## 1562 - Summit Trail

## **Application Details**

Funding Opportunity:	1001- Motorized & Diverse Projects - Recreational Trails Program 2022 Grants
Funding Opportunity Due Date:	Nov 2, 2021 12:00 AM
Program Area:	Recreational Trails Program
Status:	Under Review
Stage:	Final Application
Initial Submit Date:	Nov 1, 2021 2:38 PM
Initially Submitted By:	Lisa Tovar
Last Submit Date:	
Last Submitted By:	

## **Contact Information**

## Primary Contact Information

Active User*:	Yes
Туре:	External User
Name:	Salutation Lisa Middle Name Tovar First Name Last Name
Title:	Business Analyst III
Email*:	cohgrants@cityofhenderson.com
Address*:	240 S. Water Street
	Henderson Nevada 89052

Phone\*:

#### Fax:

#### ####-####

#### Comments:

## Organization Information

Status*:	Approved
Name*:	City of Henderson
Organization Type*:	City Government
Tax Id:	886000720
Organization Website:	https://www.cityofhenderson.com/
Address*:	240 S Water St.

	Henderson Nevada89015-7227CityState/ProvincePostal Code/Zip
Phone*:	702-267-1776 Ext. ####-############
Fax:	<del>####-#######</del>
Benefactor:	
Vendor ID:	
Comments:	

## RTP Pre-Application - MOTORIZED & DIVERSE

#### **Project Description**

Classification*:	Government Please choose one.	
Government Classification:	Local/Municipality Please choose one.	
Grant Manager/ Primary Point-of-Contact (if grant is awarded)*:	Lisa First Name	<b>Tovar</b> Last Name

Title*:	Business Analyst III
Email Address*:	lisa.tovar@cityofhenderson.com
Telephone*:	702-267-4003
Address*:	240 S. Water Street Address Line 1
	Address Line 2
	Henderson Nevada 89015- City State Zip Code
Land Owner*:	City of Henderson
Classification of Land Control*:	Public Land Select all that apply.
Project Costs	
Please do not submit match not directly related to the project.	
Grant Request*:	\$17,809.00
Match Amount*:	\$4,452.00 (20% of total amount for diverse& education projects; 5% for moto)
Total Project Amount:	\$22,261.00
Match Sources*:	City/County
Please Describe Source(s)*:	
The City of Henderson will provide matching funds through our g	general operating funds.
Project Category(s)*:	Non-motorized for diverse use Select all that apply.
Trail Use*:	Mountain Biking, Pedestrian (hiking/trail) Select all that apply.
If Other, Please List:	
Project Type*:	Construction of new trails Select all that apply.
If Other, Please List:	
Course of Mark	

Scope of Work Describe exactly what work will be completed, include miles of trail or other measurable goals. Please be specific to the actual project being built.

#### Scope of Work\*:

Summit Trail is a .75-mile natural soft surface trail that ends at a scenic viewpoint on Black Mountain. The trail will be accessible to pedestrians and mountain biking enthusiasts. This project is the first phase to a future connection to the highest point in Henderson. Summit Trail will be designed to reduce runoff during storm events to minimize trail maintenance and trail closure. The alignment will utilize existing social trails to reduce the disturbance to the natural environment.

#### Project Location

Congressional District(s)*:	District 3 Select all that apply.
County*:	Clark
Municipality/Town/City*:	Henderson
Environmental Compliance	
See page 10 of the RTP Handbook for more information.	
Does not apply to Planning or Education projects with no ground dis	turbing activities.
Is a Federal agency involved in this project as an applicant, partner, o	or landowner?
Federal Agency*:	No
If yes, environmental clearances have likely been completed for your Please indicate which NEPA document was produced.	project area.

Please attach the document to this application.

#### **NEPA Document Produced:**

NEPA Document: Historic Resource Compliance Please provide the following information:

Describe the extent of ground disturbance for this project. Specifically, describe the length, width, and depth of the most significant instances of excavation/digging.

#### Ground Disturbance:

Clearing of ground cover will be necessary in areas where trail does not exist. It is not anticipated excavation will occur in those areas, only displacement of surface material. Some existing trail alignments may require adjustment to standardize the trails and provide a safer user experience. Minor excavation may be necessary at structural treads to provide the depth necessary to lay larger rocks. structural treads will be 24" deep by the width of the drainage area plus 12" on each side.

Describe both current and past uses of the project area.

#### Project Area Use:

The project site for Summit trail is open land. The area is undisturbed natural environment. Hikers utilize the area and have created social trails on the project site. The project will prevent further social trails and disturbances to the natural environment by creating a distinct trail for hiking and mountain biking.

Maps

Named Attachment	Required	Description	File Name	Туре	Size	Upload Date
General location map (showing project area within the state and/or county)		General Project Area Map	210812 General Project Area Map.pdf	pdf	528 KB	10/11/2021 03:22 PM
Topographic map with project boundary and map name (7.5 minute series quadrangle, 1:24,000 scale)		7.5 Minute Map	210812 7.5 Minute Map.pdf	pdf	5 MB	10/11/2021 03:22 PM
Detail map indicating specific project elements (e.g., structures, trail alignment)		Trail Aignment Map	210812 high point map.pdf	pdf	178 KB	10/11/2021 03:22 PM

#### Photos

Description	File Name	Туре	Size		Upload Date
Figure 1	Photo 1.PNG	PNG	731 KB		10/11/2021 03:22 PM
Figure 2	Photo 2.PNG	PNG	651 KB		10/11/2021 03:22 PM
Shape Files					
Description	File Name		Туре	Size	Upload Date
	No files attached.				
Authorization					
Authorized Individual*:	Shari Ferguson First Name Last Name				
Title*:	Director of Parks and F	Recreation			
Agency/Organization*:	City of Henderson				
RTP Application - MOTORIZED & DIVERSE PROJECTS/PLANNING PROJECTS					
Project Description					

Standards/Guidelines Applied to Project*:	AASHTO?s Guide for the Development of Bicycle Facilities
If Other, Please List:	
List all permits required to complete project.	
Permits:	
The City does not anticipate any permits required due to the na	ature of the project. No vertical structures or utilities are part of the project.
Does the project include a paved bicycle path?	
Bicycle Path*:	No
Plan Title:	
Has the applicant received funding from the Recreational Trails Prog	gram in the past?
Past Funding*:	Yes
Number of Projects Funded:	3
Amount of Funding Received:	\$376,274.00
Number of Projects Completed:	3

#### Project Narrative

## **Project Need**

Describe how this project fits with current community development plans.

#### Current Plans\*:

The City of Henderson Open Space and Trails plan was adopted in 2005. The plan identifies the Black Mountain Regional Preserve as an opportunity area for growth and economic prosperity. Convenient, yet controlled, public access to Black Mountain is critical to the success of this regional opportunity. Further, the plan has a stated goal of providing access to public lands. The location of the trail will provide a transition from City of Henderson trails to Bureau of Land Management (BLM) trails. This connection will increase the community's ability to access outdoor recreation. By constructing a soft-surface trail in this area, this project supports the plan's stated priority of constructing and maintaining a variety of open space types. The Open Space and Trails Plan prioritizes development that respects the natural environment while disturbing the least amount of area as possible. This project utilizes existing social trails and will be designed to reduce runoff during storm events to minimize disturbances to the natural environment.

Describe the project?s ability to enhance recreation options for an underserved area or population. ?Underserved? is defined as an area or population with inadequate services, facilities, and/or a lack of access to recreation opportunities.

#### Underserved Area or Population\*:

The City of Henderson's trail system is comprised of 180+ miles of trails, however only 29 miles are soft surface trails suitable for mountain biking and hiking. Summit Trail will be the fourth mountain biking/hiking trail system in the City's inventory, and only the second within City limits. The location of the proposed trail is heavily used by recreation enthusiasts to access breathtaking views. The construction of this trail will provide a safe and clear path to the summit and will dissuade the public from creating their own trails and harming the natural environment.

### **Project Quality**

Describe project schedule(s) and contingency plans.

#### Schedule and Plans\*:

Upon award of the grant, the City of Henderson will submit National Environmental Policy Act clearance and National Historic Preservation Act cultural clearances/Section 106 review. After receiving approval to proceed, the City will prepare a contract with Great Basin Institute (GBI) for construction of the trail. The construction of the trail is anticipated to be completed in no more than eight weeks and will commence in the fall of 2022.

Describe the confirmed partnerships for this project.

#### Partnerships\*:

The City of Henderson is partnering with the Great Basin Institute to construct Summit Trail. The Great Basin Institute (GBI) is an interdisciplinary field studies organization that promotes environmental research, education, and conservation throughout the West. The GBI operates The Nevada Conservation Corps (NCC), a federally funded AmeriCorps program. The NCC provides valuable resource management services in the form of restoration crews and conservation internships, while providing professional development for youth, veterans and others seeking careers in conservation and land management. The NCC's Restoration Crew will provide labor and equipment necessary to construct Summit Trail. This partnership allows the construction of the trail below market rate, which is an efficient use of taxpayer funds.

Describe the nature and extent of public engagement with this project and what is being done to mitigate any concerns conveyed by the public.

#### Public Engagement\*:

The Black Mountain Nature Preserve feasibility study (completed in 2010) called for this area to remain natural, acting as a buffer for the Sloan Canyon National Conservation Area. The community was in support of the natural environment proposed. It was well received and provides opportunities for area schools to have field trips when the master plan area is completed. The final master plan is sensitive to the existing neighbors with the location of trails and amenities, while promoting outdoor recreation and conserving the land. The City of Henderson posts information for all upcoming projects and has a system in place for anyone wishing to provide input on a project. The Summit Trail project information will be available for public viewing and comments can be submitted to the city through the Contact Henderson application on the City's website.

Describe the implementation of best practices in each phase of the project (e.g., planning, budgeting, construction, etc.).

#### Project Phases\*:

During the planning process, great care was taken to utilize the existing social trail alignment for the permanent trail. This methodology limits the disturbance of the land to only where new trail or trail connections require establishment, or where the existing trail cannot meet City standards. Additionally, trail remediation will take place in the future where existing social trails require removal. The trail will be graded in a way so drainage will run off the trail, not down the trail itself, preventing washout and maintenance issues.

The City is working with Great Basin Institute (GBI) on this project to best utilize public funds. Not only is GBI an affordable service, but an organization with extensive trail-building experience. GBI's ability to understand the lay of the land as it relates to trail construction will provide an exceptional final product for the public. Utilizing their expertise maximizes the cost benefit for each segment of trail constructed or improved.

How does the project promote sustainability goals and principles (e.g., social, environmental, economic) in the design criteria?

#### Sustainability\*:

Summit Trail promotes social sustainability goals and principles by supporting the City's comprehensive plan, Henderson Strong. One of Henderson Strong's key visions for the future is healthy, livable communities. Henderson Strong specifically prioritizes opportunities for regular physical activity in a safe, clean environment, with easy access to adjacent natural environments. By providing opportunities for regular physical activity, residents experience positive health outcomes and community interactions.

Environmental stewardship is part of our civic consciousness and municipal responsibility. Per the City's Open Space and Trails plan, Henderson seeks to integrate steep slopes, washes, and drainage facilities into future development as natural, open areas to protect and preserve these natural resources for future generations.

Economic impact on residents within our City due to COVID-19 has been significant. Providing an opportunity for outdoor recreation that is free and open to the public is an important aspect of parks and recreation programming, which this project supports.

#### Alignment with Nevada?s Recreation Goals

How will the project contribute to the maintenance and/or rehabilitation of existing outdoor infrastructure?

#### Existing Outdoor Infrastructure\*:

The public has established social trails throughout the project site. Portions of these unofficial trails are unsafe and duplicative in nature. This trail will align and repair the social trails to meet City of Henderson standards and create connections to existing neighborhoods. Once upgraded, the trail will be a part of the City's trail network and part of the routine maintenance plan. The Department follows a comprehensive maintenance manual. While the City understands social trails will always require attention, by memorializing trails and connections, this project will encourage use of the "official" trail and eliminate the need for future social trails.

How will safety be implemented in the design, maintenance, and management of the project?

#### Safety\*:

Safety is at the forefront of the design, maintenance, and management of all park projects. With the terrain, not only are there many opportunities, but there are also constraints. The trail will be moderate-to difficult in nature due to the mountainous terrain. The City's Fire and Police Departments provided input during the master plan process to ensure emergency access in the furthest reaches of the trail system.

How does the project increase connectivity between trails, facilities, or other locations?

#### Connectivity\*:

Summit Trail will have connectivity to the Amargosa Trail, McCullough Hills Trail, and Bureau of Land Management trails within the Sloan Canyon National Conservation Area. Trail users will be able to access Hidden Falls Park via Amargosa Trail.

#### How does the project engage youth?

#### Youth Engagement\*:

The City is excited to expand its outdoor recreation opportunities, part of which will engage youth through avenues such as programming, youth group events and expanding its therapeutic recreation programming, allowing participants to experience a different environment. Examples of programming include geocaching, sunset hikes, trash cleanups and dance hikes.

How will the project contribute (or otherwise complement) the development, maintenance, and/or management of new outdoor recreation facilities?

#### New Outdoor Recreation Facilities\*:

The project will contribute to new outdoor recreation facilities by adding a deficient amenity to the existing trail network, creating additional benefit to the public. The City anticipates being able to hold events and activities such as nature and nighttime hikes and even trail race events with the additional hiking trail miles. This project is located on City-owned land, which streamlines everything from planning to permitting for special events. The trail will be managed like all other City of Henderson trails: programmed, maintained, and used per City standards.

#### How does the project contribute to the economic vitality of its community?

#### **Economic Vitality\*:**

Outdoor recreation opportunities such as this can promote eco-tourism to draw interest from outside the community. Within the community, COVID-19 has shown the importance of outdoor recreation facilities and by providing more outdoor amenities for the public to use and feel comfortable in the environment. By increasing outdoor recreation opportunities, nearby residential neighborhoods benefit by being more attractive to potential homebuyers. Additionally, neighboring commercial and retail facilities will benefit from additional users in the area, increasing business.

How will the project contribute to the conservation and/or rehabilitation of water and habitat?

#### Water and Habitat\*:

There is no anticipated impact to water systems as part of this project. Water is planned to continue to flow in its current path of travel. If the trail is in its path, the design will direct water flow to the side of the trail for less disturbance.

Habitat is not anticipated to be disturbed for the social trails already existing. The trail builders have expertise in constructing trails around native habitat and will respect the desert.

The intent is to be as respectful to the natural environment as much as possible, with the least amount of disturbance. The City of Henderson recognizes the importance of protecting resources.

#### **Applicant History**

Summarize your organization?s grant management record. If your organization is new to grants, please summarize the organization?s project management record.

#### Grant Management Record\*:

The City of Henderson has a strong history of managing federal, state, and private grants. We have successfully implemented three previous Recreational Trails Program grants. In 2020, the Parks and Recreation Department managed 11 grants totaling \$2,117,579.10 in funding. We have a proven track record of successfully managing grant funds, ensuring compliance with all award requirements, and submitting required documentation in the final report to the grantor.

Describe your organization?s capacity to maintain facilities for the next 25 years.

#### Maintain Program\*:

Once constructed, Summit Trail will be added to the City's asset inventory and maintenance plan. The Parks division maintains over 180 miles of trails and is capable of maintaining Summit Trail for the next 25 years and beyond for safe public use.

#### Authorization

Authorized Individual*:	Shari Ferguson 11/01/2021 First Name Last Name Date
Agency/Organization*:	City of Henderson
Title*:	Director of Parks and Recreation

## Supporting Documentation

#### Supporting Documentation

Named Attachment	Required Description	File Name	Type Size	Upload Date
General location map (showing project area within the state or county)	Summit Trail General Project Area Map	Summit Trail General Project Area Ma	p.pdf pdf 528 KB	10/20/2021 10:42 AM
Topographic map with project boundary and map name (7.5 minute series quadrangle, 1:24,000 scale)	7.5 Minute Map of trail location	Summit Trail 7.5 Minute Map.pdf	pdf 5MB	10/20/2021 10:41 AM
Detail map indicating specific project elements (e.g., structures, trail alignment)	Map showing where the trail will be constructed.	210812 high point map.pdf	pdf 252 KB	11/01/2021 02:35 PM
At least two (2) overviews of the project area from different angles and distances	Summit Trail photos	Summit Trail photos.pdf	pdf 1 MB	10/20/2021 10:42 AM
Letter or statement certifying that the appropriate official has reviewed this project and approved of the property	Letter from City of Henderson	2021-10-26 Letter from City of Hender Summit Trail.pdf	son pdf 310 KB	11/01/2021 02:36 PM
Documentation certifying that the appropriate official has reviewed this project and meets their approval				
USACE 404 and/or other applicable permits				
Erosion and sedimentation control plan for stream crossings or general construction activities				
Copy of any building permits that may be required by the local township or statement perm not needed	nit			
Sewage disposal permit				
Transmittal letter				
Letter of Support	Letter of Support from Get Outdoors Nevada	Get Outdoors Nevada Letterhead 21NPecos.docx 2.pdf	pdf 108 KB	11/01/2021 02:37 PM
Additional Documentation				
Description File Name	Туре	Size	Upload Date	
No files attached.				

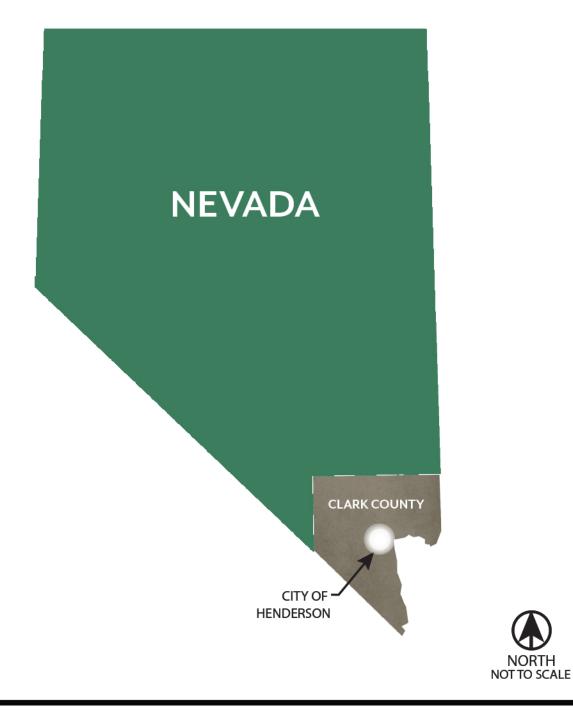
#### Percentages

## **Grant Request**

Federal Grant Percentage:	80.0%									
Match										
Federal Match Percentage:	0.0%									
Non-Federal Match Percentage:	20.0%									
TOTAL MATCH PERCENTAGE:	20.0%									
Design and Engineering Costs										
Description # of Units Unit Type Unit Cost	Total Unit Cost Federal Grant Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source				
No Data for Table										
Planning Costs for Match										
Description # of Units Unit Type Unit Cost	Total Unit Cost Federal Grant Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source				
No Data for Table										
Direct Labor (Salariaa ar Astual)										
Direct Labor (Salaries or Actual)										
Description # of Units Unit Type Unit Cost	Fotal Unit Cost Federal Grant Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source				
	No	Data for Table								
Lahan (Maluméran an Damaéra)										
Labor (Volunteer or Donated)										
Description # of Units Unit Type Unit Cost	Fotal Unit Cost Federal Grant Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source				
	No	Data for Table								
Equipment Purchase/Pent/Less										
Equipment Purchase/Rent/Lease										
Description # of Units Unit Type Unit Cost	Fotal Unit Cost Federal Grant Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source				
	No	Data for Table								

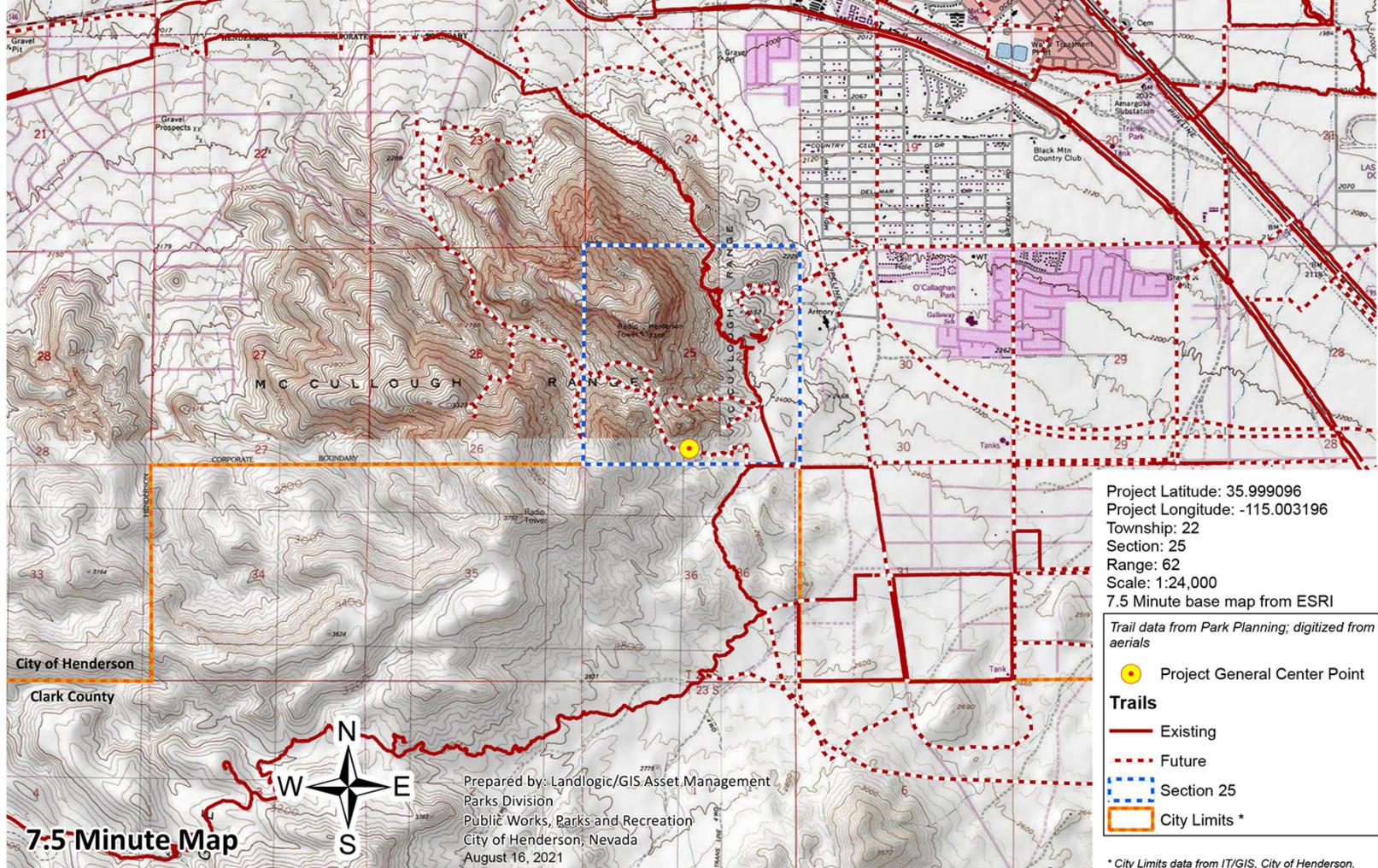
#### Contracts

Description		Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source	
Nevada Conservation Corps Restoration Crew Contract	5.00	4-day tour	\$4,452.00 \$	\$22,260.00	17,809.00	80.00	\$0.00	0.00	\$4,452.00	20.00	City of Henderson Operating Funds	
		:	\$4,452.00 \$	\$22,260.00	517,809.00		\$0.00		\$4,452.00			
Materials												
Description # of Units Unit Type Unit Cos	st Tota	al Unit Cos	t Federal G	Frant Feder	al Grant Per	centage Feder	al Match Fede	eral Match Percentage	Non-Federal	Match Non-Federal I	Match Percentage	Match Source
No Data for Table												
Eucl Vabiala Maintananaa & Trava	,											
Fuel, Vehicle Maintenance & Travel								Mith Development				Matal Oscilla
Description # of Units Unit Type Unit Cos	st lota	al Unit Cos	t Federal G	Frant Feder	al Grant Per	centage Federa	al Match Fede	eral Match Percentage	e Non-Federal	Match Non-Federal I	Watch Percentage	Match Source
						No Data fo	or Table					
Other Expenses												
Description # of Units Unit Type Unit Cos	st Tota	al Unit Cos	t Federal G	arant Feder	al Grant Per	centage Federa	al Match Fede	eral Match Percentage	Non-Federal	Match Non-Federal I	Match Percentage	Match Source
						No Data fo	or Table					
Totals												
Total Federal Grant Amount:			\$	17,809.00								
Total Federal Match Amount:			\$0	0.00								
Total Non-Federal Amount:			\$4	4,452.00								
Total Amount:			\$2	22,261.00								



# General Project Area Map Summit Trail

Nevada Recreational Trails Program



\* City Limits data from IT/GIS, City of Henderson.



Google earth feet km 1



Figure 1 - View of the trail as users start to climb in elevation



Figure 2 - View of trail and surrounding area as trail users ascend to the plateau of the trail

## Site Photos – Existing Conditions Summit Trail

Nevada Recreational Trails Grant



CITY OF HENDERSON 240 Water Street P. O. Box 95050 Henderson, NV 89009-5050

October 25, 2021

Ms. Heather Giger Park and Recreation Program Manager Nevada Division of State Parks 901 South Stewart St., Ste. 5005 Carson City, NV 89701-5248

RE: RTP Grant Program Application for Summit Trail

Dear Ms. Giger,

The City of Henderson is pleased to submit a funding request for the construction of Summit Trail for the 2022 Nevada Recreational Trails Program Grant.

This project will construct an approximately three-quarter mile long segment of natural surface trail that ends at a scenic viewpoint on Black Mountain. The City of Henderson's trail system is comprised of 180+ miles of trails, however only 29 miles are soft surface trails suitable for mountain biking and hiking. Summit Trail will be the fourth mountain biking/hiking trail system in the City's inventory, and only the second within City limits.

The project will not facilitate motorized activities on trails that have been predominantly used by nonmotorized trail users. As of May 1, 1991, motorized use has been prohibited. The project being submitted complies with Section 1302 (e)(2)(c) of the National Recreational Trails Act. In addition, the project will adhere to the City of Henderson Municipal Code Section 2.27.030.D, which states:

Motor vehicles, motorized skateboards. Motor vehicles shall be parked or operated only in designated areas. No motor vehicle shall be parked in any parking lot between the hours of 12:00 a.m. and 5:00 a.m. unless otherwise posted or approved by the director. No maintenance of a private motor vehicle is allowed in the park or parking lot other than in the event of an objective emergency. Only authorized motorized vehicles and electric personal assistive mobility devices are allowed at any time in any park, on park trails, pathways, or non-designated motor vehicle areas. No motor vehicles shall exceed a speed of 15 mph in any park, trail or recreation facility, unless otherwise posted. The use of permitted motor vehicles or electric personal assistive mobility devices may not interfere with safe operation of services, programs, or activities or create a substantial risk of serious harm to persons or to the immediate environment or natural or cultural resources in the park, trail or recreation facility.

I have read and agree with the requirements of the application, and I acknowledge the City of Henderson is responsible for the. The project would be maintained for a minimum of 25 years. We further understand the responsibilities involved if awarded the grant.

Thank you for your time and effort involved in reviewing the application for the 2022 Nevada Recreational Trails Program Grant. If you have any questions or concerns, please feel free to contact me at 702-267-4000. I look forward to presenting the project to the RTP Committee in December.

Sincerely,

artuguso

Shari Ferguson, CPRP Director of Parks and Recreation

cc: Amie Wojtech, Park Project Manager



October 27, 2021

Heather Giger Park & Recreation Program Manager Department of Conservation and Natural Resources Division of State Parks 901 S. Stewart St., Suite 5005 Carson City, NV 89701

Support for Summit Trail at Black Mountain

Dear Ms. Giger,

Get Outdoors Nevada proudly supports the construction of Summit Trail and the City of Henderson's application for the 2022 Nevada Recreational Trails Program Grant.

Get Outdoors Nevada is a non-profit organization whose mission is to connect Nevadans and visitors from all backgrounds and ages to the state's diverse outdoor places. Many of our efforts and programs focus on the needs and lives of families and school children, especially those who are at-risk and often have limited opportunity to experience the great outdoors. We empower residents and visitors alike by promoting options for healthy and happy lifestyles through outdoor adventures. We provide life-long learning S.T.E.A.M. programs for young children and older students that inspire studying the outdoors and are committed to preserving Nevada's public lands, urban trails, and community parks.

Summit Trail will create access for the public to enjoy Black Mountain as well as connecting trails in the area. This trail will enhance the outdoor recreation opportunities in Henderson with the addition of a soft surface trail to the City's trail network. This project respects the natural environment and will eliminate the destruction of the area from social trails and off-trail hiking and biking.

Sincerely,

chel Bergres

Rachel Bergren Executive Director