



TA Set-Aside Application

## Williamson Road Pedestrian Safety

Project Status: Screened In

Organization: Roanoke City

Project ID: 8059

### General

#### Project Sponsor

**Organization**

City of Roanoke - Transportation Division

**Point of Contact**

Dwayne D'Ardenne

**Title**

Transportation Manager

**Address**

1802 Courtland Rd

**City**

Roanoke

**ZIP Code**

24012

**ZIP+4**

0000

**Email**

dwayne.D'ardenne@roanokeva.gov

**Phone**

(540) 853-1756

#### Responsible Person

**Name**

James Knuckles

**Title**

Civil Engineer II

**Address**

215 Church Ave

**City**

Roanoke

**ZIP Code**

24011

**ZIP+4**

0000

**Email**

james.knuckles@roanokeva.gov

**Phone**

(540) 853-5208

## Project Information

### **Sponsor DUNS Number**

006704316

**Is this an existing project – has the Applicant received prior TA funds for a project having the same termini as identified on this application?**

No

**Do you want to administer this project if funding is awarded?**

Yes

### **Project Title**

Williamson Road Pedestrian Safety

**Provide a description of the project and a clearly defined scope of the improvements to be made utilizing Transportation Alternatives funds. Should additional space be needed, please use the Upload Supporting Documents feature. Label the document “Project Description”.**

Williamson Rd between Hawthorne Rd and Woodbury St is a four-lane road with grass shoulders. Due to the lack of adequate infrastructure, safe passage is difficult for pedestrians attempting to commute along this block of Williamson Rd. The Williamson Road Pedestrian Safety Improvements Project will provide sidewalk and ADA curb ramps along the west side of the block where none currently exist. The proposed sidewalk connects pedestrians with the existing sidewalk located to the south. In conjunction with the new sidewalk, driveways will be updated to meet ADA cross-slope requirements. Finally, due to Woodbury St's large curb radius and wide crossing, a refuge island is planned to allow safer pedestrian crossing.

### **Project Short Description**

The Williamson Rd pedestrian improvement project seeks to add a sidewalk where none currently exists. This sidewalk project includes ADA curb ramps at intersections and driveway crossings.

**Select primary category of eligibility even if other categories may apply.**

Improvement or system that will provide safe routes for non-drivers

**What is the project's primary relationship to transportation? Select the best option from the list provided.**

Connections to daily needs: shopping, school, library, post office, etc.

**Describe the specific purpose and need for the proposed improvements. Explain how the project will improve the existing transportation network.**

In February 2021, a pedestrian using a mobility device was struck and killed by a motor vehicle. The incident occurred within the project scope area along the outside lane of Williamson Rd. The lack of sidewalk, distracted driving, and roadway lighting contributed to the incident. Transportation staff worked with Appalachian Power to install higher luminous lighting shortly after the incident. The addition of sidewalk and ADA ramps would provide a clear and safe access route for future pedestrian traffic.

**Provide the name and title of the current employee within your organization that has successfully completed VDOT's Locally Administered Qualifications program?**

James Knuckles

 Location

Location Details

**According to the 2010 Census, is the population of your locality less than 5,000?**

No

**Is the proposed project located within a designated historic or business district?**

No

**Is this project located within a Transportation Management Area (TMA)?**

Yes

**Start Location**

Hawthorne Dr

**End Location**

Woodbury St

**Project ZIP Code**      **ZIP+4**

24012                  000  
0

**Select the project's location from the list provided.**

Roanoke City

**Is this project part of a multi-phased or larger project that crosses multiple jurisdictions?**

No

**Could this be considered a regionally significant project?**

No

**Districts Served**

- Salem

**Jurisdictions Served**

- Roanoke City

**MPOs Served**

- Roanoke Valley  
Transportation  
Planning  
Organization

**PDCs Served**

- Roanoke Valley-  
Alleghany  
Regional  
Commission

 Delivery/Funding

Phase Estimate and Schedule

**Phase Milestone**

**Status**

PE (Survey, Environmental, Design)

Underway

**Base Cost Estimate**

**Start Date**

**Phase Estimate + Contingency**

\$0.00

2021-09-01

\$0.00

**Phase Milestone**

**Status**

RW (Right of Way and Easement Acquisition, Utility Relocation)

Not Started

**Base Cost Estimate**

**Start Date**

\$488.00

2025-08-19

**Phase Estimate + Contingency**

\$582.00

**Phase Milestone**

**Status**

CN (Construction, Oversight, Contingencies)

Not Started

**Base Cost Estimate**

**Risks/Contingency/Unknowns**

**Start Date**

**End Date**

\$278,045.00

40.00 %

2026-10-03

2027-10-03

**CEI**

20.00 %

**Phase Estimate + Contingency**

\$574,418.00

**Total Cost Estimate**

\$575,000.00

## Project Financing Details

**Tentative TA Funding Request**

\$460,000.00

**Local Match Requirement**

\$115,000.00

**Other Project Funds (Non-TA Funds) - Include local funds, other grants and donations**

\$0.00

**Total Project Cost**

\$575,000.00

**Federal TA Funds - This Application (FY2023-FY2024)**

\$460,000.00

**Local 20% Match - This Application (FY2023-FY2024)**

\$115,000.00

**Federal TA Funds - Prior TA Funding Received**

\$0.00

**Local 20% Match - Prior TA Funding Received**

\$0.00

**Do you plan to use third-party donations other than cash, to meet all or part of the 20% local match requirement?**

No

**Identify the funding source(s) for any project funding above the required 20% Local Match amount; this amount should be shown as "Other Project Funds".**

City of Roanoke sidewalk capital account

 Concept

Project Concept

**The use of federal transportation funds requires compliance with the Americans with Disabilities Act (ADA), describe how the project will meet these design requirements.**

ADA compliance is achieved through detailed survey work and plan design for sidewalk cross-slope, curb ramp transition, and curb ramp landing area. The project includes curb ramps at the convergence of the sidewalk with streets and driveway crossings.

**Describe any anticipated challenges to meeting ADA design requirements including slope / terrain, width/clearance limitations, historic features, etc.**

Due to street grade along Hawthorne Rd and Maitland Ave, we anticipate some additional design work is required to ensure the landing areas for the ADA curb ramps match the 2% cross-slope requirement.

Project Features

 Improves Transportation Network

Project Improves Transportation Network

**Does this project improve access and / or service to an underserved community?**

No

**Does this project include improvements to multi-modal transportation options including connections to metro stations, train stations, bus stops, etc.?**

Yes

**Supporting Information**

The Williamson Rd Sidewalk project includes a

**Does the project provide bicycle/pedestrian facilities where none previously existed?**

sidewalk that connects to metro stops located on Airport Rd and Hershberger Rd. Metro stops are within .25 miles of the proposed sidewalk.

**Does this project increase opportunities to meet daily needs without motorized transportation?**

Yes

**Does this project add features/devices that will improve bicycle and pedestrian safety (ex. crosswalks, bike/ped signals, lighting, physical barriers to separate facilities, etc.)?**

Yes

**Supporting Information**

A splitter island is included at the intersection of Woodbury St and Williamson Rd. The island narrows Woodbury forcing slower entry speeds for vehicles. In addition, the splitter island serves as a refuge island for pedestrians crossing Woodbury St. High visibility crosswalks at the Woodbury St crossing are included with this project.

Yes

**Why was this location chosen?**

This location was selected due to its lack of sidewalk, forcing pedestrians to travel either in the grass or in a vehicle travel lane.

**Supporting Information**

Many area residents travel as pedestrians to access surrounding businesses for shopping or mass transit routing. Including the sidewalk where none currently exists provides a safer route for these pedestrians.

**Supporting Information**

ADA compliant crosswalks are included to cross moderate to high traffic driveways and Hawthorne Rd, Woodbury St, and Maitland Ave.

**Does this project incorporate traffic calming design elements such as bump outs, raised intersections, street trees or crosswalks in a contrasting color?**

Yes

**Is this project specifically identified / named in the local and / or regional transportation plan?**

Yes

**Provide name of the plan and date completed.**

This project was recently included in the RVTPO transportation plan list.

**▶▶ Project's Readiness To Proceed**

**Project's Readiness to Proceed**

**Design / engineering will be performed:**

Utilizing an outside consultant firm already procured for use on this project

**These funds will not participate in the costs of master plans, feasibility and/or preliminary engineering studies. Has this work been completed using other funding source(s)?**

Yes

**Identify specific preliminary work / activities completed to date.**

Design plans and cost estimating are 50% completed. Finalization of design will commence once the award is provided for the project.

**Has design work started?**

Yes

**Design has been started, and \_\_\_\_\_ plans have been completed.**

50%

**This program will not participate in the cost of relocating overhead utilities for scenic beautification or betterment purposes. It will however participate in the costs required to eliminate conflicts. Are there existing overhead utilities located within the proposed project that will need to be relocated in order to meet ADA width/clearance requirements?**

No

**Has the proposed project been discussed with VDOT staff?**

Yes

**Who within the VDOT organization have you coordinated with? Select all that are applicable.**

- Residency Staff

**Which of the following topics were discussed with VDOT staff? Select all that are applicable.**

- Cost
- Right of Way

**Has a preliminary site visit been conducted?**

Yes

**Identify the attendees present:**

Hong Liu, Andrea Garland, Ian Coffey

**Describe the observations made:**

Attendees inspected street lighting, road geometry/elevation, sight distance, and general infrastructure inspections.

**Explain the possible challenges identified:**

Some possible challenges include utility pole relocation on Hawthorne, stormwater mitigation along Williamson Rd, and access management for driveways.

**The following are design elements / areas that may require additional investigation:**

Access management will need to be addressed with businesses if driveway widths are to be reduced. If width reduction is unsuccessful, a contingency includes addressing cross-slope by improving driveway entrances with asphalt and providing ADA ramps for the sidewalk at each applicable driveway.

**Have the anticipated right-of-way needs for the project been evaluated?**

Yes

**Who performed the evaluation (name, title, and organization)?**

Hong Liu, City Traffic Engineer and Ian Coffey, Traffic Engineer, City of Roanoke Howard Boggess, Engineer, Lumdsen Assoc.

**Knowledge of the current right-of-way situation is critical to the project's cost estimate and schedule. Select the most accurate assessment of the current right of way status.**

All right of way required is publicly owned (local and/or state)

 Sponsor Certification

Public Information / Participation Meeting Held

**Advertisement or other evidence attached**

Yes

MPO Endorsement (if applicable)

**Endorsement Attached**

Yes

Resolution from Project Sponsor

**Resolution Attached**

Yes

Sponsor Certifies

**The Responsible Person is familiar with Transportation Alternatives eligibility criteria and the Locally Administered Projects (LAP) Manual.**

Yes

**The Responsible Person will provide technical guidance and oversight to staff and/or consultants throughout project development.**

Yes

**Budget accurately reflects cost of proposed project based on preliminary work performed.**

Yes

**Project development will comply with all state and federal regulations, including ADA requirements.**

Yes

**It is understood that this project must be under construction, or at a point of contract award, within four (4) years of the initial federal funding allocation.**

Yes

**We will be responsible for ensuring future maintenance and operating costs of the completed project.**

Yes

**It is understood that the sponsor must have in its employ, a full-time staff member who has successfully completed the LAP qualifications program in order to administer a TA project.**

Yes

Sponsor Certification

**By selecting agree I certify that the above statements are true and correct to the best of my knowledge.**



Yes

**Sponsor Name**

Dwayne D'Ardenne

**Date**

2021-09-21

 Attachments

## Projects Located in TMA

**Describe how the project is consistent with the MPO's current long range transportation plan (LRTP).**

As found in the RVTPO Vision 2040 long-range transportation, the Williamson Rd sidewalk project is an investment into the region's transportation infrastructure providing safer and more convenient modes of travel for pedestrians.

**Describe how the project fits within local adopted master plans and specific goals of local and/or state government agencies and other organizations. Describe how the project originates from planning work conducted in the jurisdiction. Note if the project is included in any planning documents and how it supports the local land use plan.**

The inclusion of a sidewalk where none currently exist on Williamson Rd directly aligns with the City's Complete Streets policy. There are several methods the City utilizes to implement infrastructure for pedestrians associated with the Complete Street policy. First, new sidewalk is established through the development of a parcel by a developer as defined by City Code. Another method of establishing new sidewalk is through CIP projects. In the case of the proposed Williamson Rd sidewalk project, no new development or CIP improvement projects are expected as a means to meet the public need. Therefore, after identifying a need for improving sidewalk infrastructure at this location due to a pedestrian fatality

**Describe how the project makes the region's transportation facilities safer and less intimidating for pedestrians, bicyclists, and other non-drivers.**

With the inclusion of a sidewalk where none currently exists, pedestrians benefit from an access route that provides separation from vehicular traffic, leading to a safer, more predictable, and therefore less intimidating environment.

**Describe how this project enhances transportation facilities for those with special needs, pursuant to Americans with Disabilities Act (ADA) requirements.**

ADA compliance for the project is achieved by ensuring that sidewalk cross-slope does not exceed 2% grades. In addition, the project intends to place at street and driveway crossing a detectable plate curb ramp with transition space not to exceed 8% grades. Where applicable, landings that provide a five-foot by five-foot turning area will be included. These landings will also have grades no greater than 2%. The appropriate design of these ADA-compliant ramps is underway based on detailed surveys performed for the project.

**Describe all public participation activities to date on the proposed project and what has been done to obtain public and community support. Please also describe any project coordination with other jurisdictions or agencies.**

The Transportation Division has received a letter of support from the Williamson Road Area Business Association (WRABA). In April 2021, WRABA presented a budget plan for beautification and infrastructure upgrades to the Williamson Rd corridor. Both the City of Roanoke Council and Williamson Rd businesses

support the WRABA plan. The proposed sidewalk plan directly aligns with the above WRABA initiatives.

Safe Routes to School

Detailed Cost Estimate (Project Budget)

Status of Existing Projects

Request for VDOT Administration

### Supporting Documents

Attachment Type	Description	File Name
Local Comprehensive Plan	City-Plan-2040-Adopted-12.21.20.pdf	City-Plan-2040-Adopted-12.21.20.pdf
Crash Report	Police Report.pdf	Police Report (1).pdf
Request to Administer	RTA.doc	RTA.doc
Other	8059 Pre-App Screening Comments.xlsx	8059 Pre-App Screening Comments.xlsx
Request to Administer	8059 Salem District Approved RTA.pdf	8059 Salem District Approved RTA.pdf
Project Delivery Schedule	Williamson Rd Project Schedule.pdf	Williamson Rd Project Schedule (1).pdf
Letter of Support	GWRABA Support Letter VDOT TA grant - sidewalks Wmson Road 2021.pdf	GWRABA Support Letter VDOT TA grant - sidewalks Wmson Road 2021.pdf
MPO Endorsement	FY23-24 RVTPO TA Project	FY23-24 RVTPO TA Project

**Attachment Type****Description****File Name**

<b>Attachment Type</b>	<b>Description</b>	<b>File Name</b>
	Endorsements Resolution- -092321.pdf	Endorsements Resolution- -092321.pdf
Project Sketch	Williamson Rd Street Improvement Site Plan 09.28.2021.pdf	21279 Williamson Rd Street Improvement Site Plan 09.28.2021.pdf
Detailed Cost Estimate	21279 LAPC - VDOT Estimate_Workbook 09.28.2021.xlsm	21279 LAPC - VDOT Estimate_Workbook 09.28.2021.xlsm
Resolution of Support	Resolution 42160-092021.pdf	Resolution 42160-092021.pdf



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