

Sevier County

Candy Mountain Whistle Stop Trailhead Plan

March 11, 2011

Project Partners

Sevier County

Utah State Parks

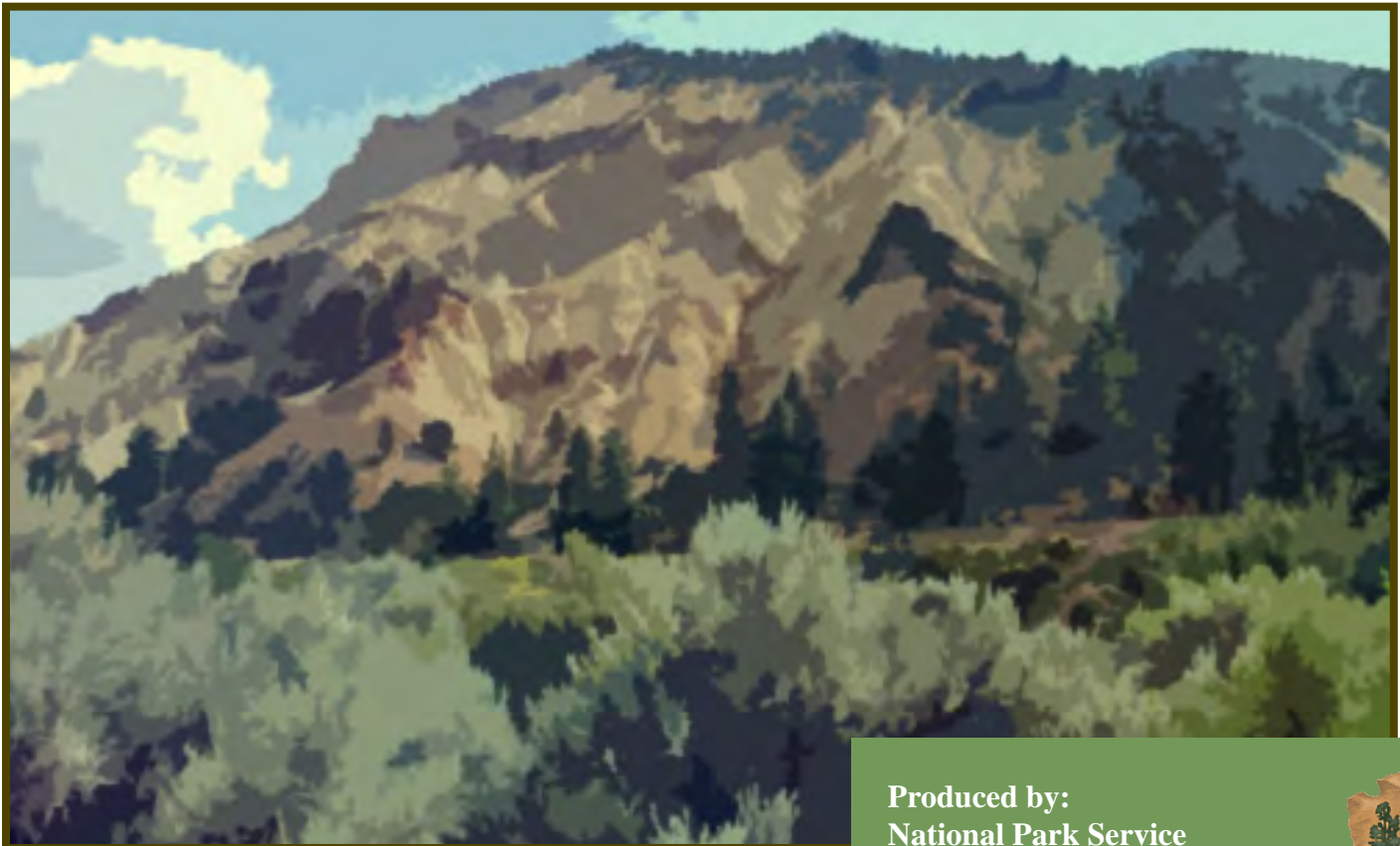
Mormon Pioneer National Heritage Area

National Park Service
Rivers, Trails, and Conservation
Assistance Program

Panoramaland RC&D

Scenic Canyons Preservation Society

Six County AOG



Produced by:
National Park Service
Rivers, Trails, and Conservation
Assistance Program



Table of Contents

	<u>Page</u>
1) Introduction	2
2) Partners	3
3) Vision, Goals, & Objectives.....	4
4) Trailhead Design Concept Site Plans	6
5) Trailhead Sign Plan - Introduction.....	9
5.1) Site Entrance Sign	10
5.2) Information Kiosks.....	13
5.3) Trailhead Wayfinding.....	14
5.4) Trail Markers.....	15
5.5) Sign Location Layout.....	17
6) Phasing	18
7) Potential or Existing Funding Sources	19
8) Contact List	20

Introduction

Big Rock Candy Mountain is located at the south end of the Candy Mountain Express Bike Path. It is a popular launch for river rafting, and also provides a connection to the Paiute ATV trail system. For these reasons it is an ideal location for a multiple-use trailhead.

Through a private land donation by David Grow and support from the Mormon Pioneer National Heritage Area, Sevier County was able to secure a grant from the Utah State Parks Trails and Pathways Program. They have also received funding for a restroom facility from the Utah State Parks Off Highway Vehicle Program. This funding has positioned Sevier County to create an exciting multiple-use trailhead that serves bicyclists, hikers, off highway vehicle (OHV) riders, and river rafters.

The National Park Service's Rivers, Trails, and Conservation Assistance Program (RTCA) assisted Sevier County in planning for the Candy Mountain Whistle Stop Trailhead by assisting in developing a private and public partnership and facilitating meetings with a wide variety of partners to develop a clear vision, and specific goals and objectives. They have also provided conceptual site design plans and a sign plan for the area. This document presents the results of this planning effort.

Partners

RTCA helped assemble a group of private and public partners to provide input and assistance in this planning effort. This planning effort was aimed at creating recreational opportunities on public lands. The primary partners in this effort included: Sevier County; Mormon Pioneer National Heritage Area; Scenic Canyons Preservation Society; and the Panoramaland RC&D.

This group also received valuable input into the planning process from both the Bureau of Land Management, the United States Forest Service, and the Six County Association of Governments.

Vision, Goals, & Objectives

The Whistle Stop Trailhead Vision, Goals and Objectives were developed by the project partners with assistance of the National Park Service, Rivers, Trails, and Conservation Assistance Program. This document provides Sevier County a framework for short and long term implementation and management for the trailhead area.

Vision Statement:

Create quality experiences through partnerships for recreating public to interact with the land and unique yet diverse cultural, historical and recreational resources through multiple interpretative and recreational opportunities.

Goals and Objectives:

Education Goal

- 1) Provide interpretation on transportation routes including trail systems, historical railroads, river systems, colonization efforts, Native American imprints, pioneer history, and mining.

Objective:

- Create consistent interpretive signs with one theme and a few sub-themes, which explain the importance of the Candy Mountain Whistle Stop Trailhead located in the Mormon Pioneer National Heritage Area (MPNHA).
- As visitors travel through the area, they will recognize they are in a special place and will feel a sense of continuity, recurring themes, and a consistent message reinforced by brochures, kiosks, and signage throughout the MPNHA (refer to MPNHA Plan page 81).
- As visitors travel through the area, they will recognize they are in a special place and will feel a sense of continuity, recurring themes, and a consistent message all reinforced by interpretive signage. The estimated cost for a consultant to develop interpretive and informational text is \$7,000. Funds through grants or the partnership will pay for the fabrication of the signs estimated at \$10,000.

- 2) Develop a Site Rehabilitation and Planting Plan for the trailhead and immediate vicinity.

Objective:

- The Panoramaland RC&D and the UT Department of Wildlife Resources will create a site rehabilitation and planting plan to minimize weed establishment and apply to the County Weed Management Area (CWMA) to help fund the plan and signing that incorporates weed education by June 2011.

Safety Goal

- 1) To safely integrate motorized and non-motorized use through a trailhead design and placement of signs.

Objective:

- RTCA will complete a sign plan including directional and informational (kiosk) sign placement and include types of signs to purchase to both direct and inform visitors about appropriate types of recreation uses and safety by March 11, 2011.

Recreation Goal

- 1) To provide an aesthetically pleasing multi-use gathering area.

Objective:

- Partners will agree on a site plan that RTCA will complete for the Candy Mountain Whistle Stop Trailhead by March 11, 2011.

2) Create quality experiences through partnerships for the recreating public to interact with the land and unique yet diverse cultural, historical and recreational resources through multiple interpretive and recreational experiences that will encourage economic development.

Objectives:

- Partners will agree on site and trail maintenance. A Memorandum of Understanding will be drafted by Sevier County and agreed upon and signed by Sevier County and the Paiute ATV Trail Committee.
- Sevier County will obtain an easement or Right-of-Way (ROW) for the trails leaving the County trailhead and connecting to public lands. The ROW will be drafted by the County with the County and private land owners signing and recording the easement by March 31, 2011.
- The private land owner will obtain a native seed mix using a standard BLM or USFS native seed mix to place on the area originally cleared for the placement of the restroom before the location was moved closer to the trail access.

3) Provide information about recreation opportunities located in MPNHA near the Whistle Stop Trailhead.

- A wide array of activities will be offered to augment and enrich visitor stays in the MPNHA (refer to MPNHA Plan page 103).

Health Goal

1) Encourage physical activity on the trails.

Objectives:

- Partners will encourage and support non-motorized recreation and events like the Big Rock Candy Mountain Triathlon that occurs annually in July.
- The Health Department, Sevier County, MPNHA, and Richfield City will encourage visitors and residents to use the non-motorized Candy Mountain Express trail system with over 14 miles of paved trail, and the motorized Paiute Trail system when providing information about recreational opportunities in Sevier County. The Health Department, County and City will begin providing information when the trailhead is completed in July 2011.

Economic Development & Tourism Goal

1) Attract and encourage visitors to stay longer in Sevier County.

Objective:

- Increase visibility of the area through the MPNHA website and the Sevier County visitor guide.
- Visitors will recognize the trailhead is located in the MPNHA and will obtain information about accommodations near the trailhead.

Trailhead Design Concept Site Plans

RTCA has prepared the following design concept site plans to assist in the current development plans and assist in future planning efforts. These site plans include recommendations for elements that are already planned and suggestions for future amenities. The Design Details sheet presents examples of recommended amenities and the Trailhead Features sheet presents more specific site information and construction recommendations.




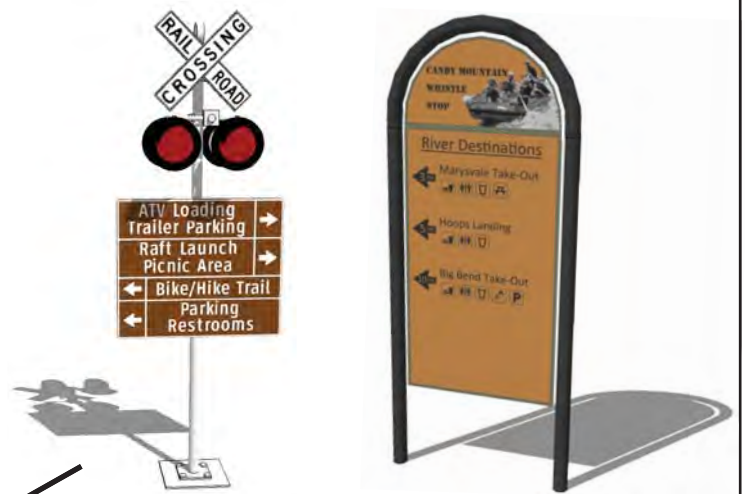
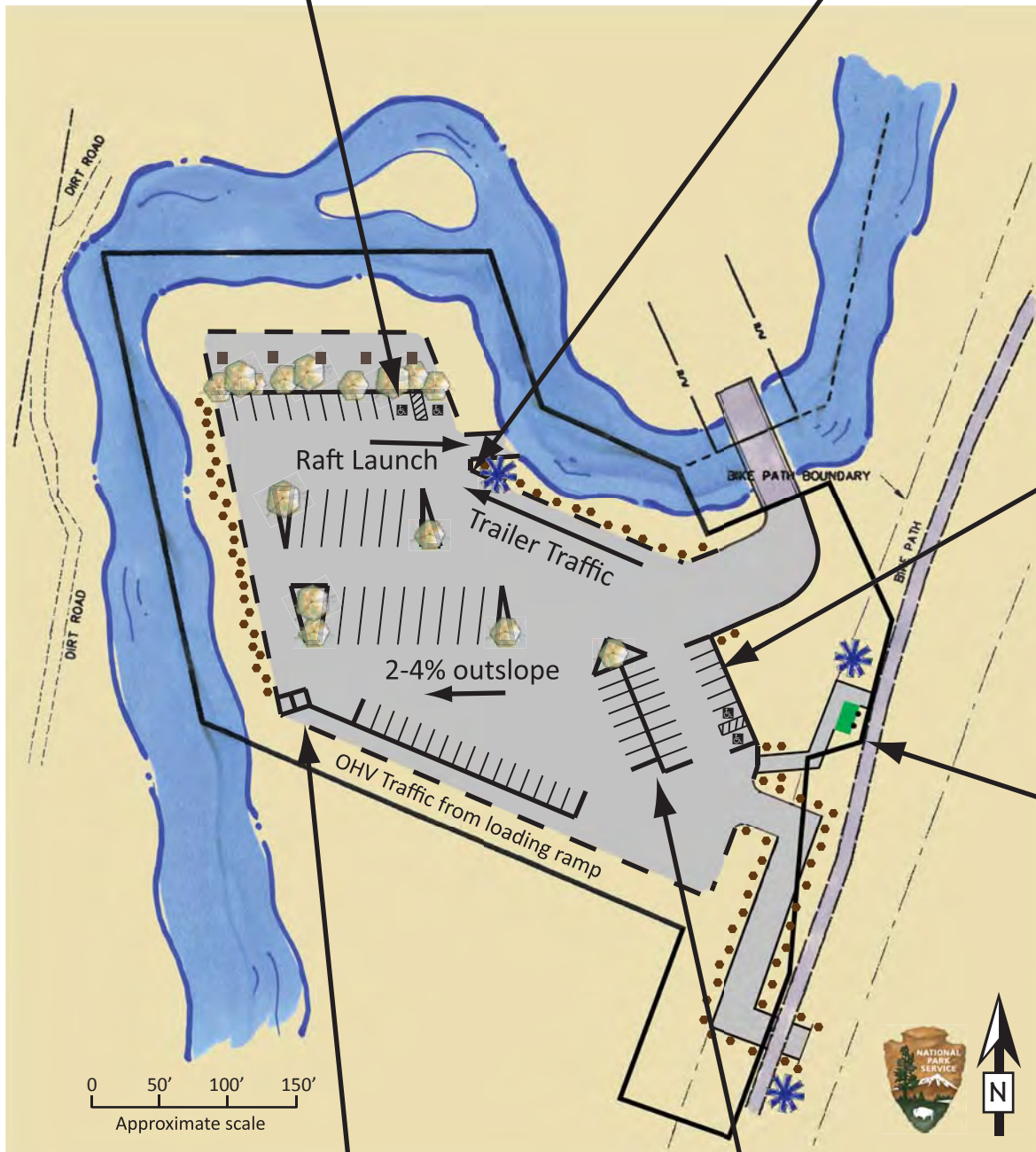
Native shade trees planted around picnic areas and in parking lot islands. Will require supplemental irrigation for 1-2 growing seasons.



Raft launch/take out



Parking lot bordered with boulders to protect riparian area.  - boulders



Directional wayfinding signs. Destination, mileage, and permitted use information. Signs specific to designated uses.



Vault Toilet - CXT Tioga w/chase funded through UT State Parks




OHV Loading Ramp. Two levels for different height truck beds.



Parking bordered by some type of environmentally friendly material. Individual stalls not marked.



 Kiosk Locations

Informational Kiosk - 3 required. One each for OHV users, Paved trail users, and Sevier River users.





Trailhead features

Parking:	4	ADA Parking
	46	Standard Parking
	16	Pull through Parking
Restroom:	CXT Tioga w/chase	
	ADA accessible	
	Dual vault	
OHV facilities:	OHV dual-height loading ramp	
	Informational kiosk	
	Trailer parking	
Other facilities:	Trailer accessible raft launch	
	Picnic facilities	
	Boating informational kiosk	

Construction Recommendations

- Minimum boulder size 3', recommended boulder size 5'
- Outslope parking lot 2-4% to the West for proper drainage
- Recommend 10' paved path as shown to edges of bike path ROW and to the restroom facility. This will eliminate gravel on the bike path as OHV users enter and exit the parking lot.
- Installation of native shade trees per recommendation from Panoramaland RC&D planting plan, with temporary irrigation for at least 2 seasons.
- Restroom final location to be determined by Utah State Parks



Candy Mountain Whistle Stop Trailhead Features

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Trailhead Sign Plan- Introduction

There is a need to delineate recreation opportunities through signs at the Candy Mountain Whistle Stop Trailhead to clearly identify access locations for a variety of recreation uses including motorized and non-motorized trails and a boat launch. The use of signs will enhance the safety, comfort, and navigation of the trailhead users. Establishing a sign hierarchy will guide the various user groups from Highway 89 to the parking area and then to their recreation destinations.

Sign Hierarchy:

- 1) Trailhead Entrance Sign
- 2) Informational Kiosks
- 3) Trailhead/Immediate Area Wayfinding
- 4) Directional/Use-Type Trail Markers

Trailhead Entrance Sign:

The primary purpose of the entrance sign is to provide direction to the trailhead, it also indicates the types of recreation for which the trailhead is designed, including: Off Highway Vehicle (OHV), Raft/River use, and Bike/Hike use. Compliance to standards of Utah Department of Transportation (UDOT), U.S. Department of Federal Highway Administration, Manual on Uniform Traffic Control Devices (MUTCD) and the Standard Highway Signs and Markings (SHSM) Book will be necessary. These standards can be found at the following websites: <http://www.udot.utah.gov>, <http://mutcd.fhwa.dot.gov/index.htm>, and http://mutcd.fhwa.dot.gov/ser-shs_millennium.htm (see page 10).

Informational Kiosks:

Three kiosks will be located at the trailhead and each kiosk will correlate with a specific user type: OHV, Raft/River use, and Bike/Hike use. The purpose of three distinct kiosks is to appeal to the comfort of each user group and to help promote the multiple programming of the trailhead. Each kiosk will provide information that is directly applicable to that use, including trail maps or the river launch location. This will aid in the organization of information designed specifically for that recreation use.

Trailhead Wayfinding:

The trailhead wayfinding sign will provide three types of information: 1) name destinations, 2) direction to destinations, and 3) distance to destinations. These signs will quickly orient the user and aid in the readability of the maps at the kiosk and the site itself.

Directional/Use-Type Trail Markers:

Trail markers will identify the trail entrance location and the type of use the trail is designed to accommodate. Trail markers are traditionally recognized as fiberglass posts. These markers provide reassurance to the user that they are on the appropriate trail through the use of a numbering and naming system. They also reinforce recreation use types (motorized and non-motorized) that are appropriate for that particular trail.

Site Entrance Sign

The purpose of this sign is to direct highway users to the entrance of the trailhead as well as to provide information on the activities located at the trailhead.

U.S. Department of Transportation Federal Highway Administration Manual on Uniform Traffic Control Devices Sign Guidelines:

http://mutcd.fhwa.dot.gov/kno_2009.htm

Overview:

These national standards are used by all states and the Utah Department of Transportation (UDOT) references this manual in the Utah Department of Transportation Sign Manual. The Manual on Uniform Traffic Control Devices (MUTCD) contains the national standards governing all traffic control devices. This manual ensures the safety and uniformity of signing systems in all applications related to public agencies and owners of private roads that are open to the public. Adherence to MUTCD is mandatory for the audience listed below and any non-compliance can result in federal-aid funding loss, as well as an increase in tort liability.

Intended Audience of MUTCD:

State and local highway agencies, public agencies, owners of private roads open to public travel, the insurance industry, law enforcement agencies, incident management personnel, maintenance personnel, academic institutions, private industry, and construction and engineering organizations.

Application to “Candy Mountain Whistle Stop Trailhead”:

The 2009 version of the MUTCD is the most current version for sign guidelines. *Chapter 2M. Recreational and Cultural Interest Area Signs* is the chapter that relates to the Candy Mountain Whistle Stop Trailhead. The MUTCD defines recreational or cultural areas as:

“...attractions or traffic generators that are open to the general public for the purpose of play, amusement, or relaxation. Recreational attractions include such facilities as parks, campgrounds, gaming facilities, and ski areas, while examples of cultural attractions include museums, art galleries, and historical buildings or sites.” (page 330)

The MUTCD identifies two different types of recreational or cultural interest signs: symbol signs and destination signs. The document states that guide signs can be used to direct persons to facilities, structures, and places, as well as to identify available services along the roadway. They can also be used to sign non-vehicular activities such as trails, structures and facilities (see Figure 1).

Figure 1. Examples of Recreational and Cultural Interest Symbol & Destination Signs



Chapter 2M Page 376

U.S. Department of Transportation Federal Highway Administration Standard Highway Signs and Markings

The Standard Highway Signs and Markings (SHSM) book provides specific design standards for the signs described in the MUTCD. This is also a federally recognized standard and is used by UDOT. This book provides dimensions and user specific symbols to be used on MUTCD signs. Below are potential symbols that can be used at the Candy Mountain Whistle Stop Trailhead. Using the guidance from the Manual on Uniform Traffic Control Devices Sign Guidelines and the Standard Highway Signs and Markings book, an example of an entrance sign was developed and is shown in Figure 3.

Figure 2. SHSM Symbol examples

ATV Symbol



RL-170
ATV

Page 3-112

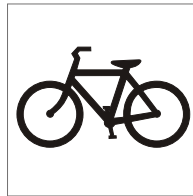
Launch Symbol



RW-170
HAND LAUNCH

Page 3-112

Bike Symbol



RL-090
TRAIL (BICYCLE)

Page 3-111

Restroom Symbol



RM-140
REST ROOM

Page 3-110

Figure 3- Proposed Entrance Sign



Information Kiosks

Overview:

The purpose of a kiosk is to provide the three primary user groups of the trailhead with information that is pertinent to that recreation group including OHV, Raft/River use, and Bike/Hike use. This will ensure that each recreation group knows that their particular activity is welcome at the trailhead and they are informed as to where their particular activity is permitted and encouraged.

Information on Kiosk Sign:

- Map of trail(s) related to the type of use with distances marked
- Trail difficulty level
- Safety information
- Interpretive information
- Trailhead partners

Figure 3. Proposed Kiosk Style:



Single-Panel Kiosk (#03-420)
62" W x 90" H x 62" D installed

Available from:
Rockart Signs and Markers
www.rockartsigns.com
Tel: 480-854-3400

Trailhead Wayfinding

Overview:

Once users enter the trailhead, it is important they know where various amenities and facilities are located in and around the area. Two styles of wayfinding signs are proposed for the Candy Mountain Whistle Stop. The first is an adapted Railroad Crossing Sign with wayfinding panel to be used in the parking area (see Figure 4). The second is an arch style sign from Rockart Signs and Markers to be used along the trail (see Figure 5).

Railroad Crossing Sign:

The Railroad Crossing Sign serves a wayfinding function as users enter the parking area. Since this trailhead serves multiple user groups, the parking area has a more complex design with designated areas for specified uses. For this reason, a wayfinding sign is necessary for navigation in the parking lot. The proposed design integrates the railroad theme through adapting a railroad crossing sign and affixing a wayfinding panel to the front.

Arch Sign:

The arch sign will facilitate wayfinding to users once they have left their automobile and are seeking directional information to various destinations via the trail system. Rockart Signs and Markers offers this style of sign. It will include direction information and will indicate distance to a particular destination.

Figure 4. Proposed Railroad Sign



Figure 5. Rockart Arch Sign Example



Included Information:

- Direction to Restaurant/Gas Station
- Direction/Distance to important points along trail
- Direction to Towns
- Direction/Route Number for OHV trails
- Raft Launch Site



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Trail Markers

Overview:

Candy Mountain Whistle Stop trails shall be marked with composite fiberglass posts available from several U.S. manufacturers listed below. These flexible and durable markers come in a variety of lengths (1' to 8'), are 4" wide (an industry standard), and provide a recessed surface for the application of 3" wide decals. The longer markers can be fitted with anchors to deter removal by vandals.

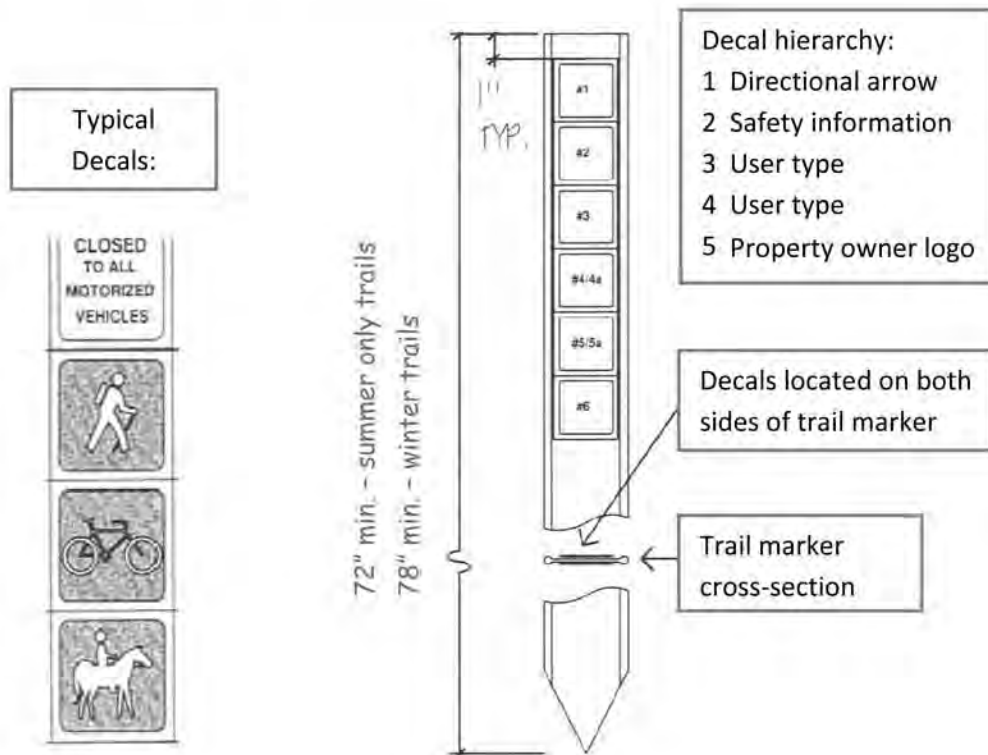
Potential Sources:

Rockart Signs and Markers	www.rockartsigns.com
Carsonite Composites	www.carsonite.com
Rhino Markers	www.rhinomarkers.com
Omega Marking Company	www.omegamarkingcompany.com

The information placed on these markers, in the form of decals or lettering, has many functions. Examples of the markers signs are shown below (see Figure 6). Their purpose is to achieve the following:

- Indicate the recreation use
- Identify the trail and/or trail segment
- Describe the accepted right-of-way hierarchy in which, for example, cyclists yield to runners and both yield to walkers and hikers
- Safety Information: Warn trail users of upcoming hazards
- Indicate the distance and direction to the trailhead or other designation
- Provide regulatory information when necessary

Figure 6. Typical Trail marking sign detail



Trail Markers (Cont.)

The following are the types of information the partners may provide when marking trails:

Directional

- Arrows showing the trail direction
- Colored or numbered markers that indicate trail routes within a system of trails

Informational

- Example: "Private property - please stay on trail"
- Example: "Seasonal closure"

Difficulty/Safety Warning

- Universal degree of difficulty symbols
- Example: "Steep incline"
- Safety messages – Example: "Watch for Falling Rock"

Reassurance

- Example: "Trailhead 1 mile" or "Trailhead" with an arrow pointing the way
- Colored or numbered markers that indicate trail routes within a system of trails
- Distance markers
- GPS location (longitude and latitude)

Regulatory

- Example: "Winter use only"
- Example: "Seasonal closure"

The sign location plan on the following page depicts recommended locations for the various types of signs designed for the trailhead area.



Site Entrance Sign

- Indicates Trailhead Turnoff Location
- Trailhead Name
- Trailhead User Groups



Sign design, construction, and installation to be coordinated with Utah Department of Transportation



User Group Kiosk

- 3 Kiosks, one per user group (OHV, Raft, Hike/Bike)
- Map of Trails related to use
- Trail difficulty
- Safety Information
- Interpretive Information
- Trailhead Partners

Single Panel Kiosk (#03-420)
Rockart Signs and Markers
www.rockartsigns.com
Tel: 480.854.3400

Parking Wayfinding

- Wayfinding upon arrival to parking area
- Direction of parking based on use
- Restroom and picnic area location



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Program

Trailhead Hierarchy

Signs at Candy Mountain Whistle Stop Trailhead are designed to enhance the safety, comfort, and navigation of the users of the trailhead. Through establishing a hierarchy of signage types, a sign plan can be successfully implemented that is accessible and inclusive of all the different user groups.



Trailhead Wayfinding

- Wayfinding to important destinations along trail/river
- Direction/Distance to destination
- Available facilities/amenities at destination



Arch Top Sign
Rockart Signs and Markers
www.rockartsigns.com
Tel: 480.854.3400



Candy Mountain Whistle Stop Trailhead Sign Plan

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Phasing

The conceptual site design plans contain elements that are currently funded and elements that will require additional funding. This necessitates a phased approach to the implementation of the Trailhead Plan. RTCA recommends the following phasing of the Candy Mountain Whistle Stop Trailhead project.

- | | |
|-----------|---|
| Phase I | Gravel Installation
Trailhead boundary delineation
Parking delineation
Boat launch
Railroad Crossing Wayfinding directional signs |
| Phase II | Implementation of the Rehabilitation Plan by Panoramaland RC&D |
| Phase III | Interpretative signage
Informational kiosks and additional wayfinding/directional signs |
| Phase IV | Additional recreational amenities including picnic tables, OHV loading/unloading ramp, shade structures, etc. |

Potential and Existing Funding Sources

Funding Source	Funding For	Due	Awarded	Possible Award
Utah State Parks - RTP	Funding Awarded for Trailhead Improvement	March 2011	\$65,825	\$65,825
Utah State Parks Boating Program	Boat Ramp	Anytime		Varies
Utah State Parks - RTP	Trailhead or Trail Improvement	May 2011		Up to \$99,000
Land and Water Conservation Fund - NPS Funding Provided to State to administer	Improvement of park like facilities such as picnic area or shade structures	October annually		Varies Usually \$300,000-\$400,000
Scenic Canyon Preservation Society	Trailhead Improvements	Provided	\$25,000	\$25,000
NRCS - RC&D and County Weed Management Area	Habitat Improvement/Weed Control/Interpretive Panels	Varies		Varies
Sevier County Travel & Tourism	Signage and/or trailhead amenities	N/A	\$5,000 in 2011 \$5,000 in 2012	
DWR - Watershed Funding	Vegetation Improvement for wildlife or fishery habitat or interpretive panels	January		Varies
Possible funding				Varies
Grants Awarded to Date			\$100,825	

Contact List

Last Name	First Name	Agency Representation	Email	Phone Number
DeMillion	Marcy	National Park Service Rivers, Trails, and Conservation Assistance Program	marcy_demillion@nps.gov	801-741-1012 ext. 125
Richley	Kenneth	National Park Service Rivers, Trails, and Conservation Assistance Program	kenneth_richley@nps.gov	801-741-1012 ext. 117
Bona	Monte	Mormon Pioneer National Heritage Area	montebona@hotmail.com	435-462-2465 ext. 104
Polelonema	Emery	Six County AOG	epolelon@sixcounty.com	435-893-0713
Huggard	James	Panoramaland RC&D	james.huggard@ut.usda.gov	435-896-8965 ext. 100
Falvey	Don	Panoramaland RC&D	donfalvey@yahoo.com	435-326-4268
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Arrington	Kevin	Sevier County	karrington@sevier.utah.gov	435-893-0457
Anderson	Jason	BLM/USFS	jason_anderson@blm.gov	435-896-1548
Grow	David	Scenic Canyons Preservation Society	davidgrow@hotmail.com	801-724-9921