

**Environment and Natural Resources Trust Fund
2019 Request for Proposals (RFP)**

Project Title:

ENRTF ID: 135-C

Green Sustainability Walk - St. Anthony Village

Category: C. Environmental Education

Sub-Category:

Total Project Budget: \$ 550,000

Proposed Project Time Period for the Funding Requested: June 30, 2021 (2 yrs)

Summary:

Green Sustainability Walk - St. Anthony Village
Develop a Two Mile Sustainability Educational Walking Tour that engages all senses through the use of
-Augmented Reality, Mobile Applications and Kiosks

Name: Jay Hartman

Sponsoring Organization: City of St. Anthony Village

Title: Director of Public Works

Department: _____

Address: 3301 Silver Lake Road

St. Anthony Village MN 55418

Telephone Number: (612) 782-3314

Email jay.hartman@savmn.com

Web Address www.savmn.com

Location

Region: Metro

County Name: Hennepin

City / Township: St. Anthony Village

Alternate Text for Visual:

Map showing the location of some of the Low Impact Development, Green Infrastructure and Sustainability Sites to be included in the Walk

<input type="checkbox"/>	Funding Priorities	<input type="checkbox"/>	Multiple Benefits	<input type="checkbox"/>	Outcomes	<input type="checkbox"/>	Knowledge Base	
<input type="checkbox"/>	Extent of Impact	<input type="checkbox"/>	Innovation	<input type="checkbox"/>	Scientific/Tech Basis	<input type="checkbox"/>	Urgency	
<input type="checkbox"/>	Capacity Readiness	<input type="checkbox"/>	Leverage	<input type="checkbox"/>		TOTAL	<input type="checkbox"/>	%
<input type="checkbox"/> If under \$200,000, waive presentation?								



PROJECT TITLE: Green Sustainability Walk – St. Anthony Village

I. PROJECT STATEMENT: Green Sustainability Walk - St. Anthony Village

This project proposes to develop a Two Mile Sustainability Educational Walking Tour that engages all senses through the use of Augmented Reality, Mobile Applications and Kiosks. St. Anthony Village is dedicated to investing in Green Infrastructure that provide Sustainable solutions and a Resilient Response to City and Private Landowner infrastructure investments. The Cities efforts have been recognized by the and MPCA. The MPCA has recognized St. Anthony Village as a Green Steps-5 Community. This is the highest rating in the Green Step program, and has only been awarded to six Cities in the State.

St. Anthony Village along with their collaborative partners has invested over \$30 Million Dollars in Sustainable and Resilient Projects over the last 2 decades. This has resulted in a unique cluster of Low Impact Development, Sustainability and Resiliency examples within a two-mile walk that cannot be experienced anywhere else in the world.

Some of the sites on the Walking tour will include:

- Resilient Flood Response an Flood Mitigation
- Urban Stormwater Research Facility that removes pollutants from stormwater
- Advanced Oxidation Treatment constructed to address emerging contaminants
- Bio-filtration Swales that improve water and provide urban habitat
- Stormwater Alum Treatment Systems that reduce nutrients in storm water
- Fisheries (Invasive Species Management)
- Pollinator Pathways a public, private, partnership to increase pollinator populations
- Rain gardens with public private cooperation
- Rain Barrels,
- ADA Accommodations to improve non-motorized access to City features
- Renewable energy examples in an urban landscap
- LED Advancements
- Storm Water and Water Treatment Plant Water Reuse Facilities

This project will develop augmented reality/virtual reality, Mobile Applications, way finding and kiosks which will guide participants along the walk immersing them with an experience and education into the benefits, uses and technology currently being applied to better our environment, meet the demands of modern life styles and preserve our environment for future generations.

II. PROJECT ACTIVITIES AND OUTCOMES

Activity 1: *Design, Engineering and Supervision*

ENRTF BUDGET: \$350,000.000

Outcome	Completion Date
<i>1. Augmented Reality and Virtual Reality/ Mobile Application Design</i>	<i>4/2020</i>
<i>2. Kiosk and Pavement Marking Design</i>	<i>5/2020</i>



**Environment and Natural Resources Trust Fund (ENRTF)
2019 Main Proposal Template**

<i>3. Supervision of Construction and installation</i>	<i>10/2020</i>
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Activity 2: *Construction of Kiosks, Pavement Markings, Advertising*

ENRTF BUDGET: \$200,000

Outcome	Completion Date
<i>4. Construction, Development and Installation</i>	<i>6/2021</i>
<i>5. Construction Materials</i>	<i>6/2021</i>
<i>6. Advertising, Community and Public Outreach</i>	<i>6/2021</i>

III. PROJECT PARTNERS:

A. Partners receiving ENRTF funding

Name	Title	Affiliation	Role
Jay Hartman	Director of Public Works	St. Anthony Village	Fiscal Agent

B. Partners NOT receiving ENRTF funding

Name	Title	Affiliation	Role

IV. LONG-TERM- IMPLEMENTATION AND FUNDING:

Long term goals of the project will adding new experiences to the walk as they are completed in addition to technological AR and VR improvements as they become available. A long-term monitoring/maintenance plan will be implemented to assure all kiosks, pavement markings and applications are adequately functioning as designed for the project.

V. TIME LINE REQUIREMENTS:

The goal for timeline requirements of overall project is ongoing with advances in new technology. This project phase which we are requesting funding timeline requirements is approximately 1.5 years.

VI. SEE ADDITIONAL PROPOSAL COMPONENTS:

- A. Proposal Budget Spreadsheet**
- B. Visual Component or Map**
- C. Parcel List Spreadsheet**
- D. Acquisition, Easements, and Restoration Requirements**
- E. Research Addendum (not required at proposal stage)**
- F. Project Manager Qualifications and Organization Description**
- G. Letter or Resolution**
- H. Certified Audit or 990 Tax Information**

2019 Proposal Budget Spreadsheet

Project Title: Sustainability and Resiliency Trail

IV. TOTAL ENRTF REQUEST BUDGET One year

BUDGET ITEM (See "Guidance on Allowable Expenses")	AMOUNT
Personnel: City Staff	
Professional/Technical/Service Contracts: Augmented Reality, Virtual Reality and Kiosk development	\$350,000
Equipment/Tools/Supplies: Kiosks/Way-finding/Pavement Markings	\$200,000
Acquisition (Fee Title or Permanent Easements):	\$ -
Travel:	\$ -
Additional Budget Items:	
TOTAL ENVIRONMENT AND NATURAL RESOURCES TRUST FUND \$ REQUEST =	\$ 550,000

V. OTHER FUNDS *(This entire section must be filled out. Do not delete rows. Indicate "N/A" if row is not applicable.)*

SOURCE OF FUNDS	AMOUNT	Status
Other Non-State \$ To Be Applied To Project During Project Period:	\$ -	
Other State \$ To Be Applied To Project During Project Period:	\$ -	
In-kind Services To Be Applied To Project During Project Period: City Staff Time to administer project	\$ 35,000	<i>Secured</i>
Past and Current ENRTF Appropriation:	\$ -	
Other Funding History: All Projects project included on the were constructed using cooperative processes and contributions from the following over the last 15 years: St. Anthony Village, MPCA, MWMO, MNDNR, RCWD, Hennepin County, St. Anthony New Brighton School District, US Army, Columbia Heights, New Brighton, Roseville, Ramsey County, Numerous local residents and Faith Organizations.	\$ 30,000,000.00	



St. Anthony Sustainability Projects

The City of Saint Anthony Village and its citizens have focused more intently on sustainable living in recent years.

Put simply, sustainability is the ability to be sustained or upheld. Ecological sustainability comprises of a diverse and productive ecosystem designed for long-term success. Similarly, the diverse skills and interests of the community ensure the enjoyment of our natural resources now and in the future. A community effort has been pivotal in helping the City hold workshops, festivals, and programs to make Saint Anthony a more sustainable place to live.

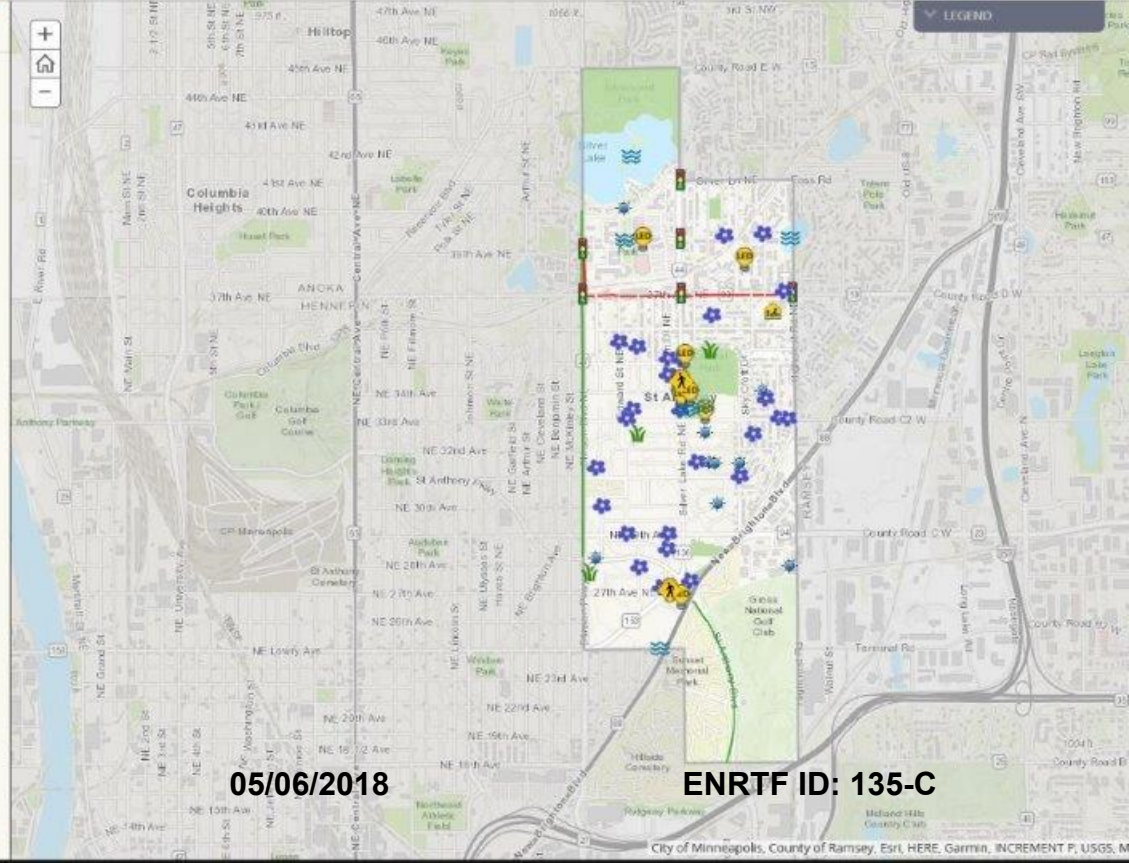
Click [here](#) to go to the City's Sustainability Website.

Scroll down to see projects.

Central Park Water Re-Use Facility

This half million gallon, underground storage tank serves the city a multitude of functions, it directly collects stormwater runoff from 15 acres of street, building and parking lots. It also receives backwash from the water treatment plant, which treats the extracted groundwater that is distributed to all city residents. The solid pollutants in the collected water settle to the bottom of the underground tank. The stormwater is then pumped to the adjacent Central Park ball fields and City Hall Campus and used for irrigation.

This facility was the first of its kind in the city.





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City of St. Anthony: Jay Hartman – Administrator/Project Manager Qualifications

Experience includes providing effective and efficient design, construction, and operation and maintenance of the City's infrastructure. Coordination of services for our 6 divisions; Parks, Streets, Water/Sewer, Vehicle Maintenance, Engineering, and Maintenance of City Buildings. Ensuring the quality of life to our residents, businesses and visitors is exemplary by providing safe, reliable and effective service consistent with the vision and goals of the community. Planning action steps to support our mission of being a sustainable Village.

City of St. Anthony- Organization Description

Our mission statement is to be a progressive and welcoming Village that is walkable, sustainable and safe. The City of St. Anthony operates under the "Statutory Plan B" form of government, which gives the Council responsibility for policy and legislative activity, but delegates the administrative duties to the City Manager.

Our Mission is to be a progressive and welcoming Village that is walkable, sustainable and safe.