



FY21 Community Development Block Grant

Funding Request

Organization	City of Lakewood Department of Public Works
Organization Type	Municipal Government
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Project/Program Name	Street Resurfacing & Water Main Replacement
Total FY21 Project Budget	\$ 7,716,850
FY21 CDBG Funding Request	\$ 460,000

**Lakewood Department of Public Works
Street Resurfacing & Water Main Replacement**

CDBG Eligibility Criteria

Lakewood Department of Public Works' **Street Resurfacing & Water Main Replacement Program** satisfies the following CDBG eligibility criteria and therefore is suitable for funding consideration.

CDBG National Objective

Low-Moderate Income Area Benefit (LMA): An activity that is available to and benefits all residents in a defined residential area where at least 51% of the residents are low-moderate income persons.

CDBG-Eligible Activity Category

Public Facilities & Improvements: The acquisition, construction, reconstruction, rehabilitation, or installation of public improvements or facilities, excluding buildings for the general conduct of government.

HUD-Designated Performance Objective

Create Suitable Living Environments

HUD-Designated Performance Outcome

Sustainability

I. ABSTRACT

The Lakewood Department of Public Works is responsible for the operation, maintenance and performance of the City's water system, sanitary and storm sewer infrastructure, wastewater treatment plant, roadways, parks, and forestry located in the City Right-of-Way. Specifically, this application is for much needed improvements of roadways and water system located within low-moderate income areas that are eligible for CDBG funds.

II. PROJECT NARRATIVE

A. FY21 STREET RESURFACING PROJECT

1. Goals & Objectives

The City of Lakewood plans to improve Detroit Avenue (US-6) and its intersection with Sloane Avenue/Valley Parkway to Graber Drive. The planned improvements intend to: 1) provide better and safer pedestrian/bicyclist access into the Rocky River Reservation (Cleveland MetroParks); 2) increase safety for pedestrians/bicyclist by reducing the crosswalk lengths across Detroit at the Sloane/Rocky River Reservation intersection and adding a crosswalk on the western side of the intersection; 3) remove the center island at the eastern end of the project area to provide safer and wider lanes; 4) provide attractive Transit waiting areas for the entertainment district at Detroit and Graber, the GCRTA station, and the Rocky River Reservation; 5) aesthetically improve the gateway into Lakewood; and, 6) replace the deteriorated pavement in-kind.

2. Provide the following information for each proposed FY21 CDBG Street Resurfacing project.

- Street Name - Detroit
- Limits – Sloane to Graber
- Census Tract/ Block Group - 160700/1
- Length/Width – 900'/55'-62' varies
- Pavement Condition Rating - 58
- Last Year Paved & Type – 2007 Deep Grind and Overlay
- Total Project Cost - \$2,800,000
- CDBG Funding Request - \$360,000
- Service Area Structures - 16

3. Project Selection & Prioritization Criteria

The City requested funding from NOACA in 2018 as a safety improvement project. This project ranked high amongst other projects in the region such that NOACA agreed to partially fund the project.

4. Implementation Schedule

2020 Street Improvements Schedule	
Milestone	Completion Deadline
Project Scope Meeting	Completed - January 2020
Stage 1 and 2 Submittal	Completed - July 2020
Stage 3 Submittal	October 2020
Plans, Specifications, & Estimate Package	December 2020
Environmental Documentation Approval	December 2020
District 12 Right-of-Way Approval	December 2020
Bidding	January 2021
Award	March 2021
Construction	April 2021
Construction Completion	November 2021

5. Resident Engagement & Outreach Strategies

Three (3) separate public meetings were held; one with City Council, one with Planning Commission and one with Architectural Board of Review. All meetings were noticed to the public as required. One hundred and forty-seven notices (147) were sent to the property owners within the project area as well as adjacent businesses and properties located within 500 feet soliciting public comment. The City’s website also contained a notice soliciting comments for a period of two (2) weeks. Comments were received and evaluated. Additionally, City staff met with the Cleveland Metroparks, Greater Cleveland RTA, NOACA, and business owners to incorporate ideas into the project design. Throughout the construction period, the City will continue to keep the roadway users and property owners engaged through communications and electronic roadway message boards.

6. Staffing (add rows as necessary)

Title	Brief Summary of Responsibilities
City Engineer	Project administrator, development of scope of work, design, final review and oversight
Consultant	Preparation of Plans and Specifications, Utility Coordination, and inspection
Administrative Assistant	Clerical, Filing, Record Retention, Invoice tracking

7. Will the proposed FY21 Street Resurfacing projects:

Involve a 20%+ Change in Size or Capacity? Yes No

If yes, discuss additional environmental review requirements with the city’s Development Officer. This project is expected to receive a Categorical Exclusion from ODOT.

Comply with ADA accessibility requirements? Yes No

If yes, briefly describe project accessibility features. Increasing sidewalk widths, reducing the crosswalk widths and reducing the lane widths will necessitate the installation of new ADA curb ramps which will conform to ADA standards.

Be Competitively Bid? Yes No

If yes, briefly describe the bid & contractor selection processes.

The projects will be advertised as required by Ohio Revised Code. The lowest and best bid will be awarded the project. Contractors bidding the project will be required to be pre-qualified to perform the work and meet DBE goals.

8. Project Monitoring, Quality Control & Outcome Evaluation

This Local Public Authority (LPA) project will be required to meet ODOT’s standards for monitoring, quality control and outcome. Lakewood will contract a consultant to perform daily construction inspection and administration for the project. All materials incorporated in the project must be ODOT pre-qualified and tested to verify that they meet the project specifications. ODOT will oversee the program as well and will review the final product for acceptance.

9. FY21 Street Resurfacing Program Budget

FY21 Street Resurfacing Program Expenses			
Expense Category	Total Project (A)	CDBG Funds (B)	CDBG % of Total (B/A)
Architecture & Engineering	\$200,000		
Hard Construction Costs	\$2,345,000	\$360,000	15
Contingency (10%)	\$230,000		
Bid Advertisement	\$1,000		
Inspection & Contract Administration	\$224,000		
<i>Other</i>			
Total FY21 Program Expenses	\$3,000,000	\$360,000	12

FY21 Street Resurfacing Program Funding Sources			
Source	Requested	Committed	Total
Department Funds			
FY20-21 CDBG Carry Forward (<i>Est</i>)			
Other (Non-CDBG) Federal NOACA	\$1,308,786	\$1,308,786	\$1,308,786
Government (Lakewood & ODOT)	\$1,306,214	\$1,306,214	\$1,306,214
<i>Other Cleveland Metroparks</i>	\$25,000	\$25,000	\$25,000
FY21 CDBG Request	\$360,000		\$360,000
Total Project Costs	\$3,000,000	\$2,640,000	\$3,000,000

10. FY21 Street Resurfacing Program Budget Narrative

Describe how CDBG funds will be utilized to support the proposed program.

CDBG funds will be used to enhance the neighborhood by improving the multi modes of transportation in the project area as well as safety aspects.

Describe how the proposed program would function if it does not receive full amount of requested funding.

The project needs CDBG funds to move forward and support the community vision. The project would either be eliminated/reduced or other debt obligation via bonds would be required.

Describe the department's efforts to develop/leverage other sources of funding to support the proposed program.

LDEC has funding partnerships with NOACA, ODOT, and Cleveland Metroparks. ODOT and NOACA have committed the maximum permissible amounts of funds for this project and the City of Lakewood have agreements in place for the funds.

B. FY21 WATER MAIN REPLACEMENT PROJECT

1. Goals & Objectives

Replace 6" diameter 101 year old cast iron watermain, 4" hydrants and lead service lines that have outlived their useful life. The new 8" diameter cement lined ductile iron watermain, 6" break away fire hydrants and copper service lines will provide clean drinking water and improve fire flow to current standards.

2. Provide the following information for each proposed FY21 CDBG water main project.

- Street Name – Elbur Avenue
- Limits – Lakewood Heights Blvd to Athens Ave
- Census Tract/ Block Group – 161500/4
- Length/Width – 1,265'/26'
- Age – 101 years
- Total Project Cost - \$4,716,850
- CDBG Funding Request - \$100,000
- Service Area Structures - 60

3. Project Selection & Prioritization Criteria

City of Lakewood Water and Wastewater Collection, Fire Department and Engineering evaluate the age and performance of the watermain and sewer infrastructure, fire flow rates, break rates, and any planned sewer enhancements.

4. Implementation Schedule

2021 Watermain Improvements Schedule	
Milestone	Completion Deadline
Design Kickoff Meeting	Completed - April 2020
50% Plan Review	Completed - September 2020
90% Plan Review	October 2020
Plans, Specifications, & Estimate Package	January 2021
Bidding	February 2021
Award	March 2021
Construction	April 2021
Construction Completion	November 2021

5. Resident Engagement & Outreach Strategies

LDEC displays a current map of all Lakewood city projects at the City Hall post board and on the City's website. Additionally, prior to construction residents within the project limits are mailed a notice of the construction activity to take place and how it will impact their daily routines. A schedule and contact information for the construction team is provided for resident questions. LDEC responds to resident inquiries in a timely manner.

6. Staffing

Title	Brief Summary of Responsibilities
City Engineer	Project administrator, development of scope of work, design, final review and oversight
Consultant	Preparation of Plans and Specifications, Utility Coordination, and inspection
Administrative Assistant	Clerical, Filing, Record Retention, Invoice tracking

7. Will the proposed FY21 Water Main Replacement project:

Involve a 20%+ Change in Size or Capacity? Yes No

If yes, discuss additional environmental review requirements with the city's Development Officer.

Be Competitively Bid? Yes No

If yes, briefly describe the bid & contractor selection processes.

The projects will be advertised as required by Ohio Revised Code and federal funding requirements. The contractor with the lowest and best bid will be awarded the project.

8. Project Monitoring, Quality Control & Outcome Evaluation

LDEC oversees an engineering consultant who is responsible for full-time inspection during the watermain construction project. The consultant confirms that the Contractor installs the infrastructure in accordance with the project plans and specifications. Additionally, Lakewood's Water/Wastewater Collection performs water quality testing as well.

9. FY21 Water Main Replacement Program Budget

FY21 Water Main Replacement Program Expenses			
Expense Category	Total Project (A)	CDBG Funds (B)	CDBG % of Total (B/A)
Architecture & Engineering	\$225,000		
Hard Construction Costs	\$3,878,500	\$100,000	2.5
Contingency (10%)	\$387,850		
Bid Advertisement	\$500		
Inspection & Contract Administration	\$225,000		
<i>Other</i>			
Total FY21 Program Expenses	\$4,716,850	\$100,000	2

FY21 Water Main Replacement Program Funding Sources			
Source	Requested	Committed	Total
Department Funds			
FY20-FY21 CDBG Carry Forward Funds (<i>Est</i>)			
Other (Non-CDBG) Federal			
Government (Local, State)		\$3,000,000	\$3,000,000
<i>Other OPWC Grant & Loan</i>		\$1,616,850	\$1,616,850
FY21 CDBG Request	\$100,000		\$100,000
Total Project Costs			\$4,716,850

10. FY21 Street Resurfacing Program Budget Narrative

Describe how CDBG funds will be utilized to support the proposed program.

The Elbur Avenue 6” diameter cast iron watermain was constructed in 1919 and has fire flows of 400 gallons per minute. A fire flow rate of 1,000 gallons per minute is the acceptable fire flow rate which Idlewood’s currently is considered deficient. Additionally, the waterline service connections to the properties consist of lead material which will be replaced with copper to minimize health risks to the residents. The requested funds will offset the City’s general fund and bonds required to meet the obligation.

Describe how the proposed program would function if it does not receive full amount of requested funding.

Utilization of CDBG funds for this eligible roadway is well warranted. Upon completion of the project, the fire flow rates, removal of lead connections, and pavement condition will be greatly improved such that a better quality of life will be recognized in the neighborhood. The project would either be eliminated/reduced or other debt obligation via bonds would be required.

Describe the department’s efforts to develop/leverage other sources of funding to support the proposed program.

The use of CDBG funds in combination with City funds for Ohio Public Works Commission (OPWC) grant/loan request boost our scores and likelihood of receiving grant funds. This project has a grant and loan awarded by OPWC.