



Five Year Capital Improvement Plan 2023-2027



Pete E. Landrum
City Manager

CAPITAL IMPROVEMENT FUNDING SOURCES

- General Fund – (Fund 101) – To account for all financial resources except those required to be accounted for in another fund. The General fund resources are available for any purpose, provided it is expended or transferred in accordance with the Charter and legislation of the City of Beavercreek and/or the general laws of the State of Ohio.
- Police Operating Fund – (Fund 202) – To account for property tax receipts designated for operation of the police department, including the payment of the employer portion of police pension fund contributions, for monies charged for police services furnished outside the City and for other revenues resulting from law enforcement operations.
- Street Levy Fund – (Fund 203) – To account for property tax receipts designated for street construction, maintenance and repair.
- Street Maintenance Fund – (Fund 204) – Required by the Ohio Revised Code to account for that portion of the state gasoline tax and motor vehicle registration fees designated for maintenance of streets within the City. (Only the original County \$5.00 Permissive Tax)
- State Highway Fund – (Fund 205) – Required by the Ohio Revised Code to account for that portion of the state gasoline tax and motor vehicle registration fees designated for maintenance of state highways within the City.
- Street Improvement Levy – (Fund 260) - To account for property tax receipts designated for street construction, maintenance and repair.
- Park Levy Fund – (Fund 279) - To account for property tax receipts designated for park capital improvements, maintenance and repair.
- Debt Service Fund – (Fund 300) – To account for resources applied to the repayment of outstanding debt obligations.
- Street Capital Improvement Fund – (Fund 408) – To account for receipts of the municipal vehicle license tax designated for the improvement of arterial streets.
- Minor Special Assessment District Projects Fund – (Fund 449) – To account for various infrastructure projects estimated to be less than one million dollars each that are required to be paid by new private developments upon petition to the City.

- Golf Course Enterprise Fund – (Fund 572) – Accounts for all operations of the City's golf course. Revenues include charges for services. Expenses are comprised of cost of operations.
- Committed Park Monies Expendable Trust Fund – (Fund 712) – To account for amounts required to be paid by residential subdividers, in lieu of the dedication of park land, for the acquisition and improvement of park sites.
- District One Impact Fee Expendable Trust Fund – (Fund 771) – To account for amounts required to be paid by developers and held in trust for future development impact costs with Impact Fee District One.
- Federal Emergency Management Fund – (Fund 250) – To account for reimbursements to the City from FEMA following a declared emergency or disaster.
- Local Coronavirus Relief Fund – (Fund 270) – To account for the revenue and expenditures associated with improvements funded through the Coronavirus Relief Act.
- American Rescue Plan Act Fund – (Fund 280) – To account for the revenue and expenditures associated with improvements funded through the American Rescue Plan Act.

PLANNING FOR STREETS, TRAFFIC CONTROL AND BRIDGES

The City's Thoroughfare Plan and the Land Use Plan provide the basis for the construction of new streets and major improvements to existing streets. Additionally, the Engineering Division conducts traffic studies and oversees development activity to assist with the upgrade of streets, traffic control devices, and bridges. Proper design, construction, maintenance and control of our transportation facilities are critical to enhancing safety, alleviating congestion and minimizing liabilities arising from traffic crashes and substandard roadways.

The City of Beavercreek's street network consists of approximately 253 centerline miles of streets, 67 traffic signal installations, 9 school zone flasher installations, 25 bridges, and 440 culverts. Maintaining and improving this roadway inventory is the City's legal responsibility and requires a substantial public investment, with the majority of this investment being targeted towards improving roadway surfaces and curb replacement.

The City of Beavercreek has been fortunate enough to be able to maintain an aggressive resurfacing program since the passage of a new 2.0 mil levy back in 2014 that has allowed for the resurfacing of 107.65 centerline miles of streets over the last 8 construction seasons. The average annual street resurfacing program length during this time period was 13.46 centerline miles, putting the City on pace to resurface all roadways within the City on a 20 year cycle assuming stable asphalt costs. During the 2015 to 2021 time period, asphalt prices remained very stable with an increase of only 7% over this time period, or an approximate annual increase of only 1%, allowing for the City to meet our annual resurfacing goals. These historically stable asphalt prices changed in 2022 where the City saw an increase of 25 percent in asphalt costs from just 2021 to 2022. This dramatic jump in asphalt costs has impacts on not only the resurfacing program, but also on the larger Capital Improvement Program. In planning for the 2023 construction season the Engineering Division is hoping for a return to more modest annual cost increases, and as bids are opened costs will be monitored carefully to see if some adjustments to the 2023 Capital Improvement Program may become necessary if construction costs continue to rise at this pace. With these cost increases, it may also become necessary to consider reducing annual resurfacing levels, the curb replacement program, or other reductions in the larger Capital Improvement Program if additional funding sources cannot be identified.

The following pages show the current general conditions of the City's roadways, and the progress of the street resurfacing efforts over the last several years. In reviewing this resurfacing information it is worth noting that during the 2019 and 2020 construction seasons the funding for resurfacing operations had to be reduced due to the tornado recovery efforts. Additional funding was dedicated to resurfacing and curb repairs in 2021 to help to make up for the shortfalls in the previous year's

efforts resulting the spikes on the following charts for the 2019 thru 2021 curb and resurfacing programs. In reviewing the overall Capital Improvement Program, it is also worth keeping in mind that the improvements listed in the plan do not represent all needed projects within the City. The goal of this plan is to include only the work that can reasonably be expected to be completed over the next 5 year period given all known funding resources.

A copy of the 'Paving Procedure and Curb Maintenance Policy' is also included. This policy is used to guide the City's paving and curb replacement efforts.

CITY OF BEAVERCREEK
PAVING PROCEDURE AND CURB MAINTENANCE

1.0 PURPOSE

- 1.01 It is the declared goal of the City of Beavercreek that curbs and public roadways shall be kept in the best possible condition as funding will allow. In meeting this goal it is seen as important that both the curbing and the pavement be addressed when a roadway is selected for maintenance. To this end, funds have been allocated for the repair of curbs and public roadways. City Council ~~herby directs~~ has directed that curbs and roadway shall be kept in good repair by and at the expense of the City and that curbs and roadways shall be maintained free from obstructions that may obstruct the flow of water or access to private property.
- 1.02 The repair of curbing along roadways that are scheduled for resurfacing shall be given priority. If funding permits, curb repairs may be performed along roadways that are not scheduled for resurfacing.
- 1.03 City Council shall review their policy periodically, including documented maintenance activities, citizen comments, and funding.

2.0 PROCEDURE

- 2.01 Purpose: The purpose of this procedure is to outline an orderly, consistent, and fiscally responsible process for roadway maintenance of all public roadways within the City limits per ORC(723.01 and 2744.02(A) (3). This procedure will provide guidelines for inspection of curb and roadway conditions, curb and roadway repair, and roadway resurfacing. This procedure will ensure the proper collection and conveyance of storm water in streets, roadway maintenance to maintain neighborhood appearance, and to ensure adequate access from public streets.
- 2.02 This policy shall apply to all existing curbs and roadways within the public right-of-way.

- 2.03 This procedure shall not apply to the installation of new curbing or roadways where no curb or roadways currently exists, or to the replacement of existing curbing due to roadway widening.

3.0 DEFINITIONS

Curb

“Crack” shall mean a fissure within a concrete curb.

“Depression” shall mean a difference in elevation within a curb, typically at a joint, created by a sunken area, hollow, or spalling.

“Joint” shall mean a cleavage created for expansion purposes that separates two or more curb sections.

“Curb(s)” shall include both the curb and the gutter that typically borders the traveled portion of the roadway.

“Spalling” shall mean a chipped or splintered condition of a curb.

“Temporary Curb Repair” shall mean a repair performed on a curb that does not bring the curb up to City of Beavercreek specifications, but is necessary to abate curb deterioration in order to maintain driveway access or storm water flow.

“Driveway Wedges” shall mean ramps placed within the curb line at driveways.

Pavement

“PCR” shall mean Pavement Condition Rating. The PCR is used to measure the extent and severity of various types of pavement deterioration. A PCR of 100 signifies a perfect pavement with no distress.

“Composite Pavement” shall mean a pavement structure consisting of an asphalt concrete wearing surface on top of a hydraulic concrete slab.

“Design Period” shall mean the number of years used in traffic loading predictions to design new or rehabilitated pavement structure.

“Flexible Pavement” shall mean a pavement structure consisting of asphalt concrete, with or without an aggregate base, placed on a prepared subgrade.

“Functional Classification” shall mean the grouping of highways by the character of service they provide.

“Rigid Pavement” shall mean a pavement structure consisting of hydraulic cement concrete, with or without an aggregate base, placed upon a prepared subgrade.

“Serviceability” shall mean the ability of a pavement to serve traffic as measured by the present serviceability index.

“Structural Defect” shall mean a part of the PCR indicating distresses that may be related to the structural characteristics of the pavement.

“Surface Treatment” shall mean work performed on a structurally sound pavement intended to preserve the pavement, retard future deterioration, and maintain or improve the functional characteristics without substantially increasing the structural capacity. Surface treatments include such things as pavement rejuvenators, microsurfacing, thin overlays, and slurry seals.

4.0 TECHNICAL REFERENCES

4.01 Pavement Condition Rating System (Ohio Department of Transportation, April 2006)

4.02 Pavement Design Manual (Ohio Department of Transportation, July 2016)

4.03 **Important Note:** While these documents are seen as useful reference tools, they must be applied to the City's pavement maintenance program with caution and within proper engineering judgement. The Ohio Department of Transportation (ODOT) publishes these documents for the maintenance of ODOT pavements only. The interstates, US Routes, and State Routes that ODOT maintains are characterized by heavier vehicular and truck traffic volumes that are not typically seen on many of the City maintained pavements, which is a major factor in pavement longevity. Additionally, these ODOT maintained roadways typically have a higher functional classification than the neighborhood streets that comprise most of the City roadway inventory. Roadways with a higher functional classification typically require a higher serviceability index (e.g. more frequent pavement treatments) than neighborhood streets would.

5.0 MAINTENANCE

5.01 Maintenance of Curbs and Roadways: The City of Beavercreek will perform necessary curb repairs within the public right-of-way along with resurfacing of roadways as available funding permits.

5.02 The City of Beavercreek will provide spot replacement of curb as part of the annual roadway resurfacing program. Curb spot replacement will be provided on streets that will be resurfaced on the program for that year.

5.03 Driveway wedges shall not be permitted. If a driveway wedge is discovered during an inspection, the driveway wedge shall be ordered to be removed as part of the curb replacement under the annual resurfacing program.

- 5.04 In cases where roll curbing exists at driveway approaches, drop curb should be installed and any necessary work on the driveway approach to match the grade of the new drop curb should be performed.

6.0 PROCEDURE

- 6.01 Review the street database containing each roadway segment for pavement age and PCR. This review is to ensure that the database is current, and that the previous year's maintenance efforts have been properly logged into the database.
- 6.02 Identify (at a minimum) the pavement segments that are the oldest 10 percent within the City's inventory. This currently equates to just over 25 centerline miles of roadway. This list is then compared to the streets on the 5 year Capital Plan, and any resident pavement condition remarks on record. Following this review, the preliminary street resurfacing list is generated.
- 6.03 The preliminary resurfacing street listing is then forwarded to the Street Superintendent, the PASD, and City Manager for their review and comment.
- 6.04 Incorporate any comments received and generate the updated preliminary street listing for field evaluation.
- 6.05 Complete field reviews of preliminary list roadways during dry days in late autumn/early winter months. This review is accomplished by driving each roadway segment on the preliminary list, and in updating the PCR for each of these roadway segments along with identifying deteriorated curb on these roadways.
- 6.06 Revise the plan based upon field observations and updated PCR scores and submit for input to the PASD, City Manager, and Street Superintendent by the end of January.
- 6.07 Complete final annual resurfacing and curb replacement program list after review and comment period to include Base Program and Alternate Program streets to match available funding. In creating the final street resurfacing list, the following factors are considered:
- (a) Normally, roadways with an estimated traffic volume of 2,000 vehicles per day or greater should not be permitted to go longer than 20 years without treatment. Roadways with a functional classification of arterial or collector are given preference over lower volume neighborhood streets.
 - (b) Roadways with estimated traffic volumes of less than 100 vehicles per day may be permitted to go longer than 20 years between treatments if required due to funding limitations.
 - (c) Pavement age and updated PCR scores are ranked and reviewed.
 - (d) Citizen comments.
 - (e) Staff comments.
- 6.08 Prepare the bid package to utilize available programs to maximize cost savings and to obtain best prices possible.

- 6.09 If an agreement is required, take the agreement before Council for permission to authorize the City Manager to enter into agreement.
- 6.10 Put the Final Program on the City website and state that revisions may be made after bid opening.
- 6.11 Review bid results and quantities to determine if additional streets can be added to the program.
- 6.12 Add information of the revised program to the City website.
- 6.13 After completion of the revised program, determine Round 2 paving to be completed before the end of the construction season.
- 6.14 Share Round 2 with the City Manager, PASD and Street Superintendent. After approval, put on the website and notify the contractor of the additional roadways.

7.0 CONDITIONS THAT MERIT CURB REPLACEMENT

- 7.01 The City Engineer, or designee, shall consider the following conditions which, if not addressed, could obstruct the flow of storm water or driveway access, in determining whether to order a section of curb replaced:
 - (a) There is a difference in height at the Joint that could cause the ponding of water greater than one-half (1/2) inch in depth at any location.
 - (b) Excessive spalling or curb deterioration that where the flow of water may be impacted, or where driveway access may be impeded.
 - (c) There is a Crack greater than one-half (1/2) inch in width.
 - (d) There is a Depression greater than one-half (1/2) inch within the curb line.
 - (e) Any curb damage due to the removal of a driveway wedge.

This list of conditions is not a complete list of conditions. The City Engineer, or designee, may encounter other conditions that could develop into a hazard and therefore may address those conditions as though they were in this section.

- 7.02 Residents who have curbs that meet the above conditions for replacement and desire to have their curb replaced in advance of the City schedule may petition the City for improvement through assessment.

- (a) Improvements will be made in a minimum of one street block increments.
Both sides of the street for the one block increment will need to be improved.
- (b) The process will follow the petition requirements identified in ORC 727.06
- (c) A sample petition is attached to this policy

8.0 TEMPORARY CURB REPAIR

- 8.01 No curb shall be ordered or arranged to be repaired by way of crack fillers, asphalt patching, surface treatments or the like except as a temporary measure pending replacement. Curbs which, upon inspection, are noted to have been temporarily repaired shall be replaced.

9.0 SUMP PUMP DISCHARGE

- 9.01 No sump pump discharge lines, or down spout lines shall be permitted to flow directly into the gutter line unless specifically approved in writing by the City Engineer.

10.0 ADDITIONAL ITEMS

- 10.01 To maximize roadway lifespan, base repairs are completed prior to paving.
- 10.02 Roadways that contain sidewalk with curb ramps are upgraded to current ADA requirements as needed as part of resurfacing.
- 10.03 For uncurbed roadways, paving consists of an overlay or a mill and fill depending on surface conditions and deterioration.
- 10.04 Curb roadways have a fixed roadway elevation to function as designed. In order to function as designed, resurfacing consists of mill and fill to remove surface deteriorations and to restore pavement to the existing elevation. If curb sections were just overlaid, this would cause curb and gutter to not function as designed for stormwater along roadways.
- 10.05 For curbed roadways, curb repair will be completed as part of resurfacing prior to resurfacing the roadway.
- 10.06 All wedges along roads to be resurfaced are removed prior to resurfacing due to the liability to the City and to carry water as designed in the gutter of these roadways.
- 10.07 The roadway database is updated yearly with new evaluations, new roadways, and repaved roadways. This database is linked to a GIS file to display these graphically using GIS software.

11.0 SURFACE TREATMENTS

- 11.01 Surface treatments, such as pavement rejuvenators, microsurfacing, thin overlays, and slurry seals can help lengthen pavement life, but using these products reduces funding available for asphalt resurfacing efforts. Because of this, surface treatments shouldn't be considered until the City's pavement

inventory is closer to the goal of having all pavements being less than 20 years old.

12.0 DOCUMENTATION; REVIEW AND MODIFICATION OF PROCEDURE

- 12.01 The City Engineer, or designee, will document curb maintenance activities, and keep on file all citizen comments and complaints regarding this procedure and/or curb maintenance in general.
- 12.02 The City Manager and Public Administrative Services Director shall also review any factors/circumstances affecting this procedure or its implementation and recommend program goals for the future to City Council through the Annual budgeting process.

CURB PETITION

**TO THE COUNCIL OF THE
CITY OF BEAVERCREEK,
COUNTY OF GREENE,
STATE OF OHIO:**

We hereby petition Beavercreek City Council to perform curb replacement work along _____, between the intersections of _____ and _____.


By signing this petition I represent that I am a property owner within the limits described above, and that I hereby consent to the assessment of any and all costs associated with this curb replacement work against my property as provided for in Chapter 727 of the Ohio Revised Code. I further consent to the levying of assessment costs on an annual basis for a period not to exceed five (5) years.


It is understood that the City of Beavercreek will require at least sixty (60) percent of benefitting land owners along a block to voluntarily sign this petition before proceeding with any curb replacement work. Additionally, it is understood that this curb replacement work must include at least one block and both sides of a public street before curb replacement work will be considered.

	Printed Name	Signature	Address
1			
2			
3			
4			
5			
6			
7			

Contact Person: _____

Date: _____ Phone Number _____

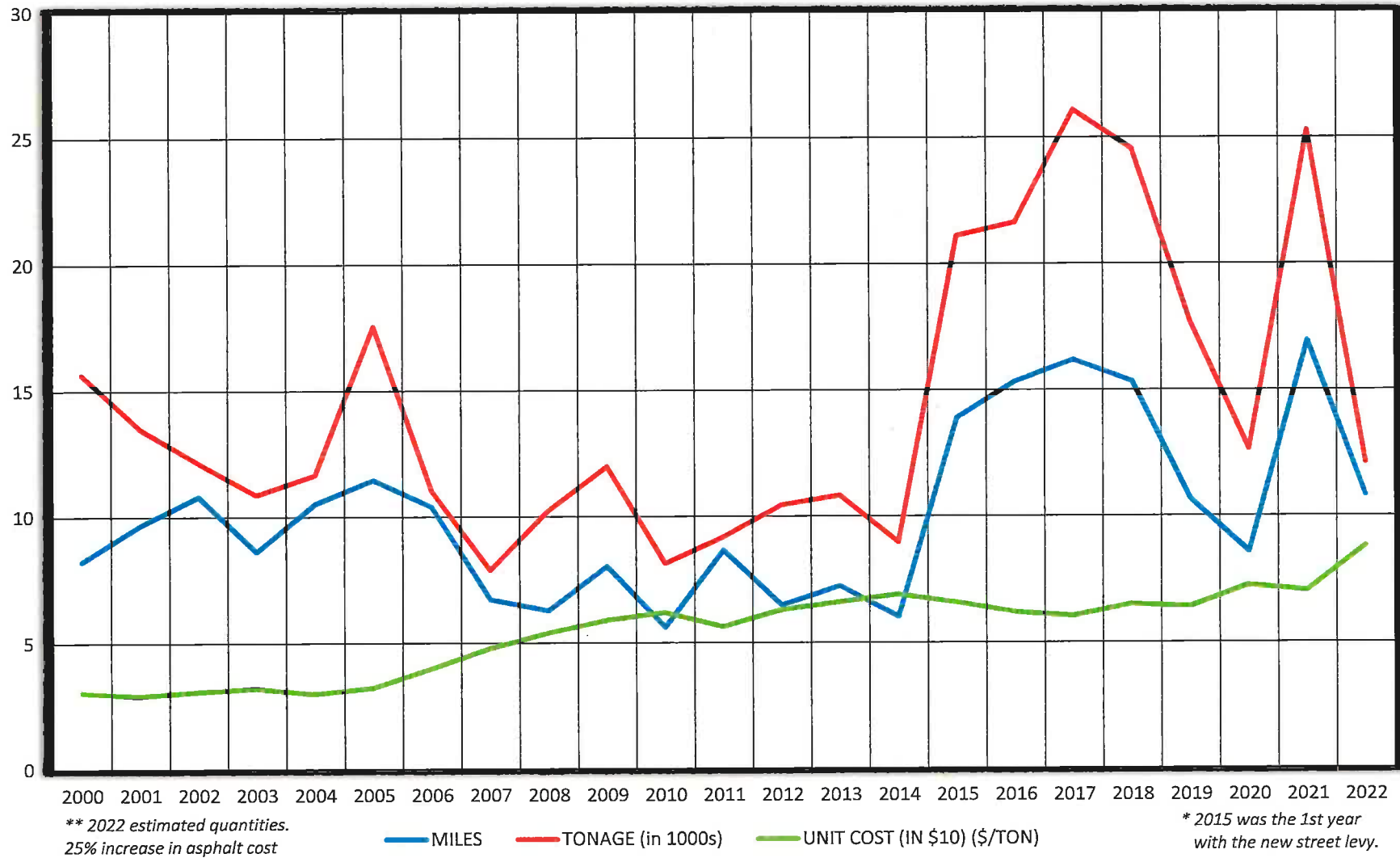
Approved By:  Date: 4-29-19
Jeff Moorman, City Engineer

Approved By:  Date: 4-20-19
Mike Thonnerieux, Public Administrative Services Director

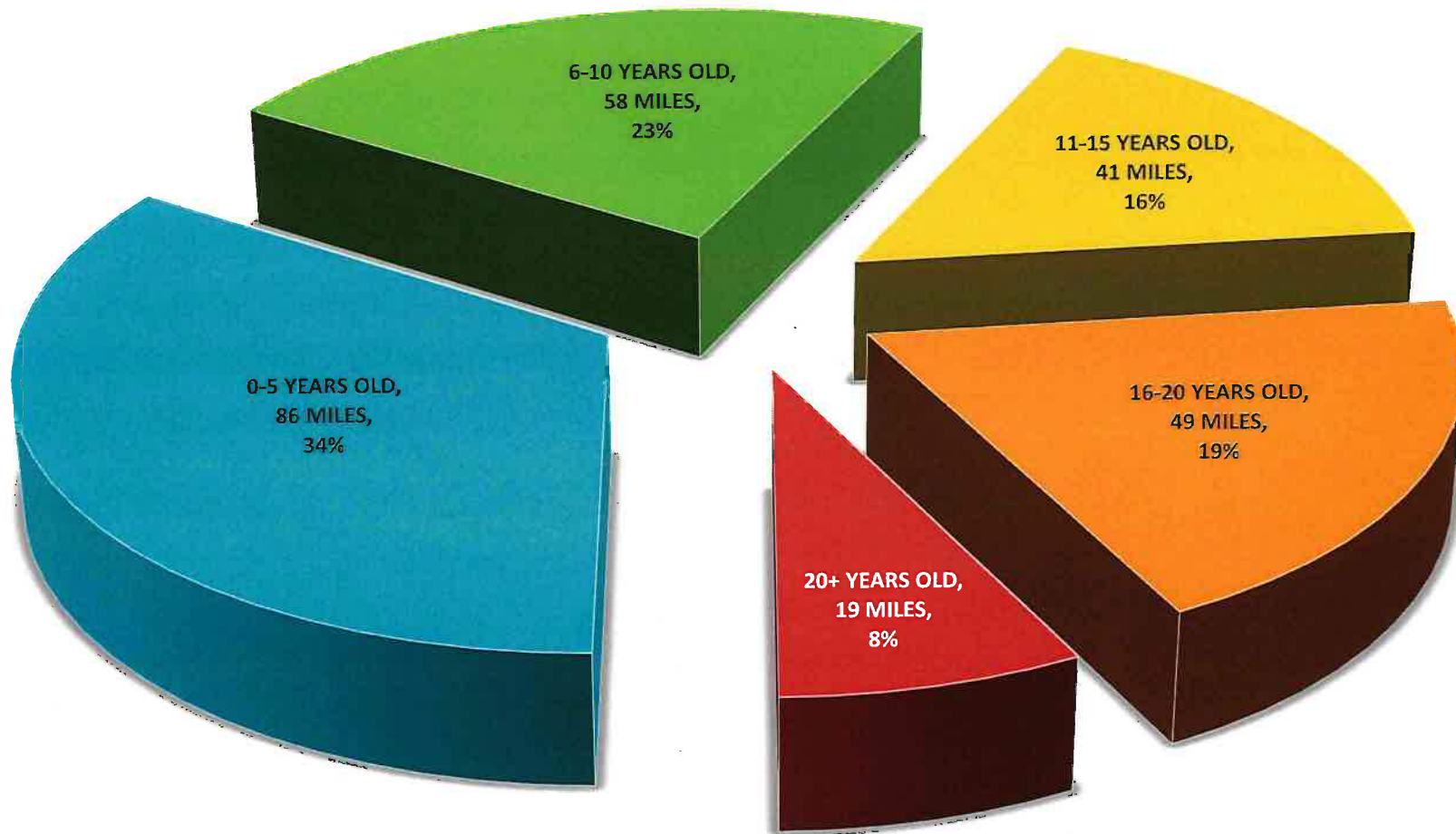
CITY OF BEAVERCREEK

ANNUAL RESURFACING PROGRAM

HISTORICAL DATA 2000-PRESENT



2022 PAVEMENT CONDITION SUMMARY - AGE

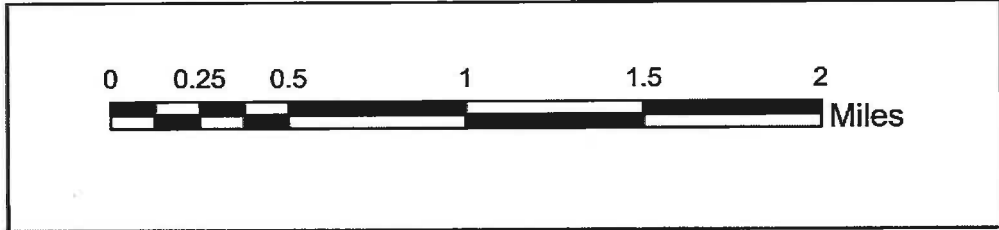
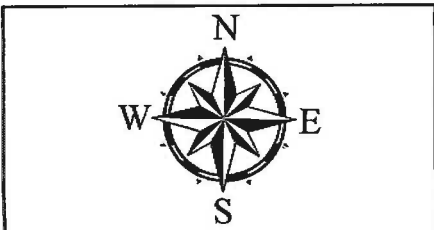


Public Street Pavement Age



Legend
Pavement Age

- 21+
- 16-20
- 11-15
- 6-10
- 0-5



In the State of Ohio, each municipality is directed to maintain an inventory of all bridges within or partially within its boundary and the agency responsible for the maintenance and inspection of those structures. The Engineering Division maintains the City's bridge inventory records and oversees the annual inspection of all bridges that are the City of Beavercreek's maintenance responsibility. The City of Beavercreek currently maintains a total of 25 bridges, with 6 of these structures carrying pedestrians/bicyclists and 19 carrying vehicular traffic. A list that shows maintenance responsibility for all bridges within the City is supplied below:

Category No.	Inspection Responsibility	Maintenance Responsibility	No.	Classification
1.	State of Ohio	State of Ohio	21	Bridges over or under I-675.
2.	State of Ohio	State of Ohio	24	Bridges over or under State Highways.
3.	Greene Co. Engr.	Greene Co. Engr	11	Bridges over or under Through Streets.
4.	City of Beavercreek	City of Beavercreek	25	Bridges on or over Local Streets

Generally, all bridges along I-675 and State Highways are maintained by the Ohio Department of Transportation, extensions of County Routes through the City are maintained by the Greene County Engineer, with all others being maintained by the City.

All of these bridges are inspected on an annual basis. Once inspected the results are forwarded to the Ohio Department of Transportation, with the inspection results being utilized in the prioritization of funding for bridge repairs and replacements. The overall condition of each bridge is expressed as a 'General Appraisal Rating' utilizing a number system between 9 (excellent condition) and 1 (imminent failure). A listing of the current general appraisal ratings for the bridges maintained by the City is shown on the next page. Based upon the latest round of inspections, all of the City maintained bridges have a condition rating of good to excellent, with the exception of three (3) bridges that are rated in the fair to poor category. The structures that will require work in the near future consist of two (2) bikeway bridges and one (1) roadway bridge. The roadway bridge listed to be in poor condition is scheduled for replacement with the Shakertown Road Widening Project in 2023, while the Merrick Park pedestrian bridge is planned for replacement in 2024. The other pedestrian structure listed to be in poor condition is located along the Creekside Trail and is scheduled for maintenance work in 2025.

Asset Name	(221A) Inspection Program Responsibility(A)	NBI 007: Facility Carried by Structure	NBI 006: Feature Intersected	NBI 042A: Type of Service: ON Bridge	NBI 043A: Structure Type, Main: Kind of Material/Design	NBI 043B: Structure Type, Main: Type of Design/Construction	NBI 021: Maintenance Responsibility	(263) Date Built	(264) Major Reconstruction Date	NBI 049: Structure Length	(306) NBIS Bridge Length	NBI 045: Number of Spans In Main Unit	(424) Deck Area	(67.01) General Appraisal (lowest bold)	Unofficial Sufficiency Rating	(67.03) Bridge Condition: Good, Fair, Poor
GRE-1204K-0011 (2961598)	04 - City or Municipal Highway Agency	TWELVE OAKS TR.	FAIRBROOK SCHOOL TRIB	5 - Highway-pedestrian	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1988		22.0	20.0	1	770	7	100.0	1 - Good
GRE-AUTLF-0020 (2961587)	04 - City or Municipal Highway Agency	AUTUMN LEAF DRIVE	TRIB TO LITTLE BEAVER CR	5 - Highway-pedestrian	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1998		26.0	26	1	550	7	100.0	1 - Good
GRE-AUTLF-0034 (2961895)	04 - City or Municipal Highway Agency	AUTUMN LEAF DRIVE	TRIB TO LITTLE BEAVER CK	5 - Highway-pedestrian	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1998		22.0	20.0	1	480	6	100.0	2 - Fair
GRE-BIGWD-0071 (2961814)	04 - City or Municipal Highway Agency	BIG WOODS TRAIL	NEW GERMANY BRANCH	5 - Highway-pedestrian	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/2005		20.0	20	1	304	6	39.0	2 - Fair
GRE-BKWAY-0086 (2961776)	04 - City or Municipal Highway Agency	BIKEWAY	BRANCH LITTLE BEAVER CRK	3 - Pedestrian-bicycle	8 - Masonry	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1990		17.0	17	1	430.5	6	24.0	2 - Fair
GRE-BKWAY-0379 (2961794)	04 - City or Municipal Highway Agency	BIKEWAY	BRANCH LITTLE BEAVER CRK	3 - Pedestrian-bicycle	3 - Steel	02 - Stringer/Multi-beam or Girder	04 - City or Municipal Highway Agency	07/01/1990		35.0	35.000	1	762	5	24.0	2 - Fair
GRE-BKWAY-0449 (2961792)	04 - City or Municipal Highway Agency	BIKEWAY	BEAVER CREEK	3 - Pedestrian-bicycle	3 - Steel	01 - Girder and Floorbeam System	04 - City or Municipal Highway Agency	07/01/1990		60.0	60.000	1	576	6	100.0	2 - Fair
GRE-BRIDD-0-25 (2961563)	04 - City or Municipal Highway Agency	BRIDDELEWOOD ST	BRIDDELEWOOD CREEK	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1972		24.0	24	3	528	7	100.0	1 - Good
GRE-BRIDD-0035 (2961474)	04 - City or Municipal Highway Agency	BRIDDELEWOOD ST	DRAINAGE DITCH	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/2000		22.0	20.00	1	810.02	7	19.8	2 - Fair
GRE-BUCKE-0010 (2961806)	04 - City or Municipal Highway Agency	BUCKEY STREET	GREENE COIN BKWAY	3 - Pedestrian-bicycle	2 - Concrete continuous	04 - Tee Beam	04 - City or Municipal Highway Agency	07/01/2009		80.2	80.2	3	468	8	100.0	1 - Good
GRE-CROSS-0-10 (2961660)	04 - City or Municipal Highway Agency	CROSS CREEK COURT	BULLSKIN RUN	5 - Highway-pedestrian	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/2012		18.0	18	1	2304	6	11.0	2 - Fair
GRE-DAYTO-0020 (2961768)	04 - City or Municipal Highway Agency	GREENE COIN BKWAY	DAYTON XENIA ROAD	3 - Pedestrian-bicycle	3 - Steel	03 - Girder and Floorbeam System	04 - City or Municipal Highway Agency	07/01/1982		144.0	144	2	299	7	99.1	1 - Good
GRE-EPATT-0071 (2961628)	04 - City or Municipal Highway Agency	E. PATTERSON RD.	DRAINAGE DITCH	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1986		13.0	13	2	864	7	98.0	1 - Good
GRE-FAIRW-0044 (2961901)	04 - City or Municipal Highway Agency	FAIRWOOD DR.	BULLSKIN RUN	5 - Highway-pedestrian	1 - Concrete	11 - Arch - Deck	04 - City or Municipal Highway Agency	07/01/1990		18.0	18	1	2115	8	75.1	1 - Good
GRE-GHALL-0248 (2961504)	04 - City or Municipal Highway Agency	GRANGE HALL RD.	LITTLE BEAVER CREEK	1 - Highway	5 - Prestressed concrete	05 - Box Beam or Girders - Multiple	04 - City or Municipal Highway Agency	07/01/1964	08/01/2012	70.5	70.5	1	624	7	99.1	1 - Good
GRE-GHALL-0373 (2961466)	04 - City or Municipal Highway Agency	GRANGE HALL ROAD	BRA LITTLE BEAVER CREEK	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1999		26.0	26	1	1368	7	95.5	1 - Good
GRE-HANES-0072 (2961520)	04 - City or Municipal Highway Agency	HANES RD.	BRA LITTLE BEAVER CREEK	1 - Highway	5 - Prestressed concrete	05 - Box Beam or Girders - Multiple	04 - City or Municipal Highway Agency	07/01/1975	01/01/2012	38.0	38	1	1104.95	9	98.6	1 - Good
GRE-HANES-1-65 (2960000)	04 - City or Municipal Highway Agency	HANES ROAD	GRAYS RUN	5 - Highway-pedestrian	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/2014		28.7	28.7	1	459.68	7	98.5	1 - Good
GRE-LOCKE-00-060 (2961556)	04 - City or Municipal Highway Agency	LOCKE DRIVE	NEW GERMANY BRANCH	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	06/07/2020		22.1	19.9	1	1891.4	9	100.0	1 - Good
GRE-OLDML-0000 (2961483)	04 - City or Municipal Highway Agency	OLD MILL LANE	LITTLE BEAVER CREEK	1 - Highway	3 - Steel	02 - Stringer/Multi-beam or Girder	04 - City or Municipal Highway Agency	12/30/2019		77.2	77.2	1	1099.8	8	79.1	1 - Good
GRE-SHAKE-01-22 (2961500)	04 - City or Municipal Highway Agency	SHAKERTOWN ROAD	NOAHS RUN	5 - Highway-pedestrian	1 - Concrete	07 - Frame (except frame culverts)	04 - City or Municipal Highway Agency	10/01/2019		14.1	14.1	1	506	5	87.4	2 - Fair
GRE-SHAYE-0274 (2961547)	04 - City or Municipal Highway Agency	SHAKERTOWN RD.	BRA OF LITTLE BEAVER	1 - Highway	3 - Steel	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1960		23.0	23	2	540	6	89.5	2 - Fair
GRE-SYLVA-0-30 (2961652)	04 - City or Municipal Highway Agency	STYLANIA DR.	DRAINAGE SWALE	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	04 - City or Municipal Highway Agency	07/01/1982		15.0	15	2	1496	7	98.0	1 - Good
GRE-WHSPN-0025 (2961679)	04 - City or Municipal Highway Agency	TORNEY PINES	BRANCH OF BEAVER CREEK	1 - Highway	1 - Concrete	11 - Arch - Deck	04 - City or Municipal Highway Agency	07/01/1996		34.0	34	1	560	6	97.5	2 - Fair
GRE-C0002-0364 (2934280)	02 - County Highway Agency	ALPHA BELLBROOK RD	TRIBUTARY LITTLE MIAMI	1 - Highway	5 - Prestressed concrete	05 - Box Beam or Girders - Multiple	02 - County Highway Agency	07/01/1984		20.0	20	1	1467.2	8	89.1	1 - Good
GRE-C0009-0147 (2934043)	02 - County Highway Agency	FAIRFIELD RD	BRA LITTLE BEAVER CREEK	1 - Highway	5 - Prestressed concrete	05 - Box Beam or Girders - Multiple	02 - County Highway Agency	07/01/1991		28.0	28	1	600	7	84.4	1 - Good
GRE-C0009-0264 (2934000)	02 - County Highway Agency	NORTH FAIRFIELD RD	TRIB TO LITTLE BEAVER	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	02 - County Highway Agency	07/01/1976		25.0	25	1	24633	8	91.0	1 - Good
GRE-C0009-0317 (2934027)	02 - County Highway Agency	NORTH FAIRFIELD RD	LITTLE BEAVER CREEK	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	02 - County Highway Agency	07/01/2003		20.0	20	1	1040	7	74.3	1 - Good
GRE-C0009-0451 (2934095)	02 - County Highway Agency	NORTH FAIRFIELD RD	BRANCH LITTLE BEAVERCRK	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	02 - County Highway Agency	07/01/1979		16.0	16	1	884.6	8	99.6	1 - Good
GRE-C0040-0232 (2934167)	02 - County Highway Agency	KEMP RD	BRA LITTLE BEAVER CREEK	1 - Highway	1 - Concrete	07 - Frame (except frame culverts)	02 - County Highway Agency	07/01/1996		18.0	18	1	720	8	76.5	1 - Good
GRE-C0051-0263 (2930927)	02 - County Highway Agency	NEW GERMANY TREG	GOLF CART PATH	1 - Highway	1 - Concrete	07 - Frame (except frame culverts)	02 - County Highway Agency	07/01/1981	12/30/2009	14.0	14	1	672	8	99.6	1 - Good
GRE-C0142-0093 (2930714)	02 - County Highway Agency	DAY-XENIA RD	TRIB LITTLE BEAVER CREEK	1 - Highway	3 - Steel	19 - Culvert (includes frame culverts)	02 - County Highway Agency	07/01/1989		11.0	11	1	374	6	99.6	2 - Fair
GRE-C0142-0172 (2930722)	02 - County Highway Agency	DAY-XENIA RD	TRIB LITTLE BEAVER CREEK	1 - Highway	1 - Concrete	19 - Culvert (includes frame culverts)	02 - County Highway Agency	07/01/1998		38.0	38	1	912	8	99.6	1 - Good
GRE-C0142-0355 (2930730)	02 - County Highway Agency	DAYTON XENIA RD	TRIB LITTLE BEAVERCREEK	1 - Highway	5 - Prestressed concrete	05 - Box Beam or Girders - Multiple	02 - County Highway Agency	07/01/1965	08/06/2012	86.0	86	2	2580	7	78.9	1 - Good
GRE-T0048-00128 (2931363)	02 - County Highway Agency	FACTORY ROAD	LITTLE BEAVERCREEK	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		186.0	186	4	15232	6	95.0	2 - Fair
GRE-00035-0008L (2902966)	01 - State Highway Agency	US 35	DAYTON-XENIA ROAD	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		186.0	186	4	12834	6	96.0	2 - Fair
GRE-00035-0008R (2902974)	01 - State Highway Agency	US 35	IR 675 S US 35 E	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		425.0	425	5	24607.3	6	92.5	2 - Fair
GRE-00035-0055L (2903068)	01 - State Highway Agency	US 35	IR 675 S US 35W	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		414.0	414	5	10720.6	6	98.8	1 - Good
GRE-00035-0055R (2903016)	01 - State Highway Agency	US 35 E-IR 675 N	IR 675 S RAMP/IR 675	6 - Overpass structure at an Interch	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		242.0	242	5	94.0	2 - Fair		
GRE-00035-0074 (2903033)	01 - State Highway Agency	WB US 35	US35-US35*W RAMP	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		214.0	214	3	11192.2	7	99.0	1 - Good
GRE-00035-0107L (2903067)	01 - State Highway Agency	WB US 35	GRANGE HALL ROAD	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		214.0	214	3	9880.2	7	95.8	1 - Good
GRE-00035-0107R (2903075)	01 - State Highway Agency	EB US 35	GRANGE HALL ROAD	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		214.0	214	3	6883.4	7	85.0	2 - Fair
GRE-00035-0207 (2900092)	01 - State Highway Agency	US 35	CLOSED RAMP-SB35*E-US35*	1 - Highway	3 - Steel	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1955	10/10/1996	77.0	77	1	8632.47	7	85.0	2 - Fair
GRE-00035-0227 (2900122)	01 - State Highway Agency	US 35	LITTLE BEAVER CREEK	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1955	10/30/1996	111.1	111.083	2	19188.16	6	73.2	2 - Fair
GRE-00035-0265 (2900149)	01 - State Highway Agency	SR835 N. FAIRFIELD	US 35	5 - Highway-pedestrian	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/2002		195.2	195.167	2	1152	6	70.0	2 - Fair
GRE-00035-0284 (2900157)	01 - State Highway Agency	US 35	TRIB LITTLE BEAVER CRK	1 - Highway	3 - Steel	19 - Culvert (includes frame culverts)	01 - State Highway Agency	07/01/1955		10.0	10	1	960	7	70.0	1 - Good
GRE-00035-0383 (2900181)	01 - State Highway Agency	US 35	TRIB LITTLE BEAVER CRK	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1955		132.1	132.083	3	13942.1	7	85.0	1 - Good
GRE-00035-0455 (2900211)	01 - State Highway Agency	US 35	BEAVER CREEK	1 - Highway	6 - Prestressed concrete continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1955	06/02/2021	225.0	225	3	24525	6	95.0	2 - Fair
GRE-00035-0614 (2900289)	01 - State Highway Agency	US 35	LITTLE MIAMI RIVER	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1986		227.0	227	2	9579.4	7	96.0	1 - Good
GRE-00675-0216 (2903210)	01 - State Highway Agency	WAGNER RD	IR 675	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		10.0	10	1	10805.2	7	80.0	1 - Good
GRE-00675-0216E (2903229)	01 - State Highway Agency	WAGNER RD	TRIB LIT SUGAR CR/IR R/W	1 - Highway	3 - Steel	19 - Culvert (includes frame culverts)	01 - State Highway Agency	07/01/1983		227.0	227	2	11032.2	7	95.0	1 - Good
GRE-00675-0309 (2903243)	01 - State Highway Agency	INDIAN RIPLE RD E	IR 675 RAMP+ROAD*E-IR675*N	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1986		227.0	227	2	6350.6	7	90.1	1 - Good
GRE-00675-0310 (2903253)	01 - State Highway Agency	INDIAN RIPLE RD W	IR 675 RAMP+ROAD*E-IR675*N	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1986		113.0	113	3	6780	7	98.0	1 - Good
GRE-00675-0352L (2903296)	01 - State Highway Agency	SB IR 675	VINELAND TRAIL	1 - Highway	2 - Concrete continuous	01 - Slab	01 - State Highway Agency	07/01/1983		113.0	113	3	11827.2	7	95.0	1 - Good
GRE-00675-0352R (2903318)	01 - State Highway Agency	NB IR 675	VINELAND TRAIL	1 - Highway	2 - Concrete continuous	01 - Slab	01 - State Highway Agency	07/01/1983		256.0	256	2	9576	7	93.0	1 - Good
GRE-00675-0445 (2903342)	01 - State Highway Agency	SHAKERTOWN RD	IR 675	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		171.0	171	3	9576	7	93.0	1 - Good
GRE-00675-0512L (2903377)	01 - State Highway Agency	SB IR 675	PATTERSON ROAD	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		171.0	171	3	560	6	92.6	2 - Fair
GRE-00675-0512R (2903385)	01 - State Highway Agency	NB IR 675	PATTERSON ROAD	1 - Highway	4 - Steel continuous	19 - Culvert (includes frame culverts)	01 - State Highway Agency	07/01/1983		14.0	14	2	10696	8	86.7	1 - Good
GRE-00675-0514W (2903393)	01 - State Highway Agency	IR 675	TRIB LIT SUGAR CR/IR R/W	1 - Highway	1 - Concrete	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		191.0	191	3	11251.5	7	94.0	1 - Good
GRE-00675-0520L (2903415)	01 - State Highway Agency	SB IR 675	LITTLE BEAVER CREEK	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		195.0	195	4	12873.6	7	96.0	1 - Good
GRE-00675-0520H (2903423)	01 - State Highway Agency	NB IR 675	LITTLE BEAVER CREEK	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1983		195.0	195	4	25255.6	7	96.0	1 - Good
GRE-00675-0533L (2903446)	01 - State Highway Agency	SB IR 675	SR 835	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		412.0	412	5	4521	7	37.0	1 - Good
GRE-00675-0533R (2903474)	01 - State Highway Agency	NB IR 675	SR 835	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		411.0	411.000	4	13860	6	95.0	2 - Fair
GRE-00675-0575 (2903504)	01 - State Highway Agency	RAMP US35E-IR675N	IR 675 RAMP/IR 675	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1985		462.0	462	4	15292.2	7	77.0	1 - Good
GRE-00675-0516 (2903588)	01 - State Highway Agency	DAYTON-XENIA RD C-	IR 675 RAMP/IR 675	1 - Highway	4 - Steel continuous	02 - Stringer/Multi-beam or Girder	01 - State Highway Agency	07/01/1984		462.0	462	4	20836.2	7	84.0	1 - Good
GRE-00675-0634 (2903636)																

The City of Beavercreek aggressively pursues funding for roadway improvement projects from several sources and has been successful in the past in obtaining State and Federal funds for eligible projects. As indicated on the table on the next page, since 1997 the City has been the recipient of over \$108 Million dollars in State and Federal Funding, allowing for the construction of over \$135 million in infrastructure improvements over this time period. This aggressive approach toward grant acquisition has, on the average, yielded a ratio of approximately 5:1 grant to local funds, thus stretching the local tax dollars and allowing for occasional funding of non-grant related projects.

The primary objective of the 2023-2027 Capital Improvement Plan for streets and traffic is to provide the motoring public a well maintained and safe transportation system as economically as possible within available projected resources. While the roadway improvement projects listed in this plan are feasible given current grant and City financial resources, this document should not be considered to be a comprehensive plan to meet all outstanding needs for the City's roadway network. There are many projects along the City's roadway network that are not listed in this plan that would improve traffic flow and address maintenance needs that are not listed due to funding limitations.

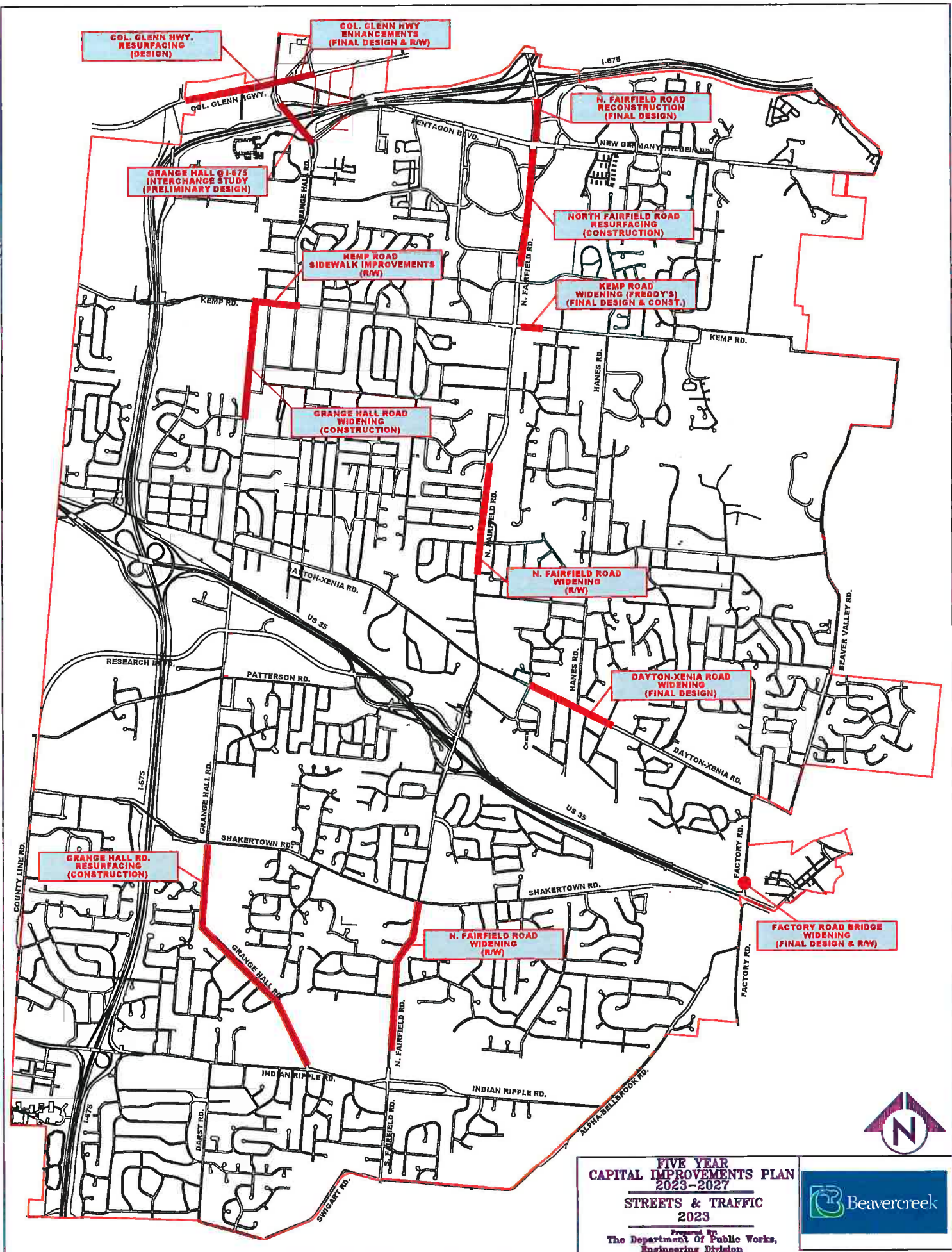
GRANT LISTING

10/27/2022

CONSTRUCTION	PROJECT DESCRIPTION	FUNDING SOURCE	CONSTRUCTION FUNDS		
YEAR			LOCAL	GRANTS	TOTAL
1997	County Line Road Widening	OPWC/FHWA	\$240,000.00	\$960,000.00	\$1,200,000.00
1997	North Fairfield/ Dayton-Xenia Road Streetscape	FHWA	\$227,805.00	\$462,195.00	\$690,000.00
1997	N. Fairfield Resurfacing	FHWA	\$122,800.00	\$491,200.00	\$614,000.00
1997	H-Connector Bikeway	FHWA	\$245,000.00	\$1,275,600.00	\$1,520,600.00
1998	Indian Ripple (North Fairfield Phase I)	OPWC	\$37,000.00	\$333,000.00	\$370,000.00
1999	Indian Ripple (North Fairfield Phase II)	OPWC	\$80,000.00	\$720,000.00	\$800,000.00
1999	N. Fairfield Rd. Corridor Crash Study	GHSO	\$0.00	\$27,375.00	\$27,375.00
1999	Grange Hall Road Signal Upgrade	FHWA	\$0.00	\$198,000.00	\$198,000.00
2000	Grange Hall Road Bridge	OPWC	\$74,570.00	\$162,930.00	\$237,500.00
2001	New Germany-Trebein Road	OPWC	\$180,000.00	\$540,000.00	\$720,000.00
2002	SR835 Streetscape	FHWA	\$117,425.00	\$218,075.00	\$335,500.00
2002	North Fairfield Road Streetscape	FHWA	\$89,000.00	\$276,000.00	\$365,000.00
2002	US 35/North Fairfield	ODOT/FHWA	\$0.00	\$22,700,000.00	\$22,700,000.00
2003	Colonel Glenn Highway Resurfacing	FHWA	\$87,800.00	\$351,200.00	\$439,000.00
2003	Grange Hall Road Widening	OPWC / FHWA	\$0.00	\$1,234,000.00	\$1,234,000.00
2004	Indian Ripple Road Signal	FHWA	\$8,700.00	\$98,000.00	\$106,700.00
2004	Kemp Road Signals	FHWA	\$0.00	\$187,000.00	\$187,000.00
2004	SR 835 Resurfacing	ODOT	\$160,500.00	\$537,500.00	\$698,000.00
2005	I-675/North Fairfield Road Project	FHWA	\$65,000.00	\$260,000.00	\$325,000.00
2005	North Fairfield (Lakeview Dr. to Rex Dr)	OPWC	\$202,800.00	\$577,200.00	\$780,000.00
2005	Dayton-Xenia Streetscape	FHWA	\$104,000.00	\$191,000.00	\$295,000.00
2005	I-675/ Indian Ripple Signals and Lighting	FHWA	\$0.00	\$400,000.00	\$400,000.00
2005	I-675 Noise Barrier (Summerfield)	FHWA	\$0.00	\$1,000,000.00	\$1,000,000.00
2007	Pentagon Blvd	Dept.of Dev.	\$0.00	\$729,000.00	\$729,000.00
2007	New Germany-Trebein Road	Dept.of Dev.	\$0.00	\$420,000.00	\$420,000.00
2008	Kemp Rd. Relocation (Aley Church)	OPWC	\$264,268.00	\$535,760.00	\$800,028.00
2008	Indian Ripple @ Darst	FHWA	\$84,500.00	\$283,500.00	\$368,000.00
2008	Colonel Glenn Highway Safety Study	GHSO	\$0.00	\$20,000.00	\$20,000.00
2008	I-675 / N. Fairfield Rd. Safety Study	FHWA	\$0.00	\$20,000.00	\$20,000.00
2008	Nuglo - Phase I Study	OEPA	\$0.00	\$9,212.00	\$9,212.00
2009	Dayton-Xenia Signalization	FHWA	\$267,410.00	\$761,090.00	\$1,028,500.00
2009	GRE Dayton-Xenia Road	FHWA	\$574,095.00	\$4,453,885.00	\$5,027,980.00
2009	GRE Dayton-Xenia Road	OPWC	\$0.00	\$675,000.00	\$675,000.00
2009	Dayton-Xenia Rd. Curb Ramps	CDBG	\$5,000.00	\$35,000.00	\$40,000.00
2009	N. Fairfield Rd. at Kemp Rd. Safety Study	GHSO	\$0.00	\$5,000.00	\$5,000.00
2009	N. Fairfield Rd. Corridor Crash Study	GHSO	\$0.00	\$20,000.00	\$20,000.00
2009	National Rd. Reconstruction Project	OPWC	\$17,443.20	\$91,576.80	\$109,020.00
2009	Fairwood Drive Improvement	FHWA	\$79,687.00	\$279,180.00	\$358,867.00
2009	Fairwood Drive Signal	MVRPC	\$54,500.00	\$115,500.00	\$170,000.00
2010	Beavercreek Station	FHWA/ODNR/DONA	\$0.00	\$677,350.00	\$677,350.00
2010	Grange Hall Rd. Bikeway	FHWA	\$79,350.00	\$185,650.00	\$265,000.00
2010	Indian Ripple (Sylvania to Darst)	FHWA	\$112,500.00	\$3,450,000.00	\$3,562,500.00
2010	Indian Ripple (Sylvania to Darst)	OPWC	\$0.00	\$275,000.00	\$275,000.00
2010	N. Fairfield Rd. Resurfacing	MVRPC	\$314,293.00	\$814,000.00	\$1,128,293.00
2011	Col. Glenn Highway Resurfacing	MVRPC	\$13,857.00	\$550,000.00	\$563,857.00
2011	Creekside Trail Resurfacing	MVRPC	\$19,869.00	\$220,000.00	\$239,869.00
2011	Rotary Park Connector	ODNR	\$68,175.00	\$204,523.00	\$272,698.00
2012	Kemp Rd / Hanes Rd. Intersection	MVRPC	\$163,900.00	\$386,100.00	\$550,000.00
2012	Col. Glenn Hwy at Grange Hall Rd. Safety Imp	FHWA/ODOT	\$61,330.00	\$573,970.00	\$635,300.00
2012	I-675 / N. Fairfield Rd Safety Improvements	FHWA	\$110,000.00	\$990,000.00	\$1,100,000.00
2012	N. Fairfield Rd.@ N.G.T. Left Turn Lanes	OPWC	\$109,200.00	\$310,800.00	\$420,000.00
2012	N. Fairfield Rd. Signal System	MVRPC	\$100,000.00	\$1,100,000.00	\$1,200,000.00
2012	Indian Ripple Rd. Safety Study	HSP	\$0.00	\$20,000.00	\$20,000.00
2012	Col. Glenn Hwy. Signals	MVRPC	\$65,000.00	\$715,000.00	\$780,000.00
2012	Dayton-Xenia Rd. Signals	MVRPC	\$47,429.00	\$538,571.00	\$586,000.00
2012	US 35 / Factory Rd. Safety Improvement	HSP	\$0.00	\$290,050.00	\$290,050.00
2012	Beaver-Vu Signal	MVRPC	\$48,000.00	\$132,000.00	\$180,000.00
2012	Grange Hall Rd. Bridge Deck Replacement	ODOT	\$168,380.00	\$324,720.00	\$493,100.00

2012	Senior Center Parking Lot Lighting - Part I	CDBG	\$10,000.00	\$20,000.00	\$30,000.00
2012	Police Bldg & City Hall HVAC Upgrades	ARPA	\$0.00	\$164,700.00	\$164,700.00
2013	New Germany-Trebein Road Reconstruction	MVRPC	\$475,000.00	\$1,100,000.00	\$1,575,000.00
2013	Senior Center Parking Lot Lighting - Part II	CDBG	\$10,000.00	\$20,000.00	\$30,000.00
2013	Factory Road Reconstruction	MVRPC	\$199,550.00	\$450,450.00	\$650,000.00
2014	N. Fairfield Rd. Bridge Widening over I-675	MVRPC/HSP/OPWC	\$0.00	\$4,260,000.00	\$4,260,000.00
2014	N. Fairfield Rd. Resurfacing (North Dr. to Beaver Vu Drive).	MVRPC	\$223,600.00	\$670,800.00	\$894,400.00
2014	I-675 Bikeway Bridge	MVRPC	\$650,000.00	\$2,400,000.00	\$3,050,000.00
2014	Hanes Rd. Bridge Deck Replacement	ODOT	\$159,760.00	\$315,840.00	\$475,600.00
2014	I-675 @ Grange Hall Rd. Streetscape Project	MVRPC	\$109,800.00	\$299,900.00	\$409,700.00
2014	Indian Ripple Rd. at I-675 Safety Improvements	ODOT	\$356,626.00	\$69,625.00	\$426,251.00
2016	Indian Ripple Rd. Signals Project	MVRPC	\$233,750.00	\$701,250.00	\$935,000.00
2015	N. Fairfield Rd. Widening	MVRPC/OPWC	\$0.00	\$1,900,000.00	\$1,900,000.00
2015	Grange Hall Rd. Widening	MVRPC	\$695,500.00	\$1,552,500.00	\$2,248,000.00
2015	Curb Ramp Replacements	CDBG	\$0.00	\$10,000.00	\$10,000.00
2015	National Rd. @ Col. Glenn Hwy (Design)	MVRPC	\$70,000.00	\$160,000.00	\$230,000.00
2015	Dayton-Xenia Rd. @ Grange Hall Enhancement	MVRPC	\$165,000.00	\$297,000.00	\$462,000.00
2016	Shakertown @ GH Reconstruction	OPWC	\$750,000.00	\$650,000.00	\$1,400,000.00
2017	Col. Glenn Resurfacing	MVRPC	\$317,000.00	\$589,000.00	\$906,000.00
2017	Shakertown Road Improvements (Product Way to Willow Run)	OPWC/County	\$600,000.00	\$1,000,000.00	\$1,600,000.00
2017	Dayton-Xenia Rd. Widen. (Woods to Wallaby)	MVRPC/OPWC	\$667,000.00	\$3,133,000.00	\$3,800,000.00
2018	Indian Ripple Widening (Darst to Marydale)	MVRPC	\$112,750.00	\$338,250.00	\$451,000.00
2018	National @ Col. Glenn Widening	MVRPC	\$223,630.00	\$894,520.00	\$1,118,150.00
2018	Shakertown Widening (Grange Hall to Burntwood)	OPWC/Assessment	\$400,000.00	\$925,000.00	\$1,325,000.00
2018	N. Fairfield Road Resurfacing	MVRPC	\$542,448.00	\$675,552.00	\$1,218,000.00
2018	Indian Ripple Road Resurfacing	MVRPC	\$311,781.00	\$727,489.00	\$1,039,270.00
2018	Dayton-Xenia Rd. Enhancements - Part II	MVRPC	\$79,200.00	\$316,800.00	\$396,000.00
2019	Shakertown Rd. Extension to Factory Rd.	MVRPC	\$738,300.00	\$1,722,700.00	\$2,461,000.00
2020	SR 835 Resurfacing	ODOT/OPWC	\$482,781.00	\$1,517,219.00	\$2,000,000.00
2020	Kemp Road Widening (GH to Meadowcourt)	MVRPC/OPWC	\$1,152,390.00	\$1,897,610.00	\$3,050,000.00
2020	Dayton-Xenia Rd. Widening (E. Lynn to Woods)	MVRPC	\$956,400.00	\$2,585,600.00	\$3,542,000.00
2020	Col. Glenn Hwy. Enhancements	MVRPC	\$231,000.00	\$693,000.00	\$924,000.00
2020	Lofino Plaza - Part 2	CDBG	\$8,000.00	\$32,000.00	\$40,000.00
2020	Kemp Road Signal Improvements	MVRPC	\$143,000.00	\$429,000.00	\$572,000.00
2021	Indian Ripple Road Pedestrian Improvements	MVRPC	\$383,200.00	\$349,800.00	\$733,000.00
2021	County Line Road Widening	MVRPC	\$645,000.00	\$930,000.00	\$1,575,000.00
2022	Factory Road Widening (Nutter Park to Creekside)	MVRPC	\$1,022,500.00	\$577,500.00	\$1,600,000.00
2022	Shakertown Widening (NFR to Carthage)	OPWC	\$900,000.00	\$900,000.00	\$1,800,000.00
2023	Grange Hall Widening (Kemp to Summerfield)	MVRPC/OPWC	\$385,000.00	\$3,115,000.00	\$3,500,000.00
2023	Willowcrest Drainage Improvements	ARPA	\$200,000.00	\$1,800,000.00	\$2,000,000.00
2023	Vineland Ditch Improvements	ARPA	\$150,000.00	\$1,600,000.00	\$1,750,000.00
2023	Golf Course Channel Restoration	ARPA	\$0.00	\$250,000.00	\$250,000.00
2023	Grange Hall at I-675 Study	FHWA	\$100,000.00	\$400,000.00	\$500,000.00
2023	Grange Hall Resurfacing (Shakertown to IRR)	MVRPC	\$258,284.00	\$391,716.00	\$650,000.00
2023	Kemp Road Pedestrian Improvements	MVRPC	\$682,150.00	\$344,850.00	\$1,027,000.00
2024	N. Fairfield Road Widening (Lawson to Fairwood)	MVRPC	\$513,600.00	\$1,198,400.00	\$1,712,000.00
2024	Col. Glenn Hwy Resurfacing	MVRPC	\$297,960.00	\$591,840.00	\$889,800.00
2024	Col. Glenn Hwy Enhancements II	MVRPC	\$180,950.00	\$336,050.00	\$517,000.00
2024	N. Fairfield Rd. Reconstruction (Crossing to I-675)	MVRPC	\$626,592.00	\$939,888.00	\$1,566,480.00
2025	Factory Road Bridge Widening	MVRPC	\$282,150.00	\$344,850.00	\$627,000.00
2025	Dayton-Xenia Road (Meadow Bridge to Darlington)	MVRPC	\$728,028.00	\$1,698,732.00	\$2,426,760.00
2025	N. Fairfield Road Widening (Shakertown to Fairbrook School)	MVRPC	\$1,434,850.00	\$2,807,650.00	\$4,242,500.00
2026	Shakertown Road Sidepath	MVRPC	\$148,500.00	\$346,500.00	\$495,000.00
2026	Kemp Road Widening (Meadowcourt to Bluewing)	MVRPC	\$802,500.00	\$1,872,500.00	\$2,675,000.00

2027	Indian Ripple Rd. Widening (Barronwood to Woodview)	MVRPC	\$856,000.00	\$1,284,000.00	\$2,140,000.00
2027	N. Fairfield Rd. Widening (Claydor to Kemp)	MVRPC	\$313,500.00	\$731,500.00	\$1,045,000.00
TOTAL			\$26,855,616.20	\$108,741,293.80	\$135,596,910.00
%			19.81	80.19	100.00
CONSTRUCTION	PROJECT DESCRIPTION	FUNDING SOURCE	CONSTRUCTION FUNDS		
YEAR			LOCAL	GRANTS	TOTAL



COL. GLENN HWY.
RESURFACING
(DESIGN)

COL. GLENN HWY
ENHANCEMENTS
(FINAL DESIGN & R/W)

GRANGE HALL @ I-675
INTERCHANGE STUDY
(PRELIMINARY DESIGN)

N. FAIRFIELD ROAD
RECONSTRUCTION
(FINAL DESIGN)

NORTH FAIRFIELD ROAD
RESURFACING
(CONSTRUCTION)

KEMP ROAD
WIDENING (FREDDY'S)
(FINAL DESIGN & CONST.)

KEMP ROAD
SIDEWALK IMPROVEMENTS
(R/W)

GRANGE HALL ROAD
WIDENING
(CONSTRUCTION)

N. FAIRFIELD ROAD
WIDENING
(R/W)

DAYTON-XENIA ROAD
WIDENING
(FINAL DESIGN)

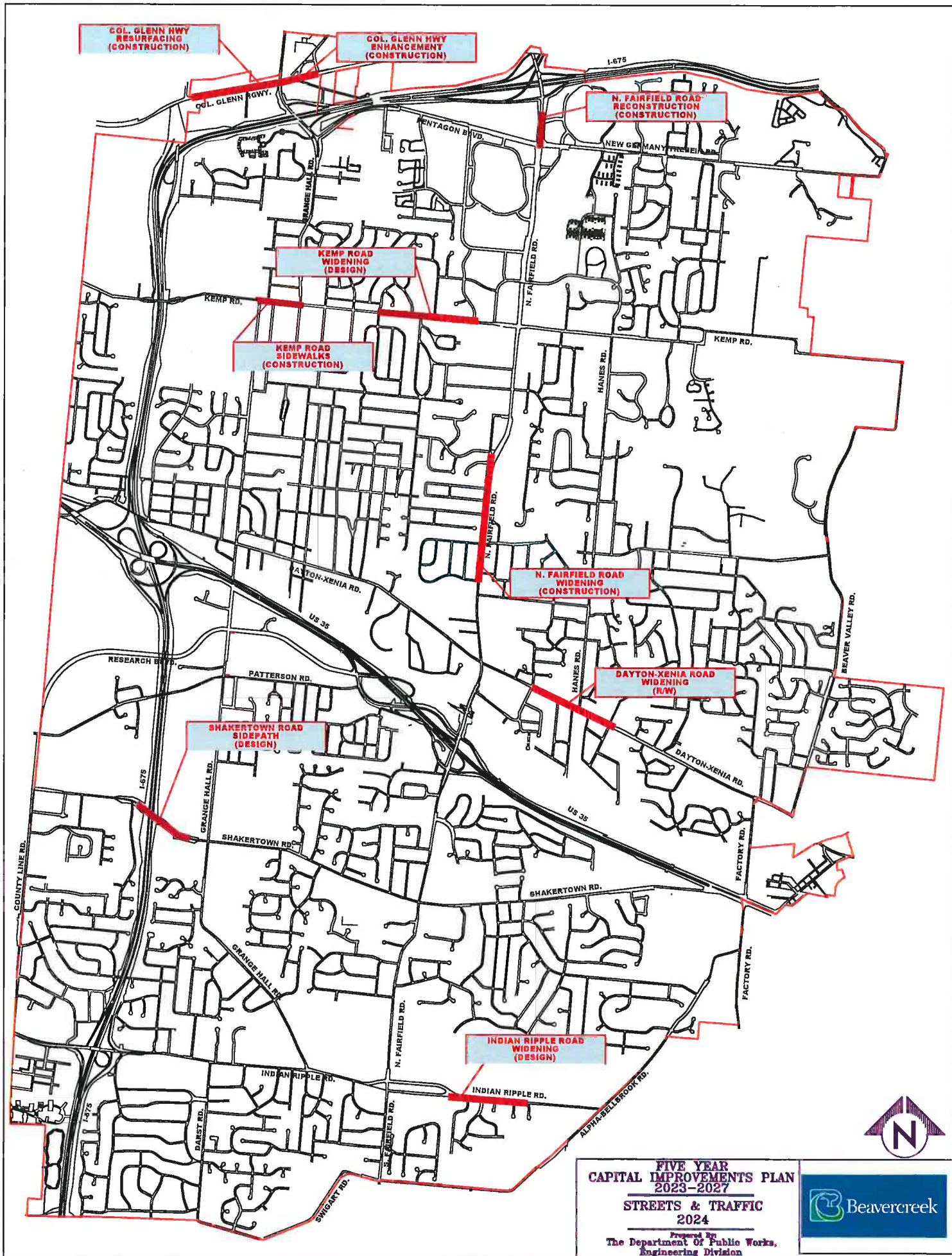
GRANGE HALL RD.
RESURFACING
(CONSTRUCTION)

N. FAIRFIELD ROAD
WIDENING
(R/W)

FACTORY ROAD BRIDGE
WIDENING
(FINAL DESIGN & R/W)

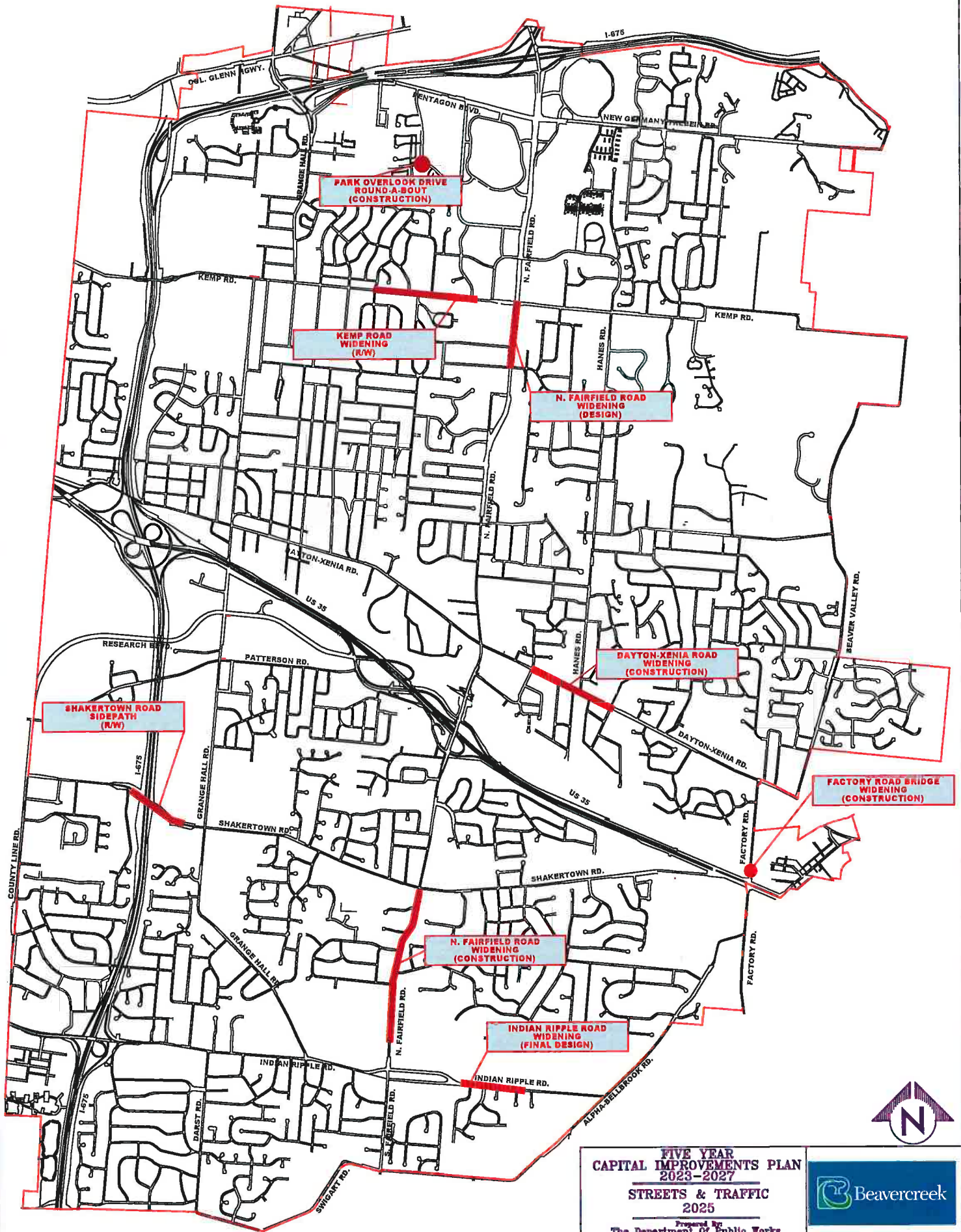
**FIVE YEAR
CAPITAL IMPROVEMENTS PLAN
2023-2027**
**STREETS & TRAFFIC
2023**
Prepared By
The Department Of Public Works,
Engineering Division





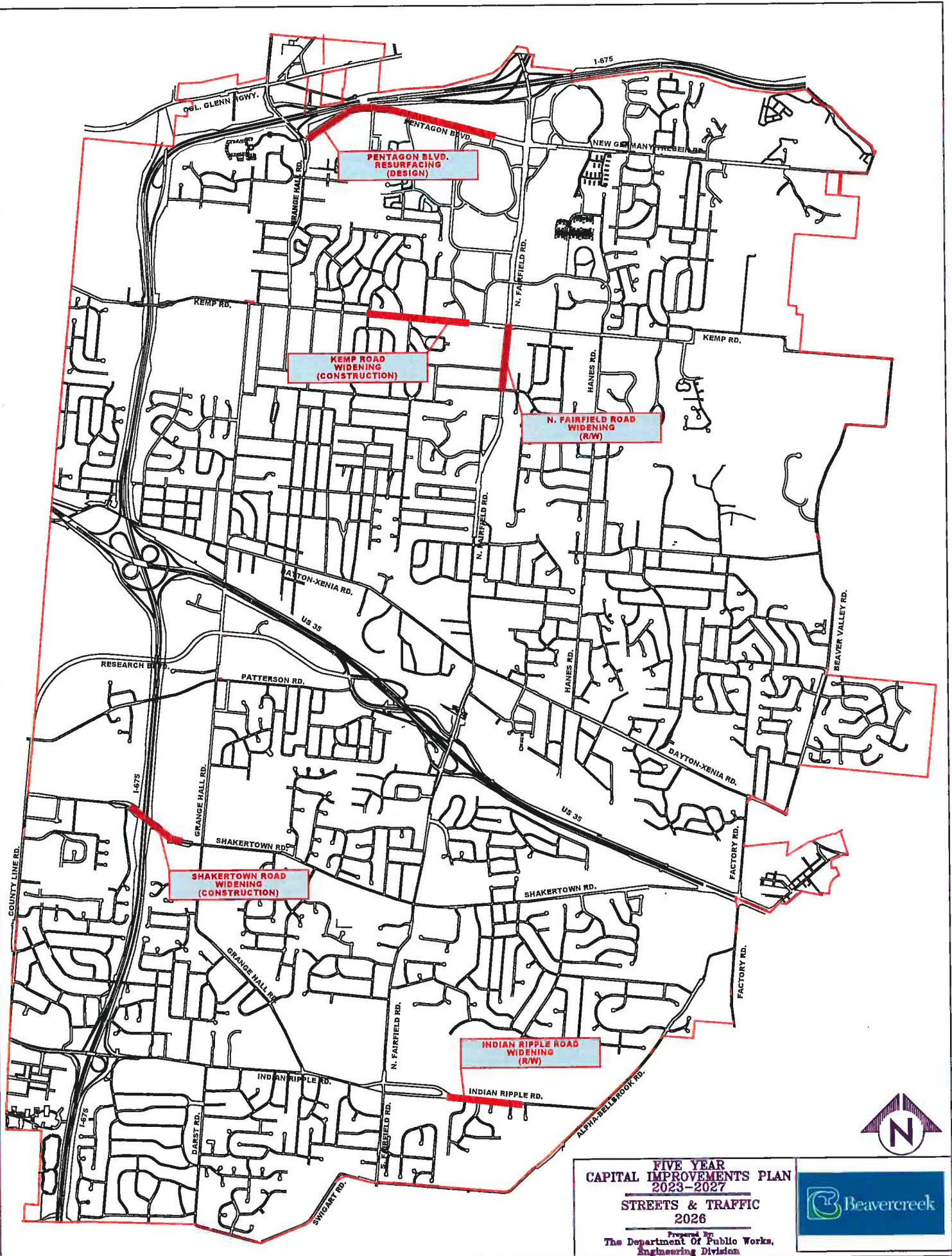
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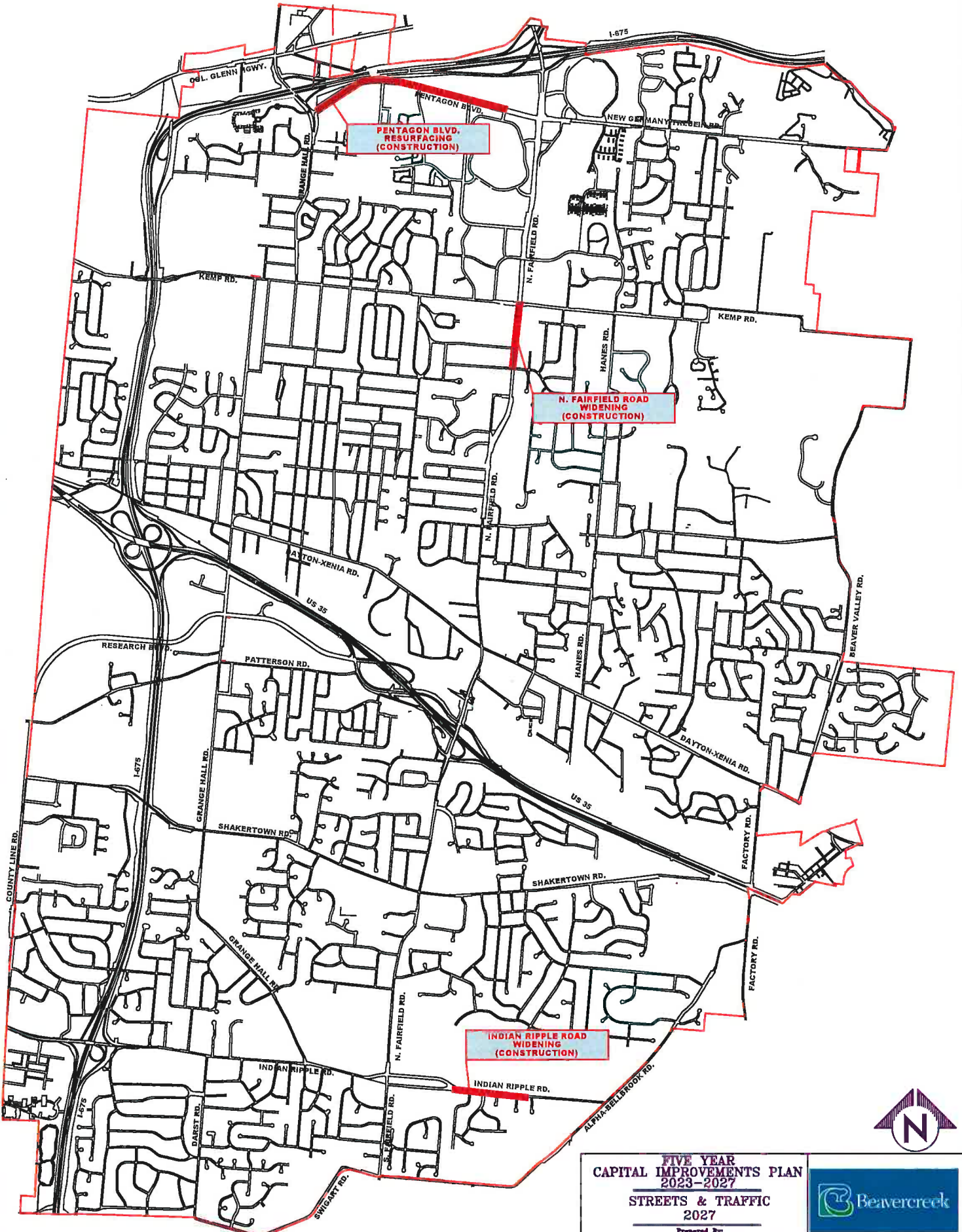




**FIVE YEAR
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2023-2027**
**STREETS & TRAFFIC
2026**

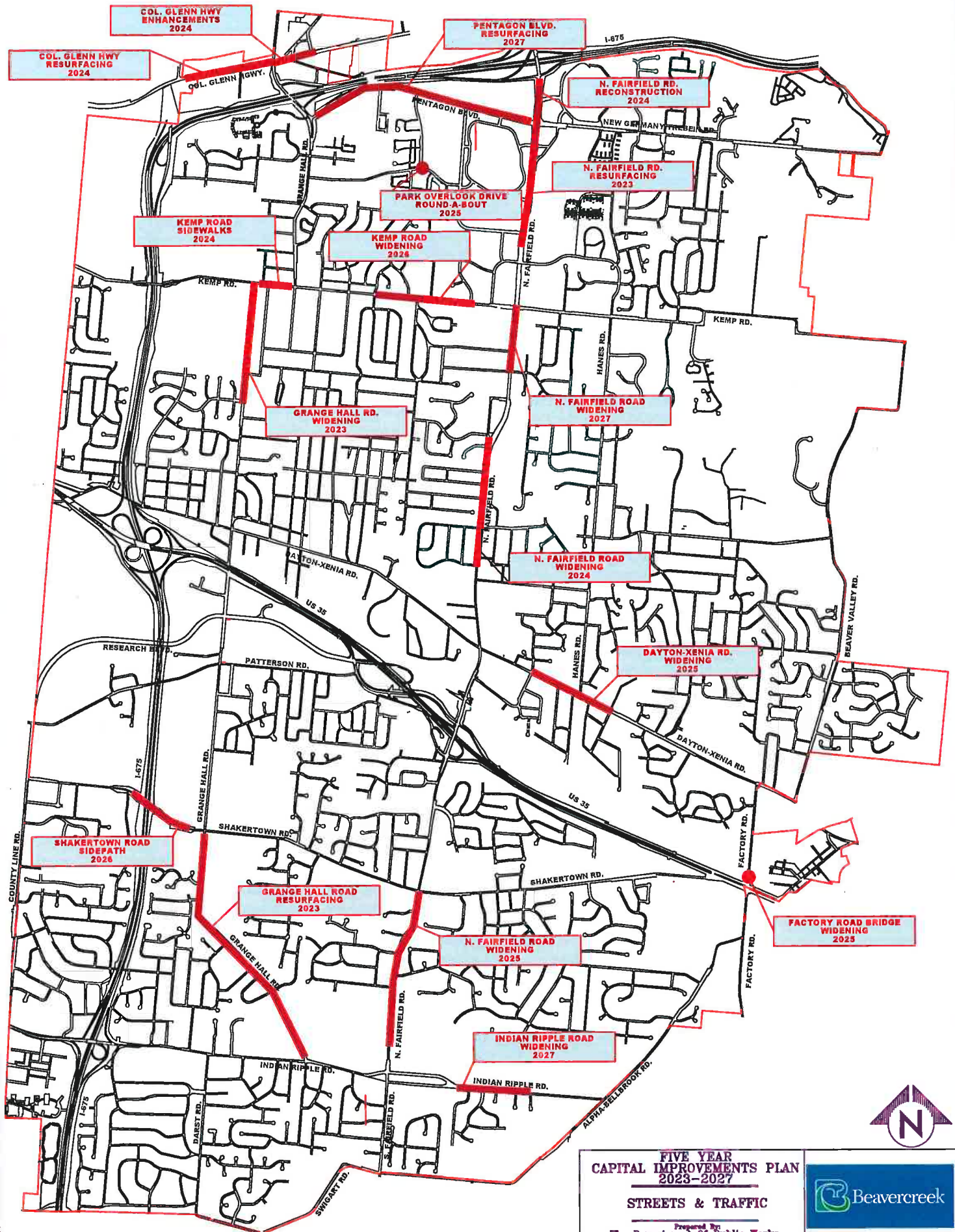
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CAPITAL IMPROVEMENTS PLAN
2023-2027**
**STREETS & TRAFFIC
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**FIVE YEAR
CAPITAL IMPROVEMENTS PLAN
2023-2027**

STREETS & TRAFFIC

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Engineering Division



5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN
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STREET AND TRAFFIC CONSTRUCTION

PROJECT YEAR 2023

I-675/Grange Hall Road Interchange		ESTIMATED TOTAL COST	\$500,000.00
Study project to add a full movement interchange at Grange Hall Road and I-675; MVRPC Long Range Plan Project #5. REFERENCE NO. 30	ENGINEERING BY: CONSULTANT	203	\$100,000.00
	CONSTRUCTION PERFORMED BY:	ODOT	\$400,000.00
	PROJECT TYPE: DESIGN		\$0.00
N. Fairfield Rd Resurfacing (Pentagon to Crossing)		ESTIMATED TOTAL COST	\$1,700,000.00
Milling, resurfacing, and pavement repairs to N. Fairfield Road between Commons Blvd. and Pentagon Blvd. REFERENCE NO. 514	ENGINEERING BY: CONSULTANT	203	\$150,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	204	\$1,250,000.00
	PROJECT TYPE: REPAIR	260	\$300,000.00
Grange Hall Road Widening (Kemp to Summerfield)		ESTIMATED TOTAL COST	\$4,300,000.00
Widen Grange Hall Road between Kemp Road and Summerfield to 3 lanes along with pedestrian improvements. REFERENCE NO. 517	ENGINEERING BY:	204	\$600,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$585,000.00
	PROJECT TYPE: CONSTRUCTION	MVRPC & OPWC	\$3,115,000.00

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
N. Fairfield Road Widening (Lawson to Fairwood)		ESTIMATED TOTAL COST	\$325,000.00
R/W Purchase for road widening	ENGINEERING BY: CONSULTANT	203	\$325,000.00
	CONSTRUCTION PERFORMED BY:		
	PROJECT TYPE: R/W ACQUISITION		
REFERENCE NO. 539			
Superstreet payment (3 of 5)		ESTIMATED TOTAL COST	\$50,000.00
Payment to Greene Co.	ENGINEERING BY:	203	\$50,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE:		\$0.00
REFERENCE NO. 544			
N. Fairfield Rd Resurfacing (Pentagon to I-675)		ESTIMATED TOTAL COST	\$150,000.00
Pavement repairs and reconstruction with full depth asphalt	ENGINEERING BY:	204	\$150,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE: DESIGN		\$0.00
REFERENCE NO. 560			
N Fairfield Reconstruction (Crossing to I-675)		ESTIMATED TOTAL COST	\$100,000.00
Pavement removal and full depth asphalt replacement - FINAL DESIGN	ENGINEERING BY:	204	\$100,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 565			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
N. FAIRFIELD RD WIDENING (SHAKERTOWN TO FAIRBROOK SCHOOL - R/W)		ESTIMATED TOTAL COST	\$400,000.00
WIDENING OF N. FAIRFIELD ROAD FROM SHAKERTOWN TO FAIRBROOK SCHOOL - R/W REFERENCE NO. 903	ENGINEERING BY: CONSULTANT	203	\$400,000.00
	CONSTRUCTION PERFORMED BY: CONSULTANT		\$0.00
	PROJECT TYPE: R/W		\$0.00
FACTORY ROAD BRIDGE WIDENING		ESTIMATED TOTAL COST	\$250,000.00
WIDENING OF BRIDGE ON FACTORY ROAD JUST NORTH OF US 35 - DESIGN & R/W REFERENCE NO. 905	ENGINEERING BY: CONSULTANT	408	\$250,000.00
	CONSTRUCTION PERFORMED BY: CONSULTANT		\$0.00
	PROJECT TYPE: R/W		\$0.00
ANNUAL CURB AND RESURFACING PROGRAM		ESTIMATED TOTAL COST	\$1,840,000.00
CURB REPAIR AND RESURFACING - CITY WIDE REFERENCE NO. 906	ENGINEERING BY: IN-HOUSE	204	\$400,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$1,440,000.00
	PROJECT TYPE: REPAIR		\$0.00
KEMP ROAD SIDEWALKS (GRANGE HALL TO OXMOOR)		ESTIMATED TOTAL COST	\$100,000.00
R/W PURCHASES REFERENCE NO. 917	ENGINEERING BY: CONSULTANT	204	\$100,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: R/W		\$0.00

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
KEMP ROAD SIDEWALKS		ESTIMATED TOTAL COST	\$627,000.00
SIDEWALK CONSTRUCTION ALONG KEMP BETWEEN GRANGE HALL AND OXMOOR	ENGINEERING BY: CONSULTANT	203	\$282,150.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$344,850.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 924			
COL. GLENN HIGHWAY ENHANCEMENTS		ESTIMATED TOTAL COST	\$250,000.00
ENHANCEMENTS ALONG COL. GLENN HWY BETWEEN ZINK & NATIONAL - DESIGN & R/W	ENGINEERING BY: CONSULTANT	260	\$250,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE: DESIGN & R/W PURC		\$0.00
REFERENCE NO. 925			
DAYTON-XENIA ROAD WIDENING		ESTIMATED TOTAL COST	\$300,000.00
WIDENING OF DAYTON-XENIA FROM MEADOW BRIDGE TO DARLINGTON	ENGINEERING BY: CONSULTANT	260	\$300,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE: FINAL DESIGN		\$0.00
REFERENCE NO. 926			
KEMP ROAD WIDENING		ESTIMATED TOTAL COST	\$200,000.00
WIDENING OF KEMP BETWEEN MEADOWCOURT AND BLUE WING	ENGINEERING BY: CONSULTANT	204	\$100,000.00
	CONSTRUCTION PERFORMED BY:	408	\$100,000.00
	PROJECT TYPE: PRELIM. DESIGN		\$0.00
REFERENCE NO. 927			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
GRANGE HALL ROAD RESURFACING PROJECT		ESTIMATED TOTAL COST	\$650,000.00
RESURFACING OF GRANGE HALL ROAD BETWEEN SHAKERTOWN RD. AND INDIAN RIPPLE	ENGINEERING BY: IN-HOUSE	204	\$258,284.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$391,716.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 938			
Col. Glenn Highway Resurfacing		ESTIMATED TOTAL COST	\$25,000.00
Milling and resurfacing of Col. Glenn Hwy between National Rd. and west corp.	ENGINEERING BY: CONSULTANT	204	\$25,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE: DESIGN		\$0.00
REFERENCE NO. 939			
Kemp Road Widening (Freddy's)		ESTIMATED TOTAL COST	\$300,000.00
Widen Kemp Road for a left turn lane into the Freddy's site	ENGINEERING BY: CONSULTANT	408	\$150,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	771	\$150,000.00
	PROJECT TYPE: DESIGN & CONSTRUC		\$0.00
REFERENCE NO. 944			

PROJECT YEAR 2024

N. Fairfield Road Widening (Lawson to Fairwood)		ESTIMATED TOTAL COST	\$1,712,000.00
Roadway Construction	ENGINEERING BY:	204	\$513,600.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$1,198,400.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 540			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Superstreet - Payment number 4 of 5		ESTIMATED TOTAL COST	\$50,000.00
Payment to Greene County	ENGINEERING BY:	203	\$50,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE:		\$0.00
REFERENCE NO. 567			
COL. GLENN HWY ENHANCEMENTS - PART II		ESTIMATED TOTAL COST	\$517,000.00
BRICK PAVERS AND LIGHTING ALONG COL. GLENN HWY FROM ZINK TO GRANGE HALL	ENGINEERING BY:	203	\$180,950.00
	CONSULTANT		
	CONSTRUCTION PERFORMED BY:	MVRPC	\$336,050.00
	CONTRACTOR		
	PROJECT TYPE:		\$0.00
	CONSTRUCTION		
REFERENCE NO. 907			
DAYTON-XENIA RD WIDENING		ESTIMATED TOTAL COST	\$350,000.00
WIDENING OF DAYTON-XENIA ROAD FROM MEADOW BRIDGE TO DARLINGTON	ENGINEERING BY:	260	\$350,000.00
	CONSULTANT		
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE:		\$0.00
	R/W PURCHASES		
REFERENCE NO. 908			
ANNUAL CURB REPAIR AND RESURFACING PROGRAM		ESTIMATED TOTAL COST	\$2,300,000.00
CURB REPAIR AND RESURFACING - CITY WIDE	ENGINEERING BY:	204	\$1,000,000.00
	CONSTRUCTION PERFORMED BY:	260	\$1,300,000.00
	CONTRACTOR		
	PROJECT TYPE:		\$0.00
	REPAIR		
REFERENCE NO. 909			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
KEMP RD. WIDENING		ESTIMATED TOTAL COST	\$400,000.00
WIDENING OF KEMP ROAD BETWEEN MEADOWCOURT AND BLUE WING	ENGINEERING BY: CONSULTANT	408	\$150,000.00
	CONSTRUCTION PERFORMED BY:	260	\$250,000.00
	PROJECT TYPE: DESIGN		\$0.00
REFERENCE NO. 929			
N. FAIRFIELD ROAD RECONSTRUCTION		ESTIMATED TOTAL COST	\$1,566,480.00
REPAIR AND RECONSTRUCTION OF N. FAIRFIELD ROAD BETWEEN PENTAGON & I-675	ENGINEERING BY: CONSULTANT	203	\$426,592.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	771	\$200,000.00
	PROJECT TYPE: CONSTRUCTION	MVRPC	\$939,888.00
REFERENCE NO. 930			
Col. Glenn Highway Resurfacing		ESTIMATED TOTAL COST	\$889,800.00
Milling and resurfacing of Col. Glenn Hwy between National Rd. and wet corp.	ENGINEERING BY:	204	\$297,960.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$591,840.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 940			
Indian Ripple Road Widening		ESTIMATED TOTAL COST	\$200,000.00
The widening & reconstruction of Indian Ripple from Barronwood to Woodview	ENGINEERING BY: CONSULTANT	204	\$100,000.00
	CONSTRUCTION PERFORMED BY:	260	\$100,000.00
	PROJECT TYPE: DESIGN		\$0.00
REFERENCE NO. 948			

PROJECT YEAR 2025

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Park Overlook Round-a-bout		ESTIMATED TOTAL COST	\$220,000.00
Construction of a Round-a-bout at Park Overlook and Royal Gateway REFERENCE NO. 374	ENGINEERING BY: CONSULTANT	408	\$110,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	771 DISTRICT 1 IMPACT FEE EXPENDABLE T	\$110,000.00
	PROJECT TYPE: NEW CONSTRUCTION		\$0.00
N. Fairfield Road Widening (Claydor to Kemp)		ESTIMATED TOTAL COST	\$150,000.00
Design for widening of N. Fairfield Rd. REFERENCE NO. 534	ENGINEERING BY: CONSULTANT	260	\$75,000.00
	CONSTRUCTION PERFORMED BY:	771	\$75,000.00
	PROJECT TYPE: DESIGN		
N Fairfield Widening (Shakertown to Fairbrook)		ESTIMATED TOTAL COST	\$4,242,500.00
Widen to 3 lanes with curb, storm sewer and pedestrian facilities REFERENCE NO. 566	ENGINEERING BY: CONSULTANT	203	\$1,434,850.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$2,807,650.00
	PROJECT TYPE: CONSTRUCTION		
FACTORY ROAD BRIDGE WIDENING		ESTIMATED TOTAL COST	\$627,000.00
WIDENING OF BRIDGE ON FACTORY ROAD JUST NORTH OF US 35 - CONSTRUCTION REFERENCE NO. 910	ENGINEERING BY:	204	\$282,150.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$344,850.00
	PROJECT TYPE: REPLACEMENT		\$0.00

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
SUPERSTREET PAYMENT TO GREENE COUNTY		ESTIMATED TOTAL COST	\$50,000.00
SUPERSTREET PAYMENT TO GREENE COUNTY (PAYMENT 5 OF 5)	ENGINEERING BY:	203	\$50,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	COUNTY		\$0.00
REFERENCE NO. 911	PROJECT TYPE:		
	PAYMENT		
DAYTON-XENIA RD. WIDENING		ESTIMATED TOTAL COST	\$2,426,760.00
THE WIDENING OF DAYTON-XENIA RD FROM MEADOW BRIDGE TO DARLINGTON	ENGINEERING BY:	260	\$728,028.00
	CONSTRUCTION PERFORMED BY:	MVRPC	\$1,698,732.00
	CONTRACTOR		\$0.00
REFERENCE NO. 913	PROJECT TYPE:		
	CONSTRUCTION		
ANNUAL CURB AND RESURFACING PROGRAM		ESTIMATED TOTAL COST	\$2,300,000.00
CURB REPAIRS AND RESURFACING - CITY WIDE	ENGINEERING BY:	204	\$1,000,000.00
	CONSTRUCTION PERFORMED BY:	260	\$1,300,000.00
	CONTRACTOR		\$0.00
REFERENCE NO. 915	PROJECT TYPE:		
	REPAIR		
KEMP ROAD WIDENING		ESTIMATED TOTAL COST	\$500,000.00
WIDENING OF KEMP ROAD BETWEEN MEADOWCOURT AND BLUE WING	ENGINEERING BY:	204	\$250,000.00
	CONSTRUCTION PERFORMED BY:	408	\$200,000.00
	CONTACTOR		\$50,000.00
REFERENCE NO. 932	PROJECT TYPE:	260	
	R/W PURCHASES		

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Indian Ripple Road Widening		ESTIMATED TOTAL COST	\$200,000.00
Widening and reconstruction of Indian Ripple Road between Barronwood and Woodview including pedestrian facilities	ENGINEERING BY: CONSULTANT	204	\$100,000.00
	CONSTRUCTION PERFORMED BY:	260	\$100,000.00
	PROJECT TYPE: R/W PURCHASE		\$0.00
REFERENCE NO. 951			

PROJECT YEAR 2026

N. FAIRFIELD ROAD WIDENING		ESTIMATED TOTAL COST	\$250,000.00
THE WIDENING OF N. FAIRFIELD ROAD FROM CLAYDOR TO KEMP ROAD	ENGINEERING BY: CONSULTANT	771	\$150,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$100,000.00
	PROJECT TYPE: R/W PURCHASES		\$0.00
REFERENCE NO. 914			
KEMP ROAD WIDENING PROJECT		ESTIMATED TOTAL COST	\$2,675,000.00
WIDENING OF KEMP ROAD BETWEEN MEADOWCOURT AND BLUEWING	ENGINEERING BY: CONSULTANT	204&408	\$400,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$402,500.00
	PROJECT TYPE: CONSTRUCTION	MVRPC	\$1,872,000.00
REFERENCE NO. 934			
PENTAGON BLVD. RESURFACING		ESTIMATED TOTAL COST	\$100,000.00
REPAIR AND RESURFACING OF PENTAGON BLVD.	ENGINEERING BY: CONSULTANT	203	\$100,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: DESIGN		\$0.00
REFERENCE NO. 935			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
ANNUAL CURB AND RESURFACING PROGRAM		ESTIMATED TOTAL COST	\$2,300,000.00
CURB REPLACEMENTS AND ROADWAY RESURFACING	ENGINEERING BY: IN-HOUSE	204	\$1,000,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$1,300,000.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO.	937		
Indian Ripple Road Widening		ESTIMATED TOTAL COST	\$250,000.00
The widening of Indian Ripple Road from Barronwood to Woodview including pedestrian improvements	ENGINEERING BY: CONSULTANT	204	\$125,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$125,000.00
	PROJECT TYPE: R/W PURCHASES		\$0.00
REFERENCE NO.	953		

PROJECT YEAR 2027

Indian Ripple Road Widening		ESTIMATED TOTAL COST	\$2,140,000.00
The widening of Indian Ripple Road from Barronwood to Woodview, including pedestrian improvements	ENGINEERING BY: CONSULTANT	204	\$400,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$456,000.00
	PROJECT TYPE: CONSTRUCTION	MVRPC	\$1,284,000.00
REFERENCE NO.	954		
Pentagon Blvd. Resurfacing		ESTIMATED TOTAL COST	\$1,200,000.00
Resurfacing of Pentagon Blvd. from N. Fairfield Road to Grange Hall Road	ENGINEERING BY: CONSULTANT	204	\$600,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	260	\$600,000.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO.	955		

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
N. Fairfield Road Widening		ESTIMATED TOTAL COST	\$1,045,000.00
The widening of N. Fairfield Road from Claydor to Kemp Road to add a center turn lane.	ENGINEERING BY:	771	\$150,000.00
	CONSULTANT		
	CONSTRUCTION PERFORMED BY:	260	\$163,500.00
	CONTRACTOR		
REFERENCE NO. 956	PROJECT TYPE:	MVRPC	\$731,500.00
	CONSTRUCTION		
ANNUAL CURB AND RESURFACING PROGRAM		ESTIMATED TOTAL COST	\$2,300,000.00
CURB REPLACEMENTS AND ROADWAY RESURFACING	ENGINEERING BY:	240	\$1,000,000.00
	IN-HOUSE		
	CONSTRUCTION PERFORMED BY:	260	\$1,300,000.00
	CONTRACTOR		
REFERENCE NO. 958	PROJECT TYPE:		\$0.00
	CONSTRUCTION		

PLANNING FOR BUILDINGS AND LANDS

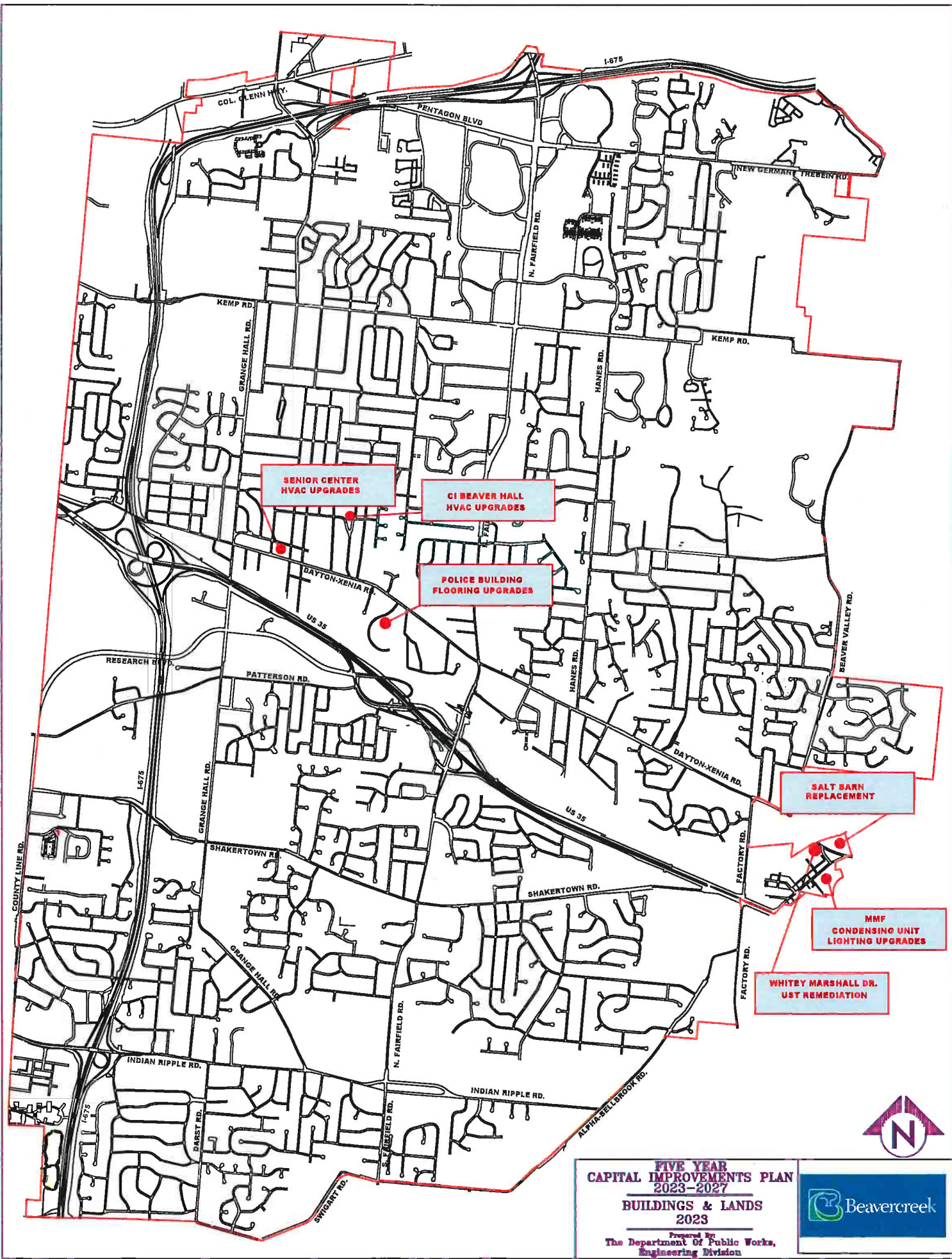
The City of Beavercreek maintains various facilities which require long range planning for continual maintenance and/or expansion to meet the needs of its residents and the various departments which operate in those facilities including:

- Police Building
- City Hall
- Charles & Anna Mae Lofino Adult Enrichment and Cultural Arts Center
- C. I. Beaver Hall
- Cemetery Maintenance Building
- Municipal Maintenance Facility
- Salt Storage Barn
- Beavercreek Golf Course Club House
- Golf Course Maintenance Building

Each of the City's nine (9) facilities are covered under the General Fund or the particular fund under which the Department is funded.

The Public Service Department is currently performing an evaluation of all City owned facilities and will be working on updating the list of building capital improvements over the next year. The goal of these efforts will be to develop a plan for the proper maintenance of existing facilities within available funding limitations.

Listed in this plan are several building improvement and maintenance needs that are recommended over the next year.



**FIVE YEAR
CAPITAL IMPROVEMENTS PLAN
2023-2027**
**BUILDINGS & LANDS
2023**
Prepared By:
The Department Of Public Works,
Engineering Division



5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN
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BUILDINGS AND LAND

PROJECT YEAR 2023

Whitey Marshall Drive - Cleanup of old UST Site		ESTIMATED TOTAL COST \$9,000.00	
Testing of ground water and soil to meet BUSTR requirements REFERENCE NO. 192	ENGINEERING BY:		\$0.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	204 STREET LEVY FUND	\$9,000.00
	PROJECT TYPE:		\$0.00
Senior Center HVAC Upgrades		ESTIMATED TOTAL COST \$38,000.00	
Upgrade HVAC System at older portion of senior center REFERENCE NO. 572	ENGINEERING BY:	279	\$38,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
CI Beaver Hall - HVAC Upgrades		ESTIMATED TOTAL COST \$15,000.00	
HVAC Upgrades at CI Beaver Hall REFERENCE NO. 964	ENGINEERING BY: IN-HOUSE	279	\$15,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Police Building - Flooring Upgrades		ESTIMATED TOTAL COST	\$30,000.00
Flooring replacement in basement level of Police Building	ENGINEERING BY: IN-HOUSE	202	\$30,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 965			
MMF - Condensing unit		ESTIMATED TOTAL COST	\$85,000.00
Replacement of condensing unit at the MMF	ENGINEERING BY: IN-HOUSE	203	\$85,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 967			
MMF - Lighting Upgrades		ESTIMATED TOTAL COST	\$20,000.00
Lighting upgrades within vehicle maintenance area	ENGINEERING BY: IN-HOUSE	203	\$20,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 968			

PROJECT YEAR 2024

Salt Barn Replacement Payment		ESTIMATED TOTAL COST	\$300,000.00
Bond payment for replacement of salt barn. Payment 1 of 10.	ENGINEERING BY: CONSULTANT	203	\$227,300.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 966			

11/11/2022

PLANNING FOR PARKS AND RECREATION

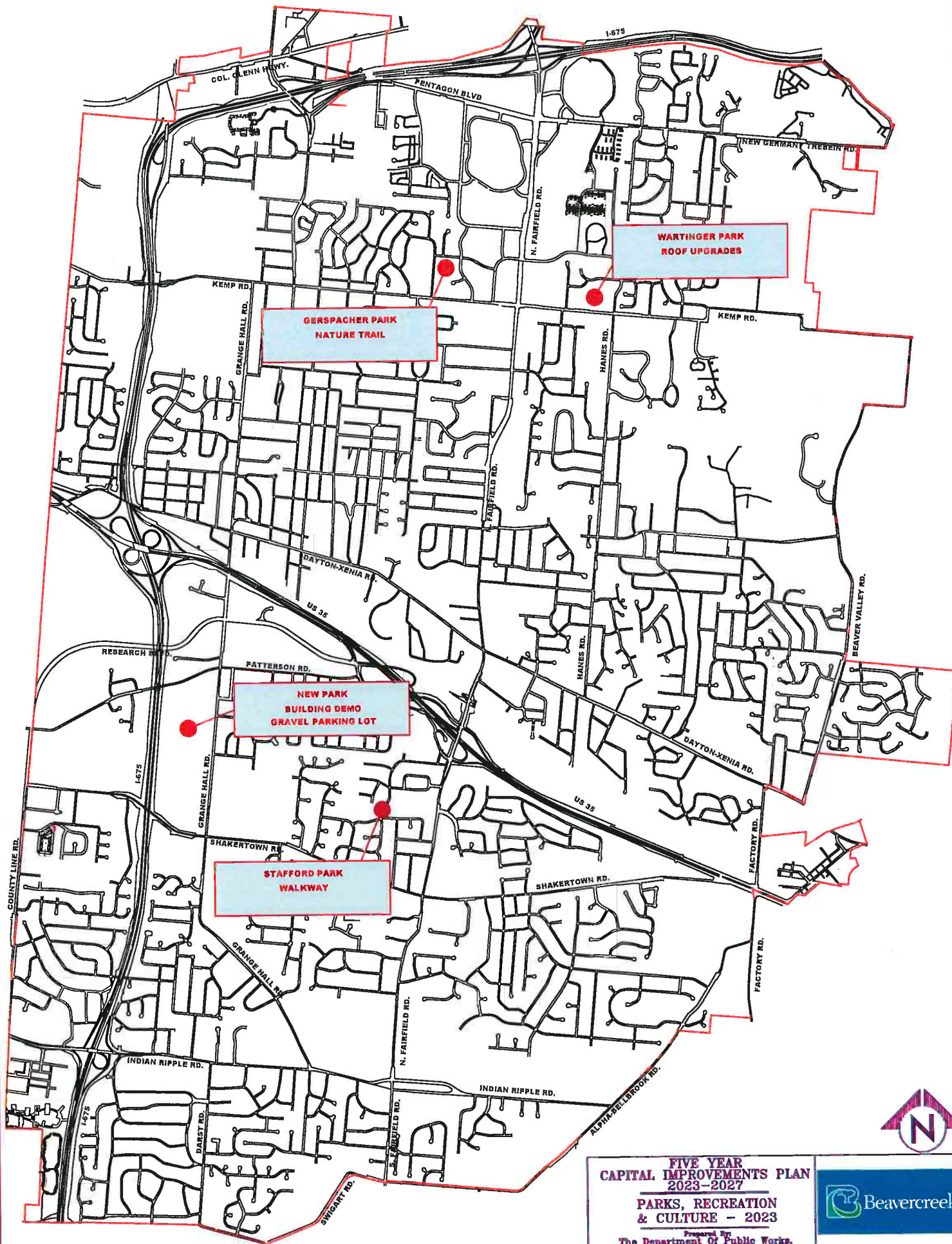
It is the mission of the City of Beavercreek Parks Department to deliver recreational experiences that enhance the quality of life for the benefit of the Beavercreek community.

The City of Beavercreek continues to see many improvements in its parks and recreation system. In 2022 new park land was purchased along the west side of Grange Hall Road, between Patterson Road and Shakertown Road. This new parkland consists of approximately 148 acres and presents a great opportunity to expand recreational activities for City residents. In 2023 activities are planned to continue in engaging the public in helping to shape the master plan for the development of this 148 acre property. With the addition of this new park land, the Department of Parks, Recreation and Culture now maintains 24 parks and over 448 acres of land and is responsible for the operation of the Senior Adult Center.

Capital Improvements to the park system are currently funded out of the 712 fund and the 279 Fund. The revenue stream for park improvements was much improved with the passage of the new Parks Levy in 2014. These additional funds have allowed for the implementation of vital improvements and upgrades to our park system.

There are several important improvements planned in 2023 to the City's park system. The capital plan for 2023 includes planned improvements to four of the City's parks with these improvements ranging from new walking paths, and roof repairs, to the construction of a new gravel parking lot.

As with the roadway portion of this plan, the Parks and Recreation improvements listed are believed to be feasible under current funding levels. There are additional capital and maintenance improvements to the City's park system that would enhance recreational opportunities that are not listed in this plan due to funding limitations.



**FIVE YEAR
CAPITAL IMPROVEMENTS PLAN
2023-2027**
**PARKS, RECREATION
& CULTURE - 2023**
Prepared By:
The Department Of Public Works,
Engineering Division



5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN
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PARKS RECREATION AND CULTURE

PROJECT YEAR 2023

GERSPACHER PARK		ESTIMATED TOTAL COST	\$15,000.00
INSTALL NATURE LOOP TRAIL	ENGINEERING BY:	279	\$15,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: NEW		\$0.00
REFERENCE NO. 887			
STAFFORD PARK		ESTIMATED TOTAL COST	\$12,000.00
ADA WALK TO PLAYGROUND	ENGINEERING BY:	279	\$12,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: NEW		\$0.00
REFERENCE NO. 888			
Wartinger Park Roof Upgrades		ESTIMATED TOTAL COST	\$68,000.00
Roof upgrades at Wartinger Park	ENGINEERING BY: IN-HOUSE	279	\$68,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 961			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
New Park - Building Demo		ESTIMATED TOTAL COST	\$50,000.00
Demo of existing building on park property	ENGINEERING BY:	101	\$50,000.00
	IN-HOUSE		
	CONSTRUCTION PERFORMED BY:		\$0.00
REFERENCE NO. 962	CONTRACTOR		
	PROJECT TYPE:		\$0.00
	CONSTRUCTION		
New Park - Gravel Parking Lot		ESTIMATED TOTAL COST	\$50,000.00
Construction of gravel parking lot on new park property	ENGINEERING BY:	279	\$50,000.00
	IN-HOUSE		
	CONSTRUCTION PERFORMED BY:		\$0.00
REFERENCE NO. 963	CONTRACTOR		
	PROJECT TYPE:		\$0.00
	CONSTRUCTION		
ADA upgrades at park facilities		ESTIMATED TOTAL COST	\$30,000.00
ADA upgrades to bring park facilities into compliance	ENGINEERING BY:	279	\$30,000.00
	IN-HOUSE		
	CONSTRUCTION PERFORMED BY:		\$0.00
REFERENCE NO. 969	CONTRACTOR		
	PROJECT TYPE:		\$0.00
	REPAIR		

PROJECT YEAR 2024

ADA upgrades at park facilities		ESTIMATED TOTAL COST	\$32,000.00
ADA upgrades to bring park facilities into compliance	ENGINEERING BY:	279	\$32,000.00
	IN-HOUSE		
	CONSTRUCTION PERFORMED BY:		\$0.00
REFERENCE NO. 971	CONTRACTOR		
	PROJECT TYPE:		\$0.00
	REPAIR		

11/10/2022

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Walnut Grove		ESTIMATED TOTAL COST	\$123,000.00
Install new playground structure	ENGINEERING BY: IN-HOUSE	279	\$123,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 972			
New City Park		ESTIMATED TOTAL COST	\$56,000.00
Trails and ground clearing	ENGINEERING BY: IN-HOUSE	279	\$56,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 973			

PROJECT YEAR 2025

ADA upgrades at park facilities		ESTIMATED TOTAL COST	\$75,000.00
ADA upgrades to bring park facilities into compliance	ENGINEERING BY: IN-HOUSE	279	\$75,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 974			
Summerfield Park		ESTIMATED TOTAL COST	\$123,000.00
Install new play structure at Summerfield Park	ENGINEERING BY: IN-HOUSE	279	\$123,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 975			

11/10/2022

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
New City Park		ESTIMATED TOTAL COST	\$50,000.00
Park Development	ENGINEERING BY: IN-HOUSE	279	\$50,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 976			

PROJECT YEAR 2026

ADA upgrades to park facilities		ESTIMATED TOTAL COST	\$32,000.00
ADA upgrades to bring park facilities into compliance	ENGINEERING BY: IN-HOUSE	279	\$32,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 977			

Hunter's Ridge Park		ESTIMATED TOTAL COST	\$98,000.00
New Playground Equipment	ENGINEERING BY: IN-HOUSE	279	\$98,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 978			

Saville Farm Estates		ESTIMATED TOTAL COST	\$25,000.00
Construction of Accessible Walkway	ENGINEERING BY: IN-HOUSE	279	\$25,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 979			

11/10/2022

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
EJ Nutter Park		ESTIMATED TOTAL COST	\$15,000.00
Construction of Accessible Walkway	ENGINEERING BY: IN-HOUSE	279	\$15,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 980			

PROJECT YEAR 2027

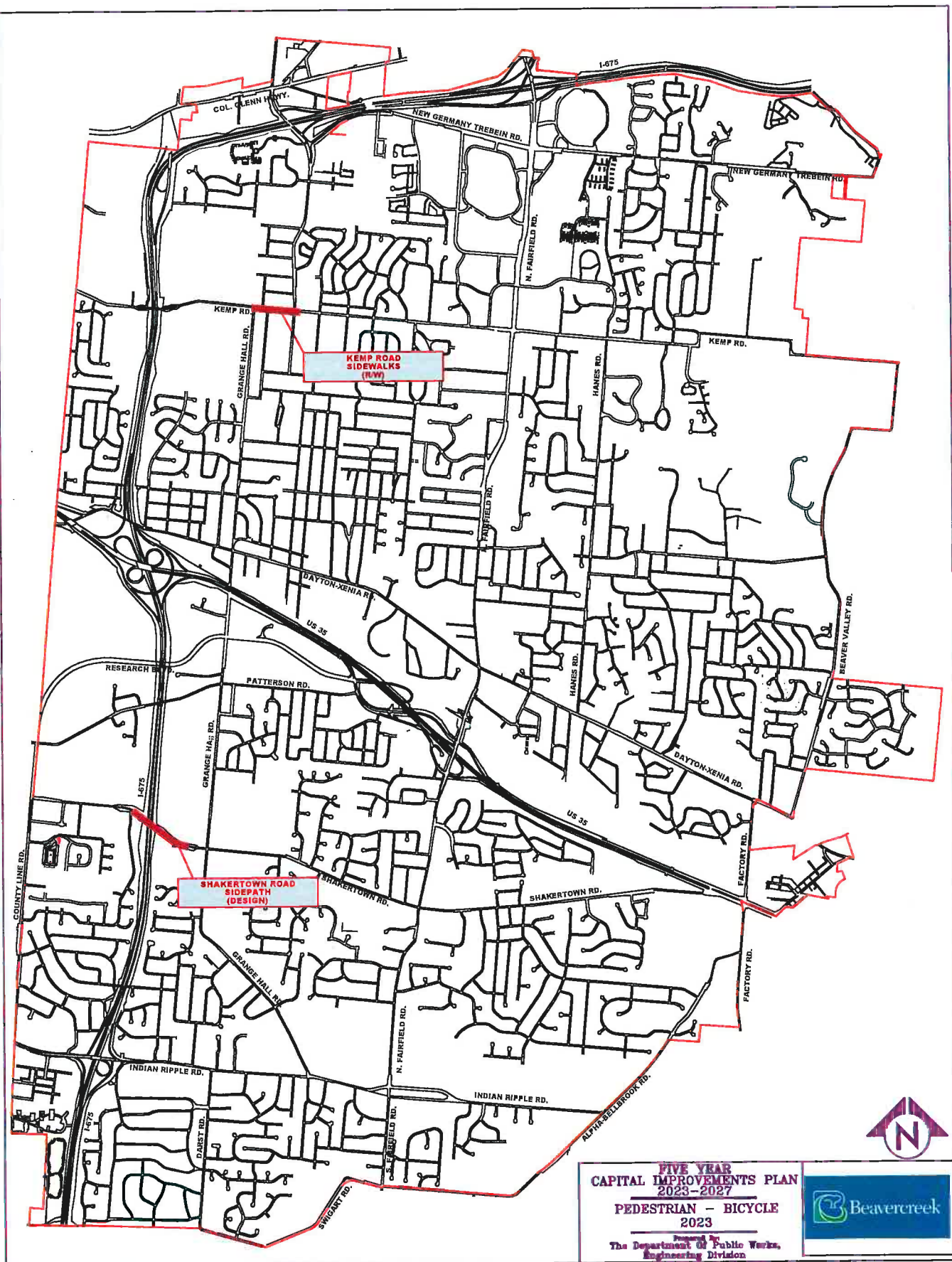
ADA upgrades to park facilities		ESTIMATED TOTAL COST	\$56,000.00
ADA upgrades to bring park facilities into compliance	ENGINEERING BY: IN-HOUSE	279	\$56,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: REPAIR		\$0.00
REFERENCE NO. 981			
Dominick Lofino Playground		ESTIMATED TOTAL COST	\$250,000.00
Playground Equipment Upgrades	ENGINEERING BY: IN-HOUSE	279	\$250,000.00
	CONSTRUCTION PERFORMED BY: IN-HOUSE		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 982			
EJ Nutter Park		ESTIMATED TOTAL COST	\$74,000.00
Continuous Perimeter Trail Construction	ENGINEERING BY: IN-HOUSE	279	\$74,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 983			

PEDESTRIAN – BICYCLE FACILITIES

The City of Beavercreek is fortunate to have as one of its standing committees, the Beavercreek Bikeway and Non-Motorized Transportation Advisory Committee. One of its main duties is to provide suggestions for the construction and maintenance of the City's pedestrian and bikeway infrastructure. This committee provided valuable input into the upgrading of the non-motorized portion of the City's Thoroughfare Plan that was last updated in 2019.

The committee's input into the capital planning process is supported by the Planning Department. It includes the extension and maintenance of bicycle routing on interior, lesser traveled streets, connectivity of sidewalk systems, and construction of various separate bike paths to provide safe travel throughout the City for bicyclists, pedestrians and other forms of non-motorized travel.

The improvement of the City's trail and sidewalk infrastructure is often included as a component of a larger roadway improvement in order to utilize grant funding to the greatest extent possible. Funding for the pedestrian and bicycle facilities as 'standalone' projects is often dependent on the location and type of use and is subject to funding availability as determined by City Council.



**FIVE YEAR
CAPITAL IMPROVEMENTS PLAN
2023-2027**
**PEDESTRIAN - BICYCLE
2023**
The Department of Public Works,
Engineering Division



5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN
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BIKEWAYS AND PEDESTRIAN FACILITIES

PROJECT YEAR 2023

Kemp Road Sidewalks (GH to Oxmoor)		ESTIMATED TOTAL COST	\$100,000.00
R/W Purchase for Sidewalk Installation	ENGINEERING BY: CONSULTANT	204	\$100,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE: R/W ACQUISITION		\$0.00
REFERENCE NO. 537			
Sidepath Repair and Maintenance		ESTIMATED TOTAL COST	\$100,000.00
Sidepath Repairs	ENGINEERING BY: IN-HOUSE	101	\$90,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	204	\$10,000.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 552			

PROJECT YEAR 2024

Kemp Road Pedestrian Improvements (GH to Oxmoor)		ESTIMATED TOTAL COST	\$1,027,000.00
The construction of pedestrian improvements along Kemp Road between Grange Hall Road and Oxmoor.	ENGINEERING BY:	204	\$682,150.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$344,850.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 515			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Shakertown Road Sidepath Extension		ESTIMATED TOTAL COST	\$65,000.00
Installation of sidepath between Willow Run Drive and school	ENGINEERING BY: CONSULTANT	260	\$65,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	PROJECT TYPE: DESIGN		\$0.00
REFERENCE NO. 947			
Sidepath Repairs and upgrades		ESTIMATED TOTAL COST	\$100,000.00
Repair and upgrades to existing sidepaths	ENGINEERING BY: IN-HOUSE	101	\$90,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	204	\$10,000.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 949			

PROJECT YEAR 2025

Shakertown Road Sidepath Extension		ESTIMATED TOTAL COST	\$220,000.00
Installation of sidepath between Willow Run Drive and School	ENGINEERING BY: CONSULTANT	771	\$110,000.00
	CONSTRUCTION PERFORMED BY:	260	\$110,000.00
	PROJECT TYPE: R/W PURCHASE		\$0.00
REFERENCE NO. 950			

PROJECT YEAR 2026

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION		PROJECT DETAILS	PROJECT COST BREAKDOWN	
Shakertown Road Sidepath Extension			ESTIMATED TOTAL COST	\$495,000.00
Installation of sidepath along south side of Shakertown Road from Willow Run to school		ENGINEERING BY: CONSULTANT	204	\$148,500.00
		CONSTRUCTION PERFORMED BY: CONTRACTOR	MVRPC	\$346,500.00
		PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO.	952			

GOLF COURSE FACILITIES

The City of Beavercreek currently operates one of the highest regarded public courses in the State of Ohio. With the age of the golf course and clubhouse now exceeding 25 years, the completion of capital improvements and other maintenance items will take a greater significance into the future. Some of the capital improvements planned for the golf course are summarized below:

- A continuation of the cart path resurfacing efforts.
- Bunker renovations.
- Clubhouse repairs and upgrading the building façade to maintain a high level of quality.
- The correction of channel erosion problems along portions of the course.

This plan lists several maintenance projects that are planned to be completed in 2023 at the golf course. While these improvements are significant, additional work will be needed within the coming years as current funding levels will allow.

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN
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GOLF COURSE CAPITAL ITEMS

PROJECT YEAR 2023

Cart path paving		ESTIMATED TOTAL COST	
Paving of cart paths	ENGINEERING BY:	572	\$25,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	CONTRACTOR		\$0.00
REFERENCE NO. 569	PROJECT TYPE:		
	CONSTRUCTION		
Clubhouse Repairs		ESTIMATED TOTAL COST	
Clubhouse repairs and upgrades	ENGINEERING BY:	572	\$100,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	CONTRACTOR		\$0.00
REFERENCE NO. 959	PROJECT TYPE:		
	REPAIR		
Bunker Renovations		ESTIMATED TOTAL COST	
Bunker Renovations	ENGINEERING BY:	572	\$100,000.00
	CONSTRUCTION PERFORMED BY:		\$0.00
	CONTRACTOR		\$0.00
REFERENCE NO. 960	PROJECT TYPE:		
	REPAIR		

PLANNING FOR STORM WATER FACILITIES

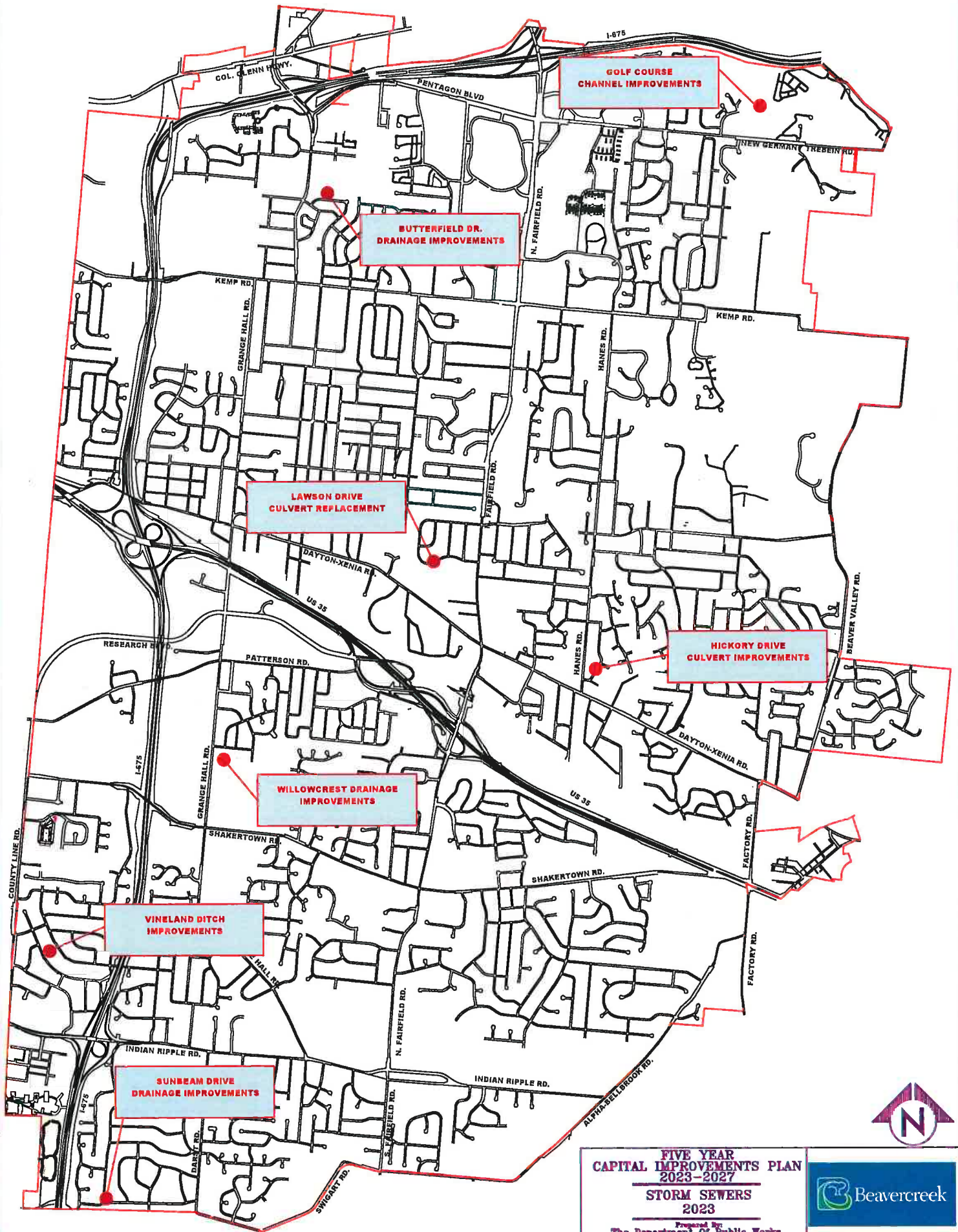
The City of Beavercreek currently maintains approximately 97.4 miles of storm sewer in various sizes and condition, 4,090 catch basins, 1,820 manholes, as well as an estimated 100 miles of roadside ditches and public drainage channels through neighborhoods. In 2022 significant progress was made in completing the City's storm sewer mapping, asset inventory, as well as progress in improving GIS coverage for storm water assets, and in planning for future storm water funding needs. These efforts are expected to continue into 2023 with the completion of storm sewer mapping efforts and in formulating recommendations to meet the long-term storm water needs for the City.

In 2023, three (3) very significant drainage improvements are planned for construction that will address long time street flooding issues, neighborhood ditch erosion, and channel improvements at the golf course. In total, these projects are expected to cost approximately \$4 million to complete and will take some of the most expensive and complex projects off of the City's backlog of needed/unfunded storm water work. These very important storm water improvements are expected to be ready for construction in the fall of 2023. The funding of these projects was made available through the American Rescue Plan Act and represents a one-time funding opportunity.

An important goal for the City in 2023 is to complete the mapping of all existing culverts within the City. These culverts are some of the oldest drainage structures within the City. This GIS mapping work will allow for a more orderly and proactive approach to the replacement of these structures.

Even with the completion of the above referenced GIS mapping and storm water improvements, there will still be a significant backlog of projects. Currently, residents with major capital improvement needs are offered the option of having major storm water improvements performed through the creation of a special assessment district. This program has not been well received and thus, has not been used to correct a single deficiency in the storm water system.

Smaller storm water projects have typically been performed with in-house forces within existing street rights-of-way or easements. As a supplement to this work, funding has been allocated for the hiring of contractors to perform a portion of important pipe and culvert repair work. As the City's infrastructure continues to age, storm sewers and culverts that are either large diameter pipes, or are buried very deep, are beginning to be in need of replacement. These larger and deeper conduits sometime exceed the limits of the equipment available to the Public Service Department. Contracting these pipe replacements will allow for improved maintenance of the drainage system and will allow for quicker responses to resident complaints.



**FIVE YEAR
CAPITAL IMPROVEMENTS PLAN
2023-2027
STORM SEWERS
2023**

Prepared by:
The Department Of Public Works,
Engineering Division



5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN
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STORM WATER & BRIDGE

PROJECT YEAR 2023

BUTTERFIELD STORM SEWER		ESTIMATED TOTAL COST \$60,000.00	
INSTALLATION OF NEW STORM SEWER ON BUTTERFIELD	ENGINEERING BY: IN-HOUSE	260	\$60,000.00
	CONSTRUCTION PERFORMED BY: CONTACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 921			
HICKORY DRIVE CULVERT		ESTIMATED TOTAL COST \$55,000.00	
CULVERT INSTALLATION	ENGINEERING BY: IN-HOUSE	408	\$55,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 922			
CULVERT REPLACEMENTS		ESTIMATED TOTAL COST \$200,000.00	
REPLACEMENT OF OLDER CMP'S PRIOR TO PAVING	ENGINEERING BY: IN-HOUSE	203	\$200,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 928			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Willowcrest Drainage Improvements		ESTIMATED TOTAL COST	\$2,000,000.00
Construction of retention pond and storm sewer by Willowcrest Drive	ENGINEERING BY: CONSULTANT	101	\$200,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	280	\$1,800,000.00
	PROJECT TYPE: DESIGN & CONSTRUCT		\$0.00
REFERENCE NO. 941			
Vineland Ditch Improvements		ESTIMATED TOTAL COST	\$1,750,000.00
Restoration of drainage channel along Vineland Trail	ENGINEERING BY: CONSULTANT	101	\$150,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR	280	\$1,600,000.00
	PROJECT TYPE: DESIGN & CONSTRUCT		\$0.00
REFERENCE NO. 942			
Golf Course Channel Restoration		ESTIMATED TOTAL COST	\$250,000.00
Restoration of drainage channels on golf course property	ENGINEERING BY: CONSULTANT	280	\$250,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: DESIGN & CONSYRU		\$0.00
REFERENCE NO. 943			
Sunbeam Culvert & Pipe Replacement		ESTIMATED TOTAL COST	\$150,000.00
Replace CMP pipe and culvert with new ADS pipe	ENGINEERING BY: IN-HOUSE	204	\$150,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: DESIGN & CONSTRUCT		\$0.00
REFERENCE NO. 945			

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
Lawson Drive Culvert Replacement		ESTIMATED TOTAL COST	\$100,000.00
Replacement of old CMP culvert under Lawson Drive	ENGINEERING BY: IN-HOUSE	203	\$100,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: DESIGN & CONSTRU		\$0.00
REFERENCE NO. 946			

PROJECT YEAR 2024

CULVERT REPLACEMENTS		ESTIMATED TOTAL COST	\$200,000.00
THE REPLACEMENT OF OLDER CMP'S PRIOR TO PAVING THE STREET	ENGINEERING BY: IN-HOUSE	203	\$200,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 931			

PROJECT YEAR 2025

CULVERT REPLACEMENT		ESTIMATED TOTAL COST	\$200,000.00
REPLACEMENT OF OLDER CMP'S PRIOR TO PAVING	ENGINEERING BY: IN-HOUSE	203	\$200,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 933			

PROJECT YEAR 2026

5 YEAR CAPITAL PROGRAM



PROJECT DESCRIPTION	PROJECT DETAILS	PROJECT COST BREAKDOWN	
CULVERT REPLACEMENT		ESTIMATED TOTAL COST	\$200,000.00
THE REPLACEMENT OF OLDER CMP'S PRIOR TO RESURFACING STREET	ENGINEERING BY: IN-HOUSE	203	\$200,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 936			

PROJECT YEAR 2027

CULVERT REPLACEMENT		ESTIMATED TOTAL COST	\$200,000.00
THE REPLACEMENT OF OLDER CMP'S PRIOR TO RESURFACING STREET	ENGINEERING BY: IN-HOUSE	203	\$200,000.00
	CONSTRUCTION PERFORMED BY: CONTRACTOR		\$0.00
	PROJECT TYPE: CONSTRUCTION		\$0.00
REFERENCE NO. 957			

2023-2027 Capital Improvement Program
Major Capital Improvement Projects 10/27/22

Project Description	Year	101 Fund Local Share	203 Fund Local Share	204 Fund Local Share	408 Fund Local Share	771 Fund Local Share	205 Fund Local Share	260 Fund Local Share	Other Share	Total Cost
Grange Hall Road Widening (Kemp to Summerfield) - Const. PID #106222	2023			600,000				585,000	3,115,000	4,300,000
Grange Hall Road Resurfacing (IRR to Shakertown) - Construction PID#117123	2023			258,284					391,716	650,000
N. Fairfield Road Resurfacing (Commons to Pentagon) - Const.	2023		150,000	1,250,000				300,000		1,700,000
N. Fairfield Road Reconstruction (Pentagon to I-675 Ramp) - Final Design (PID 115007)	2023			150,000						150,000
Col. Glenn Hwy. Resurfacing (Corp. to National) - Design PID#117130	2023			25,000						25,000
Col. Glenn Hwy Enhancements (Zink to Grange Hall) - Final Design & R/W (PID 115009)	2023							250,000		250,000
Butterfield Storm Sewer	2023							60,000		60,000
Hickory Drive Culvert	2023				55,000					55,000
Willowcrest Drainage Improvements	2023	200,000							1,800,000	2,000,000
Vineland Ditch Improvements	2023	150,000							1,600,000	1,750,000
Golf Course Channel Restoration	2023								250,000	250,000
Dayton-Xenia Road Widening (Meadow Bridge to Darlington) - Final Design (PID 115006)	2023							300,000		300,000
N. Fairfield Road Widening (Shakertown to Fairbrook) R/W (PID #111451)	2023		400,000							400,000
N. Fairfield Road Widening (Lawson to Fairwood) - R/W (PID #111452)	2023		325,000							325,000
Factory Road Bridge Widening - PID 113665 - Final Design & R/W	2023				250,000					250,000
Superstreet Payment (3 of 5)	2023		50,000							50,000
Kemp Road Sidewalks - R/W Purchases	2023			100,000						100,000
Kemp Road Widening (Freddy's)	2023				150,000	150,000				300,000
I-675 at Grange Hall Study; PID 117486	2023		100,000						400,000	500,000
Sunbeam Culvert & Pipe Replacement	2023			150,000						150,000
Lawson Drive Culvert Replacement	2023		100,000							100,000
Annual Resurfacing, Sidepath Maintenance & Curb Replacement Program	2023	90,000		400,000				1,450,000		1,940,000
2023 Totals		440,000	1,125,000	2,933,284	455,000	150,000	-	2,945,000	7,556,716	15,605,000

Project Description	Year	101 Fund Local Share	203 Fund Local Share	204 Fund Local Share	408 Fund Local Share	771 Fund Local Share	205 Fund Local Share	260 Fund Local Share	Other Share	Total Cost
N. Fairfield Road Widening (Lawson to Fairwood) - Construction (PID #111452)	2024			513,600					1,198,400	1,712,000
Kemp Road Widening (Meadowcourt to Bluewing) - Design PID #115008	2024				150,000			250,000		400,000
Col. Glenn Hwy Enhancements (Zink to Grange Hall) - Construction (PID 115009)	2024		180,950						336,050	517,000
Col. Glenn Hwy. Resurfacing (Corp. to National) - Construction PID#117130	2024			297,960					591,840	889,800
Shakertown Road Sidepath - Design PID#117128	2024							65,000		65,000
Kemp Road Sidewalks (GH Road to Oxmoor) - PID 110374 - Construction	2024			682,150					344,850	1,027,000
Indian Ripple Road Widening (Barronwood to Woodview) Prelim. Design PID#117125	2024			100,000				100,000		200,000
Dayton-Xenia Road Widening (Meadow Bridge to Darlington) - R/W (PID 115006)	2024							350,000		350,000
N. Fairfield Road Reconstruction (Pentagon to I-675 Ramp) - Const. (PID 115007)	2024		426,592			200,000			939,888	1,566,480
Superstreet Payment (4 of 5)	2024		50,000							50,000
Misc. Storm Sewer/Culvert Replacements	2024		200,000							200,000
Annual Resurfacing, Sidepath Maintenance & Curb Replacement Program	2024	90000		1,000,000				1,300,000		2,390,000
2024 Totals		90,000	857,542	2,593,710	150,000	200,000	-	2,065,000	3,411,028	9,367,280

Project Description	Year	101 Fund Local Share	203 Fund Local Share	204 Fund Local Share	408 Fund Local Share	771 Fund Local Share	205 Fund Local Share	260 Fund Local Share	Other Share	Total Cost
Factory Road Bridge Widening - PID 113665 - Const.	2025			282,150					344,850	627,000
N. Fairfield Road Widening (Shakertown to Fairbrook) - Construction (PID #111451)	2025			700,000	134,850			600,000	2,807,650	4,242,500
Superstreet Payment (5 of 5)	2025		50,000							50,000
N. Fairfield Road Widening (Claydor to Kemp) - Design PID #117126	2025					75,000		75,000		150,000
Park Overlook - Roundabout Const.	2025					110,000		110,000		220,000
Shakertown Road Sidepath - R/W PID #117128	2025							50,000		50,000
Dayton-Xenia Road Widening (Meadow Bridge to Darlington) - Construction (PID 115006)	2025							728,028	1,698,732	2,426,760
Indian Ripple Road Widening (Barronwood to Woodview) Final Design PID #117125	2025			100,000				100,000		200,000
Kemp Road Widening (Meadowcourt to Bluewing) - R/W PID #115008	2025			250,000	200,000			50,000		500,000
Misc. Storm Sewer/Culvert Replacements	2025		200,000							200,000
Annual Resurfacing, Sidepath Maintenance & Curb Replacement Program	2025	90000		1,000,000				1,300,000		2,390,000
2025 Totals		90,000	250,000	2,332,150	334,850	185,000	-	3,013,028	4,851,232	11,056,260

Project Description	Year	101 Fund Local Share	203 Fund Local Share	204 Fund Local Share	408 Fund Local Share	771 Fund Local Share	205 Fund Local Share	260 Fund Local Share	Other Share	Total Cost
Kemp Road Widening (Meadowcourt to Bluewing) - Construction PID #115008	2026			200,000	200,000			402,500	1,872,500	2,675,000
Pentagon Blvd. Resurfacing (GH to N. Fairfield) - Design	2026		100,000							100,000
Shakertown Road Sidepath - Construction PID #117128	2026			148,500					346,500	495,000
N. Fairfield Road Widening (Claydor to Kemp) - R/W PID #117126	2026					150,000		100,000		250,000
Indian Ripple Road Widening (Barronwood to Woodview) R/W PID #117125	2026			125,000				125,000		250,000
Misc. Storm Sewer/Culvert Replacements	2026		200,000							200,000
Annual Resurfacing, Sidepath Maintenance & Curb Replacement Program	2026	90000		1,000,000				1,300,000		2,390,000
2026 Totals		90,000	300,000	1,473,500	200,000	150,000	-	1,927,500	2,219,000	6,360,000

Project Description	Year	101 Fund Local Share	203 Fund Local Share	204 Fund Local Share	408 Fund Local Share	771 Fund Local Share	205 Fund Local Share	260 Fund Local Share	Other Share	Total Cost
Indian Ripple Road Widening (Barronwood to Woodview) - Construction PID #117125	2027			400,000				456,000	1,284,000	2,140,000
Pentagon Blvd. Resurfacing (GH to N. Fairfield) - Construction	2027			600,000				600,000		1,200,000
N. Fairfield Road Widening (Claydor to Kemp) - Construction PID #117126	2027					150,000		163,500	731,500	1,045,000
Misc. Storm Sewer/Culvert Replacements	2027		200,000							200,000
Annual Resurfacing, Sidepath Maintenance & Curb Replacement Program	2027	90000		1,000,000				1,300,000		2,390,000
2027 Totals		90,000	200,000	2,000,000	-	150,000	-	2,519,500	2,015,500	6,975,000

Beavercreek
FIVE YEAR CAPITAL IMPROVEMENT PLAN
10/26/2022
FUNDING NEEDS / YEAR

[illegible]