PART IV

CONSTRUCTION FORECAST FOR 2022

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Brint Road @ Kilburn Road Roundabout	KPW	1 st Quarter	\$ 880,000
Monclova Road @ Weckerly Road Roundabout	KPW	1 st Quarter	\$ 800,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 150,000
State Route 295 at Neapolis-Waterville Roundabout	DJP	1 st Quarter	\$ 905,000
Annual Drainage/Culvert 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	\$ 4,932,000
Total			\$ 8,267,000

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	\$ 2,100,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Annual Drainage/Culvert 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	\$ 5,078,000
Total			\$ 8,028,000

PART IV

CONSTRUCTION FORECAST FOR 2024

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
Centennial Road @ Hill Avenue Roundabout	DJP/KPW	1 st Quarter	\$ 910,000
Albon Road @ Garden Road Roundabout	DJP/KPW	1 st Quarter	\$ 860,000
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Corduroy Road Bridge #1437 Replacement	BAZ	1 st Quarter	\$ 775,000
Annual Drainage/Culvert 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	\$ 5,231,000
Total			\$ 9,476,000

PART IV

CONSTRUCTION FORECAST FOR 2025

Let by County Engineer

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE
Annual Traffic Safety Program	RLM	1 st Quarter	\$ 200,000
Annual Drainage/Culvert 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	\$ 5,385,000
Total			\$ 6,235,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2019 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2021 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>BRIDGE REPAIR AND REPLACEMENT PROJECTS (2021 – 2025):</u>	
Annual Bridge Repair Program: BAZ	
Others to be determined 2021, 2022, 2023, 2024 & 2025	\$ 1,500,000
Annual Bridge Replacement Projects: BAZ	
Corduroy Road Bridge No. 1437 2024	Under Design \$ 775,000
Total Bridge Repair and Replacement Projects	
	\$ 2,275,000
<u>MAJOR ROADWAY IMPROVEMENT PROJECTS (2021 – 2025)</u>	
State Route 295 at Neapolis-Waterville Road Roundabout – 2022 DJP	\$ 905,000
Brint Road at Kilburn Road Roundabout – 2022 KPW	\$ 880,000
Monclova Road at Weckerly Road Roundabout – 2022 KPW	\$ 800,000
Angola Road at King Road Roundabout – 2023 KPW	\$ 2,100,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2019 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2021 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
<u>MAJOR ROADWAY IMPROVEMENT PROJECTS (2021 – 2025) - CONTINUED</u>	
Brint Road at Centennial Road Roundabout – 2024 KPW	\$ 900,000
Centennial Road at Hill Avenue Roundabout – 2024 DJP/KPW	\$ 910,000
Albon Road at Garden Road Roundabout – 2024 DJP/KPW	\$ 860,000
Total Major Roadway Improvement Projects	\$ 7,355,000
<u>ROADWAY PRESERVATION/SAFETY PROJECTS (2021 – 2025):</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	\$ 25,960,000
Traffic Safety Program - RPM, Pavement Markings, Signal Upgrades and Guardrail Repair/Replace, etc. Locations to be determined RLM/DJP Budget Allocations	\$ 1,150,000
Total Roadway Preservation Projects	\$ 27,110,000

PART IV

PROJECTS UNDER DESIGN OR TO BE INITIATED FOR DESIGN IN 2019 AND PROJECTS IN THE CAPITAL IMPROVEMENT PROGRAM UNDER CONSIDERATION FOR CONSTRUCTION IN 2021 AND BEYOND

<u>PROJECT AND LOCATION</u>	<u>ESTIMATED CONSTRUCTION COST</u>
CULVERT / DRAINAGE PROJECTS (2021 – 2025):	
- Locations to be determined BWM/PMO/BAZ	Budget Allocations \$ 1,650,000
	<hr/>
TOTAL	\$ 38,390,000
Projects under design or to be initiated for design in 2019	

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.

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	AWARDED CONTRACTOR	AWARDED AMOUNT
Log Jam Removals – Ten Mile Creek (Sylvania Township)	BWM	1 st Quarter	\$ 15,000	PHC, Inc.	\$ 13,200
Lake Breeze Lane Conduit Repair (Monclova Township)	BWM	1 st Quarter	\$ 18,000	Provo Construction Co., Inc.	\$ 9,834
Monclova Township Drainage Improvements (Monclova Township)	BWM	1 st Quarter	\$ 49,925	Ohio Excavating & Sewer Contractors	\$ 48,480
Zaleski Ditch Cleaning (Crissey Road to Ohio Turnpike) (Monclova Township)	BWM	1 st Quarter	\$ 80,000	T & J Excavating & Tree Clearing	\$ 23,376
Swan Creek Log Jam (Monclova Township)	BWM	1 st Quarter	\$ 7,400	PHC, Inc.	\$ 6,700
Log Jam Removals – Ten Mile Creek (Sylvania Township)	BWM	2 nd Quarter	\$ 7,000	PHC, Inc.	\$ 4,950

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	AWARDED CONTRACTOR	AWARDED AMOUNT
Clarion Road Drainage Improvement (Springfield Township)	BWM	2 nd Quarter	\$ 100,000	Kyle J. Sherman Excavating	\$ 73,213
Black Road Drainage Improvement (Monclova Township)	BWM	2 nd Quarter	\$ 100,000	Kyle J. Sherman Excavating	\$ 64,106
Apple Blossom Detention Pond (Springfield Township)	BWM	2 nd Quarter	\$ 4,000	PHC, Inc.	\$ 3,240
C.B., M.H. & Curb Inlets Drainage Improvements (Washington Township)	BWM	2 nd Quarter	\$ 93,246	Zee Construction	\$ 77,200
Branch of Blair Ditch	BWM	3 rd Quarter	\$ 30,000	G6 Infrastructure, LLC	\$ 7,450
Ottawa River Log Jam (Sylvania Township)	BWM	3 rd Quarter	\$ 49,000	PHC, Inc.	\$ 42,690

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	AWARDED CONTRACTOR	AWARDED AMOUNT
Van Dyke Culvert #3031 Extension (Jerusalem Township)	PMO	4 th Quarter	\$ 50,000	Burkhart & Sons Excavating	\$ 23,334
Ten Mile Creek Ditch Clearing Project (Sylvania Township)	BWM	4 th Quarter	\$ 840,222	Anderzack-Pitzen Construction	\$ 494,522
GRAND TOTAL			\$ 1,443,793		\$ 892,295

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
Ten Mile Creek Drainage Improvements (Sylvania Township)	BWM	1st Quarter	\$ 900,000
Shoreland Heights Subdivision Pump Petition (Washington Township)	BWM	2019	\$ 37,230
Coder Road Drainage (Monclova Township)	BWM	1st Quarter	\$ 31,332
Zaleski Ditch Cleaning (Monclova Township)	BWM	2 nd Quarter	\$ 137,000
Bancroft Woods & Wolfinger Road Drainage (include w/ 2019 OPWC Project) (Sylvania Township)	ATP/SLR	2 nd Quarter	\$ 200,000
Coder Road Culvert #685 (Monclova Township)	PMO	3 rd Quarter	\$ 80,000
Shoreland Avenue 6" Storm Sewer Repair (Washington Township)	BWM	2019	\$ 5,000
2019 Jerusalem Township Drainage	BWM	2019	\$ 60,000

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
2019 Monclova Township Drainage	BWM	2019	\$ 19,000
2019 Spencer Township Drainage	BWM	2019	\$ 50,000
2019 Springfield Township Drainage	BWM	2019	\$ 47,500
2019 Sylvania Township Drainage	BWM	2019	\$ 50,000
2019 Washington Township Drainage	BWM	2019	\$ 65,000
2019 Waterville Township Drainage	BWM	2019	\$ 50,000
Wolf Creek Log Jam (Springfield Township)	BWM	2019	\$ 25,000
Cairl Ditch Log Jam (Springfield Township)	BWM	2019	\$ 7,500

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
Peter May Ditch Improvement (Springfield Township)	BWM	2019	\$ 73,163
Geiser Road Drainage Improvements (Springfield Township)	BWM	2019	\$ 120,000
GRAND TOTAL			\$ 1,957,725

PART V

STORM WATER UTILITY

CONSTRUCTION FOR 2020

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	2020	\$ 280,000
Potter Ditch Drainage Improvement Dorr Street – Dorr Street (Springfield Township)	BWM	2020	\$ 90,000
Heldman Ditch Drainage Improvement (King Road to Plum Grove Subdivision) (Springfield Township)	BWM	2020	\$ 350,000
Brown Road at Turnau (Jerusalem Township)	BWM	2020	\$ 70,000
Sherborn and Sudbury Drainage (include w/ 2020 OPWC Project) (Springfield Township)	SLR	2020	\$ 47,000
Friedly, Rega & Herman Drainage (include w/ 2020 OPWC Project) (Sylvania Township)	ATP	2020	\$ 200,000
2020 Jerusalem Township Drainage	BWM	2020	\$ 60,000
2020 Monclova Township Drainage	BWM	2020	\$ 50,000

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
2020 Spencer Township Drainage	BWM	2020	\$ 50,000
2020 Springfield Township Drainage	BWM	2020	\$ 97,000
2020 Sylvania Township Drainage	BWM	2020	\$ 50,000
2020 Washington Township Drainage	BWM	2020	\$ 70,000
2020 Waterville Township Drainage	BWM	2020	\$ 50,000
GRAND TOTAL			\$ 1,464,000

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 2018, the consultant team led by Arcadis under contract with ODOT, has completed the stage 2 plan. Right of way acquisition is underway by ODOT, and the local funding partner group was successful in obtaining \$4 million STBGP funding to be used toward construction. Final project plans and the right of way acquisition is expected to be complete by September of 2019. ODOT is planning to submit to ODOT TRAC for construction funding at the next available application round. It is anticipated to combine this project for sale with the I-475 widening project between the Maumee River and Wolf Creek just south of SR 2.
- For the Dorr Street location, the LCTID is leading the design phase, and has a contract with a consulting team led by Tetra Tech for design. The stage 2 plan and demolition plan for the buildings needed for construction was completed in 2018. The stage 3 plan preparation is underway with final plans expected by May of 2019. The right of way acquisition is underway and is expected to be clear by July 2019. Utility relocation activity is underway. The project is being combined for sale with the I-475 widening project between Wolf Creek

PART VI

LUCAS COUNTY TRANSPORTATION IMPROVEMENT DISTRICT (LCTID)

just south of SR 2 to south of Central Avenue project, and the Dorr @ McCord Roundabout project and has an October 2019 bid date.