

## County of Lancaster Request for ARPA Funding

**Organization** City of Lancaster, PA **Date** 8/31/2022

**Submitted By** Jenn Orantes, Fund Development Specialist **Authorized Signature** *Jenn Orantes*

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**Please attach any supporting documentation for consideration. Submission should be in PDF Format.**

<p><b>Project/Item Description</b></p>	<p>The proposed project along the Water Street corridor is a stormwater separation and daylighting project that will achieve significant stormwater, combined sewer overflow (CSO), flooding, and environmental benefits for Lancaster County. The project is estimated to remove nearly 30 acres of impervious area runoff from the City's combined sewer system, reducing annual combined flows by over 27 million gallons, reducing CSOs by 14 million gallons per year, and reducing flooding by 2 million gallons in the 25-year storm.</p> <p>This critical infrastructure project involves approximately 9,100 LF of new stormwater and groundwater conveyance (pipes and open channel) and is a preferred alternative for CSO control as part of the City of Lancaster's federal consent decree and the City of Lancaster's Green Infrastructure Plan. The project will also have direct and indirect benefits due to the incorporated bicycle-pedestrian trail, which will encourage alternate modes of transportation and healthier lifestyles. Educational opportunities will also encourage community awareness around stormwater, CSOs, and other environmental issues.</p>
<p><b>Clearly state the amount being requested. What is the total cost? How was the cost derived?</b></p>	<p>The combined cost of phases one and two, which make up the entirety of the Water Street Stormwater Separation project, is estimated at \$7,700,000. We are pursuing County ARPA for Phase 1 of the project for a total request of \$2.95 million. This funding will cover the construction costs of \$2,950,000 for Phase 1. The project costs were estimated based on concept level designs provided by the City consultant.</p> <p>Below is the breakdown of total costs and requests:</p> <ul style="list-style-type: none"> <li>• \$500,000 - Engineering for Phase 1, covered by City funds.</li> <li>• \$3,700,000 - Construction cost for Phase 1             <ul style="list-style-type: none"> <li>○ \$250,000 has been pledged by the City</li> <li>○ \$500,000 has been earmarked by the Federal Congressional Appropriations</li> <li>○ Remaining \$2,950,000 requested</li> </ul> </li> </ul> <p>Once we have completed Phase 1, we will seek funding for the remaining \$3.5 million to complete Phase 2.</p>
<p><b>Which County ARPA Community-wide Benefit(s) does the project meet?</b></p>	<p>Our submitted proposal addresses the infrastructure objective.</p>
<p><b>Briefly explain how the project meets the County's guidelines.</b></p>	<p>The proposed stormwater separation project directly meets the eligible infrastructure objective. Specifically, water and sewer, as we would be addressing an inefficient combined sewer system that would benefit the quality of water released back into the Conestoga River.</p>
<p><b>Why should this project be a priority and how will it help the County? Also, if this application is for more than one project, please identify each one, provide information and rank them in order of your priority.</b></p>	<p>The Water Street stormwater separation and daylighting project will achieve significant stormwater, combined sewer overflow (CSO), flooding, and environmental benefits for the City and County of Lancaster. With the project ending at a border between the city and Lancaster Township, we have identified multiple ways in which the surrounding community--60% of which live below the poverty line--the broader city and county will benefit.</p> <p>The flood reduction benefits will improve a known problem area at Fairview Avenue and New Danville Pike and improve the operability of the City's Engleside CSO screening facility. The resultant 14 million gallons of CSO reduction will reduce pollutants significantly (including harmful bacteria, oxygen demand, nitrogen, phosphorus, and total suspended solids), improving the water quality and enhancing recreational opportunities in the Conestoga River, including at the D.F. Buchmiller County Park just downstream of the existing CSO outfall.</p> <p>These benefits, for the county and beyond, will carry 16 miles down the Conestoga River as it winds past numerous other parks and outdoor attractions (e.g., Windolph Landing Park, Circle M Camping Resort, Crossgates Golf Club, the Boys &amp; Girls Club's Camp Hogan, Conestoga River Park, Safe Harbor Park, and multiple boat launches) and then into the Susquehanna River and the Chesapeake Bay, contributing to Bay restoration initiatives.</p> <p>In conjunction with this separation project, we will create a bicycle-pedestrian trail (funded separately), providing safer connectivity alternatives and educational opportunities for pedestrians regarding stormwater and CSOs. The bike-walking path will also allow the public to experience Lancaster's "lost river". Last exposed in the late 1800s, it was buried and placed within the combined sewer system. With the daylighting portion of the project, we will reintroduce the community to the stream that gave Water Street its name.</p>

<p><b>Will this project require ongoing expense (maintenance, updates) or frequent replacement? Are expenses already being incurred, if so, can they be reduced through this project?</b></p>	<p>This project will separate the stormwater from the sanitary sewer, thereby reducing the volume of wastewater treated at the plants, which in turn will reduce treatment and maintenance costs of the plants and the screening facilities. As with all infrastructure projects, the City intends to include this project in its operations and maintenance plans. Foreseeable expenses will be related to cleaning and repairs to the stormwater and sewer lines. We currently have not incurred construction charges for Phases 1 or 2.</p>
<p><b>Project Timeline – start to finish, and when funding will be needed.</b></p>	<ul style="list-style-type: none"> <li>• Preliminary and Final Design – October 2022 to October 2023 <ul style="list-style-type: none"> <li>○ \$500,000 in engineering costs will be incurred by the City throughout the preliminary and final design process</li> </ul> </li> <li>• Advertisement, Bidding, Contract award – November 2023 to March 2024</li> <li>• Construction – April 2024 to August 2025 <ul style="list-style-type: none"> <li>○ The \$2.95 million will be needed as we start construction in April 2024</li> </ul> </li> </ul>
<p><b>Are other organizations part of this project? If yes, please list them and their role, including funding. If not, explain why.</b></p>	<p>We were approved for \$500,000 from the Congressional Discretionary spending community projects appropriation through the EPA's Water and Wastewater Infrastructure sub-committee. We anticipate the disbursement of those funds after September 30, with the start of the new federal budget. The funding will go towards construction and supplementing Phase 1.</p>
<p><b>ARPA Committee Comments</b></p>	
<p><b>ARPA Committee Recommendation</b></p>	
<p><b>Funding Amount Recommended</b> (if recommended for approval)</p>	<p>\$</p>