



**Mt. Manitou Incline Update
Colorado Springs City Council
May 27, 2014**

The Manitou Incline:
a collaboration between the
Cities of Colorado Springs
and Manitou Springs

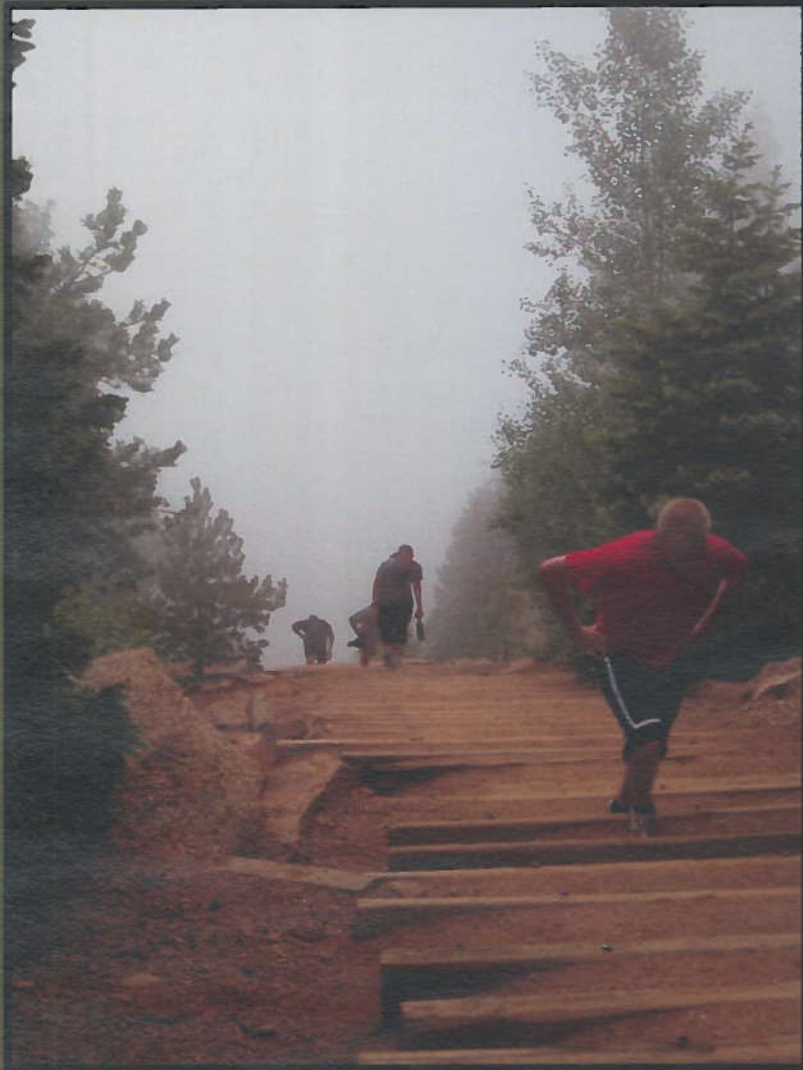
Incline History



■ Photos provided by
Joshua Frieseman

- 1907: 1-mile cable tram completed to haul pipeline and materials for hydroelectric plant
- 1923: Purchased by Spencer Penrose
- 1990: Operations as the Mt. Manitou Scenic Railway end, rails removed
- 1994: Manitou Springs' Rainbow Vision Plan- "Reclaim Incline"
- 2003: Incline Club Feasibility Plan
- 2010: Chiropractor incident: "perfect storm"
- 2011: Site Development and Management Plan endorsed by owners, adopted by Cities
- 2012: Intergovernmental Agreement entered into by both Cities
- 2013: Incline was Legalized for Recreational Use

Incline Facts



- 1 mile trail
- 2,011 foot elevation gain
- 43% average grade
- 68% steepest grade
- 2,741 railroad ties
- 375,000 estimated annual trips
- Average EMS call: 4-6 hours

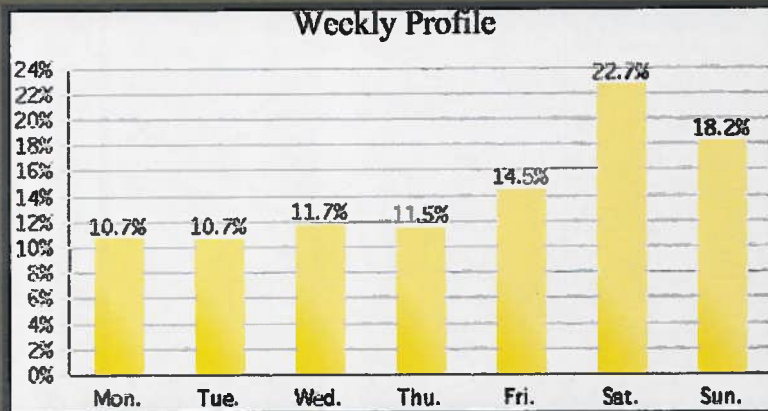
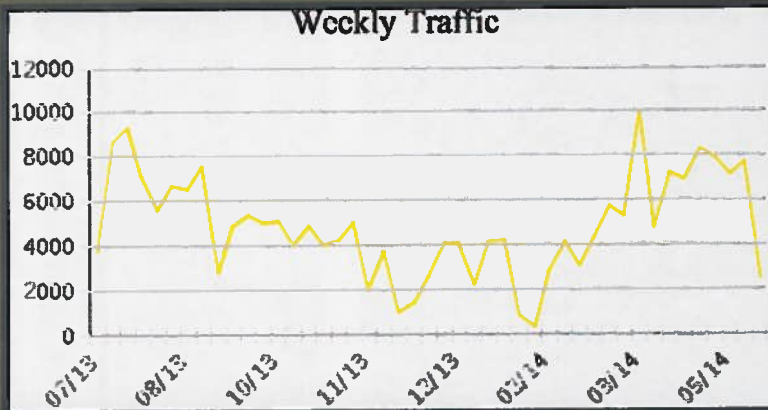
Incline Users - ~220,000 Trips



- Athletes / Olympians
- Military
- Visitors/Tourists
- Residents



Counter Information

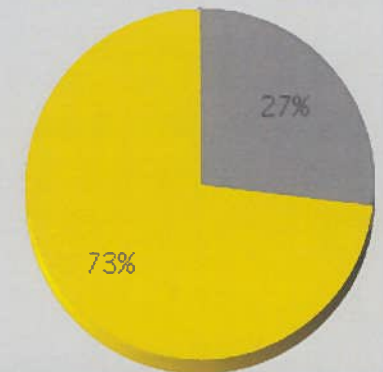


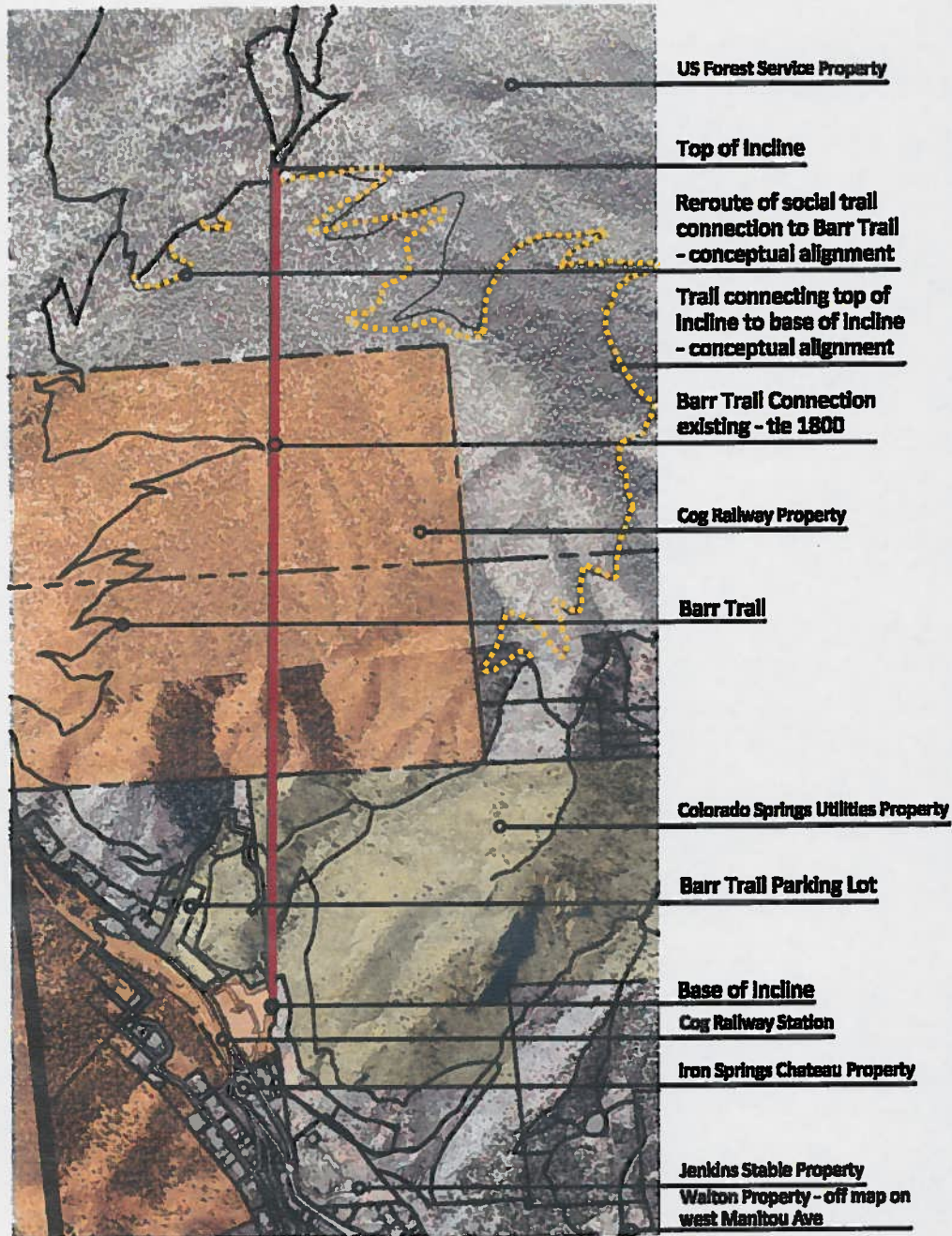
Key Figures

- Total Traffic for the Period Analyzed: 219,324
- Daily Average : 717
- Monthly Average: 19,939
- Busiest Day of the Week : Saturday
- Busiest Days of the Period Analyzed:
 1. Saturday 03 May 2014 (2,391)
 2. Saturday 26 April 2014 (2,359)
 3. Saturday 12 April 2014 (2,300)

• Distribution by Direction:

- Incline Uphill Traff... : 73%
- Incline Downhill Tra... : 27%





Site Map & Project Partners

- US Forest Service
- Manitou and Pikes Peak Railway Company
- Colorado Springs Utilities
- City of Colorado Springs
- City of Manitou Springs

Identifying the Need

- 20 Years of unmanaged, prohibited use has resulted in:
 - Increased usage, significant erosion, dangerous trail conditions, parking/congestion issues and user conflicts
- Ownership of the Incline
 - private, public utility and federal government
- Jurisdictions
 - City and County
- Liability
- Emergency response
- Traffic and parking
- Trails and trailheads
- Funding
 - Incline repair and maintenance
 - Operations, management and marketing



Overview of Planning Process

Identified the key stakeholders

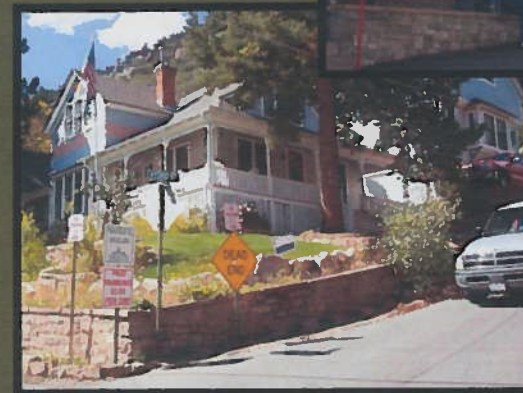
- Authorities: property owners, City Councils
- Daily lives are directly affected: neighbors and users
- Generalists: residents of both communities

Appointment of Task Force

- Method to ensure all perspectives were heard
- Responsibilities:
 - Identify project parameters
 - Promote public workshops
 - Review alternatives

The Planning Process

- Principle #1: Integrate technical analysis and lived experience
- Principle #2: Move from opinion to judgment

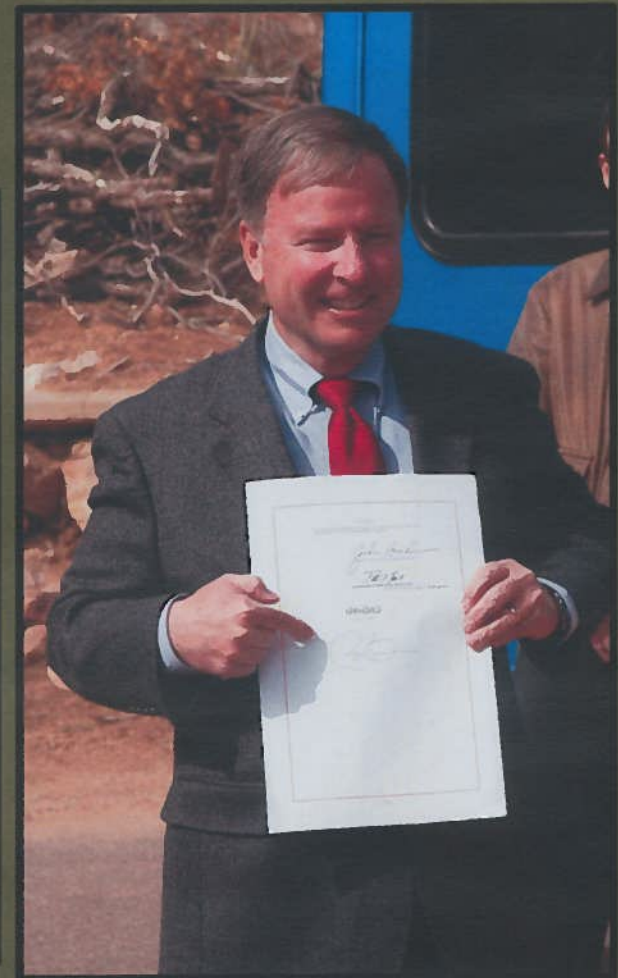


Previous Council Actions

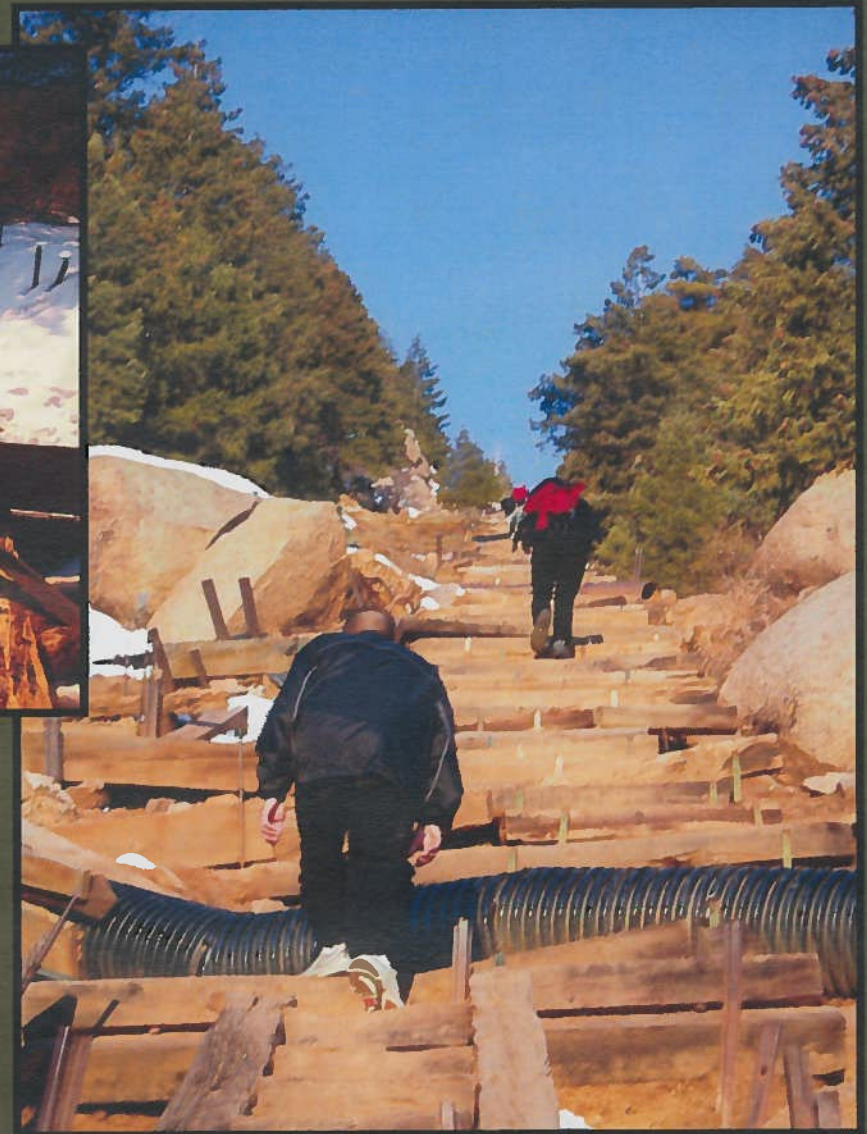
- Colorado Springs Resolution No. 177-09 Support of GOCO Planning Grant Application (August 11, 2009)
- Colorado Springs Resolution No. 33-11 Acceptance of Site Development Plan and Management Plan (February 22, 2011)
- Colorado Springs Resolution No. 40-12 Intergovernmental Agreement (February 28, 2012)
- Manitou Springs Resolution No. 0812 Intergovernmental Agreement (March 6, 2012)
- Manitou Springs Resolution No. 0713 Authorizing Recreational Use on the Incline (January 29, 2013)
- Resolution No. 13-13 Support of GOCO Local Government Grant Application (February 26, 2013)

Federal Railroad Act & the Incline

- H.R. 4073 sponsored by Congressman Doug Lamborn
- Supported by Senator Michael Bennet
- Signed by President Obama



Existing Conditions Inventory & Stability



- Every 25th tie
- 1 thru 2,741
- Photographed and GPSed each tie and side conditions:
 - Retaining walls, Culverts, CSU water pipe, artifacts
- Minimal to Severe Damage

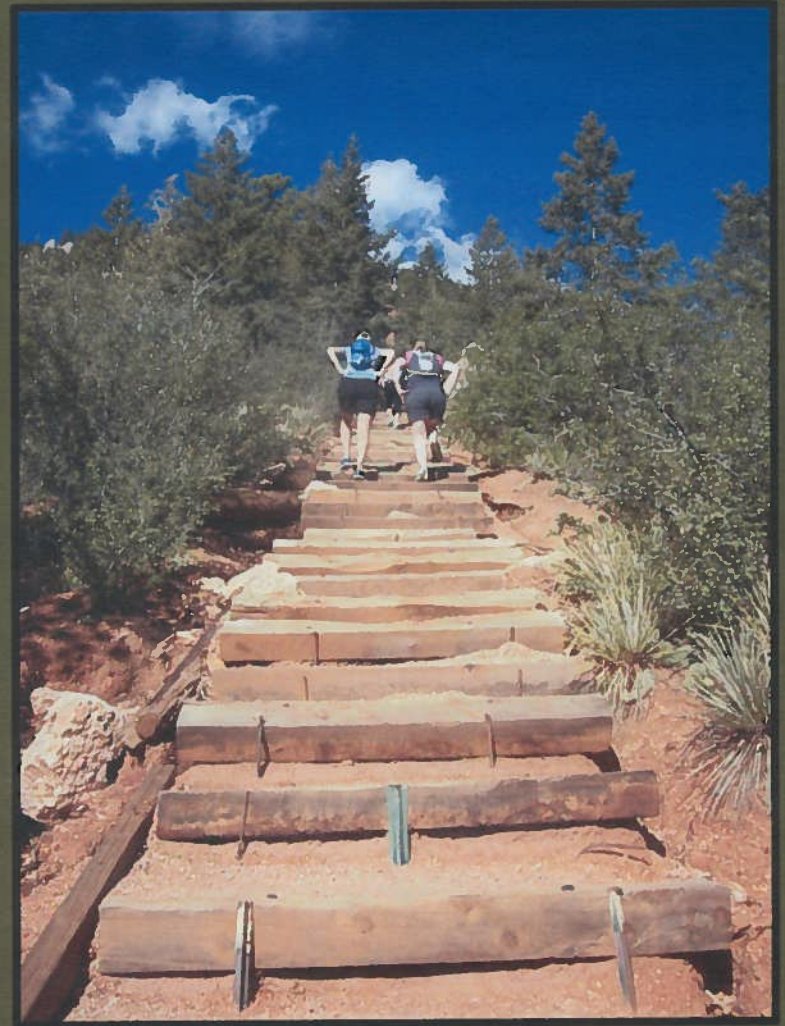
Minimal Damage

- Ties are parallel to grade
- Repair work suitable for volunteers
- Represents 46% of the Incline



Moderate Damage

- Ties are parallel to grade
- Work primarily suitable for contractors, limited work for volunteers
- Represents 32% of the Incline

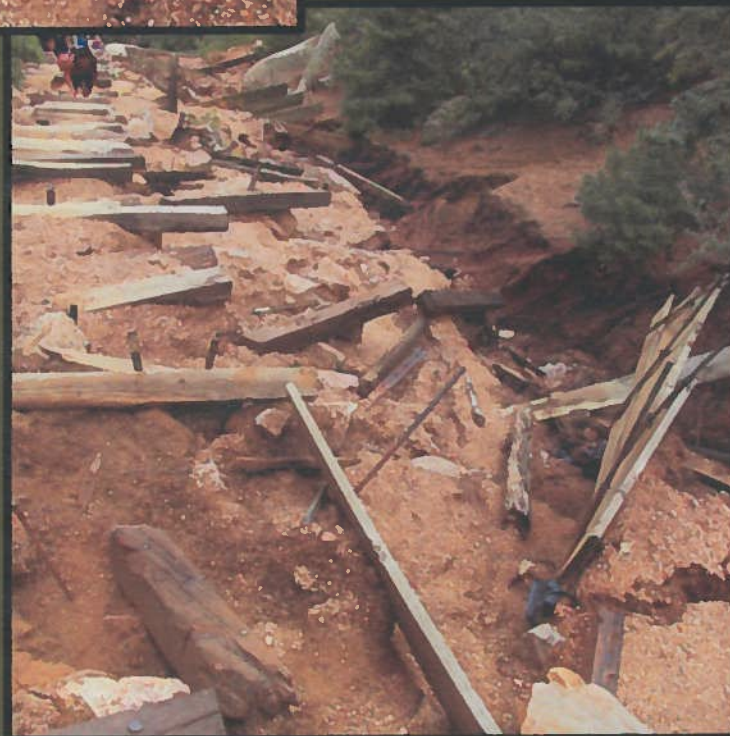


Severe Damage

- Ties not parallel to grade
- Extensive damage to ties and retaining walls
- Represents potentially the greatest threat to public safety
- Contractor work only
- Represents 23% of the Incline



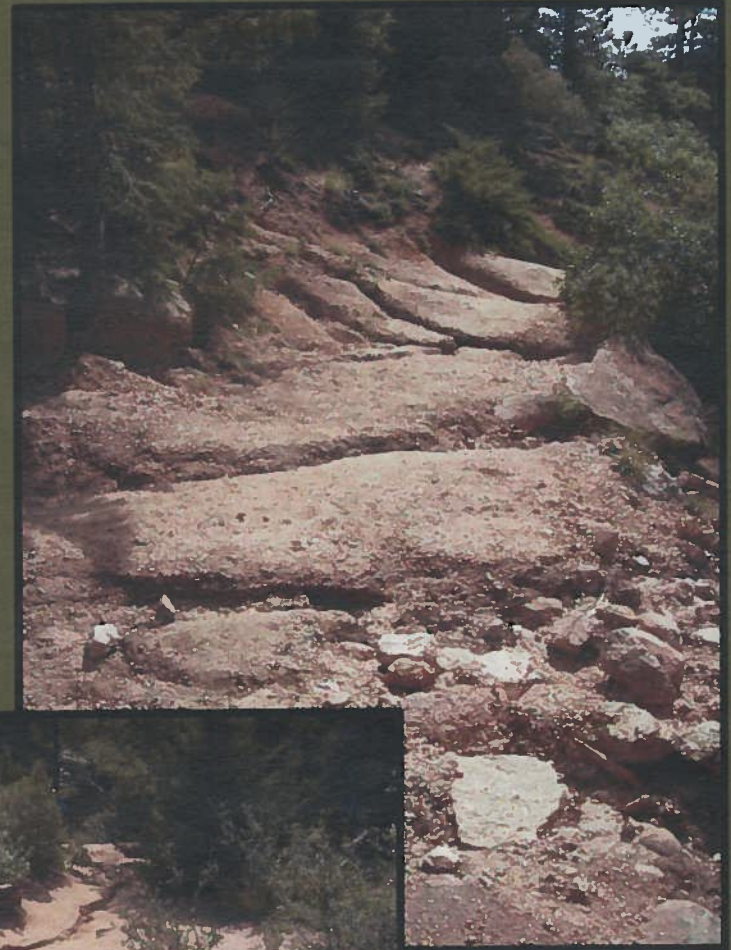
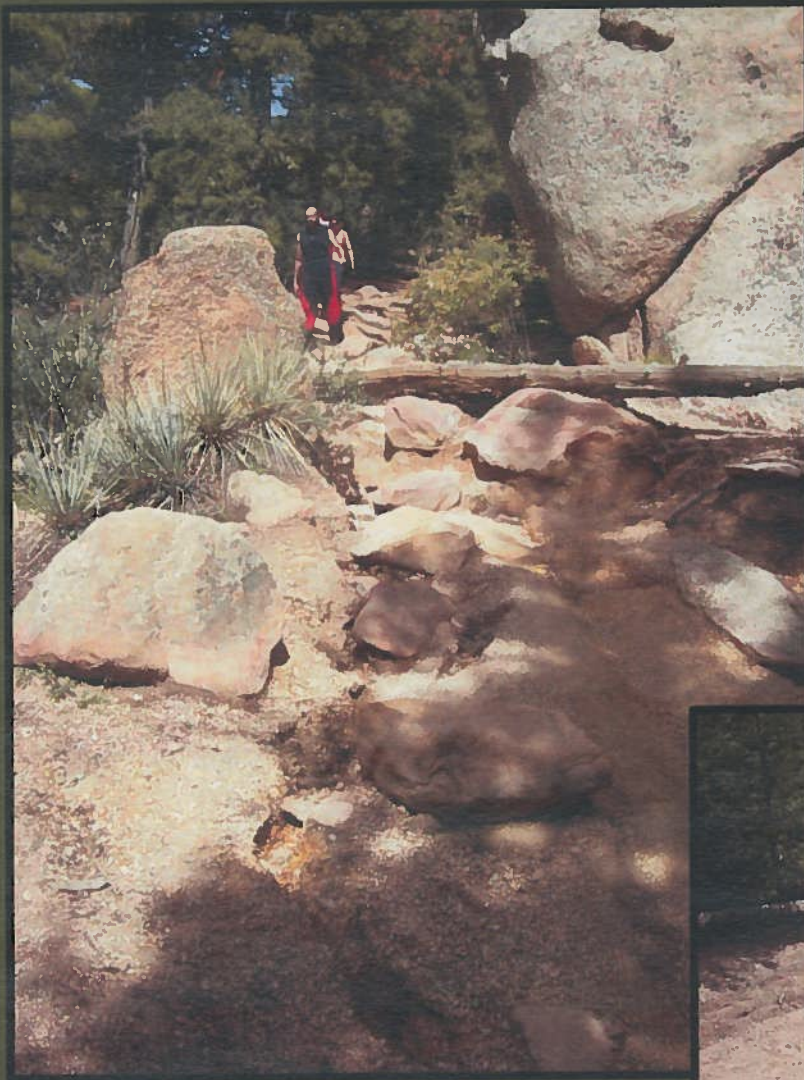
Severe Damage



Severe Damage



Connector Trail Damage



Next Steps: Construction

- Hired Enginuity Engineers, Inc. to complete the Construction Documents – 100% Complete
- Original Scope of Work: Severe Damage
- Revised Scope of Work: Severe Damage & Moderate Damage



Next Steps: Construction



Next Steps: Construction



Next Steps: Construction

- Compiling \$1.6 Million for Construction
 - FEMA
 - Great Outdoors Colorado
 - Colorado Springs Utilities
 - State Trails
 - City of Colorado Springs
 - City of Manitou Springs
 - Incline Friends



- FEMA
- Great Outdoors Colorado
- Colorado Springs Utilities
- State Trails
- City of Colorado Springs - CTF Funding
- Incline Friends
- City of Colorado Springs - TOPS Program
- City of Manitou Springs - Barr Parking Lot Fund

Next Steps: GOCO Grant Acceptance

- June 10th City Council will be asked to accept the Great Outdoors Colorado (GOCO) grant:
 - *The Colorado Springs City Council hereby authorizes the expenditure of funds as necessary to meet the terms and obligations of the grant agreement and application.*
 - GOCO required cash amount is 10%; overall grant match requirement is 30%.

- Funding already appropriated for the Incline Enhancement Project
 - Trails, Open Space and Parks Program (TOPS) 2013 Appropriation: \$50,000
 - Conservation Trust Fund (CTF) 2013 Appropriation: \$80,000
 - At this time no additional funding is requested for this match





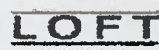








Next Steps: Public Outreach

- Media Outreach
 - Frequently Asked Questions
 - Trail Alternatives
 - Multi-Media Graphics

<u>Trail</u>	<u>Access Point</u>	<u>Level of Difficulty</u>	<u>Distance & Surface</u>
Barr Trail	<p>Parking, which is very limited shuttle use is strongly encouraged, is available only at the trailhead in Manitou Springs - off Ruxton Avenue near the COG Railroad Depot - or at the summit. Trail users should be aware of and be prepared for the possibility of sudden weather changes, especially near the summit. Lightning storms are frequent during the afternoon, so don't be caught above tree-line.</p> <p>There are several access points. Section 16 Access: Take Hwy 24 west to 26th Street, head south for 1.5 miles, then turn right on to Gold Camp Road to the trailhead on the west side of the road. Manitou, Iron Springs: Follow Ruxton west to the trailhead at Iron Springs. Manitou, Crystal Park Road: Head south on Crystal Park Road to the trailhead on the left, just before the Crystal Park private community. The Iron Mountain Trail will be completed during the summer of 2014, opening access on the Intemann Trail from Red Rock Canyon/Section 16 to Ruxton Avenue.</p>	Extremely Difficult, Steeper	12 miles one way, natural surface
Intemann Trail	<p>The recommended access point for the Intemann Trail on Ruxton Avenue is the Iron Springs trailhead in Manitou Springs. Follow signs from there up Spring Street, continuing past a gate and onto a fire road that doubles as the Intemann Trail. A half-mile from the trailhead is a sign identifying the Red Mountain spur.</p>	Moderate, generally hilly	
Red Mountain Trail		Difficult, Steeper	1 mile one way, natural surface
Ute Pass Trail	The access point is next to Tie #1 of the Incline. Take the trail to the right side of the Incline.	Moderate, generally hilly	
<u>Trail</u>	<u>Access Point</u>	<u>Level of Difficulty</u>	<u>Distance & Surface</u>
Saint Mary's Falls Trail (FS #624)	<p>Take N. Cheyenne Canyon Road to the trailhead above Helen Hunt Falls. Follow the closed section of Gold Camp Road a little over a mile, and past the tunnel, to the trail on the right. Follow the metal signs</p>	Difficult, Steeper	2.7 miles one way, natural surface
Pikes Peak: Devil's Playground Trail	<p>Take Hwy 24 west to Divide, then Hwy 67 north towards Cripple Creek. Turn left at the Rocky Mountain Camp, just past Mueller State Park. Turn in and drive 3.5 miles (go right at the Mennonite Camp) to the Crags Campground. Fee required.</p>	Extremely Difficult, Steeper	7.5 miles one way, natural surface
Palmer Park: Edna Mae Bennett Nature Trail	<p>One of the more difficult trails in Palmer Park, very rocky and has a number of rock steps and steep slopes. It connects to other park trails such as the Templeton Trail. The trailhead is at the Palmer Park entrance on Paseo Road, after the Reyner Stables</p>	Difficult, Steeper	0.75 mile loop, natural surface

Incline Friends

- Membership Drive
 - Discount Cards/Shirts
 - Informal Survey
 - 74% of Incline Users visit Manitou Merchants

 <p>Manitou Pool and Fitness Center 1x free swim or weight room use for two people.</p>	 <p>The Keg Half-off appetizer</p>	 <p>Twin Bears Embroidery and Printing 10% off any purchase</p>	 <p>Patsy's 10% off</p>	 <p>The Loft 50% 20 oz. smoothies</p>
 <p>Iron Springs Chateau 10% discount on all restaurant offerings</p>	 <p>Hell's Kitchen 10% off purchase</p>	 <p>The Loop \$1 off margarita or \$1 off any draft beer</p>	 <p>Heavenly Squeeze \$10 for 15 minutes of oxygen PLUS free large drink</p>	
 <p>Spice of Life Free Coffee with any breakfast</p>	 <p>Savelli's 15% off entire purchase</p>	 <p>Subway Buy one 6" get one 6" free with a purchase of a medium drink</p>	 <p>Red Dog Coffee 10% off your purchase at either Pinks Pink Chocolate and Ice Cream or Red Dog Coffee. Not to be combined with other offers.</p>	





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