



PARKS AND RECREATION
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September 26, 2014

Mr. Mark McCaskill
Director of MPO Programs
Roanoke Valley-Alleghany Regional Commission

Re: RSTP Grant Submittal

Dear Mr. McCaskill,

Please accept the enclosed joint RSTP Tinker Creek Greenway Planning application from Roanoke County, Botetourt County, and the City of Roanoke.

The Tinker Creek Greenway Connectivity Study is a multijurisdictional effort to regionally connect established greenway trails segments through the City and into both Roanoke and Botetourt Counties such that we expand the scope of the Tinker Creek Greenway north into the Carvin's Cove Natural Reserve and north-east to the Daleville Greenway in Botetourt County.

Our packet of information includes the application, resolutions from all three localities, a letter of support from the Regional Greenway Commission, plus a digital version of the 2000 Tinker Creek Conceptual Study created by Virginia Tech.

On behalf of all three jurisdictions, we are extremely grateful that you and your committee will provide your fullest attention to our application for funding.

Best Regards,


Megan G. Cronise, Roanoke County


Pete Peters, Botetourt County


Donnie Underwood, City of Roanoke

RSTP Project Profile – Candidate Project #

1. **Project Sponsor(s):** City of Roanoke, Roanoke County, and Botetourt County
2. **Proposed Implementing Agencies:** City of Roanoke, Roanoke County, and Botetourt County
3. **Project Description and Attached Aerial Showing Proposed Improvement Location:**

The Tinker Creek Greenway Connectivity Study is a multijurisdictional effort to connect the established greenway segments in Roanoke City and Roanoke County/Botetourt County and to expand the scope of the greenway east into Botetourt County. The attached map shows the existing and proposed portions of the Tinker Creek Greenway.

4. **Detailed Scope of Work, proposed Schedule and Relation to Other Projects or Project Phases, Project Status, and Other Funding Sources: (attach document if extra space is needed – please refer to overall application limit noted above)**

The Tinker Creek Greenway alignment is designated as a Priority Two Greenway in the 2007 Update to the Roanoke Valley Conceptual Greenway Plan. The Tinker Creek Greenway Conceptual Master Plan completed in 2000 by the Roanoke Valley Greenway Commission and Virginia Tech Landscape Architecture students in cooperation with the City of Roanoke, Town of Vinton and Roanoke County identified possible routes for the greenway between Fallon Park in Roanoke City and Carvins Cove Natural Reserve in Roanoke County and Botetourt County, heading north along Tinker Creek and Carvins Creek. The Connectivity Study aims to reconsider those routes and others, while also heading east along Tinker Creek into Botetourt County.

Detailed Scope of Work, Relation to Other Projects or Project Phases and Project Status

The study shall be divided into two parts:

Part A, Preliminary Engineering from Wise Ave to Roanoke County- Roanoke City currently has 1.5 miles of the Tinker Creek Greenway constructed, from the confluence of Tinker Creek with the Roanoke River north to Wise Avenue. The remaining work in the City includes the planning and preliminary engineering necessary to determine the best route to connect the greenway north from Wise Avenue to the intersection of Plantation and Hollins Roads in Roanoke County. Preliminary engineering for location of the greenway shall include, but not be limited to stakeholder and community input, right of way analysis, field work for existing conditions, GIS and ground survey, flood-plain analysis, geotechnical analysis, existing infrastructure suitability, viewshed identification, connection nodes, cost estimating, and historic/environmental/cultural resources identification. The results of this work shall provide the City with a preliminary engineering design illustrating the specific alignment of the greenway such that construction design and right of way acquisition can follow with additional funding.

Part B, Roanoke County and Botetourt County Phase I Planning Analysis – The northernmost segment of the Tinker Creek Greenway is located in both Roanoke and Botetourt Counties. The natural surface greenway begins in Roanoke County on Hollins University property at the Hollins Trailhead located just north of Interstate 81 on Plantation Road. The greenway continues north for 2.5 miles into Botetourt

County terminating at the boat dock at Carvins Cove Natural Reserve. Once at Carvins Cove, greenway users can access over 40 miles of trails surrounding the Western Virginia Water Authority reservoir. Hollins University has agreed to allow a southern expansion of the natural surface greenway on Hollins property from the Hollins Trailhead under Interstate 81 to an existing bridge over Carvins Creek for a distance of about 4/10 mile. This bridge is proposed to be replaced for bicycle and pedestrian use with the Friendship Lane/Carvins Creek Bridge Replacement FY14-15 RSTP application. The new bridge will connect the greenway to the planned Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project, the subject of other FY14-15 RSTP applications, which will provide pedestrian and bicycle connections from the Carvins Creek bridge to the intersection of Williamson Road (Route 11) and Plantation Road. Pedestrian signals were installed at all four legs of this intersection in the summer of 2014. The Plantation Road project will provide bicycle and pedestrian amenities for the highest concentration of employees in Roanoke County (4,000), guests at 400 hotel rooms, Walrond Park users, Hollins residents as well as Hollins University students, faculty and staff.

Planning-level analyses will be needed to determine the greenway route from the existing trail to the proposed Roanoke City greenway terminus at the intersection of Plantation Road and Hollins Road where Tinker Creek and Carvins Creek split. Roanoke County and Botetourt County also desire to expand the greenway to the east along Tinker Creek into Botetourt County. Notable locations in the Tinker Creek and Carvins Creek areas of Roanoke County include Mountain View Elementary School, the Community School, the Roanoke County Fleet Service Center, Fire Station Number One, Hollins Park, Sadler Park, Brookside Park, a future park at the Village at Tinker Creek subdivision, Friendship Retirement Community, industrial businesses such as Ardagh and Valcom, commercial businesses along Williamson Road and at the intersection of Plantation Road and Hollins Road.

The primary goal of the study within Botetourt County is to create a connection to Lord Botetourt High School in Daleville. From that point, the proposed Daleville Greenway will connect Lord Botetourt High School, the Daleville Town Center, and the Glebe Retirement Community to existing amenities within the Botetourt Center at Greenfield. Those amenities include the Greenfield Education and Training Center, Greenfield Elementary School, Botetourt Sports Complex, and the Greenfield Recreation Park which includes seven miles of existing improved and natural surface trails, athletic fields, and a disc golf course. This portion of the work shall include, but not be limited to; studies in the areas of GIS based topographical analysis, right of way, flood-plain analysis, historical/environmental/cultural resources, schools, parks, and centers of retail and/or economic importance.

Proposed Schedule: Grant Award April 2015; Procure Professional Services May-July 2015; August – September 2015 Contracting Professional Services; October 2015 Contract Award; November – April 2016 Planning Phase; June 2016 Final Reports and Plans Due.

Other Funding Sources: None

Items 5-9 Pertain to Highway Projects:

5. **Functional Classification:**
6. **Existing Traffic Volume and Level of Service with Improvement:**
7. **Existing Volume/Capacity:**
8. **Future Traffic Volume or Projected Ridership with Service Implementation:**

9. Future Volume/Capacity and Level of Service:

10. Estimated Project Cost by Phase (Preliminary Engineering, Right-of-Way (including utilities) and Construction (including administration): (attach a detailed cost estimate and/or budget to support your application)

Part A Roanoke City Preliminary Engineering & Planning:	\$300,000.00
Part B Roanoke and Botetourt Counties Phase I Planning Analysis:	\$100,000.00

* See Exhibit A for budgetary breakdowns

11. RSTP Candidate Project Rating Factors

A. Regional Project Consideration (30 points):

This is a joint application, serving the localities of Botetourt County, Roanoke County, and the City of Roanoke. All localities herein have a vested interest in providing safe and attractive physical access for their citizens and visitors to the unique green infrastructure and natural resources that are captured within this project. Once developed, the Tinker Creek Greenway system will be located within a ten minute walk from over 14,000 Roanoke Valley residents. This project shall impact the region on many levels to include economic development, conservation of natural resources, improved natural habitat, enhanced public health through physical active transport, and tourism. Letters of support from each jurisdiction are included.

B. Support the Economic Vitality of the Metropolitan Area (10 points)

Greenway trails attract visitors who facilitate job growth in tourism-related businesses like restaurants, local stores, and lodging. These impacts can be seen with new businesses locating on the Roanoke River Greenway and increased marketing of this regional amenity to potential businesses. According to the *Rails to Trails Conservancy*, the cumulative greenway visitor expenditure data shows that destination trail users and visitors spend more than \$2 million annually in hard and soft goods (including lodging) at a destination trail. As validated by the Virginia Department of Conservation and Recreation, trail visitors typically spent \$119.85 per visitor per trip. Bicycle tourists, a growing, affluent segment of the tourist market, contribute significantly to local businesses that are well-connected to trails. For example, visitors to the Virginia Creeper Trail spend \$1.59 million annually providing an estimated 27 new full time jobs. According to a study conducted by the Roanoke Valley Alleghany Regional Commission for use in the IMPLAN model, every nonlocal visitor to the Roanoke Valley Greenways represented an economic impact of approximately \$102 per visit in lodging, dining, transportation, and trail usage expenditures. It is anticipated that the completion of the Tinker Creek Greenway will expand tourism and economic opportunities for neighboring businesses and for the greater Roanoke Valley.

C. Increase the Safety and Security of the Transportation System (10 points)

The Tinker Creek Greenway will increase the safety of those who use non-motorized modes of transportation by providing accommodations separate from motorized traffic and by increasing safety measures where the two modes occupy the same space. The new greenway segments shall be designed according to the AASHTO Guide for Development of Bicycle Facilities, 4th Edition, as well as the ADA Accessibility Guidelines for Outdoor Developed Areas. Wherever possible, crosswalks will be planned to assist users in safely crossing streets. Two sets of pedestrian signals with crosswalks are planned for the

Plantation Road project at the Plantation Road/Lila Drive intersection and the Plantation Road/Gander Way/Friendship Lane intersection. Pedestrian signals and crosswalks have recently been installed at the Plantation Road/Williamson Road intersection.

D. Increase the Accessibility and Mobility Options Available to People and/or Freight (10 points)

In order to promote inclusiveness and access for all ages and abilities, this plan shall use the following design criteria: the Access Board's ADA Accessibility Guidelines for Outdoor Developed Areas, and the FHWA's Designing Sidewalks and Trails for Access, the United States Forest Service's Trail Accessibility Guidelines, and guidelines and recommendations from the National Center on Accessibility at Indiana University. The greenway will be designed for walkers, runners, bicyclists, motorized and non-motorized wheelchair users and others.

E. Protect and Enhance the Environment, Promote Energy Conservation, and Improve Quality of Life (10 points)

Publically owned greenway corridors provide protection and conservation measures to our region's natural resources while the trail component of these greenways provides unobtrusive human access into the forest fragments, flood plains, and the rich tapestry of the regions natural resources. The establishment of new publically held greenway corridors of land amidst forests, creeks, rivers, and streams, provides exceptional opportunities to establish direct water quality improvements, flood reduction, ecosystem and habitat preservation for future generations to enjoy.

Providing new active transport systems reduces fossil-fueled emissions. Prioritizing active transport systems ensures personal mobility for all income levels such that a broader cross-section of the public can reduce their fossil-fueled vehicular trips. Working regionally to increase safe and attractive trail access will provide greater reductions of carbon dioxide emissions.

For every \$1.00 spent on multi-use trails, there is a \$2.94 direct medical benefit as identified by the Center for Disease Control (CDC). For activities such as walking and cycling, availability of close-to-home greenway trails, sidewalks and bicycle routes is an important element needed to incorporate physical activity into everyday life. The lack of accessible facilities has been identified as a deterrent to a physically active lifestyle; thus reducing one's quality of life. Research performed by Appalachian State University on the local greenway system found that our greenways positively affect the quality of life and livability of our community. The study determined that when a greenway is built within one mile of our residents, 72.4% of citizens meet the CDC's weekly physical activity recommendations; 42.8% of citizens use greenway trails multiple times weekly; 65.6% use our greenway trails for fitness and health and 63% use greenway trails for walking. In addition, 85.3% of residents stated that if given the opportunity they would move closer to a greenway trail.

F. Enhance the Integration and Connectivity of the Transportation System, Across and Between Modes, for People and/or Freight (10 points)

This project will connect multiple transportation systems using both current and newly developed infrastructure, including sidewalks, trails, public roadways, Valley Metro buses, bike lanes, "park and ride" locations, and other forms of public transit. The current transportation system within the proposed area has

limited accommodations for bicycle and pedestrian traffic. When complete, this project would enable residents of all three localities to safely travel using non-motorized methods to areas they may not have previously explored. For example, residents in downtown Roanoke could follow the Roanoke River Greenway to the Tinker Creek Greenway to Carvins Cove or travel a short distance further to access not only local, but national resources located in Botetourt County which include U.S. Bike Route 76 and the Appalachian Trail.

G. Promote Efficient System Management and Operation (10 points)

The study will examine and recommend designs that provide the most efficient use of materials, require the least amount of maintenance, and minimize negative environmental impacts. Potential methods will include using both road and bridge crossings and utilizing solar powered crossing activation systems where practical to provide for efficient and environmentally friendly crossing mechanisms for at-grade crossings. Part of the analysis will determine whether we can traverse under bridge decks or whether there is a need for bridge deck modifications to support bicycle and pedestrian transport.

H. Emphasize the Preservation of Existing Transportation System (10 Points)

This plan will examine existing transportation systems and evaluate each for its suitability to handle increased bicycle and pedestrian usage with the goal of providing a safer and more cohesive transportation system.

I. Cost/Benefit Consideration (10 points)

The plan will examine the most feasible elements of the greenway trail system, including life cycle cost. While much of the new greenway will be paved surfaces, some trails may be stone. Once the preferred routes have been established, the plan will categorize the different levels of trail types such as concrete, asphalt, stone, or natural.

J. Projects included in previous plans that had a public input process associated with the plan (10 points)

The Tinker Creek Greenway falls into several plans adopted by the local jurisdictions such as the Virginia Outdoors Plan, the 2007 Update to the Roanoke Valley Conceptual Greenway Plan, the City of Roanoke's Comprehensive Plan, the Roanoke City Parks and Recreation Master Plan, the Botetourt County Trails Plan, the Roanoke County Comprehensive Plan, the Hollins Area Plan, and the Roanoke County Parks & Recreation Master Plan.

EXHIBIT A: ESTIMATED BUDGETS

Part A: Roanoke City Preliminary Engineering & Planning

TASK	FEE ESTIMATE
Meet with Stakeholders to gather information about the site, previous community involvement results, any existing conceptual design solutions, history with adjacent properties and identify any known barriers. Obtain best available aerial photography and topographic information for initial discussions (Lidar, PDC, GIS, WVWA, AEP, Rk. Gas Co, Telecom).	\$15,000
Perform a Right-of-way Analysis and produce a graphic base mapping plan.	\$5,000
Visit the site with stakeholders to conduct fieldwork and analysis of the conditions. Potential locations for bridge crossings, underpasses, trail heads and access points will be identified and evaluated by means of a muddy boots tour with stakeholders.	\$15,000
Perform Geotechnical analysis.	\$25,000
Perform Flood Plain analysis.	\$15,000
Produce a Site Analysis Report consisting of a narrative and map indicating site discoveries, opportunities, and challenges.	\$15,000
Provide alternative concepts for the study area in graphic form. This task will begin with a meeting with stakeholders to discuss the Site Analysis Report as well as other ideas generated by the city staff. Each alternative will include a site map and other illustrative sections or perspectives to communicate the design intent. The concepts will be based on previous community and city staff input and reflect the observations within the site analysis report. Costs for alternatives will be provided in magnitude form for comparison purposes.	\$60,000

Conduct Public Meeting #1	\$5,000
Meet with Stakeholders to ratify one alternative concept as the preferred route based upon staff and public input. Accessory options including all non-linear elements (waysides, overlooks, trail connections) will be established and be prioritized.	\$10,000
Establish cost estimating for preferred route.	\$5,000
	\$10,000
Participate in City Council Presentation #1. Produce large format graphic representations for route, options, features, illustrative sections or perspectives.	
Respond to Council Comments, refine preferred concept and options, and update cost estimate.	\$10,000
Initiate ground survey for Boundary and Topographical Analysis to encompass approved route plus accessory options.	\$70,000
Assist City Real Estate with graphic representation for any necessary property acquisitions or easements. Establish probable land/easement valuations and update cost estimate.	\$5,000
Conduct Public Meeting #2	\$5,000
Final Deliverable: Concept Plans with illustrative sections or perspectives accompanied by report of findings and cost estimate.	\$20,000
Identify Critical Design Path and potential deal breakers to be resolved in next phase of design.	\$5,000
Assist in drafting RFP language for professional design services.	<u>\$5,000</u>
TOTAL:	\$300,000

Part B: Roanoke and Botetourt Counties Phase I Planning Analysis

TASK	FEE ESTIMATE
Review Conceptual Planning Information: Review available information provided by the Project Sponsors that may include planning documents, mapping, photo inventories, and digital files for the project area.	\$1,500
Base Map Preparation: Compile a base map that includes land ownership information, rights of way, historical, cultural and natural resource inventory, floodplain and floodway data, and physical attributes. The base map will be VGIN or GIS database.	\$5,000
Project Kickoff /Design Charrette Workshop: Facilitate a collaborative design charrette workshop to develop alternative greenway alignments. The purpose of the sessions will be to generate a series of greenway route alternatives. Evaluation criteria will be developed at this stage.	\$3,500
Development of Preliminary Greenway Alternatives: Incorporate the information gathered at the project kickoff/design charrette workshop with our initial ideas and concepts to begin development of the study. Develop preliminary alignment sketches and determining appropriate types pedestrian connectivity and connectivity of existing and proposed parks and community facilities. Project team to make a comparative analysis of each alternative.	\$7,500
Fatal Flaw (SWOT) Analysis and Alternatives Screening Workshop - \$10,000: Following development of the preliminary greenway alternatives, engineering firm shall conduct a Strength, Weaknesses, Opportunities and Threats analysis of the greenway alternatives. Each alternative shall be evaluated based on the criteria developed in the design charrette workshop. The purpose of this analysis is to identify solutions that are not feasible due to excessive environmental, economic, or political impacts. The result of this analysis shall be presented to the Project Team at an Alternative Screening Workshop. The results shall be documented in a technical study submitted to the Project Team for review and approval.	\$10,000
Analysis of “Shortlisted” Greenway Alternatives: Upon completion of the SWOT analysis, three (3) selected alternative greenway alignments shall be evaluated in greater detail based on design and performance criteria developed by the Project Team. This will be used to evaluate the various route alternatives developed for the project. In addition, critical property owners will be identified and discussions initiated by the Project Team to determine their position concerning the greenway crossing through their property. Assistance will be provided to the Counties as necessary. The criteria shall include, but not necessarily be limited to, information related to: a) Safety b) Constructability	\$10,000

- c) Costs
- d) Environmental Considerations
- e) Right-of-way impacts
- f) Maintenance of Traffic (MOT) during the construction plans
- g) Design/Landscaping Themes
- h) Potential for economic development

All design elements of the project such as horizontal alignments, typical sections, bridge structures, retaining walls, earthwork limits, and right-of-way impacts shall be depicted on the conceptual plans. Finally, an analysis of any other design issues along with preliminary recommendations for their resolution will be generated. A detailed summary of the alternatives analysis, including the Consultant's conclusions and recommendations, shall be developed and documented in a technical memorandum which shall be submitted to the Project Team for review and approval. This process will result in a single route that will be recommended for final design.

<p>Perform Site Investigation/Inventory: Perform a site investigation and inventory of the shortlisted alternative routes. Investigate other opportunities to connect to nearby communities and public facilities that may be feasible with sidewalks, bike lanes, shared use paths, and trail spurs. Includes the use of a hand held GPS to collect data such as stream crossings, areas of erosion or flooding, bridge locations, road crossings, and other areas of concern. Meet with the Project Sponsors to discuss any design issues and/or recommendations.</p>	<p>\$10,000</p>
<p>Preliminary Environmental Analysis and Documentation: Determine areas that will be included in the environmental documentation required by VDOT. Develop necessary calculations and sketches for the applications to be submitted to Department of Historic Resources (DHR), Virginia Marine Resource Commission (VMRC), Department of Conservation and Recreation (DCR) and the Department of Game and Inland Fisheries (DGIF) for initial comments and concerns.</p>	<p>\$7,500</p>
<p>Meet with Community Stakeholders/Special Interest Groups: Two representatives attend meetings, at the Project Sponsor's discretion, with representatives of the special interest groups (i.e., businesses, organizations, schools, etc.) including those that are actively involved and have been instrumental in developing the current recreation system network.</p>	<p>\$2,000</p>
<p>Hold Public Meetings: Prepare and attend two public meetings associated with this project to review the preferred greenway alignment. Our services are intended to be supported by the County's forces and resources.</p>	<p>\$10,000</p>
<p>Consolidate Stakeholder and Public Comments: Gather, consolidate, and summarize the public comments received. We will give the public an opportunity to submit the comment form electronically or via mail, before performing this task. Meet with Project Staff Representatives to Stakeholder and Public Input: Meet with the project staff to review the Citizen's Input and discuss the potential updates/revisions to be included in the Final Study.</p>	<p>\$2,500</p>

<p>Draft Phase 1 Conceptual Planning & Alignment Study: We will incorporate recommended changes from the design workshop, SWOT analysis, stakeholder meetings, and the public input meetings to prepare the final report document with preliminary cost estimates and recommend a final greenway alignment. The final document will include mapping of the existing segments and of the proposed segments, will describe the overall thematic concepts/ focal points, identify activity nodes along the corridor. We will include typical cross sections and photographs, where appropriate, and will include a recommended phasing schedule for implementing the study and opinions of probable construction costs associated with each phase. The final report is subject to review and approval by the Botetourt and Roanoke County Board of Supervisors.</p>	<p>\$15,000</p>
<p>Submission of Draft Phase 1 Conceptual Planning & Alignment Study: Compile and submit the final study to the Project Sponsors for review. Comments received from project sponsors will be incorporated into final document for public hearings and Board of Supervisors.</p>	<p>\$1,500</p>
<p>Assist with Presentations Project Sponsors Elected Officials: Attend two board meetings and present the final alignment study. We will prepare large displays if desirable and will discuss the process and recommendations of the master plan revision.</p>	<p>\$4,000</p>
<p>Finalize Phase 1 Conceptual Planning & Alignment Study: The final report will be revised and finalized based upon comments received by the Board of Supervisors and public hearings.</p>	<p>\$10,000</p>
<p>TOTAL:</p>	<p>\$100,000</p>



CITY COUNCIL AGENDA REPORT

To: Honorable Mayor and Members of City Council
Meeting: September 2, 2014
Subject: Authorization to Apply for a Regional Surface Transportation Program Grant (RSTP)

Background:

The Roanoke Valley Greenways Plan is an adopted component of the City's Comprehensive Plan, of which the Tinker Creek Greenway is an important regional connection. The Tinker Creek Greenway is a regional priority for the local jurisdictions of the City of Roanoke (City), Roanoke County, the Town of Vinton, and Botetourt County. Currently, approximately 1.5 miles of this greenway exists in the City, connecting with the Roanoke River Greenway near the Wastewater Treatment Plant and running northward adjacent to Tinker Creek to Wise Avenue, S.E..

For the City, the next phase of the process is to implement preliminary engineering along the planned corridor further north until it crosses into Roanoke County near the intersection of Hollins and Plantation Roads. Both Botetourt and Roanoke Counties are interested in implementing a concurrent planning study and analysis to provide them with routing options that will connect their parks, schools, centers of commerce and the City's Carvin's Cove Natural Reserve to the Tinker Creek Greenway.

The Town of Vinton's connection to the Tinker Creek Greenway would be at Dale Avenue, S.E. within the City corporate limits, and then proceed eastwardly into the Town. This connection would be dependent upon a separate RSTP grant application for engineering and construction funds.

Considerations:

In the spirit of regional cooperation, all jurisdictions agree that in order to obtain the necessary funding for all of the various planning and preliminary engineering activities necessary for the City, Roanoke County, and Botetourt County, the best course of action is to jointly pursue funding of \$400,000 available through the RSTP.

Recommended Action:

Adopt the accompanying Resolution in support of this regional planning effort for the Tinker Creek Greenway. Authorize the City Manager to apply for an RSTP grant in the amount of \$400,000.00 for the regional Tinker Creek Greenway Planning Study.



Christopher P. Morrill
City Manager

Distribution: Council Appointed Officers
 R. Brian Townsend, Assistant City Manager
 Steven C. Buschor, Director of Parks and Recreation

551
8/27/14

7.a.5.

IN THE COUNCIL OF THE CITY OF ROANOKE, VIRGINIA

A RESOLUTION requesting the Roanoke Valley Area Metropolitan Planning Organization to fund a Regional Surface Transportation Program Project for expansion and completion of the Tinker Creek Greenway in Roanoke; and authorizing the City Manager to execute the required applications and to take any other actions necessary to respond to any inquiries or provide supplemental information as may be necessary to apply for, implement and administer such grant.

WHEREAS, the City of Roanoke, Roanoke County, Botetourt County, the Town of Vinton and the Roanoke Valley Greenway Commission, desire to exhibit unanimous support for all Regional Surface Transportation Program (“RSTP”) applications involving the Tinker Creek Greenway submitted to the Roanoke Valley Area Metropolitan Planning Organization (“RVAMPO”) with the goal of expanding and completing the Tinker Creek Greenway in all four jurisdictions;

WHEREAS, the Tinker Creek Greenway alignment is designated as a Priority Two Greenway in the 2007 Update to the Roanoke Valley Conceptual Greenway Plan and is planned to connect the Roanoke River Greenway to Carvins Cove Natural Reserve;

WHEREAS, the Tinker Creek Greenway Conceptual Master Plan was developed by the Roanoke Valley Greenway Commission and Virginia Tech Landscape Architecture students in the Landscape Architecture Department, in cooperation with the City of Roanoke, Town of Vinton and Roanoke County in Spring, 2000, to identify potential routes for the Tinker Creek Greenway between Fallon Park and Carvins Cove Natural Reserve;

WHEREAS, the Tinker Creek Greenway has been completed between (1) the Roanoke River Greenway and Fallon Park in the City of Roanoke, and (2) Carvins Cove Natural Reserve and the trailhead parking lot north of Interstate 81 in Botetourt County and Roanoke County;

WHEREAS, Botetourt County has developed a Comprehensive Trail Plan to direct the expansion and enhancement of its trail inventory to include establishing trail connections to the Tinker Creek Greenway for the benefit of residents in southern Botetourt County, eastern Roanoke County and other trail users; and

WHEREAS, the focus of the RSTP applications is to expand and complete the Tinker Creek Greenway between Fallon Park in the City of Roanoke and the trailhead parking lot north of Interstate 81 in Roanoke County as well as into Botetourt County;

THEREFORE BE IT RESOLVED by the Council of the City of Roanoke as follows:

1. That City Council requests that the RVAMPO fund projects for the expansion and completion of the multijurisdictional Tinker Creek Greenway in the City of Roanoke, Roanoke County, Botetourt County and the Town of Vinton, as is more fully set forth in the City Council Agenda Report dated September 2, 2014;
2. The City Manager is hereby authorized to apply for and administer RSTP funding up to \$400,000 for the regional Tinker Creek Greenway Planning Study; and
3. The City Manager and the City Clerk are hereby authorized to execute and attest, respectively, for and on behalf of the City, any and all requisite documents pertaining to the City's application for the RSTP funding, such documents to be approved as to form by the City Attorney, and to take any other actions to respond to any inquiries or provide supplemental information as may be necessary to apply for, implement, and administer such grant.

ATTEST:

City Clerk



Botetourt County, Virginia

Board of Supervisors

1 West Main Street, No. 1
Fincastle, Virginia 24090
Phone (540) 473-8223
Fax (540) 473-8225

Board of Supervisors

Donald M. Scothorn
Chairman

L. W. Leffel, Jr.
Vice Chairman

Todd L. Dodson

Billy W. Martin, Sr.

John B. Williamson, III

The regular meeting of the Botetourt County Board of Supervisors was held on Tuesday, September 23, 2014, in Rooms 226-228 of the Greenfield Education and Training Center in Daleville, Virginia, beginning at 2:00 P. M.

PRESENT: Members: Dr. Donald M. Scothorn, Chairman
Mr. Billy W. Martin, Sr.
Mr. Todd L. Dodson
Mr. John B. Williamson, III

ABSENT: Members: Mr. L. W. Leffel, Jr., Vice-Chairman

On motion by Dr. Scothorn, seconded by Mr. Martin, and carried by the following recorded vote, the Board adopted the following resolution in support of the joint application between Roanoke City, Roanoke County, the Town of Vinton, and Botetourt County for Regional Surface Transportation Program (RSTP) Grant funds to conduct a trail routing option study.

AYES: Mr. Williamson, Mr. Dodson, Mr. Martin, Dr. Scothorn

NAYS: None

ABSENT: Mr. Leffel

ABSTAINING: None

Resolution Number 14-09-06

WHEREAS, the City of Roanoke, Roanoke County, Botetourt County, the Town of Vinton, and the Roanoke Valley Greenway Commission desire to exhibit unanimous support for all Regional Surface Transportation Program (RSTP) applications involving the Tinker Creek Greenway submitted to the Roanoke Valley Area Metropolitan Planning Organization (RVAMPO) with the goal of expanding and completing the Tinker Creek Greenway in all four jurisdictions; and,

WHEREAS, the Tinker Creek Greenway alignment is designated as a Priority Two Greenway in the 2007 Update to the Roanoke Valley Conceptual Greenway Plan and is planned to connect the Roanoke River Greenway to Carvins Cove Natural Reserve; and,

WHEREAS, the Tinker Creek Greenway Conceptual Master Plan was developed by the Roanoke Valley Greenway Commission and Virginia Tech Landscape Architecture students in the Landscape Architecture Department, in cooperation with the City of Roanoke, Town of Vinton and Roanoke County in Spring 2000 to identify potential routes for the Tinker Creek Greenway between Fallon Park and Carvins Cove Natural Reserve; and,

WHEREAS, the Tinker Creek Greenway has been completed between (1) the Roanoke River Greenway and Fallon Park in the City of Roanoke, and (2) Carvins Cove Natural Reserve and the trailhead parking lot north of Interstate 81 in Botetourt County and Roanoke County;

WHEREAS, Botetourt County has developed a Comprehensive Trail Plan to direct the expansion and enhancement of its trail inventory to include establishing trail connections to the Tinker Creek Greenway for the benefit of residents in southern Botetourt County, eastern Roanoke County and other trail users; and,

WHEREAS, the focus of the RSTP applications is to expand and complete the Tinker Creek Greenway between Fallon Park in the City of Roanoke and the trailhead parking lot north of Interstate 81 in Roanoke County as well as into Botetourt County;

NOW, THEREFORE, BE IT RESOLVED, that the Botetourt County Board of Supervisors requests the Roanoke Valley Area Metropolitan Planning Organization (RVAMPO) fund projects for the expansion and completion of the multijurisdictional Tinker Creek Greenway in the localities of the City of Roanoke, Roanoke County, Botetourt County and the Town of Vinton.

A Copy TESTE:


Mrs. Kathleen D. Guzi
Botetourt County Administrator

AT A REGULAR MEETING OF THE BOARD OF SUPERVISORS OF ROANOKE COUNTY HELD AT THE ROANOKE COUNTY ADMINISTRATION CENTER ON TUESDAY, SEPTEMBER 23, 2014

RESOLUTION 092314-4.g REQUESTING THE ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION (RVAMPO) FUND A REGIONAL SURFACE TRANSPORTATION PROGRAM (RSTP) PROJECT FOR EXPANSION AND COMPLETION OF THE TINKER CREEK GREENWAY IN ROANOKE COUNTY, VIRGINIA

WHEREAS, the City of Roanoke, Roanoke County, Botetourt County, the Town of Vinton and the Roanoke Valley Greenway Commission desire to exhibit unanimous support for all RSTP applications involving the Tinker Creek Greenway submitted to RVAMPO with the goal of expanding and completing the Tinker Creek Greenway in all four (4) jurisdictions; and

WHEREAS, the Tinker Creek Greenway alignment is designated as a Priority Two Greenway in the 2007 Update to the Roanoke Valley Conceptual Greenway Plan and is planned to connect the Roanoke River Greenway to Carvins Cove Natural Reserve; and

WHEREAS, the Tinker Creek Greenway Conceptual Master Plan was developed by the Roanoke Valley Greenway Commission and Virginia Tech landscape architecture students in the Landscape Architecture Department, in cooperation with the City of Roanoke, Town of Vinton and Roanoke County in Spring 2000, to identify potential routes for the Tinker Creek Greenway between Fallon Park and Carvins Cove Natural Reserve; and

WHEREAS, the Tinker Creek Greenway has been completed between (1) the Roanoke River Greenway and Fallon Park in the City of Roanoke, and (2) Carvins Cove

Natural Reserve and the trailhead parking lot north of Interstate 81 in Botetourt County and Roanoke County; and

WHEREAS, Botetourt County has developed a Comprehensive Trail Plan to direct the expansion and enhancement of its trail inventory to include establishing trail connections to the Tinker Creek Greenway for the benefit of residents in southern Botetourt County, eastern Roanoke County and other trail users; and

WHEREAS, the focus of the RSTP applications is to expand and complete the Tinker Creek Greenway between Fallon Park in the City of Roanoke and the trailhead parking lot north of Interstate 81 in Roanoke County as well as into Botetourt County.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Supervisors requests the RVAMPO fund projects for the expansion and completion of the multijurisdictional Tinker Creek Greenway in the localities of the City of Roanoke, Roanoke County, Botetourt County and the Town of Vinton.

On motion of Supervisor McNamara to adopt the resolution, and carried by the following recorded vote:

AYES: Supervisors Moore, Bedrosian, Church, Peters, McNamara

NAYS: None

A COPY TESTE:



Deborah C. Jacks
Deputy Clerk to the Board of Supervisors

cc: Megan Cronise, Principal Planner
Roanoke Valley Area Metropolitan Planning Organization
Stephanie M. Moon, MMC, Roanoke City Clerk
Susan Johnson, Town of Vinton Clerk
Susan Fain, Deputy Clerk, Botetourt County



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September 24, 2014

Roanoke Valley Area Metropolitan Planning Organization and
Transportation Technical Committee
P.O. Box 2569
Roanoke, VA 24010

Dear Members of the MPO and TTC:

The Roanoke Valley Greenway Commission reviewed RSTP applications at its August 27 meeting and would like to express its support for the regional application to extend Tinker Creek Greenway through Roanoke City and Vinton and on to Roanoke and Botetourt Counties.

In the 2007 Greenway Plan, Roanoke River is the number one priority, and the number two priorities are the greenways that connect to it. Tinker Creek Greenway is the top one of those priorities, as it would extend all the way from Roanoke River to Carvins Cove and Botetourt County. The first section of Tinker Creek Greenway from the river to Wise Avenue opened in 2002. Now that the bridge to Roanoke River Greenway is built, this route is receiving increasing use. Extension northward is the next priority. The City moving forward to build the next piece from Wise Avenue to Orange Avenue, where road plans show a separated grade crossing. Beyond that, additional work is needed to identify the preferred alignment and secure right-of-way.

The Greenway Commission worked with the four localities in 2000 to develop a master plan for Tinker, which identified the major resources and some potential alignments. That plan is now out of date and did not include engineering considerations. There is continuing interest in this route, particularly from RCIT, other businesses, Hollins University and now Botetourt County. Additional analysis of location options is needed, as well as development of cost estimates. This study will lead to a preferred alignment and allow the localities to move toward construction.

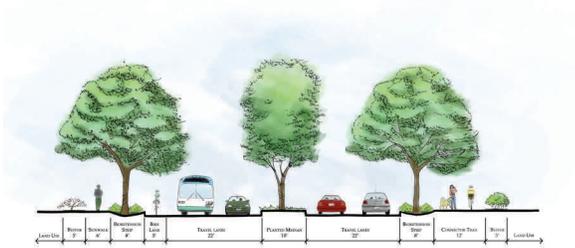
We appreciate the support of the MPO in funding Roanoke River Greenway and look forward to its completion. Thank you for your consideration of this next important greenway.

Sincerely,

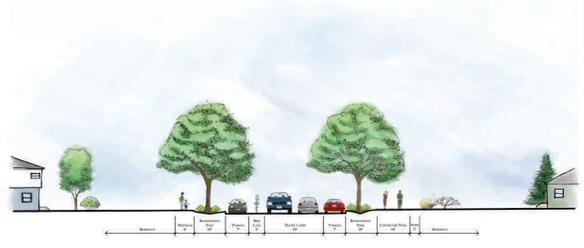
Bob Blankenship, Chairman
Roanoke Valley Greenway Commission

Possible Typical Sections

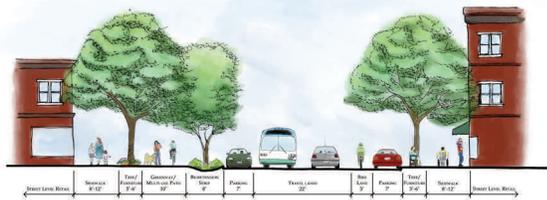
Exhibit



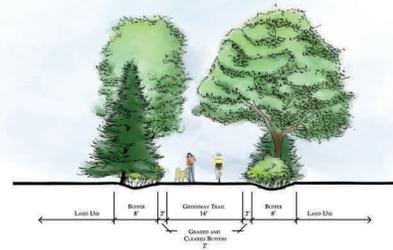
CONNECTOR TRAIL ON BOULEVARD



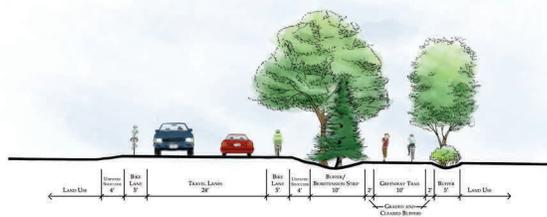
CONNECTOR TRAIL ON SUBURBAN RESIDENTIAL STREET



CONNECTOR TRAIL THROUGH HIGH DENSITY COMMERCIAL DISTRICT WITH BIORETENSION STRIP



GREENWAY TRAIL NON-ROW



GREENWAY TRAIL ON RURAL ROAD

Tinker Creek Greenway Trail Connectivity Study

