

Five Year Capital Improvement Plan, 2018-2022

2/6/2017

Project Year 2018

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
ADA Curb Ramp Program	\$70,000	In-House Contract New Construction	Municipal \$5 License Fee (2104) \$70,000 \$0 \$0
Retrofit and construct new curb ramps to meet current ADA regulations where required.			
Asphalt and Concrete Products	\$78,000	Repair	Street Levy (2104) \$78,000 \$0 \$0
<i>Street Repairs</i>			
Materials for street repairs performed by the Street Department.			
City Share of Sidewalk Program	\$35,000	In-House Contract Replacement	General Capital (4301) \$35,000 \$0 \$0
Annual repair/replacement program for curbs, sidewalks and approaches (CSA). City incurs cost for corners of streets and other areas outside of property owners' responsibility.			
Development Inspection Services	\$50,000	Consultant Contract New Construction	Developer Fee (2104) \$50,000 \$0 \$0
Construction inspection for new City infrastructure associated with development. Fees are paid by the developers.			

Five Year Capital Improvement Plan, 2018-2022

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Project Year 2018

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
Local Street Improvements	\$850,000	In-House Contract Repair	Street Levy (2104) \$850,000 \$0 \$0
Construction of street repairs and preventative maintenance. Steets are identified primarily based on a City-wide Condition Survey and assigned a Pavement Condition Index (PCI) number. Two-thirds of the Street Levy funds go to local streets and one-third to thoroughfares.			
Ohio Street and Wright Avenue	\$9,386	Other	Street Levy (2104) \$9,386 \$0 \$0
<i>Ohio Public Works Commission Loan Repayment 1 of 30</i> Pay back \$281,554 zero interest loan from the Ohio Public Works Commission for the 2016 reconstruction and waterline replacements.			
Traffic Signal Upgrades	\$50,000	In-House Contract Replacement	County \$5 Lic Fee Draw (2104) \$50,000 \$0 \$0
Replace equipment, wiring and fixtures for outdated or maintenance problem traffic signals. Some of Fairborn's signalized intersections are nearly 40 years old and deteriorating.			
Central Avenue	\$150,000	Consultant Contract Replacement	Street Levy (2104) \$150,000 \$0 \$0
<i>Kauffman Avenue to Dayton Drive - Design and Right-of-Way</i> Design services for the full depth reconstruction of pavement including full curb replacement, some sidewalk replacement and new striping.			

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Project Year 2018

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
<p>Colonel Glenn Highway <i>Colonel Glenn Hiwy/Kauffman Ave Intersection Realignment - Construction</i> Install a modern roundabout at the intersection of Colonel Glenn Highway and Kauffman Avenue to improve safety and efficiency for all users. Includes construction engineering.</p>	\$820,000	Consultant Contract Replacement	Street Levy (2104) \$483,306 STP Grant \$336,694 \$0
<p>Kauffman Avenue <i>Lindberg to Colonel Glenn Highway Widening - Construction</i> Construct a new thru lane for southbound traffic on Kauffman Avenue/State Route 444. Upgrades will include new curb and gutter, extending an existing culvert for the new lane, signal modifications at Garland Avenue, concrete pavement repairs, and resurfacing. Includes construction engineering.</p>	\$2,900,000	Consultant Contract New Construction	Street Levy (2104) \$589,222 STP Grant \$1,110,778 OPWC Grant \$400,000 OPWC Loan \$800,000
<p>North Fairborn Industrial Park <i>Partial Roadway</i> Install partial roadway to Industrial Park.</p>	\$600,000	In-House Contract Replacement	Street Levy (2104) \$600,000 \$0 \$0
<p>Yellow Springs-Fairfield Road Improvements <i>Design and Right-of-Way Acquisition</i> Design and right-of-way acquisition services for the Yellow Springs-Fairfield roadway project that will mill and resurface the existing pavement, add curb and gutter on both sides, a multi-use path on one side and sidewalk on the other, pedestrian crossings at Black Lane and Roehner Drive, a traffic signal at Black Lane, if warranted, and drainage improvements.</p>	\$175,373	Consultant Contract Replacement	County \$5 Lic Fee Draw (2104) \$175,373 \$0 \$0

Total Estimated Cost for: *Streets*

Project Year: 2018

\$5,787,759

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Project Year 2019

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
ADA Curb Ramp Program	\$60,000	In-House Contract New Construction	Municipal \$5 License Fee (2104) \$60,000 \$0 \$0
Retrofit and construct new curb ramps to meet current ADA regulations where required.			
Asphalt and Concrete Products	\$78,000	Repair	Street Levy (2104) \$78,000 \$0 \$0
<i>Street Repairs</i>			
Materials for street repairs performed by the Street Department.			
City Share of Sidewalk Program	\$35,000	In-House Contract Replacement	General Capital (4301) \$35,000 \$0 \$0
Annual repair/replacement program for curbs, sidewalks and approaches (CSA). City incurs cost for corners of streets and other areas outside of property owners' responsibility.			
Development Inspection Services	\$50,000	Consultant Contract New Construction	Developer Fee (2104) \$50,000 \$0 \$0
Construction inspection for new City infrastructure associated with development. Fees are paid by the developers.			

Five Year Capital Improvement Plan, 2018-2022

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Project Year 2019

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
<p>Local Street Improvements</p> <p>Construction of street repairs and preventative maintenance. Steets are identified primarily based on a City-wide condition survey and assigned a Pavement Condition Index (PCI) number. Two-thirds of the Street Levy funds go to local streets and one-third to thoroughfares.</p>	\$850,000	In-House Contract Repair	Street Levy (2104) \$850,000 \$0 \$0
<p>Ohio Street and Wright Avenue</p> <p><i>Ohio Public Works Commission Loan Repayment 2 of 30</i></p> <p>Pay back \$281,554 zero interest loan from the Ohio Public Works Commission for the 2016 reconstruction and waterline replacements.</p>	\$9,386	 Other	Street Levy (2104) \$9,386 \$0 \$0
<p>Traffic Signal Upgrades</p> <p>Replace equipment, wiring and fixtures for outdated or maintenance problem traffic signals. Some of Fairborn's signalized intersections are nearly 40 years old and deteriorating.</p>	\$50,000	In-House Contract Replacement	County \$5 Lic Fee Draw (2104) \$50,000 \$0 \$0
<p>Broad Street</p> <p><i>Sandhill Road to Spangler Road - Construction</i></p> <p>Widen Broad Street and improve intersections from Sandhill Road to Spangler Road due to anticipated industrial/commercial development in the area. Other improvements include sidewalk, curb and gutter, and turn lanes. This would improve safety and traffic flow. Includes construction engineering.</p>	\$1,598,943	Consultant Contract Rehabilitation	Street Levy (2104) \$639,578 STP Grant \$959,365

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Project Year 2019

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
<p>Maple Avenue <i>Phase 1 - Construction</i></p> <p>Construction funding for the Maple Avenue, Phase 1, roadway project that will provide new asphalt pavement, replace all curb and gutter and some sidewalk, add bike facilities, upgrade traffic signals at Doris Drive and Redbank Drive, if warranted, and add pedestrian rapid flashing beacons at non-signalized crosswalks.</p>	\$1,853,349	Consultant Contract Replacement	Street Levy (2104) \$556,005 STP Grant \$1,297,344 \$0
<p>Maple Avenue <i>Phase 2 - Design & Right-of-Way</i></p> <p>Provide new asphalt pavement, replace all curb and gutter, add bike facilities, some sidewalk, and upgrade traffic signals at Doris Drive and Redbank Drive, if warranted, and add pedestrian rapid flashing beacons at non-signalized crosswalks.</p>	\$225,000	Consultant Contract	Street Levy (2104) \$225,000 \$0 \$0
<p>Xenia Drive <i>Broad Street to Dayton Drive - Construction</i></p> <p>Asphalt milling and resurfacing. Minor design will be done in-house.</p>	\$536,630	Consultant Contract	Street Levy (2104) \$279,240 ODOT Urban Paving \$257,390 \$0

Total Estimated Cost for: *Streets*

Project Year: 2019

\$5,346,308

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Project Year 2020

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
ADA Curb Ramp Program	\$60,000	In-House Contract New Construction	Municipal \$5 License Fee (2104) \$60,000 \$0 \$0
Retrofit and construct new curb ramps to meet current ADA regulations where required.			
Asphalt and Concrete Products	\$78,000	Repair	Street Levy (2104) \$78,000 \$0 \$0
<i>Street Repairs</i>			
Materials for street repairs performed by the Street Department.			
City Share of Sidewalk Program	\$35,000	In-House Contract Replacement	General Capital (4301) \$35,000 \$0 \$0
Annual repair/replacement program for curbs, sidewalks and approaches (CSA). City incurs cost for corners of streets and other areas outside of property owners' responsibility.			
Development Inspection Services	\$50,000	Consultant Contract New Construction	Developer Fee (2104) \$50,000 \$0 \$0
Construction inspection for new City infrastructure associated with development. Fees are paid by the developers.			

Five Year Capital Improvement Plan, 2018-2022

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Project Year 2020

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
Kauffman Avenue <i>Ohio Public Works Commission Loan Repayment 1 of 30</i> Pay back \$800,000 zero interest loan from the Ohio Public Works Commission for the 2018 Kauffman Avenue widening project.	\$26,667	Other	Street Levy (2104) \$26,667 \$0 \$0
Local Street Improvements Construction of street repairs and preventative maintenance. Streets are identified primarily based on a City-wide condition survey and assigned a Pavement Condition Index (PCI) number. Two-thirds of the Street Levy funds go to local streets and one-third to thoroughfares.	\$850,000	In-House Contract Repair	Street Levy (2104) \$850,000 \$0 \$0
Ohio Street and Wright Avenue <i>Ohio Public Works Commission Loan Repayment 3 of 30</i> Pay back \$281,554 zero interest loan from the Ohio Public Works Commission for the 2016 reconstruction and waterline replacements.	\$9,386	Other	Street Levy (2104) \$9,386 \$0 \$0
Traffic Signal Upgrades Replace equipment, wiring and fixtures for outdated or maintenance problem traffic signals. Some of Fairborn's signalized intersections are nearly 40 years old and deteriorating.	\$50,000	In-House Contract Replacement	County \$5 Lic Fee Draw (2104) \$50,000 \$0 \$0

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Project Year 2020

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
<p>Central Avenue <i>Kauffman Avenue to Dayton Drive - Construction</i></p> <p>Full depth reconstruction of pavement including full curb replacement, some sidewalk replacement, and new striping.</p>	\$1,500,000	Consultant Contract Replacement	Street Levy (2104) \$750,000 ODOT Urban Paving \$350,000 OPWC Grant \$400,000
<p>Miami Valley Regional Planning Commission 2022 <i>To be Determined - Design</i></p> <p>Design services needed for the anticipated award of a Miami Valley Regional Planning Commission (MVRPC) Grant. Engineering plans to apply for and be awarded at least one project in 2016 or 2017. Design would need to begin in 2020.</p>	\$225,000	Consultant Contract Other	County \$5 Lic Fee Draw (2104) \$225,000 \$0 \$0
<p>Yellow Springs-Fairfield Road Improvements <i>Construction</i></p> <p>Mill and resurface the existing pavement, add curb and gutter on both sides, add a multi-use path on one side and sidewalk on the other, pedestrian crossings at Black Lane and Roehner Drive, a traffic signal at Black Lane, if warranted, and drainage improvements.</p>	\$1,662,492	Consultant Contract Replacement	Municipal \$5 License Fee (2104) \$98,747 STP Grant \$1,163,745 OPWC Loan \$400,000

Total Estimated Cost for: *Streets*

Project Year: 2020

\$4,546,545

Five Year Capital Improvement Plan, 2018-2022

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Project Year 2021

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
ADA Curb Ramp Program	\$60,000	In-House Contract New Construction	Municipal \$5 License Fee (2104) \$60,000 \$0 \$0
Retrofit and construct new curb ramps to meet current ADA regulations where required.			
Asphalt and Concrete Products	\$80,000	Repair	Street Levy (2104) \$80,000 \$0 \$0
<i>Street Repairs</i>			
Materials for street repairs performed by the Street Department.			
City Share of Sidewalk Program	\$40,000	In-House Contract Replacement	General Capital (4301) \$40,000 \$0 \$0
Annual repair/replacement program for curbs, sidewalks and approaches (CSA). City incurs cost for corners of streets and other areas outside of property owners' responsibility.			
Development Inspection Services	\$50,000	Consultant Contract New Construction	Developer Fee (2104) \$50,000 \$0 \$0
Construction inspection for new City infrastructure associated with development. Fees are paid by the developers.			

Five Year Capital Improvement Plan, 2018-2022

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Project Year 2021

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
<p>Local Street Improvements</p> <p>Construction of street repairs and preventative maintenance. Steets are identified primarily based on a City-wide condition survey and assigned a Pavement Condition Index (PCI) number. Two-thirds of the Street Levy funds go to local streets and one-third to thoroughfares.</p>	\$850,000	In-House Contract Repair	Street Levy (2104) \$850,000 \$0 \$0
<p>Kauffman Avenue</p> <p><i>Ohio Public Works Commission Loan Repayment 2 of 30</i></p> <p>Pay back \$800,000 zero interest loan from the Ohio Public Works Commission for the 2018 Kauffman Avenue widening project.</p>	\$26,667	 Other	Street Levy (2104) \$26,667 \$0 \$0
<p>Ohio Street and Wright Avenue</p> <p><i>Ohio Public Works Commission Loan Repayment 4 of 30</i></p> <p>Pay back \$281,554 zero interest loan from the Ohio Public Works Commission for the 2016 reconstruction and waterline replacements.</p>	\$9,386	 Other	Street Levy (2104) \$9,386 \$0 \$0
<p>Traffic Signal Upgrades</p> <p>Replace equipment, wiring and fixtures for outdated or maintenance problem traffic signals. Some of Fairborn's signalized intersections are nearly 40 years old and deteriorating.</p>	\$50,000	In-House Contract Replacement	County \$5 Lic Fee Draw (2104) \$50,000 \$0 \$0

Five Year Capital Improvement Plan, 2018-2022

2/6/2017

Project Year 2021

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
<p>Colonel Glenn Highway <i>Phase 1 - Construction</i></p> <p>Enhancements to a portion of the corridor between North Fairfield Road and University Boulevard. Some may include a new mid-block crosswalk, lighting, sidewalk, multi-use path, landscaping, drainage improvements, and brick columns.</p>	\$2,000,000	Consultant Contract Replacement	General Capital (4301) \$400,000 TA Grant \$1,600,000 \$0
<p>Maple Avenue <i>Phase 2 - Construction</i></p> <p>Construction funding for the Maple Avenue, Phase 2, roadway project that will provide new asphalt pavement, replace all curb and gutter, add bike facilities, replace some sidewalk, upgrade traffic signals at Doris Drive and Redbank Drive, if warranted, and add pedestrian rapid flashing beacons at non-signalized crosswalks.</p>	\$3,440,000	Consultant Contract Replacement	Street Levy (2104) \$804,000 STP Grant \$2,236,000 OPWC Grant \$400,000
<p>Miami Valley Regional Planning Commission 2023 <i>To Be Determined - Design</i></p> <p>Design services needed for the anticipated award of a Miami Valley Regional Planning Commission (MVRPC) Grant. Engineering plans to apply for and be awarded at least one project in 2016 or 2017. Design would need to begin in 2020.</p>	\$225,000	Consultant Contract Other	Street Levy (2104) \$225,000 \$0 \$0

Total Estimated Cost for: Streets

Project Year: 2021

\$6,831,053

Five Year Capital Improvement Plan, 2018-2022

2/6/2017

Project Year

Other

Streets

*Estimated
Total Cost*

*Engineering Performed by
Construction Performed by
Project Type*

Funding

<p>Broad Street <i>Central Avenue to Sandhill Road Diet & Enhancement - Design and Right-of-Way</i> Milling, pavement repairs, resurfacing, striping, and new median islands, storm sewer and retaining walls.</p>	<p>\$380,000</p>	<p>Consultant Contract Replacement</p>	<p>Street Levy (2104)</p>	<p>\$380,000 \$0 \$0</p>
<p>Broad Street <i>Central Avenue to Sandhill Road Diet & Enhancement - Construction</i> Milling, pavement repairs, resurfacing, striping, and new median islands, storm sewer and retaining walls.</p>	<p>\$3,400,000</p>	<p>Consultant Contract Replacement</p>	<p>Street Levy (2104) STP Grant</p>	<p>\$1,020,000 \$2,380,000 \$0</p>
<p>Broad Street <i>Dayton Drive to Central Avenue Diet & Enhancement - Design and Right-of-Way</i> Milling, pavement repairs, resurfacing, striping, new median islands, and enhancement elements.</p>	<p>\$420,000</p>	<p>Consultant Contract Replacement</p>	<p>Street Levy (2104)</p>	<p>\$420,000 \$0 \$0</p>
<p>Broad Street <i>Dayton Drive to Central Avenue Diet & Enhancement - Construction</i> Milling, pavement repairs, resurfacing, striping, new median islands, and enhancement elements.</p>	<p>\$4,200,000</p>	<p>Consultant Contract Replacement</p>	<p>Street Levy (2104) STP Grant</p>	<p>\$1,260,000 \$2,940,000 \$0</p>

Five Year Capital Improvement Plan, 2018-2022

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Project Year

Other

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
Cleary Drive Extension and Marginal Road <i>Construction</i> Extend Cleary Drive to Xenia Drive and construct a marginal road connecting Cleary Drive extension to Chapelgate Drive, improving access to the area.	\$1,056,300	Consultant Contract New Construction	Street Levy (2104) \$1,056,300 \$0 \$0
Colonel Glenn Highway <i>Paramount to East Corp Line - Design</i> Full depth reconstruction of the pavement and adding curb, sidewalk and a multi-use path.	\$300,000	Consultant Contract Replacement	Street Levy (2104) \$300,000 \$0 \$0
Colonel Glenn Highway <i>Paramount to East Corp Line - Construction</i> Full depth reconstruction of the pavement and adding curb, sidewalk and a multi-use path.	\$2,700,000	Consultant Contract Replacement	Street Levy (2104) \$810,000 STP Grant \$1,890,000 \$0
Dayton-Yellow Springs Road <i>Gateway to Trebein Road Circle - Design</i> Concrete repairs, crack filling and cole in-place recycling of existing asphalt pavement.	\$60,000	Consultant Contract Replacement	Street Levy (2104) \$60,000 \$0 \$0

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Project Year

Other

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
Dayton-Yellow Springs Road <i>Gateway to Trebein Road Circle - Construction</i> Concrete repairs, crack filling and cole in-place recycling of existing asphalt pavement.	\$1,400,000	Consultant Contract Replacement	Street Levy (2104) \$420,000 STP Grant \$980,000 \$0
Garland Avenue Extension <i>Maple Avenue to Meadowlands Drive - Design</i> Extension of Garland Avenue between its termini points, from Maple Avenue to just west of Meadowlands Drive. This will be a curb and gutter collector street with stormwater infrastructure providing east-west transportation under I-675 to spur development growth in the area.	\$150,000	Consultant Contract New Construction	Street Levy (2104) \$150,000 \$0 \$0
Garland Avenue Extension <i>Maple Avenue to Meadowlands Drive - Construction</i> Extension of Garland Avenue between its termini points, from Maple Avenue to just west of Meadowlands Drive. This will be a curb and gutter collector street with stormwater infrastructure providing east-west transportation under I-675 to spur development growth in the area.	\$1,350,000	Consultant Contract New Construction	Street Levy (2104) \$1,350,000 \$0 \$0
Ohio Street and Wright Avenue <i>Ohio Public Works Commission Loan Repayment 5 of 30</i> Pay back \$281,554 zero interest loan from the Ohio Public Works Commission for the 2016 reconstruction and waterline replacements.	\$9,386	Other	Street Levy (2104) \$9,386 \$0 \$0

Five Year Capital Improvement Plan, 2018-2022

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Project Year *Other*

Streets

	<i>Estimated Total Cost</i>	<i>Engineering Performed by Construction Performed by Project Type</i>	<i>Funding</i>
Sandhill Road <i>West Corp Line to Broad Street Widening - Design</i> Widen to three lanes in anticipation of industrial park and public works facility, new curb, shared use path and storm drainage.	\$220,000	Consultant Contract Replacement	Street Levy (2104) \$220,000 \$0 \$0
Sandhill Road <i>West Corp Line to Broad Street Widening - Construction</i> Widen to three lanes in anticipation of industrial park and public works facility, new curb, shared use path and storm drainage.	\$2,200,000	Consultant Contract Replacement	Street Levy (2104) \$1,800,000 OPWC Grant \$400,000 \$0
Trebein Road <i>Sidewalks for Candlelite and The Bluffs</i> Complete construction of the sidewalk on the west side of Trebein from Candlelite Lane to the north City limit, and on the east side of Trebein Road throughout The Bluffs development.	\$150,000	Consultant Contract New Construction	Developer Fee (2104) \$150,000 \$0 \$0

Total Estimated Cost for: *Streets*

Project Year: *Other* 17,995,686