



General

This section provides the basic information about the park or trail and the organizations responsible for it.

Park/Trail ID # 14-012D	Funding Application 19-017F	Park/Trail Name Beaver Island Trail
Last Update July 15, 2019		
Project Name Beaver Island Regional Trail Construction and Restoration	District 4	Existing Acres or Miles 4.5

Project Description

The Beaver Island Regional Trail is located within the corporate City limits of St. Cloud and areas of St. Augusta and Lynden Township, Stearns County, MN. The proposed trail corridor travels between state inventoried natural areas and is immediately adjacent to the Mississippi River. The project corridor features residential and commercial zoned properties, regional parks and community facilities. Natural features along the corridor includes trees, river bluff views, significant land forms, natural prairies, topography and vacant lands. The trail connection will provide opportunities for recreation, alternative transportation and access to dozens of businesses and service facilities immediately adjacent to St. Cloud and to Clearwater, Minnesota. The Beaver Island Regional Trail project being requested, is both a development project and a restoration project in one. Land, and easement acquisition is not part of the grant request. Stearns County is requesting funding for the construction of an estimated 6.0 miles of new trail, and the City of St. Cloud is requesting funding for 1.5 mile of new trail with 4.5 miles of restoration efforts. **DEVELOPMENT** The development of a pedestrian and bicycle trail is being proposed on existing parcels and right of way that is owned by the City of St. Cloud and Stearns County. Right of way and trail permitting is actively being pursued, however land acquisition is not part of this grant request. The overall project goal is to construct approximately 6.0 miles of 10-foot-wide grade separated bituminous trail. The start location is within the southern corporate City limits of St. Cloud, Minnesota and will end on the northwest side of Clearwater, MN on the southern boarder of Stearns County The proposed trail termini is aligned to connect to existing and future City of Clearwater and Wright County Trail systems, as well as connecting to River Bluffs Regional Park, a 190 acre regional park situated on the Mississippi River that provides access to the Wild and Scenic Mississippi River corridor area. This facility will also connect to the Scenic River Regional Trail system as well as St. Cloud State University, downtown St. Cloud and connect the City of St. Cloud to Stearns County Warner Lake Regional Park and bring the Mississippi River Trail off County Road 75. The proposed project is part of the City's and County's plan to provide a pedestrian and bicycle trail development and links between communities, business, schools and parks. This project will support the City and County in creating a system of trails that connects to parks and other trip generators. Channeling pedestrians and bike users away from the current road system and away from automobile traffic will increase public safety for motorized and non-motorized system users. **RESTORATION** The restoration component of this grant request comprises the refurbishment of St. Cloud's 4.5 miles of existing Beaver Island Regional Trail segments. These segments were constructed in the early 1990's through 2016 (see attached project area maps). "Taking care of what we have" is a pillar of the

Legacy Plan and this pillar is also a strategic direction of the City of St. Cloud Park & Recreation Department Comprehensive Master Plan that was created in 2017.

Project Area Maps

Preliminary plans and profiles

http://dms.gmrptcommission.org/uploads/funding/19-017F/Plan Requirement_b7e132.pdf

Restoration details

http://dms.gmrptcommission.org/uploads/funding/19-017F/BIT Restoration Map_e6bcf3.pdf

Project Overview

http://dms.gmrptcommission.org/uploads/funding/19-017F/Project Map_80fb22.pdf

Stearns County construction (1 of 2)

http://dms.gmrptcommission.org/uploads/funding/19-017F/Stearns County 1 of 2_f6eeb0.pdf

Stearns County Construction (2 of 2)

http://dms.gmrptcommission.org/uploads/funding/19-017F/Stearns County 2 of 2_4e9acc.pdf

St. Cloud's Construction

http://dms.gmrptcommission.org/uploads/funding/19-017F/City Construction_397f60.pdf

Organization City of St. Cloud	Lead Contact Full Name Scott Zlotnik	Lead Contact Title Park & Recreation Director
Mailing Address 400 2nd Street South	City St. Cloud	State Minnesota
Zip 55319	Phone (320) 650-3170	Email scott.zlotnik@ci.stcloud.mn.us

Funding

Development Type Both	Acres of Park Land to be Acquired 0
New Trail Miles to be Acquired 0	Types Existing Easement
New Trail Miles Developed 6.0	Miles of Trail Restored or Improved 4.5
Trail head facilities developed 0	Number of trail bridges/culverts to be developed/restored 6
Number of Connecting People to the Outdoors Programs created/administered 0	

Project Outcomes

Evaluation of Impact

The proposed project with the City of St. Cloud will provide an independent pedestrian and bicycle trail; while Stearns County's portion of the project will provide an independent pedestrian, bicycle, and snowmobile trail.

The completed 6.0 miles trail will be a functional component of the inter-modal transportation and recreation system located in St. Cloud and throughout Stearns County. Construction and restoration of this trail is in one of the fastest growing areas of Minnesota and will connect the community and its visitors to many assets like; River Bluffs Regional Park, the Mississippi River and Stearns County Warner Lake Regional Park, St. Cloud Hospital, other medical facilities, single/multi-family and senior housing and the St. Cloud State University campus.

The specific project deliverables are:

1. Construction of approximately 6.0 miles of new trail
2. Restoration of 4.5 miles of existing trails
3. Number of users to be served

Evaluations of impacts can be conducted by:

1. Interviews or Surveys with users Pre and post project
2. Online public input surveys
3. Traffic Counters - Additional permanent traffic counters may be installed

The proposed area located in southern St. Cloud and southeast Stearns County, and immediately adjacent to the existing and proposed Beaver Island Regional Trail project has been titled the Corridor of Commerce. This title is associated with trail segments that will provide additional transportation and recreational trail connections to local businesses.

This project will help continue to provide increased access to the Mississippi River Trail, and the Mississippi River (an American Heritage River and a historic transportation route). The project will also continue to provide public access and aesthetic beauty that the corridor holds as a natural resource; such as wildlife viewing, hydrologic features, recreational enjoyment and quality of life enhancement. The proposed improvements will provide significant geological and educational opportunities.

The main users of the intended project embraces citizens from single family and multi-family housing units located immediately adjacent to the existing trail, regional users, employees and students. The types or classification and the approximate number of projected users to be served by this project annually include:

- a.Recreational Pedestrians 50,000+
- b.Walkers and Runners 40,000+
- c.In-line Skaters/Boarders 5,000
- d.Recreational and Commuter Bikers 50,000+
- e.Others (i.e. Fisherman, Nordic ski etc.) 3,000
- d.Snowmobiles (Throughout Central MN) 38,000+

In addition to the enclosed user count data, the connections to the following destinations are located immediately adjacent to the current Beaver Island Trail:

Locations	Number of People	Distance from Beaver Island Trail
(6) Pre-K 12	2,944	Within 2 miles
(9) Corporations	2,239	Within 1 mile
St. Cloud University	15,000+	Within .5 mile

In 2017 the City of St. Cloud concluded an extensive one-year planning process with different forms of public input to articulate the 2017 Park & Recreation Master Plan. The Beaver Island Trail Extension will be impactful, high quality and provide an increased public benefit while attracting new users. The Stearns County Comprehensive plan shows that walking and biking trails continue to be the top most requested outdoor recreational facility. Although many pedestrians and bicyclists are young adults and children, addition attention is needed for schools, libraries, recreation areas, and residential areas.

Legacy Pillars:

- Connect People and the Outdoors
- Acquire Land and Create Opportunities
- Take Care of What We Have
- Coordinate Among Providers

Connection to Pillars

The proposed construction for the Beaver Island Trail Extension will provide opportunity for commuting and recreation to the estimated 100,000+ citizens of Stearns County, St. Cloud, Clearwater, and Lynden Township; and countless number of employees whose work falls along the Beaver Island Trail. Key goals and objectives from St. Clouds 2017 Parks & Recreation Comprehensive Master Plan are highlighted as followed:

Goal:

"Expand and maintain the existing trail system to encourage recreation and support active transportation while improving community health.

Objectives:

1. "To provide a connected trail system to local and regional destinations, specifically completing the St. Cloud portion of the Lake Wobegon Trail and Beaver Island Trail.
2. "To preserve and maintain all current park and trail assets.
3. "Improve trail safety for users through updated signage, trail maintenance and lighting to promote awareness and direction."
4. "Focus on achieving connectivity of the existing bike-way and trail system when planning and programming trail and bike-way improvements and maintenance."
5. "Coordinate with other city, county, and state departments by addressing and improving trails and physical barriers and consider pedestrian and bicycle movements in all planning stages for new or renovated facilities."
6. "Provide access to parks and open space destinations for pedestrian and cyclists."
7. "Acquire, regulate and appropriately manage trail corridors to protect natural features, views, drainage (water) and other functions and to link other areas in the open space network."
8. "Continue to work with existing organizations to help maintain recreational trails for biking, walking and other activities."

The goals and objectives outlined in the 2017 Park & Recreation Master Plan and the Stearns County 2030 Comprehensive Plan echoes goals and strategies within the Parks and Trails Legacy Plan. The Beaver Island Regional Trail project encourages outdoor recreation participation and creates a welcoming environment, provide multiple forms of public access where people live, work and play. The project will connect people to many regional attractions, destinations and parks.

Destination parks contain attractive features for public use and enjoyment such as water (rivers and streams), picnic shelters, trail heads, parking, restrooms, bike repair stations, swimming, natural scenic vistas, overlooks, oak woodlands, natural and restored prairies and many more amenities. Furthermore, the City and County intend to continue to work with private partners to host special events such as walks and runs, nature observation and gatherings of the community for enjoyment of these great spaces.

Acquire Land and Create Opportunities

The City of St. Cloud and Stearns County have placed a high prioritization on the creation of new trail opportunities and maintaining what we have within its comprehensive planning. In addition, the City and County have planned for this trail project to help fill in critical gaps for recreation and commuting while understanding the importance that access has on open space and recreational pursuits in attracting new residents, new business and new jobs to the community. The City of St. Cloud and Stearns County have acquired all necessary lands, trail easements and right-of-way permitting for the project.

Take Care of What We Have

Much like the 2011 Parks and Trails Legacy Plan, the City of St Clouds 2017 Park & Recreation Master Plan identifies priority goals and objectives for taking care of what we have. In summary:

Goal Improve maintenance at all existing parks and trail facilities.

Objective Appropriately manage trail corridors to protect natural features, views, drainages (water), and other functions.

Objective Safety: Improve safety and sense of security for park and trail users.

Objective - Increase the operational and maintenance budget to provide quality amenities to residents and regional users.

The City of St. Cloud desires to set a high priority for managing what we have. We are requesting grant funds to restore through preventative maintenance opportunities and ADA improvements, the refurbishment and maintenance of 4.5 miles of existing Beaver Island Regional Trail surfaces and surrounding natural features associated with the trail corridor. The City would intend to create new trail segments and restore existing trail surfaces to meet current user needs and provide the highest quality recreational opportunities for a variety of trail users with different interests, needs and abilities.

The Bikeway Plan for Stearns County states the following objectives:

1. Provide a bikeway system in Stearns County that is coordinated with local, state and federal bikeway plans and regulations.
2. Increase the number of safe pedestrian bicycle facilities.
3. Provide a bikeway system to meet today's and future needs of pedestrians and bicyclists for transportation and recreational pursuits.
4. Provide the infrastructure for an alternative method of transportation within public highway right-of-way.
5. Provide a system of transportation for the use of non-motorized vehicles moving individuals to and from school, home, work, church, commerce and recreation.
6. Complete a system that has a uniform and consistent design rating throughout the planned system.

Similar to the Lake Wobegon Trail, located in Stearns County that goes East-West from St. Cloud to Osakis, MN and North-South from Bowlus, MN to Albany, MN, the twenty-year-old trail is home to multiple events throughout the year. Yearly maintenance is required and needed to keep users safe and happy. In the Fall of 2019 Stearns County will restore 7.5 miles of the original trail to better accommodate users in the northwest area of the county with the use of legacy funds granted by the Greater Minnesota Regional Park and Trails Commission.

Stearns County actively budgets annually for trail maintenance. This practical approach extends the life of asphalt and keeps out trails users safe and wanting to return to the trail. Annual maintenance activities include: crack sealing, seal coating, grinding bumps, replacing bridge approaches, culvert maintenance, and more. With the Lake Wobegon Trail, being the most heavily used Stearns County Park facility, with 30% of respondents using the trail; the county has a standard to uphold to keep the public pleased. Maintaining consistency with trail design, general maintenance, and complying to all regulations will assist the county and city in increasing public use of the future trail.

Connection to a Regionally Substantial Component of the Master Plan

This proposed project has been determined to be Regional in nature by many planning studies, reports and the Greater Minnesota Parks and Trails Commission:

City of St. Cloud
2000 Beaver Island Trail Regional Concept Master Plan
2005 Central Minnesota Regional Parks & Trails Plan
2010 Stearns County Bikeway Plan

2011 St. Cloud Urban Area Mississippi River Corridor Plan
2013 St. Cloud APO Federal Congressional Priorities
2014 Greater MN Parks & Trails Strategic Plan
2014-2018 State Comprehensive Outdoor Recreation Plan
2016 City of St. Cloud Comprehensive Plan
2018 City of St. Cloud Strategic Plan
2018 City of St. Cloud Capital Improvement Plan
Stearns County 2030 Comprehensive Plan
Wright County Bike Plan

This project is part of the City's Comprehensive Plan and Beaver Island Regional Trail Concept Master Plan(<http://ci.stcloud.mn.us/DocumentCenter/View/928/Beaver-Island-Regional-Trail-Concept-Plan-2000?bidId=>), to provide for pedestrian and bicycle development and links between communities, schools and parks. The proposed project when completed will begin to serve as a catalyst to many opportunities such as:

1. The City moves one step closer to finishing all of the related trail segments comprising the Beaver Island Regional Trail.
2. The ability to connect people from where they live to where they may work; allowing for alternate transportation methods and increased recreational opportunity.
3. The ability to create economic opportunity returns by increasing real estate values of property by implementing this trail and open space improvement.

The plan identifies the trail connection project highlighted in this application and is reinforced and supported by public participation. The need for this trail connection is well established in vetted plans and provides public support for the Beaver Island Regional Trail comprehensive project in general. The plan was reviewed by both the City of St. Cloud Park & Recreation Advisory Board and City Council.

The 2014 Greater MN Parks & Trails Strategic Plan (http://www.legacy.leg.mn./sites/default/files/resources/GMRPTC_Strategic_Plan.pdf) highlights and supports bicycle and pedestrian facility development within Greater Minnesota. The plan specifically identifies and through public support expresses the need for regional trail connections and non-motorized facilities. Broad goals and objectives are called out in this plan that are specific and relative to the proposed project that has been vetted by the public, which include:

Regional Trail Classification (Non-Motorized) City of St. Cloud and Stearns County (non-motorized with snowmobiles)

Criteria #1 Provides a High-Quality Destination Trail Experience

Criteria #2 Well-located to Serve Regional Population and/or Tourist Destination

Criteria #3 Enhances Connectivity to Regional Destinations

Criteria #4 Fills a Gap in Recreational Opportunity within a Region

This strategic plan addresses and incorporates these requirements of the enabling legislation as defined by the statute. The Strategic plan was vetted at many public open meetings and adopted by the commission on June 25, 2014.

The City of St. Cloud and Stearns County have been an active member and supporter of the Greater MN Regional Parks & Trails Commission and its organization since inception, and often compete for Legacy Amendment Funds to assist financially with regional parks and trail projects. The Beaver Island Regional Trail project segment has recently been qualified as a highly suitable project and met all regional criteria through the Greater MN Regional Parks & Trails Commission process.

The State Comprehensive Outdoor Recreation Plan (SCORP)

(<https://www.dnr.state.mn.us/aboutdnr/reports/scorp/index.html>) assisted in creating experiences that inspire a legacy of stewardship for the natural world and they provide fun, outdoor recreational opportunities that

strengthen friendships, families, health and spirit now and into the future. Minnesotans experience the full range of benefits that outdoor recreation provides, reinforcing our identity as an outdoor culture.

As identified within the SCORP; Minnesotans should have outdoor recreation lands and facilities they can get too easily, with amenities they can use and afford. Strategies would include:

Design and redevelop outdoor recreation facilities so that they can accommodate varying forms of transportation to sites.

When feasible, outdoor recreation opportunities should be within reasonable distance to homes or public transportation so that people can access them without cars.

Focus on acquiring priority trail segments according to established criteria: Connects to communities (schools, work opportunities, central business districts). Connects with existing state trails and/or regional trails. Connects with high-quality natural resources or recreation areas. Connects to multiple destinations.

Fills a critical gap in an area with a recreation opportunity shortage. Secures a critical piece of a trail system. Secures a unique opportunity or experience and has a financial commitment from the agency or organization proposing the investment fills a critical gap for commuting.

Place a priority on new trail opportunities that are closer to the concentration of users.

Place a priority on trail development in the densely settled and rapidly growing parts of the state that have the least opportunities.

Place a priority on regional centers that lack a near-home outdoor recreation opportunity.

Design, develop, and redevelop facilities that meet the differing outdoor recreation needs for people of all abilities.

The aforementioned and visionary of local and state-wide planning share the desire to locate and succeed the proper financial resources that will place St. Cloud and Stearns County at the forefront to fill the gaps related to bicycle and pedestrian friendly project construction and connectivity. Completing the Beaver Island Regional Trail will achieve a single trail system from downtown St. Cloud to Stearns County Warner Lake Regional Park, as well as helping us to achieve connections to the future east/west trails connection titled the Lake Wobegon Regional Trail. The Lake Wobegon Trail continues westward and connects to the Central Lakes Trails and the Soo Line Trail for a total of 125 miles of paved trail. The proposed section would complete the most challenging section of the southern portion of the Beaver Island Trail.

Project Readiness

Project Lead

Project readiness from the City of St. Cloud and Stearns County is very high. The City has currently completed survey and preliminary design for the intended construction project area (1.5 miles of new trail). All right-of-way adjacent to the Beaver Island Trail south of the City limit is currently owned by Stearns County and is actively seeking funding and will start construction for the estimated 6.0 miles of new trail as soon as possible. In addition to the current proposed construction project, the City is intending to embark on the restoration and pavement management surveys, for the other related 4.5 miles of trail.

The City of St. Cloud received \$434,000 and Stearns County received \$427,106 in Federal Transportation Funds which will serve as a large portion of local match. The environmental document path the City and County would intend to utilize will be the Minnesota Department of Transportation (MNDOT) Project Memorandum format, which will include an Environmental Assessment Statement (EAS), subjects and project submissions. Preliminary work for the trail in the City limits and County has occurred and expect the following outcomes to take place:

Preliminary Trail Design: Completed (City); Submit Fall 2019 (County)

Project Memorandum submitted to MNDOT: Submitted & Completed (City); April 2020 (County)

ROW certificate submitted to MNDOT: April 2020

Plans and Specifications Submitted to MNDOT: May 2020 - January 2021

Construction: Summer 2021

Scott Zlotnik, Park & Recreation Director for the City of St. Cloud and Certified Park & Recreation Professional (CPRP) will serve as the Project Manager. Mr. Zlotnik has vast experiences in writing, receiving, delivering and closing out many types of federal and state grant funded projects within the parks and trails arena. Mr. Zlotnik has received millions of dollars in grant funds over the past 15 years, supported by State Legacy Funds, Federal Transportation Funding, Regional Trail Grants, Regional Park Grants, Federal Recreational Trail Grants, and large contributions and donations in support of park and trail projects.

Randy Sabart Registered Civil Engineer, with Short Elliot Hendrickson (SEH) will serve as the lead consultant for the City of St. Cloud. Mr. Sabart has constructed projects for the City of St. Cloud, most notably the Beaver Island Regional Trail Phase #4 Project, Calvary Hill Community Park restoration and new Regional Pickleball Complex. Mr. Sabart also has many infrastructure and civil road projects under his resume with the City of St. Cloud spanning over 25 years. Mr. Sabart has a team of skilled and experienced staff locate in SEH's St. Cloud office, poised and ready to go to work on this project. SEH is a well know firm in Minnesota and throughout the United States and Canada.

Ben Anderson, Stearns County Parks Director, will serve as the Countys representative for this project. Mr. Anderson assisted in the writing, receiving, delivering, and closing of many different types of federal and state funded grants. The Lake Wobegon Trail final phase from St. Joseph to Waite Park, MN was completed in Summer of 2018. The Soo Line and Dairyland has been an ongoing project for the southwestern portion of Stearns County. Stearns County has partnered with multiple professional engineering firms for different projects.

The project team will work with Stearns County, City Administration, and Legal Department to review and gain approvals in relation to the execution of all necessary agreements/permits and locating all funding sources necessary to complete the project.

Implementation Timeline

Enthusiasm is extensive for this project and multiple strides have been taken to see the projects implementation. The tentative schedule provides a proposed timeline to complete the development of the City of St. Clouds portion and Stearns Countys portion of the Beaver Island Regional Trail:

Legacy Grant Application submitted to MNDNR: August 2019
Project Memorandum submitted to MNDOT: Completed (City); Spring 2020 (County)
ROW certificate submitted to MNDOT: April 2020
Grant Agreement with MNDNR and GMRPTC: July 2020
Start of Final Design after grant award: July 2020
Plans, Specifications Submitted to MNDOT: May 2020 - January 2021
Bid the project(s): Spring 2021

Project Status-Concept Planning Phase:

May 2000: The City of St. Cloud, with the cooperation of Stearns County, completed a Regional Trail Concept Plan for the Beaver Island Trail.

May 2007: Stearns County completed a "Rails with Trails" Feasibility Study for all of Stearns County. The Area Planning Organization (a regional planning authority) has programmed this trail into their 2030 Bike Plan.

City of St. Cloud and Stearns County have the trail highlighted in their Comprehensive Plans.

The Beaver Island Regional Trail was determined to be Regional by the Greater Minnesota Parks and Trails Commission in 2016.

The 2011 St. Cloud Urban Area Mississippi River Corridor Plan also highlighted this trail project as a priority for the regional area.

The 2016 City of St. Cloud Comprehensive Plan and 2017 Park & Recreation Master Plan highlight this trail and project as a priority for the City and the region.

Project Status-Issues to still be accomplished

Approval of necessary grant agreements must take place before development begins.
Additional topographical survey and soil borings of the proposed site to guide the detailed design and construction process.
Grant agreement approval.
Detailed design approval from MnDOT.
Any local or building official plan review.
Approval by the St. Cloud City Council.
Necessary construction permits related to stormwater from MPCA, Stearns County and the City of St. Cloud will need to be acquired.
A public hearing was conducted by the St. Cloud City Council on April 16, 2018.
The final alignment of this trail segment was approved by the St. Cloud City Council on April 16, 2018.

City and County staff will obtain any additional required permits and additional design details, survey work, engineering and construction plans deemed necessary to move the project forward.

Availability for Public Use

The Beaver Island Regional Trail is intended to provide year-round trail use for pedestrians, bikers, in-line skaters; and a secondary use for Nordic skiers and snowmobiles. It has been agreed that the Stearns County portion of the Beaver Island Regional Trail will only allow snowmobiles. For the City's portion of the project, during warmer months, the Park Maintenance staff will mechanically broom sweep or blow the trail to keep it free from debris for the many charitable walks/runs, pedestrians and cyclists that will utilize the new facility. It is intended that this new trail project, once completed, will be primarily maintained by the City of St. Cloud and Stearns County Park Maintenance staff, service clubs, and volunteers. The trail is free for the public use and is open to the public during normal park hours and during special events such as: CentraCare Earth Day Run, Minsor Chiropractic 5k Run, and many more charitable and non-profit events. In addition, in-line skaters and in-line skate skiers from St. Cloud State University and the local Nordic high school teams are often seen utilizing the trail system, training pre-season events with equipment that does not require snow.

The Stearns County's portion of the summer trail will be open to the public for walking, running, biking, in-line skating, and Nordic dry land training. During the winter months, maintenance staff for the City's portion of the project will plow one half of the trail to remove snow to keep it free from debris and safe for walkers and bikers. The other half of the trail with a buffer area will be intended for Nordic skiing. The Nordic Ski Club of Central Minnesota performs all ski grooming activities throughout the City of St. Cloud. The County's portion of the trail will be available for snowmobile use, which is designated as part of the MnUSA Corridor (EW) No. 34/211 and will be groomed by local snowmobile clubs.

Design Standards

The current 20+ miles of trail in existence within the City limits, have been designed and constructed to meet and/or exceed standards set forth by the Americans with Disabilities Act (ADA). This project, similar to all other City of St. Cloud and Stearns County constructed trail projects, will be designed and constructed in ADA accordance. The Beaver Island Trail Extension will help the City and County create a system of trails that connects to parks and other trip generators.

The intended project will be designed in such a way to provide for increased user safety utilizing the Minnesota Department of Transportation (MNDOT) Minnesota Bikeway Facility Design Manual, MNDOT Plan Review for the Federal Documentation Process, Department of Justice (DOJ) 2013 ADA Standards for Accessible Design, and the Department of Natural Resources Trail Planning and Development Guidelines will be used in all areas of design and engineering for the project. Special attention will be implemented for signing, site distances, trail way design, smoothness of surfaces, barriers, railings, fences and any traffic control measures.

Geometric Design Elements
Bike Path Type Urban
Path Width, ft10.0

Path Surfacing Bituminous
Clear Zone, ft 2.0
Inslope, rise: run 4:1 (3:1 max) 4:1 (3:1 max)
Design Speed 20 mph
Maximum Grade 5.0%
Vertical Clearance 10.0 ft.
Design Exceptions required: No

Registered Civil Engineer in the State of Minnesota and team members from the City and County will provide the overall project guidance. Additionally, the project will be federally funded; will need to pass a comprehensive MnDOT review; and will be vetted by MnDOT for accuracy in meeting current industry design standards.

Project Cost Breakdown

The cost breakdown provided for construction, restoration, and non-eligible elements for the City of St. Cloud:

CONSTRUCTION

Line 1 Mobilization 1 location for equipment and material staging. \$30,000
Line 2 Clearing & Grubbing Brush and root removal. \$5,000
Line 3 Removal/Sawing/Salvage The removal and salvage items of certain structures, road signs, items etc. \$6,800
Line 4 Common Excavation Estimated 10,000 cubic yards of material excavated Unit price is for stripping and stockpiling of black dirt. \$80,000
Line 5 Subgrade Excavation Subgrade excavation of 400 cubic yards of material. Additional digging, soil removal, and culvert installations. \$4,000
Line 6 Select Granular Borrow Estimated 8,650 cubic yards of select granular borrow. \$103,800
Line 7 Subgrade Preparation Can include certain geo-textiles that can aid in project quality. \$16,200
Line 8 Aggregate Base Class 5 Estimated 4,100 tons of Class 5 aggregate base. \$61,500
Line 9 Street Sweeper with Pick-up Broom An MPCA requirement; all project access roads, or roads adjacent to projects and hard surfaces within the project be kept clean of soils, silts, and debris. \$16,000
Line 10 Bituminous Patch Special Estimated 25 square yards bituminous material for small patches needed to reconnect driveways, new ADA aprons to roads and necessary curbs. \$2,500
Line 11 Bituminous Material for Fog Seal Estimated 1100 gallons of fog seal. \$2,750
Line 12 Type SP9.5 Wearing Course Mix 1125 tons of bituminous material will be utilized to construct the physical trail in two separate applications. \$90,000
Line 13 Wood and Metal Railings 400 linear feet of railing for in case of a fall type safety hazard may exist. \$22,000
Line 14 6 Concrete Walk with Sand Bedding - Estimated 500 square to provide for new areas, reconnections and or a repair item for concrete sidewalks, aprons, roads or driveways. \$6,000
Line 15 Truncated Domes Estimated 100 square feet of ADA required truncated domes on pedestrian access ramps. \$6,000
Line 16 Concrete Curb and Gutter Estimated 50 linear feet of new concrete curb and gutter. \$1,750
Line 17 Temporary Signs and Pavement Markings Temporary and permanent traffic signs, signs, pavement markings and pavement messaging will be required. \$9,625
Line 18 & 19 24 RC Pipe Apron and Sewer Design Class 3 3 pipe aprons (\$3,300) and 275 linear feet of sewer pipe (\$17,875) for replacement and new storm water pipes. \$21,175
Line 20 Construct Drainage Structure 2 separate reconstructed drain basins will allow proper gravity flow of storm water. \$10,000
Line 21 Topsoil Borrow Estimated 5,000 cubic yard of topsoil and reseed material. \$70,000
Line 22 Silt Fence 16,000 linear feet of MPCA required erosion control silt fencing. \$34,400
Line 23 Fertilizer Type 3 Estimated 1860 pounds of MPCA required fertilizer for reseeding and re-vegetation. \$1,395
Line 24-26 Seeding/Seed Mixture and Hydraulic Bonded Fiber Matrix (HBFM) 5.3 acres, seeding labor (\$3,975), and 320 pounds of seed mix (\$1,280) have been estimated. The HBFM organic binding material

(\$18,600) increased germination success. Total cost: \$23,855

RESTORATION

Line 27 Mobilization 1 location for equipment and material staging at restoration site. \$20,000
Line 28 ADA Improvements ADA upgrades that will need to be made once restoration upgrades are initiated. \$10,000
Line 29 Remove Tree/Remove Sod/Clean Cracks Estimate labor for removal of trees, tree roots and; sod and weeds affecting the trail. Crack cleaning and debris removal is included. \$70,000
Line 30 Remove Bituminous Bituminous removal to base material due to heavy tree and root growth throughout the 4.5mile area. \$153,000
Line 31 Type SP 9.5 Bituminous Mix Estimated bituminous material utilized to be reapplied after milling. \$225,000
Line 32 Erosion Control/Landscaping/Plant Trees Estimated unit for necessary erosion control. \$22,000
Line 33 Design/Engineering/Construction Administration The City of St. Cloud is assuming 80% of costs for this category will be paid by the necessary local match and that the remaining 20% will be eligible for Legacy Grant funding. \$210,000
Line 34 Construction contingency N/A. \$0

Non-Eligible Expense Items

Line 35 Geotechnical Exploration and Testing New soil borings, compact and density testing of materials. \$30,000
Line 36 Topographical survey- Active engagement in right-of-way acquisition. Legal fees and other title documents will need to be prepared. \$8,000
Line 37 Fog seal- approximately 4.5 miles of trail. \$50,000
Line 38 Crack seal- approximately 4.5 miles of trail. \$35,000
Line 39 Construction contingency fund. \$100,000

Total Project Cost \$1,334,750
Grant Request \$900,000
Local Match \$434,750
Non-Eligible Expenses \$223,000

City of St. Cloud Grand Total \$1,557,750

Cost provided for construction and non-eligible elements for Stearns County:

CONSTRUCTION

Line 1 Estimated 4.5 miles of trail construction. Total estimated price includes pre-construction, construction, and post-construction efforts. Total Cost: \$1,927,106

Non-Eligible Expense Items

Line 2 Engineering, acquisition, and contingency funds. Total Cost: \$260,000

Total Project Cost \$1,927,106
Grant Request \$1,500,000
Local Match \$427,106
Non-Eligible Expenses \$260,000

Stearns County Grand Total \$2,187,106

Grand Total of Beaver Island Regional Trail Project \$3,744,856

Funding Request Breakdown

Grant Funding Request

\$2,400,000

Local Match #1

\$434,750

Funder #1

0

Local Match #2

\$427,106

Funder #2

0

Local Match #3

0

Funder #3

0

Local Match #4

0

Funder #4

0

Local Match #4

0

Funder #5

0

Non-Eligible Local Match

483000

Non-Eligible Item Description

St. Cloud

\$30,000 for Geo-technical exploration and testing for soil boring, compaction testing, and concrete testing

\$8,000 for additional field survey and legal work

\$50,000 for fog sealing approximately of 4.5 miles of trail

\$35,000 for crack sealing approximately 4.5 miles of trail

\$100,000 for project contingency fund

Non-eligible items will be funded through the City of St. Cloud voter approved local option sales tax for parks and trails or other funding sources.

Stearns County

\$260,000 for engineering, acquisition, and contingency fund

Total Funding

\$3,261,856

Percentage of local match

0.26

Completion Timeframe

18 months

Funder #1

City of St. Cloud

Funder #1 Resolutions

City Support resolution

http://dms.gmrptcommission.org/uploads/funding/19-017F/city_resolution_db0387.pdf

Funder #2

MNDOT Federal TAP- St. Cloud

Funder #2 Resolutions

City TAP Letter

http://dms.gmrptcommission.org/uploads/funding/19-017F/City TAP Acceptance_c83159.pdf**Funder #3**

Stearns County

Funder #3 Resolutions

County Support resolution

http://dms.gmrptcommission.org/uploads/funding/19-017F/county resolution_3905e5.pdf**Funder #4**

MNDOT Federal TAP- Stearns County

Funder #4 Resolutions

County TAP Letter

http://dms.gmrptcommission.org/uploads/funding/19-017F/County TAP Acceptance_59dbee.pdf**Funder #5**

N/A

Budget Worksheet

BIRT Budget Template

http://dms.gmrptcommission.org/uploads/funding/19-017F/18-007_86d0d1.xlsx

Attachments

Doc Name	Description	Url
Project Area Map	Preliminary plans and profiles	http://dms.gmrptcommission.org/uploads/funding/19-017F/Plan Requirement_b7e132.pdf
Project Area Map	Restoration details	http://dms.gmrptcommission.org/uploads/funding/19-017F/BIT Restoration Map_e6bcf3.pdf
Project Area Map	Project Overview	http://dms.gmrptcommission.org/uploads/funding/19-017F/Project Map_80fb22.pdf
Funder Resolution One	City Support resolution	http://dms.gmrptcommission.org/uploads/funding/19-017F/city resolution_db0387.pdf
Funder Resolution Two	City TAP Letter	http://dms.gmrptcommission.org/uploads/funding/19-017F/City TAP Acceptance_c83159.pdf

Funder Resolution Three	County Support resolution	http://dms.gmrptcommission.org/uploads/funding/19-017F/county_resolution_3905e5.pdf
Funder Resolution Four	County TAP Letter	http://dms.gmrptcommission.org/uploads/funding/19-017F/County_TAP_Acceptance_59dbee.pdf
Budget Worksheet	BIRT Budget Template	http://dms.gmrptcommission.org/uploads/funding/19-017F/18-007_86d0d1.xlsx
Additional Attachment	Trails ~30 mi from BIRT	http://dms.gmrptcommission.org/uploads/funding/19-017F/30_mile_radius_8cb223.pdf
Additional Attachment	Trails ~60 mi from BIRT	http://dms.gmrptcommission.org/uploads/funding/19-017F/60_mile_radius_a7dbf5.pdf
Additional Attachment	BIRT Designation	http://dms.gmrptcommission.org/uploads/funding/19-017F/Designation_Acceptance_301813.pdf
Project Area Map	Stearns County construction (1 of 2)	http://dms.gmrptcommission.org/uploads/funding/19-017F/Stearns_County_1_of_2_f6eeb0.pdf
Project Area Map	Stearns County Construction (2 of 2)	http://dms.gmrptcommission.org/uploads/funding/19-017F/Stearns_County_2_of_2_4e9acc.pdf
Project Area Map	St. Cloud's Construction	http://dms.gmrptcommission.org/uploads/funding/19-017F/City_Construction_397f60.pdf