

2023



CITY OF KETTERING

Southern Blvd Improvements

South of Stroop Road

City Project No. 02-142L

08.23.2023

KETTERING
is home



Public Works Commission

Application for Financial Assistance

IMPORTANT: Please consult "Instructions for Financial Assistance for Capital Infrastructure Projects" for guidance in completion of this form.

Applicant	Applicant: _____	Subdivision Code: _____
	District Number: _____ County: _____	Date: _____
	Contact: _____ <small>(The individual who will be available during business hours and who can best answer or coordinate the response to questions)</small>	Phone: _____
	Email: _____	FAX: _____

Project	Project Name: _____	Zip Code: _____	
	Subdivision Type	Project Type	Funding Request Summary
	_____	<small>(Select single largest component by \$)</small>	<small>(Automatically populates from page 2)</small>
	SFN	1. Road	Total Project Cost: _____ .00
	_____	2. Bridge/Culvert	1. Grant: _____ .00
		3. Water Supply	2. Loan: _____ .00
	4. Wastewater	3. Loan Assistance/ Credit Enhancement: _____ .00	
	5. Solid Waste		
	6. Stormwater	Funding Requested: _____ .00	

District Recommendation (To be completed by the District Committee)

Funding Type Requested	SCIP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<small>(Select one)</small>		
State Capital Improvement Program	RLP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
Local Transportation Improvement Program	Grant:	Amount: _____ .00
Revolving Loan Program	LTIP:	Amount: _____ .00
Small Government Program	Loan Assistance / Credit Enhancement:	Amount: _____ .00
District SG Priority: _____		

For OPWC Use Only

STATUS	Grant Amount: _____ .00	Loan Type: <input type="checkbox"/> SCIP <input type="checkbox"/> RLP
Project Number: _____	Loan Amount: _____ .00	Date Construction End: _____
_____	Total Funding: _____ .00	Date Maturity: _____
Release Date: _____	Local Participation: _____ %	Rate: _____ %
OPWC Approval: _____	OPWC Participation: _____ %	Term: _____ Yrs

OPWC Project Financial Information

SCIP Financials

Subdivision: City of Kettering

Project Name: Southern Blvd Improvements - South of Stroop (SCIP)

Project Estimated Costs

(All Costs Rounded to Nearest Dollar)

Engineering Services

Estimated Engineering:	_____	.00	
Construction Administration:	_____	.00	
Total Engineering Services:		<u>0</u>	.00 <u>0.0</u> %
Right of Way:		_____	.00
Construction:		<u>1,022,727</u>	.28
Permits, Advertising, Legal:		_____	.00
Construction Contingencies:		<u>102,272</u>	.73 <u>10.0</u> %
Total Estimated Costs:		<u>1,125,000</u>	.00

Project Financial Resources

Local Resources

Local In-Kind or Force Account:	_____	.00	
Local Revenues:		<u>625,000</u>	.00
Other Public Revenues:			
ODOT / FHWA PID: _____	_____	.00	
OEPA / OWDA: _____	_____	.00	
Other: _____	_____	.00	
Subtotal Local Resources:		<u>625,000</u>	.00 <u>55.6</u> %

OPWC Funds

Grant: <u>0</u> % of OPWC Funds	_____	.00	
Loan: <u>100</u> % of OPWC Funds		<u>500,000</u>	.00
Loan Assistance / Credit Enhancement:		<u>0</u>	.00
Subtotal OPWC Funds:		<u>500,000</u>	.00 <u>44.4</u> %
Total Financial Resources:		<u>1,125,000</u>	.00 <u>100.0</u> %

OPWC Project Financial Information

LTIP Financials

Subdivision: City of Kettering

Project Name: Southern Blvd Improvements - South of Stroop (LTIP)

Project Estimated Costs

(All Costs Rounded to Nearest Dollar)

Engineering Services

Estimated Engineering:	_____	.00		
Construction Administration:	_____	.00		
Total Engineering Services:			<u>0</u>	.00 <u>0.0</u> %
Right of Way:			_____	.00
Construction:			<u>1,022,727</u>	.28
Permits, Advertising, Legal:			_____	.00
Construction Contingencies:			<u>102,272</u>	.73 <u>10.0</u> %
Total Estimated Costs:			<u>1,125,000</u>	.00

Project Financial Resources

Local Resources

Local In-Kind or Force Account:			_____	.00
Local Revenues:			<u>925,000</u>	.00
Other Public Revenues:				
ODOT / FHWA PID:	_____		_____	.00
OEPA / OWDA:			_____	.00
Other:	_____		_____	.00
Subtotal Local Resources:			<u>925,000</u>	.00 <u>82.2</u> %

OPWC Funds

Grant:	<u>100</u> % of OPWC Funds		<u>200,000</u>	.00
Loan:	<u>0</u> % of OPWC Funds		_____	.00
Loan Assistance / Credit Enhancement:			<u>0</u>	.00
Subtotal OPWC Funds:			<u>200,000</u>	.00 <u>17.8</u> %
Total Financial Resources:			<u>1,125,000</u>	.00 <u>100.0</u> %

1.3 Availability of Local Funds

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local resources required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project New / Expansion: _____ .00

3.0 Project Schedule

3.1 Engineering / Design / Right of Way Begin Date: _____ End Date: _____

3.2 Bid Advertisement and Award Begin Date: _____ End Date: _____

3.3 Construction Begin Date: _____ End Date: _____

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed.

Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: _____ Years Age: _____ (Year built or year of last major improvement)

Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.

4.2 User Information

Road or Bridge: Current ADT _____ Year _____

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

Residential Water Rate Current \$ _____ Number of households served: _____

Residential Wastewater Rate Current \$ _____ Number of households served: _____

Stormwater: Number of households served: _____

4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 2000 character limit.

B: IDENTIFY THE PROBLEM (Describe the issue to be addressed) 2000 character limit.

C: PROJECT SCOPE (Describe the work to be completed) 2000 character limit.

D. How do you intend to promote this project? 1000 character limit.

E: Additional Notes From Applicant - 1000 character limit.

5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

5.1 Chief Executive Officer (Person authorized in legislation to sign project agreements)

Name: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

FAX: _____

E-Mail: _____

5.2 Chief Financial Officer (Can not also serve as CEO)

Name: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

FAX: _____

E-Mail: _____

5.3 Project Manager

Name: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

FAX: _____

E-Mail: _____

6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.

A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.

A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.

A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.

Farmland Preservation Review - The Governor's Executive Order 98-IIV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.

Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.

Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.

Certifying Representative (Printed form, Type or Print Name and Title)

Original Signature / Date Signed



CITY OF KETTERING

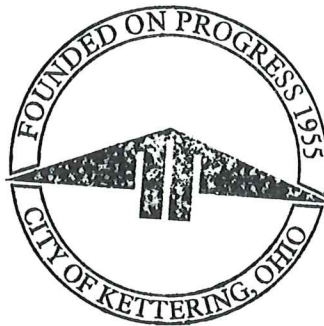
SHAUNA KACZYNSKI
CLERK OF COUNCIL

CERTIFICATE OF CLERK OF COUNCIL

STATE OF OHIO :
COUNTY OF MONTGOMERY : SS
CITY OF KETTERING :

The undersigned Clerk of Council of the City of Kettering, Ohio, hereby certifies that the foregoing is a true and a correct copy of Resolution No. 10920-23 passed by the Council of the City of Kettering on the 25th day of July 2023.

IN TESTIMONY WHEREOF, witness my hand and official seal this 3rd day of August 2023.



LASHAUNAH D. KACZYNSKI
Clerk of Council

CITY OF KETTERING, OHIO

A RESOLUTION

By: MS.DUVALL AND MRS.FISHER

No. 10920-23

**AUTHORIZING THE CITY MANAGER TO APPLY FOR
FUNDING FROM THE OHIO PUBLIC WORKS COMMISSION
FOR THE SOUTHERN BOULEVARD IMPROVEMENTS
PROJECT AND THE HERITAGE POINT DRIVE
IMPROVEMENTS PROJECT**

WHEREAS, the Ohio Public Works Commission's ("OPWC") State Capital Improvement Program and Local Transportation Improvement Program both provide financial assistance to political subdivisions for capital improvements to public infrastructure; and

WHEREAS, the City of Kettering is currently planning to make capital improvements with the following project(s):

1. Southern Boulevard Improvements – South of Stroop Road (Project No. 02-142L);
2. Heritage Point Drive Improvements – (Project No. 02-291); and

WHEREAS, the infrastructure improvements described above are considered to be a priority need for the community and are qualified projects under the OPWC programs;

NOW, THEREFORE, Be It Resolved by the Council of the City of Kettering, State of Ohio, that:

Section 1. The City Manager is hereby authorized to make application on behalf of the City of Kettering to the OPWC for funds for the capital improvement(s) described in the recital paragraphs above.

Section 2. The City Manager is further authorized to take all necessary and proper action to accept the funds awarded and execute any related contracts or instruments. The City Manager is further authorized to sign any amendments or extensions thereto that the City Manager deems appropriate.


Section 3. As provided in Section 4-8 of the City Charter, this Resolution takes effect immediately upon its adoption.

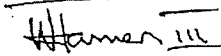
Passed by Council this 25 day of JULY 2023.


PEGGY LEHNER, Mayor

ATTEST:

CERTIFICATE OF APPROVAL


LASHAUNAH D. KACZYNSKI,
Clerk of Council


THEODORE A. HAMER III,
Law Director

(Requested by: Engineering Department)



CITY OF KETTERING

FINANCE DEPARTMENT

CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

August 18, 2023

I, Nancy Gregory, Finance Director of the City of Kettering, Ohio, hereby certify that the City of Kettering has the amount of **\$ 625,000.00** in the Capital Improvement Fund and that this amount will be used to pay the local share for the Southern Boulevard Improvements – South of Stroop Road project, when it is required.

I, Nancy Gregory, Finance Director of the City of Kettering, hereby certify that the City of Kettering has the amount of **\$ 500,000.00** in the Capital Improvement Fund and that this amount will be used to repay the Ohio Public Works Commission SCIP or RLP loan requested for the Southern Boulevard Improvements – South of Stroop Road project over a 20 year term.

Nancy Gregory, Finance Director
City of Kettering, Ohio



CITY OF KETTERING

FINANCE DEPARTMENT

CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

August 18, 2023

I, Nancy Gregory, Finance Director of the City of Kettering, Ohio, hereby certify that the City of Kettering has the amount of **\$ 925,000.00** in the Capital Improvement Fund and that this amount will be used to pay the local share for the Southern Boulevard Improvements – South of Stroop Road project, when it is required.

A handwritten signature in blue ink, appearing to read "Nancy M. Gregory", written over a horizontal line.

Nancy Gregory, Finance Director
City of Kettering, Ohio

CITY			EST'D	UNIT	ESTIMATED
SPEC.	DESCRIPTION	UNIT	QUANT.	PRICE	COST
201	CLEARING AND GRUBBING INCLUDING TREE/STUMP REMOVAL (<12"), AS PER PLAN	1	LUMP	\$4,000.00	\$4,000.00
202	CATCH BASIN OR INLET REMOVED	32	EACH	\$750.00	\$24,000.00
202	CONCRETE CURB REMOVED	8,636	FOOT	\$15.00	\$129,540.00
202	CONCRETE FLATWORK REMOVED (9" & UNDER)	648	SF	\$7.00	\$4,536.00
253	PAVEMENT REPAIRS, FULL DEPTH, AS PER PLAN	100	SY	\$100.00	\$10,000.00
254	PAVEMENT PLANING, 2.5"	14,795	SY	\$2.75	\$40,687.12
407	NON-TRACKING TACK COAT, AS PER PLAN	2,959	GAL	\$3.50	\$10,356.72
441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (449), (1")	832	TON	\$110.00	\$91,546.02
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG64-22 (1.5")	1,248	TON	\$110.00	\$137,319.03
605A	6" PERFORATED SHALLOW PIPE UNDERDRAIN W FABRIC WRAP, 707.31	120	FOOT	\$20.00	\$2,400.00
605B	4" DRAIN TILE, SCHEDULE 40 PVC (CONTINGENCY)	100	FOOT	\$50.00	\$5,000.00
608A	REMOVE AND REPLACE BRICK PAVERS, AS PER PLAN	324	SF	\$40.00	\$12,960.00
608A	6" CONCRETE DRIVE APPROACH	648	SF	\$15.00	\$9,720.00
609	ODOT TYPE 6 CURB	8,636	FOOT	\$35.00	\$302,260.00
611	CATCH BASIN, TYPE 3A - KETTERING MODIFIED	26	EACH	\$3,500.00	\$91,000.00
611	CATCH BASIN, TYPE 3 - KETTERING MODIFIED	6	EACH	\$4,250.00	\$25,500.00
611	MANHOLE ADJUSTED TO GRADE, TYPE 1	15	EACH	\$750.00	\$11,250.00
611	MANHOLE ADJUSTED TO GRADE, TYPE 2A	8	EACH	\$1,250.00	\$10,000.00
611	MANHOLE ADJUSTED TO GRADE, TYPE 2B	8	EACH	\$1,750.00	\$14,000.00
611	12" CONDUIT, ADS N-12 OR APPROVED EQUAL (CONTINGENCY)	100	FOOT	\$100.00	\$10,000.00
613	LOW STRENGTH MORTAR BACKFILL, LSM 100 (CONTINGENCY)	20	CY	\$200.00	\$4,000.00
614	MAINTAINING TRAFFIC	1	LUMP	\$28,872.38	\$28,872.38
632	DETECTOR LOOP	1	EACH	\$1,750.00	\$1,750.00
644	CENTERLINE, DOUBLE SOLID (FOOT)	50	FOOT	\$20.00	\$1,000.00
644	STOP LINE, 24"	18	FOOT	\$25.00	\$450.00
644	CROSSWALK LINE, 12"	94	FOOT	\$20.00	\$1,880.00
832	STORM WATER POLLUTION PREVENTION PLAN, PER ODOT SS 832	1	LUMP	\$2,000.00	\$2,000.00
832	STORM WATER POLLUTION PREVENTION INSPECTIONS	1	LUMP	\$1,750.00	\$1,750.00
832	STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	1	LUMP	\$1,250.00	\$1,250.00
832	SEDIMENT AND EROSION CONTROL, PER ODOT SS 832	7,500	EACH	\$1.00	\$7,500.00
901	WATER VALVE ADJUSTED TO GRADE, TYPE 1	2	EACH	\$400.00	\$800.00
901	WATER VALVE ADJUSTED TO GRADE, TYPE 2A	2	EACH	\$800.00	\$1,600.00
902	SANITARY MANHOLE ADJUSTED TO GRADE, TYPE 1	14	EACH	\$700.00	\$9,800.00
902	SANITARY MANHOLE ADJUSTED TO GRADE, TYPE 2A	6	EACH	\$1,400.00	\$8,400.00
902	SANITARY MANHOLE ADJUSTED TO GRADE, TYPE 2B	2	EACH	\$2,800.00	\$5,600.00
ESTIMATED CONSTRUCTION COST:					\$1,022,727.28
				10% CONTINGENCY	\$102,272.73
TOTAL ESTIMATED CONSTRUCTION COST:					\$1,125,000.00

I, hereby, certify that the project estimated costs are realistic based upon the level of detail currently available for this project. The estimated useful life of this project is 23.6 years. In evidence, whereof, I set my signature and seal this date.

Michael Zink, P.E.

Michael Zink, P.E. (Ohio License No. 83447)

8-21-23

Date



A weighted useful life statement stamped/sealed and signed by a licensed professional engineer must be included with the project application.

This spreadsheet has formulas to make a weighted useful life calculation and is populated with an example for illustrative purposes. Items can be added to column a.

Weighted Useful Life & Design Service Capacity Calculations

Major Component	Cost (\$1,000)	Portion Repair / Replacement (%)	Repair / Replace Product	Useful Life (Years)	Useful Life Product
Full-depth road construction w/ drainage	\$475	100	\$47,498	25	11874.5
Full-depth road construction w/o drainage		0	\$0	25	0
Partial-depth road construction w/ drainage		0	\$0	15	0
Partial-depth road construction w/o drainage	\$438	100	\$43,756	15	6563.325074
Storm Sewers	\$212	100	\$21,247	40	8498.6
Sanitary Sewers		0	\$0	40	0
Water Lines		0	\$0	40	0
Bridge		0	\$0	75	0
Pumps, Lift Stations		0	\$0	15	0
Sidewalks		0	\$0	25	0
Bike Facility		0	\$0	7	0
			0		0
			0		0
			0		0
Totals	1125.0		112500.0		26936.4

Weighted Useful Life: 23.9 Years

Design Service Capacity (Project Application, Section 2.0):

Portion Repair / Replace 100 %
 Portion New / Expansion 0 %

USEFUL LIFE CERTIFICATION

I hereby certify that this project has an expected useful life of normal usage in this specific situation; in evidence, whereof, I have set my signature and seal as of this date.

Michael Y. Zink E-83447
 Project Manager
 Ohio Engineer's License #

8-21-2023
 Date



OHIO PUBLIC WORKS COMMISSION

DISTRICT 4

FY25 Supplemental Questionnaire

Applicant: City of Kettering

Project Title: Southern Blvd Improvements - South of Stroop

Application Summary:

Briefly describe the project:

This 5,050 foot long project will reconstruct curb, replace under-capacity catch basins, and resurface the asphalt roadway surface. Associated work includes replacement of traffic detection and pavement markings, as well as adjusting manholes and valves to grade.

This portion of Southern Boulevard is classified as a local road. RTA bus routes #11 and #19 are located at the northern end of the project along Stroop Road.

City engineering staff will prepare the bid documents. No right-of-way is required for the project work. Specifications will be written to minimize disruption to the traveling public during construction.

The street was last resurfaced in 2004.

Priority:

Is this application your priority project? (Circle One)	
Yes <input checked="" type="radio"/>	No <input type="radio"/>

Generation of Revenue:

Will new user fees or assessments be assessed as part of this project? (Circle One)	
Yes <input checked="" type="radio"/>	No <input type="radio"/>
What will the new user fees or assessments be used for?	
Adjacent property owners will be assessed for existing curb (and related drive approach) that does not meet specifications (deteriorated, heaved/settled, etc). Repair of these items are typically assessed to the adjacent property owners, who are legally responsible, and well as directly benefited.	

Additional Funding:

Will OPWC match, in part, a committed grant or loan? (Circle One)	
Yes <input type="radio"/>	No <input checked="" type="radio"/>
If no, was the project submitted to an appropriate agency for funding, but denied due to lack of funding? (Circle One)	
Yes – Appropriate Documentation Attached <input type="radio"/>	No <input checked="" type="radio"/>

Readiness of Project:

Will this project be <u>substantially</u> underway on or before June 1, 2025? (Circle One)	
Yes <input checked="" type="radio"/>	No <input type="radio"/>

Health & Safety:

Describe the specific health or safety issue being addressed by this project. What deficiency or condition is causing the health or safety issue?
The existing curb and gutter is flawed and considerably deteriorated. The gutter drops four inches from the pavement surface. Therefore, at driveways, the gutter is filled-in so that vehicles can access properties. This causes runoff to enter the street at each driveway, and becomes especially problematic during the winter with freeze/thaw.
The pavement condition rating (PCR) of 57 indicates a fairly deteriorated asphalt roadway surface. At the year of resurfacing (2024), the asphalt pavement will have lasted 20 years.

Addresses District Infrastructure Needs:

Is this project located in more than one community? (Circle One)		
Yes <input type="radio"/>		No <input checked="" type="radio"/>
What percentage of the community will be served by this project? (Circle One)		
Less than 25% <input checked="" type="radio"/>	25% to 40% <input type="radio"/>	More than 40% <input type="radio"/>

Economic Development

How many jobs are being created as a result of this project?	0
How many jobs will be retained as a result of this project?	0
Why is it necessary to fund this improvement to secure this development?	
N/A	
What type of industry is proposed in this development?	
N/A	

Relieve Existing Traffic Congestion:

What is the level of service?	LOS A
--------------------------------------	-------

Other Factors

What other factors exist that make this project more important than other like projects?

Southern Boulevard Improvements – South of Stroop Road

Detailed Project Description

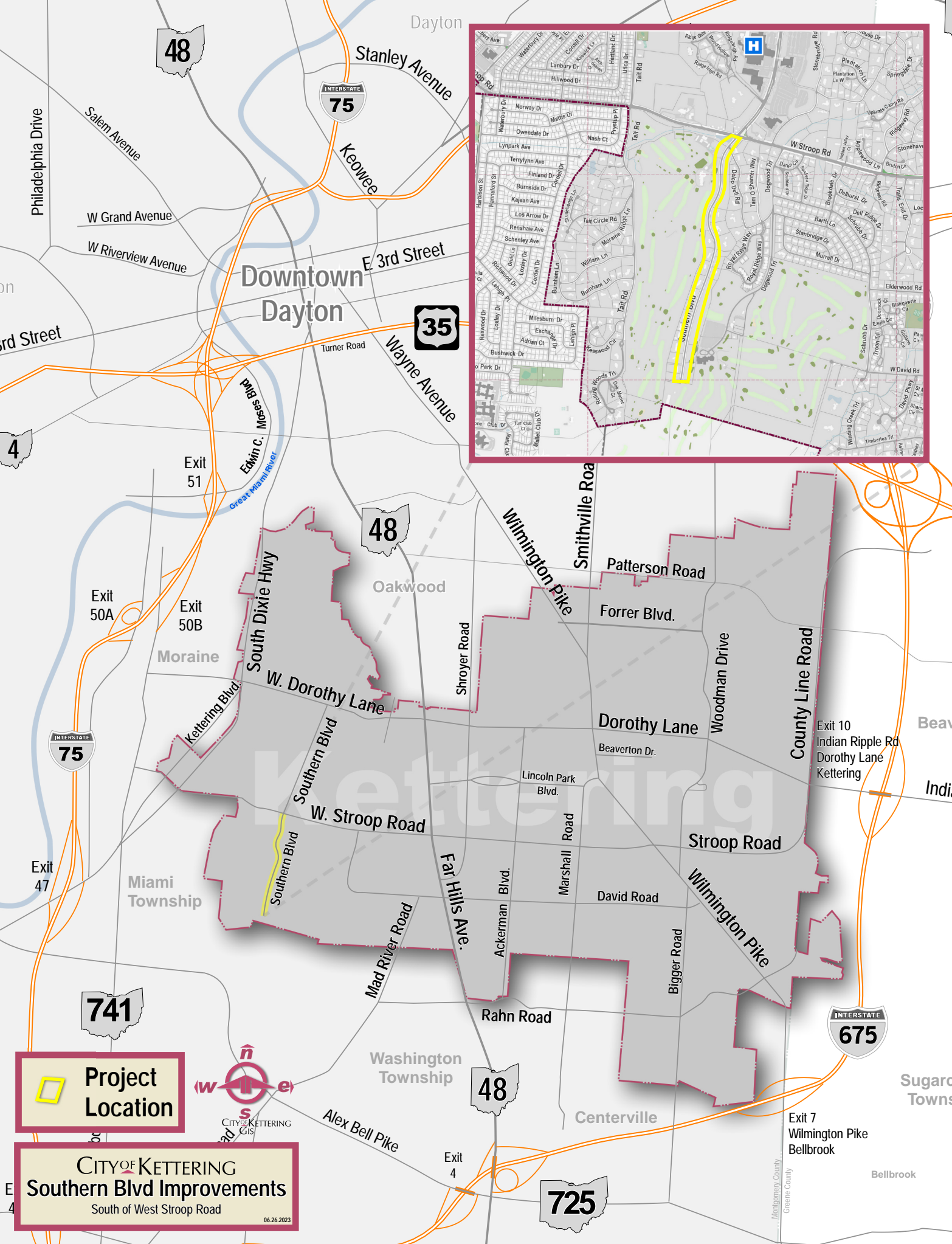
The purpose of this project is to resurface the asphalt pavement, and replace failed curbs and catch basins. Most of the existing curb and gutter is deteriorated, and furthermore, was not designed for driveway access. The failing curbs no longer support the asphalt pavement and will cause further deterioration of the pavement structure until replaced. The gutter dips more than four inches (instead of the standard half inch) over the span of twenty-four inches, which does not permit a vehicle to traverse. Therefore, adjacent property owners fill-in the gutter with asphalt, backing up gutter-flow and causing it to enter the street. This is especially problematic during freeze-thaw cycles in winter months. The asphalt pavement has a Pavement Condition Rating of 57.

Most of the catch basins are under-capacity and are beyond their useful life. The replacement catch basins will be designed to current design criteria, and will improve the street drainage.

The total length of the project is 5,050 feet, and runs from West Stroop Road south to its terminus. The street is classified as Local, and provides access to two golf facilities as well as residents. The design ADT is 600 vehicles per day. RTA bus routes #11 and #19 run along Stroop Road at the northern end of the project.

The critical design step of the project is to gather survey data and recreate the vertical profile of the proposed curb and centerline to ensure proper pavement cross-slopes and increase pavement depth where possible. The proposed sale date for the project is February 2025.

The cost to replace the curb will be primarily born by the adjacent property owners, who will be assessed. The project is not in a historic district, nor a floodplain.



48

INTERSTATE
75

35

48

INTERSTATE
75

741

INTERSTATE
675

48

725

Philadelphia Drive

Salem Avenue

W Grand Avenue

W Riverview Avenue

rd Street

Downtown
Dayton

Stanley Avenue

Keowee

E 3rd Street

Turner Road

Wayne Avenue

Exit 51

Exit 50A

Exit 50B

Moraine

Oakwood

Miami Township

South Dixie Hwy

Kettering Blvd

W. Dorothy Lane

Southern Blvd

Southern Blvd

W. Stroop Road

Mad River Road

Fair Hills Ave.

Rahn Road

Washington Township

Alex Bell Pike

Exit 4

Wilmington Pike

Smithville Road

Patterson Road

Farrer Blvd.

Dorothy Lane

Beaverton Dr.

Woodman Drive

Stroop Road

David Road

Wilmington Pike

Bigger Road

Centerville

County Line Road

Exit 10
Indian Ripple Rd
Dorothy Lane
Kettering

Exit 7
Wilmington Pike
Bellbrook

Bellbrook

Sugar
Town



Project Location

CITY OF KETTERING
Southern Blvd Improvements
South of West Stroop Road
06.26.2023

PROJECT PHOTOS



Southern Boulevard, facing south.
Deteriorating asphalt pavement surface. Remaining curb mostly overgrown with vegetation.



Southern Boulevard, facing south.
Cracking asphalt pavement exacerbated by deteriorated curb.



Southern Boulevard, facing south.
Curb gutter more than 4 inches low (half inch typical).



Southern Boulevard, facing north.
Cracking asphalt pavement exacerbated by failed catch basin.



Southern Boulevard, facing north.
Asphalt edge unsupported and falling towards catch basin and gutter. Gutter filled with asphalt at driveway and grass beyond that.



Southern Boulevard, facing south.

Asphalt cracking. Gutter paved over with asphalt in past to cover gutter and provide additional pavement thickness. Undersized catch basin needs replaced.



CITY OF KETTERING

ENGINEERING DEPARTMENT

Traffic Count

Current ADT (2022)	550
Design Year ADT	600
Design Hourly Volume	60 Veh/Hr
Directional Distribution	65%
Trucks	5%
Functional Classification	Residential