

PROPOSAL FOR PROFESSIONAL SERVICES

# COST PROPOSAL

Prepared for:  
Town of Dillon, Colorado



Contact:  
Gabby Voeller  
Senior Community Planner  
gvoeller@segroup.com  
970.550.6005

# Pricing Proposal

SE Group is pleased to submit the following cost proposal with estimated hours and pay rate.

PHASE	SE Group Team Member					FEE	
	GV	AE	ABE	PO	SP		
	\$170	\$125	\$140	\$175	\$190		
<b>1</b>	Project Management & Client Coordination	20	2	2	0		<b>\$3,930</b>
<b>2</b>	Existing Conditions Analysis	26	76	48	0		<b>\$19,400</b>
<b>3</b>	Engagement & Outreach	22	32	30			<b>\$11,380</b>
<b>4</b>	Draft Recommendations	28	50	46	8	8	<b>\$20,370</b>
<b>5</b>	Maintenance, Management, Implementation & Funding	12	16	16	8	0	<b>\$7,680</b>
<b>6</b>	Final Plan and Presentations	10	18	18	0	0	<b>\$6,470</b>
<b>Total Professional Fees</b>		<b>118</b>	<b>194</b>	<b>160</b>	<b>16</b>	<b>12</b>	<b>\$69,230</b>
<b>Expenses (Travel, printing, supplies)</b>						<b>\$2,000</b>	
<b>TOTAL</b>						<b>\$71,230</b>	

PROPOSAL FOR PROFESSIONAL SERVICES

# TOWN OF DILLON TRAILS MASTER PLAN

Prepared for:  
Town of Dillon, Colorado



 **SE GROUP**

Contact:  
Gabby Voeller  
Senior Community Planner  
gvoeller@segroup.com  
970.550.6005



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April 21, 2023

Scott O'Brien, Public Works Director  
Town of Dillon  
275 Lake Dillon Drive  
P.O. Box 8  
Dillon, Colorado 80435  
scotto@townofdillon.com

Re: Proposal for Town of Dillon Trails Masterplan

Dear Scott,

SE Group is pleased to submit this proposal for the Town of Dillon Trails Masterplan.

Since our incorporation in 1958, SE Group has been fortunate to work in many of the world's most successful recreation communities and destinations. Over this time, we have developed our company mission around empowering our clients to provide rich and rewarding outdoor experiences, balancing stakeholder perspectives, natural resources, and community objectives. Our unique focus on community and recreation planning assures that our public-sector clients have access to the best practices for trail planning, design and management, as well as deeply informative insights from local stakeholders and their communities. We take pride in our dedication to up-to-date community engagement techniques and tools, which blend seamlessly with our ability to gather, analyze, and communicate complex data in a meaningful way. Our interdisciplinary team has deep experience with every stage of recreation planning—feasibility, planning, design, construction, operations, and maintenance.

With an office in Frisco, we offer value through our breadth of experience within Summit County where many of our staff have chosen to live, work and play. We continue to have an ongoing relationship with the Town of Frisco and are currently conducting the Frisco Trails update. We've also worked extensively with Silverthorne on the Silverthorne Comprehensive Plan, as well as the Silverthorne Parks, Open Space and Trails Plan, and various other community-based projects. Our experience working with recreation providers and public agencies across Summit County provides a strong foundation to identify opportunities to leverage local assets while enhancing regional connectivity - all while ensuring trail assets support both local and regional goals.

We look forward to the opportunity to better understand your needs for the project and to answer any questions you may have.

Sincerely,

SE Group

A handwritten signature in black ink that reads "Mark Kane".

Mark Kane | Director of Community Planning  
mkane@segroup.com | 802.681-0868

A handwritten signature in black ink that reads "Gabby Voeller".

Gabby Voeller | Senior Community Planner  
gvoeller@segroup.com | 970.550.6005

# Introduction



With a team that includes planners, designers, land use and permitting specialists, strategists, and graphic artists, SE Group helps clients overcome the challenges associated with complex environmental and social sensitivities. SE Group's corporate entity was formed in 1958 as the first company established for the sole purpose of designing ski resorts. Since then, our company has evolved to include environmental and land-use planning, multi-season recreation and trails planning, community planning and design, parks and open space planning, and public lands cooperative planning for natural areas, rural community and recreational development. Through the years, we have become leading experts in working with destination communities where short-term choices have profound long-term effects. We bring that experience to our clients, and to every planning project.

## Trail System Planning for Communities Impacted by Outdoor Recreation & Tourism

**The Town of Dillon shares many characteristics with some of our most successful projects.**

Our work is focused on communities and smaller cities—often surrounded by public lands, established tourism and resort destinations, and where outdoor recreation is an economic driver. Post-pandemic growth in outdoor recreation pursuits impacts visitation and the growth of outdoor orientated communities. The Town of Dillon—located in the heart of Summit County and a hub to its recreation amenities — is a popular area for tourists, and an increasingly desirable residence to those who value natural beauty and recreational opportunities. With such growth, careful and thoughtful analysis and planning is imperative. We work with many communities to navigate the complex decisions that are required to forge a future that will continue to support economic vitality and a high quality of life. We provide plans that are pragmatic, sustainable, and implementable, while making sure each community we work with feels a stronger sense of place, connection and pride.

## OUR EXPERIENCE HAS TAUGHT US THAT:

**Great communities know who they are.**

They have a vibe and character that defines why people live there. Their uniqueness and authenticity are essential to their being. We know that great long-term plans are built by focusing on what brings a community together.

**Just as no two communities are alike, no two community planning projects are alike.**

We listen and work closely with clients to tailor the approach that makes the best sense for their community, customizing our processes and public engagement efforts, accordingly.

**The best processes balance the interests of people, property, and place.**

Doing this takes deep listening, experience, and a highly thoughtful approach that examines multiple scales of decision-making: long and short term, fine and large grain, local as well as regional.

**Planning is about pragmatism wrapped around a clear vision.**

We work with communities to develop and communicate that vision in a clear, inspiring way. Compelling graphics, clear maps, succinct policies, and easy-to-use documents are hallmarks of SE Group's work.

# Our team is seasoned and multi-disciplinary.

It includes strategists, planners, economic analysts, designers, environmental experts, and community engagement specialists working in following key areas:



## Recreation Planning

Our broad team of recreation and trails planners, designers, landscape architects, environmental experts, and engagement specialists assists public and private sector clients in creating ways for people to elevate their experience of the natural environment through recreation and play. We work closely with our clients to envision new recreational environments and experiences, and to bring forward concepts and visions that are sustainable and long-lasting.

## Landscape Architecture

SE Group's Landscape Architecture team helps design and create great outdoor spaces where people can enjoy themselves through contemplation, socializing, or play. We strive for enduring design that elevates and engages the human experience, and meets the needs of all: from the end-users to those chartered with maintaining those spaces, always keeping in mind the nature in and of the place.



## Environmental + Land Use Permitting

With a team that includes land use and permitting specialists, strategists, planners, and experts in environmental policy and regulation, we help clients overcome the challenges of projects with high environmental and social sensitivities.

## Community Planning + Design

Our company focus is in communities influenced by a strong commitment to sustaining the natural environment, that are shaped by visitation and tourism, encourage access to the outdoors, and value planning to establish a strong economic framework for the future. Through the years, we've become leading experts in working with communities in fragile environments where short-term choices have profound long-term effects.



## Mountain Park Planning + Design

Mountain destination planning and design is the cornerstone of SE Group. Our unique legacy dates back to 1958 when the sport and lifestyle of alpine skiing emerged as a growing business opportunity. As the first consulting firm to focus on the planning, design and operation of ski areas, the company evolved into an internationally recognized innovator and leader in the mountain resort industry.

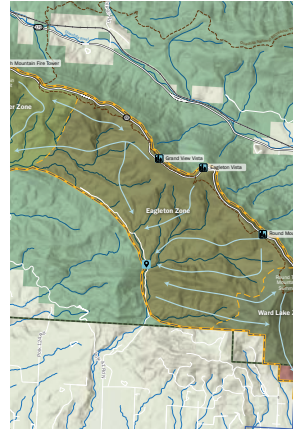
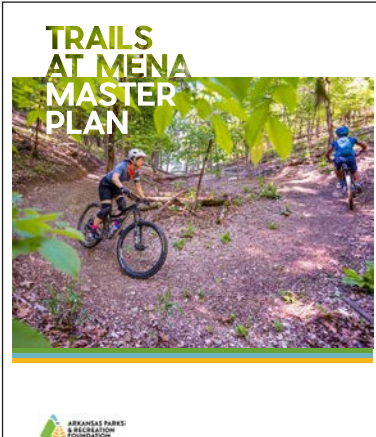


# SE GROUP : Trails are our Expertise

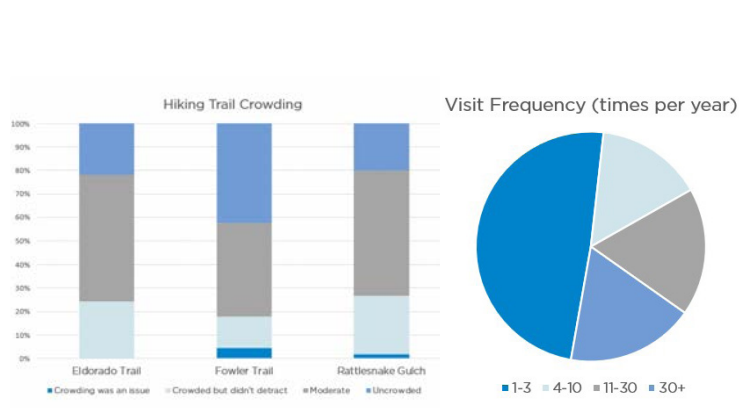
Many components go into successful trail planning and design. SE Group is proud to provide the full array of services to our clients to make their trail projects successful. Our team of planners, landscape architects, public engagement experts, graphic designers, cartographers, and economic and data analysis experts use their expertise to provide our clients with the guidance, tools and road maps to create truly successful trails and trail systems that delight their communities and visitors alike!



## Master Planning



## Capacity Analysis & Visitor Management



## Plan Graphics, Maps & Typologies

### Estes Valley Recreation and Park District Estes Valley Trail Typology

Trails (Non-Motorized)		Roads (Motorized & Non-Motorized)			
Natural Surface Trails	Multi-Use Paths	Natural Surface	Soft Surface	Asphalt	
<b>Rugged Trails</b> In general, natural surface trails are characterized as: • Narrow mountain trails designed as sustainable, rolling contour trails that have minimal impact on natural systems • Trailheads should include benching, outcropping, grade reversals, armoring, switchbacks, and other techniques to minimize erosion and wear by trail users • Frequently smooth and flowing with features like banked turns, rolling terrain, and consistent and predictable surfaces • Tend to wind around obstacles such as trees, large rocks and bushes • If intended for singletrack mountain biking, may also exhibit technical sections with features such as roots, logs and rocks, or man-made technical features such as elevated bridges, jumps, berms, rollers, and drop-offs.	<b>Graded Trails</b> Trail tread is graded and level, often designed to provide accessible outdoor recreation opportunities.	<b>OHV Roads</b> Trails and roads that allow Off-Highway Vehicles (OHVs) and have wide treads created by four-wheeled vehicle use.	<b>Graded Roads</b> Gravel roads and other graded dirt roads, often with seasonal closures.	<b>Paved Roads</b> Internal service roads and U.S. State, and County highways.	
<b>Mt. Biking</b> Tread Width: 12"-18" narrow trail tread for singletrack experience Corridor Width: 8'-7' Corridor Height: 8'-vertical clearance Width of Bridges/Features: varies Average Grade: <10% grade desired for sustainable trails Maximum Grade: 15% -20% with frequent grade reversals, or 1/2 the grade of the slope Outloped Grade: 5%	<b>Hiking</b> Tread Width: 12"-24" rugged trail tread for backpack experience Corridor Width: 8'-10' Corridor Height: 8' Width of Bridges/Features: 5'-12' Average Grade: 5% -12% Maximum Grade: 15% -20% for <100' Outloped Grade: 2% -5%	<b>Equestrian</b> Tread Width: 4"-10" graded trail tread for 16" following bicycle use Corridor Width: 12'-14'-2 min. clear shoulders Corridor Height: 10' Width of Bridges/Features: trail width, +2 on both sides Average Grade: <5% Maximum Grade: 8.3% for <200' Outloped Grade: 2%	<b>OHV Roads</b> Allowed Users: • does not allow OHV use • does not manage any trails or roads for OHV use USFS: • dirt bikes • off-road all terrain vehicles • motorcycles • highway legal four wheeled vehicles • mountain bikes • also have singletrack trails for motorcycle use	<b>Graded Roads</b> Non-Motorized Road Users: • on-road cycling • mountain biking • equestrian use on roadway shoulders USFS: • on-road cycling • mountain biking	<b>Paved Roads</b> Non-Motorized Road Users: • on-road cycling • on-road cycling • equestrian use on roadway shoulders USFS: • on-road cycling



## Federal & State Agency Coordination

## Branding, Wayfinding & Signage



## Public Engagement & Surveys

### Rail Trail Roundup • Come Join The Fun!

Missisquoi Valley Rail Trail Marketing and Wayfinding Project

The Missisquoi Valley Rail Trail Council and Northwest Regional Planning Commission are working with a consultant team to help increase tourism activity and the economic impact of the trail through enhanced marketing, wayfinding, and branding. The project will also create a trail friendly business program and provide technical assistance for local business owners. To kick off this year-long process, we are hosting a trail ride and a series of community events to provide information about the project and gather input from local residents and business owners. Hope to see you on the ride or at one of the community events!

**Friday June 7th Evening Mixer**  
5:30 - 7:30 PM at the 1906 Carriage Barn, Ensbrough Falls

**Saturday June 8th**  
Ensbrough for Richford Trail Ride 8:00 AM Departure at the Historical Society, Ensbrough Falls  
10 mile ride to Richford  
Plenic Lunch 12:30 PM at the Missisquoi Overlook Park/Greenwood Deck, Richford  
Discussion on project goals and elements and how businesses and other stakeholders can benefit from the rail trail. Bag lunches provided.  
Richford to Pine Cone Trail Ride 1:30 PM Departure from Richford 4 miles from Richford to Pine Cone  
Ice Cream Social 3:00 PM at the Pine Cone, Richford  
Presentation/display and discussion project goals and elements and how businesses and other stakeholders can benefit from the rail trail. Ice cream provided.

**Itinerary**

**Thursday June 6th**  
Second Trailhead Design Public Meeting 6:30 PM at the Ensbrough Emergency Service Building  
Presentation of trailhead designs from Conway School of Landscape Design students Greta Moore and Amy Matthews. Designs based on community input from first public meeting held April 20th.

**Friday June 7th**  
President Mixer and Kickoff 8:00 AM at the Maple City Diner, St Albans  
Presentation/display and discussion project goals and elements and how businesses and other stakeholders can benefit from the rail trail. Breakfast sandwiches, muffins, coffee and juice.

**St. Albans to Abbey Trail Ride**  
10:00 AM Departure from St. Albans Trailhead 11 miles from St. Albans to Franconia  
Plenic Lunch 12:30 PM at the Abbey Pavilion, North Sheldon  
Discussion on project goals and elements and how businesses and other stakeholders can benefit from the rail trail. Bag lunches provided.

**Abbey to Ensbrough Falls Trail Ride**  
1:30 PM Departure from Abbey Pavilion 6 miles to Ensbrough Falls

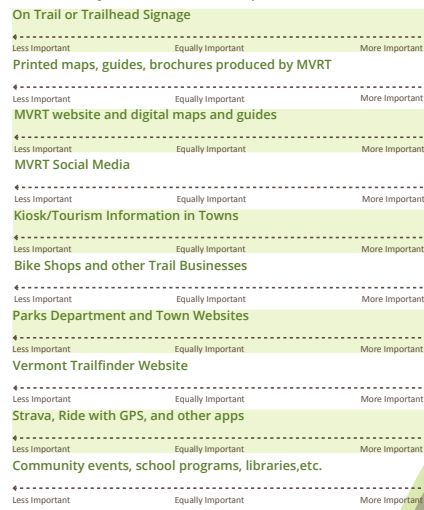
Please RSVP for each event and/or trail ride you would like to participate in by May 29th  
Greta Brunswick or Amy Adams can be reached at: (802) 524-9556  
gbrunswick@trpport.com  
aadam@trpport.com  
Project info: <http://mvttrail.org/mvtrpproject.php>

Consultant Team: SE GROUP INTERIOR

### Communication and Platforms

Which communication channels and platforms for providing information about the trail do you feel are most important?

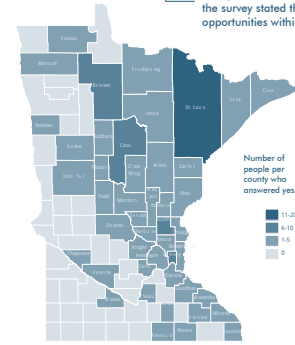
Add One Dot Per Topic!



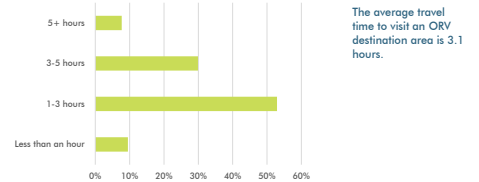
### SURVEY RESULTS: OPPORTUNITIES

ARE THERE ADEQUATE WHEELING AND OFF-ROADING OPPORTUNITIES WITHIN AN HOUR OF WHERE YOU LIVE?

19% percent of wheelers who answered the survey stated there are adequate ORV opportunities within an hour of where they live



HOW FAR DO YOU TYPICALLY TRAVEL TO VISIT DESTINATION ORV RECREATION AREAS?



## Economic Impact Analysis

**ATV**

500 annual ATV trips

\$120,000 in total sales activity

0.2 full-time-equivalent job positions supported

\$2,000 in tax revenues (federal, state, local)

**CRESCENT RIDGE ZONE**

1.2 full-time equivalent jobs supported

873 visits (Feb 13-April 30)

\$95,000 total sales activity

\$11,000 in tax revenues (federal, state, and local)

**MAPLE VILLA ZONE**

3.5 full-time equivalent jobs supported

2,156 visits (Feb 13-April 30)

\$234,000 total sales activity

\$27,000 in tax revenues (federal, state, and local)

**BALDFACE KNOB ZONE**

3.1 full-time equivalent jobs supported

1,876 visits (Feb 13-April 30)

\$204,000 total sales activity

\$23,000 in tax revenues (federal, state, and local)



# Project Approach

We believe that the best work is done in partnership with our clients and their community, rather than for them. Our process is designed to be flexible, allowing our clients to find the right “fit” within the wide-ranging outdoor recreation and community planning services we offer. The value of our service means scaling our 60+ years of experience to your specific needs. With extensive internal community planning, design and environmental permitting experience, we simplify the trail master planning process under one roof, guiding our clients each step of the way with consistent communication and reliable action.

We understand the pressures associated with increased growth and tourism, especially around recreation, and are acutely aware of the impacts, both good and bad, that outdoor recreation brings to communities. Our planning goes beyond just trails by providing considerations and recommendations that enhance the community as a whole, planning for a community-wide recreation assets which are informed by local realities and support other ongoing initiatives and planning efforts.

## NATIONAL EXPERIENCE, LOCAL KNOWLEDGE

SE Group has broad recreation planning experience from across North America and understands what makes such endeavors truly successful. Establishing offices first in Aspen and now in Frisco has fostered a strong connection to Colorado—Summit County in particular— and is the home to many members of the company’s leadership today. On a national level, we have worked with recreation destinations, local agencies and municipalities on a vast array of planning efforts and understand the dynamics at play. In short, we are national experts in trails and outdoor recreation planning & design, but we are also familiar with the local landscape that makes Summit County the treasured outdoor recreation destination and home to residents it is today.





# Scope of Work

We have reviewed the Scope of Work and Schedule provided in the RFP, and combined with our Project Approach, have summarized the scope in this section.

## Phase 1 : Project Management and Client Coordination

Good project management is essential for effective client collaboration and communication throughout the process. They help ensure that your final deliverable is tailored specifically to your needs, and helps manage unexpected hurdles as they arise. This phase includes a kick-off meeting with the consultant team and key town staff that will be working with us throughout the project. We propose every-other week project management check-ins with the town's project manager to keep the project on track. During these check-ins we will identify next steps, review materials, plan for engagement and outreach, and get feedback on draft material and deliverables.

- ❖ **Phase 1 Deliverables: Kick-off Meeting, Bi-monthly Check-ins, Ongoing Project Coordination**

## Phase 2: Existing Conditions Analysis and Inventory

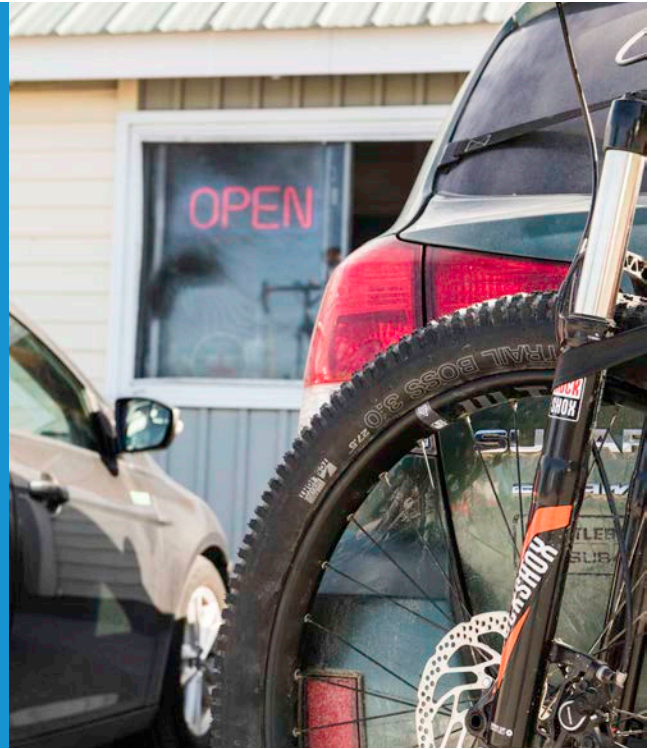
A thorough inventory and existing plan review is essential to lay a strong foundation for the project in order to ultimately figure out what is needed to enhance the Town's existing trail assets, community connectivity, and outdoor recreation identity. Working with town staff, our team will identify key planning documents including the Town Comprehensive Plan, Parks & Recreation Master Plan, Town Center Connectivity Project, Park Walkability Project, and other guiding documents to understand how trails fit into the greater "plan" for Dillon.

The Consulting team will identify a project study area in partnership with town staff as part of this phase. Once a project area is established, the team will assess existing infrastructure with available GIS data and "on the ground" evaluation and inventorying of existing trails, trailheads, and supporting facilities. This data set will include not only the GIS files for each trail, but attributes that speak to connectivity, safety, user comfort, and access for different user types. The scale of this task will depend on the quality and consistency of existing data, using our local office presence in Frisco to fill in gaps and review assets.

- ❖ **Phase 2 Deliverables: Updated GIS Shapefiles, PDF Base Map Set, Existing Conditions Analysis Memo**

# The Confluence of Trails, Communities & Economies

The Town of Dillon enjoys immense natural beauty and has growing potential to benefit from the growth in outdoor recreation and tourism. We understand the importance of the physical and social connections between the Town and natural areas, and that planning must be thoughtful, intentional, and inviting. Our approach will help the region and local businesses build upon this natural setting and what you already offer to enhance the appeal of the communities and strengthen the local economy. We will help maximize your ability to tap into, and even augment, the potential recreational tourism market of the region.



## Phase 3: Engagement and Outreach

### Public Engagement

To best fit your engagement needs we offer a range of engagement options tailored to each of our projects. If selected, a full engagement plan will be developed based on client needs, budget and depth of engagement desired. In addition to one two-hour in-person public meeting, we recommend a corresponding virtual option to provide more flexibility for engagement. This could be a webinar, online survey, or website with materials available for comment. We also propose an experience-based intercept survey to quantify daily use, perceived comfort and safety of trails and pathways, and opportunities for enhancement. Additional add-on engagement options may be selected based include:

- A user-friendly project website or StoryMap
- Development of a steering committee
- Stakeholder interviews with community groups, nonprofits, etc.
- Focus groups
- Hosting a booth at existing events and festivals

An full engagement plan will be developed in the early stages of the project to best fit the budget reflected in our proposed cost of services.

### Town Advisory Committee

We envision an Advisory Committee that meets every 6-8 weeks throughout the project to give feedback throughout the project. The Advisory Committee would consist of staff from public works, planning and utilities, and potentially a Parks, Recreation, Arts & Cemetery Committee member or a Dillon Reservoir Recreation Committee member, and a town council member.

- ❖ **Phase 3 Deliverables: Engagement Plan, Engagement Materials, In Person Open House, and Virtual Open House and Survey, Advisory Committee Stakeholder Interviews; Survey Result Summary**

# SE Group StoryMaps

A story can effect change, influence opinion, and create awareness—and maps are an integral part of storytelling. SE Group uses StoryMaps to give your narrative a stronger sense of place, illustrate spatial relationships, and add visual appeal and credibility to your ideas.

Stakeholders use our websites to learn about planning projects, explore interactive maps, view recommendations and designs spatially, and provide review as the process develops.

## StoryMaps & Public Engagement

SE Group uses ESRI StoryMaps to gather public opinion, encourage citizen involvement, and propel a data-driven approach to problem solving —providing a more collaborative and inclusive process when shaping the vision of a community.

A StoryMap website not only provides a portal for accessing surveys, important public meeting details and information, but also serves as a public bulletin board to communicate the results of these efforts and to keep the community informed as the project progresses and evolves. The StoryMaps platform encourages innovation and allows us to think of interesting, accessible, and engaging ways to present complicated spatial data, dense survey results, and intricate planning processes.

Stakeholders use our websites to learn about planning projects, explore interactive maps, view recommendations and designs spatially, and provide review as the process develops.



See the StoryMap!

## Grant County Outdoor Recreation & Trails Master Plan



Maps & Plans that are

# Artful. Informative. Accessible.



## Phase 4: Draft Recommendations

Building on work from Phases 2 and 3, the consultant team will work with town staff to identify key recommendations for the plan, guided by engagement efforts and feedback from the Advisory Committee. This phase includes the identification of high-level new hard surface and natural surface trails, crafted from our experience as outdoor recreation, community planning and design experts. Draft recommendations will be crafted from key ideas and trends identified throughout the process, as well as gaps and opportunities in the existing system. The recommendations will be aimed at enhancing community connectivity and the recreation experiences within Dillon and parts of Summit County adjacent to Dillon. A virtual recommendation presentation will be offered to gather additional feedback and share proposed ideas.

- ❖ **Phase 4 Deliverables: Draft Plan, Presentation and Feedback Period, Virtual Plan Presentation**

## Phase 5: Maintenance, Management, Implementation and Funding

The Trail Maintenance & Management Plan will be the foundational document for the ongoing management of the trail system by staff and stewards. The Plan will detail specifications for trail construction of different types, standards for assessment and maintenance, methods of record keeping and scheduling actions, responsibility for those actions, and annual planning/budgeting for staff and trail stewards. With a large trail system, a robust O&M plan is vital for managing risk, organizing assessment inputs, and strategically developing solutions that optimize overall trail sustainability.

This will be paired with a funding opportunity analysis to identify local, state, and federal opportunities for funding future implementation, trail maintenance and management. The final report will also include a detailed Implementation timeline with recommended timeframes and responsibilities outlined for different trail types (hard surface and natural surface), trailheads and supporting facilities.

- ❖ **Phase 5 Deliverables: Trail Maintenance & Management Plan, Implementation Plan, Funding Opportunity Analysis**

## Phase 6: Final Plan and Presentations

Work completed in this phase will account for review and feedback provided in previous phases, focusing on plan delivery. Presentation to Planning Commission (if needed) and Town Council will fall within this Phase, as well as any additional review needed prior to adoption.

- ❖ **Phase 6 Deliverables: Final edits, Presentation to Town Council and the Planning Commission, Final Delivery**

# Team/Key Personnel

We have assembled a seasoned team for the Town of Dillon Trails Master Plan. Our team includes Community Planners, Landscape Architects, Recreation Planners, public lands and NEPA experts, Public Engagement Specialists, Cartographers, and Graphic Artists. Resumes of all key staff are provided in the Appendix.

SE Group’s leadership team is comprised of four directors, a principal mountain planner, a chief financial officer, and our company president. We are comprised of 48 full and part time consultants with three principal office locations (Colorado, Vermont, and Utah)

SE GROUP TEAM MEMBER	PROJECT ROLE
<b>GABBY VOELLER</b> Senior Community Planner	Project Manager
<b>ANNAKA EGAN, AICP</b> Associate Planner	Assistant Project Manager
<b>AYDEN EICKHOFF</b> Analyst & Planner	Community Engagement, Graphic Design
<b>SCOTT PRIOR</b> Associate Environmental Planner	Public Lands Liaison
<b>PATRICK OLSTAD, ASLA, PLA, LEED AP</b> Senior Landscape architect	Trails Designer and Wayfinding

# Relevant Project Experience

The below table showcases work relevant to the project’s context. We have completed many trail projects in Colorado and understand how seasonal influxes, environmental and regulatory factors, and varied stakeholders play into the planning process. Full project profiles can be found in the Appendix.

SE GROUP PROJECTS	PROJECT FEATURES						
	Public Engagement	Trails & Open Space Planning	Capacity & Visitor Use Analysis	Recreation Use & Demand Analysis	Economic Impact & Tourism	Mapping	Site Analysis & Planning
Town of Silverthorne Parks, Open Space, & Trails Master Plan Update	✓	✓	✓	✓	✓	✓	✓
Town of Snowmass Village Parks, Open Space, Trails, & Recreation Plan	✓	✓	✓	✓	✓	✓	✓
Frisco Trails Master Plan & Update	✓	✓	✓	✓	✓	✓	
Town of Vail Trails Planning	✓	✓		✓		✓	
Town of Eagle Open Space & Trails Master Plan	✓	✓		✓		✓	✓
Estes Valley Master Trails Plan	✓	✓	✓	✓	✓	✓	✓
Fort Morgan Trails Plan	✓	✓				✓	✓
Summit County Rec Path Analysis		✓				✓	✓
Pilot Hill Land Use Plan	✓	✓		✓	✓	✓	✓
Grant County Comprehensive Outdoor Recreation & Trails Master Plan	✓	✓	✓	✓		✓	
Basin Recreation District Strategic Plan	✓	✓		✓			✓
Salt Lake City Foothills Trail System Master Plan	✓	✓	✓	✓			
Cumberland Plateau Outdoor Recreation Economic Analysis & Development Plan	✓	✓	✓	✓	✓		
Mena Trails Master Plan & NEPA	✓	✓	✓	✓		✓	✓
Arkansas River Corridor Master Plan	✓	✓		✓			✓
MRV Moves Active Transportation Plan	✓	✓	✓	✓	✓	✓	✓
Minnesota Discovery Center Master Plan	✓	✓				✓	✓



# Appendix

## Team Resumes & Project Profiles





#### Areas of Expertise

- Community Planning
- Affordable Housing
- Transportation Planning / Land Use + Transportation Modeling
- Community Engagement

#### Affiliations/Memberships

- American Planning Association, Colorado Chapter, Northern New England Chapter

#### Appointments

- City of Leadville Planning + Zoning Commission

#### Presentations

- “UrbanSim,” APA Colorado conference, 2014
- “Creating Connections between Recreation and Transportation” APA Colorado conference 2016
- “Partnering with Colorado’s Public Land Managers,” APA Colorado Conference, 2017
- “Progressive Planning on the Western Slope” APA Colorado Conference 2020

Gabby is a multi-faceted planner with a passion for helping clients solve the most complex problems facing their communities. She applies both technical and analytical skills to all aspects of community planning. Gabby approaches projects with a mind geared toward seeking out innovative and engaging solutions that move communities closer towards their vision and goals.

#### Experience

Working in both private and public sectors, Gabby has widespread knowledge and experience managing multi-modal transportation planning, recreation and trails planning, and community planning and development projects. She excels at crafting and facilitating creative public engagement processes and making compelling maps and infographics for plan documents. She has authored environmental analyses and impact studies. Gabby joined the SE Group team in 2016.

Gabby has a Master of Regional Planning from Cornell University and a Bachelor of Science in Chemistry from Bates College.

#### Projects

- City of Cañon City Arkansas River Corridor Master Plan, Colorado
- City of Fort Morgan Trails Master Plan, Colorado
- City of Fruita Comprehensive Plan Update, Colorado
- City of Fruita Land Use Code Update, Colorado
- Clear Creek County 2017 Community Master Plan, Colorado
- Cuchara Mountain Park Master Plan, Colorado
- City of Aspen Uphill Economy Recreation Plan, Colorado
- Dillon Reservoir Recreation Area and Summit County RecPath System Capacity Analysis, Summit County, Colorado
- Eldorado Canyon State Park Visitor Use Management Plan, Colorado
- Estes Valley Recreation and Park District Comprehensive Master Trails Plan, Colorado
- Pagosa Springs 2018 Comprehensive Plan, Colorado
- Pilot Hill Land Use Plan, Laramie Wyoming
- Town of Breckenridge Gondola Feasibility Study, Colorado
- Town of Frisco Community Plan Assistance, Colorado
- Town of Frisco Three Mile Plan, Colorado
- Town of Frisco Trails Master Plan, Colorado
- West Vail Master Plan, Colorado
- City of Chisholm Comprehensive Plan, Minnesota
- Lake County Parks, Recreation and Open Space Plan, Colorado
- Minturn Community Plan & Downtown Design Guidelines, Colorado
- Town of Eagle Open Space and Trails Plan, Colorado
- DOLA Affordable Housing Strategies Analysis, Colorado
- Leadville/Lake County Affordable Housing Site Analysis, Colorado
- Telluride/San Miguel County Community Housing Rezoning, Colorado

**ANNAKA EGAN, AICP**  
ASSOCIATE PLANNER



**Areas of Expertise**

- ESRI GIS & Business Analysis
- Public Engagement
- Technical Writing
- Project Management
- Adobe Creative Cloud
- Affordable Housing

**Professional Certifications**

- American Institute of Certified Planners (AICP)

Annaka believes that a unified vision creates resilient and empowered communities, and she champions this concept through her work as a planner. Bringing an adaptive approach to the team, Annaka focuses on clear communication and listening to clients, stakeholders, and the public to develop designs and outcomes that harness a deep connection to a place’s identity.

Annaka relishes her time in the outdoors and believes deeply that everyone has the right have access to green, natural spaces. This fuels her work to provide tangible outcomes for the communities she partners with.

**Experience**

Annaka specializes in coordinating and managing complex community and land use planning projects, including comprehensive and master plans, economic development analyses, and strategic planning efforts. She has strong experience working with marginalized populations across the Mountain West and focuses on upholding planning standards that promote diversity, equity, inclusion, and access.

Annaka has a Master’s Degree in City & Metropolitan Planning from the University of Utah, as well as Bachelor’s degrees in Environmental and Sustainability Studies and Urban Ecology. She has also previously taught courses on the fundamentals of design, urban planning, and the conceptualization of space at the University of Utah.

**Projects**

New to the team, Annaka brings with her a wealth of experience working on community planning projects in the Salt Lake City area. These projects were completed while working at a previous firm.

- Basin Recreation Strategic Plan, Utah
- Salt Lake City Foothills Master Plan, Utah
- Ballpark Station Area Plan, Utah
- Breckenridge Lift Expansion, Colorado
- Cottonwood Heights Moderate Income Housing Plan, Utah
- Grant County Comprehensive Outdoor Recreation and Trails Master Plan, New Mexico
- Japantown Street Design Strategy & Guidelines, Utah
- Magna General Plan, Salt Lake, Utah
- Nubs Nob Master Development Plan, Michigan
- Park City School District Master Plan, Utah
- South Salt Lake General Plan, Utah

**AYDEN EICKHOFF**  
ASSOCIATE PLANNER



**Areas of Expertise**

- Community Engagement
- Recreation Analysis

**Awards**

- 2019 Vermont Planning Association Plan of the Year, Enosburg Falls Vital Village

**Presentations**

- “Energizing your Outdoor Recreation Economy”. Vermont Parks and Recreation Association, 2021

**Affiliations**

- Colorado APA

While providing key support to a wide variety of planning projects, Ayden maintains a particular appreciation for the interactions between project goals, community needs, and political necessities. She brings an infectious enthusiasm to project teams and approaches challenges with a commitment to identifying flexible and adaptive strategies. She delights in distilling complex issues into concise and helpful formats with an eye towards context and clarity.

**Experience**

Ayden joined SE Group in 2019 with an academic background in Environmental Studies, Politics, and Geology. Her previous work includes researching and implementing municipal environmental and fiscal policies. Having lived both abroad and in rural places across the U.S., Ayden brings a keen awareness towards the range and diversity of stakeholders’ interests to all aspects of SE Group projects.

Ayden has a Bachelor of Arts in Environmental Studies from Bates College.

**Projects**

- Addison County Triangle Bike Loop, Vermont
- Bingham Falls Master Plan, Vermont
- Burlington Arms Forest Trail Study, Vermont
- Lowell Lake State Park Master Plan, Vermont
- Milton Recreation Master Plan, Vermont
- Missisquoi Valley Rail Trail, Vermont
- Montpelier Downtown Core Master Plan, Vermont
- Pilot Hill Land Use Plan, Wyoming
- Rise VT Trail Impact Analysis, Vermont
- Saxon Hill Town Forest, Vermont
- Valdez Heli-Ski Operational Permit, Alaska
- Northfield Ridge and River Routes, Northfield, Vermont
- Middlebury Snow Bowl Master Plan, Vermont
- Newport Municipal Plan, Vermont
- Minnesota ORV Statewide Master Plan, Minnesota
- Morgantown Conceptual Trail Planning, West Virginia University
- Kingdom Trail Network Feasibility Analysis, Vermont
- Grand Targhee EIS, Wyoming
- Foothills Foundation Recreation Master Plan, New Hampshire
- Loon Mountain Resort Master Development, New Hampshire
- Lutsen Mountain EIS, Minnesota
- Minnesota Discovery Center Master Plan, Minnesota
- Cumberland Plateau Outdoor Recreation Plan, Virginia
- Mount Sunapee Master Development Plan, New Hampshire
- Velomont Trail Economic Impact Study, Vermont
- Breaks Interstate Park Operations Analysis, Virginia
- Friends of the Front Range Wildlife Refuge Communication, Colorado



**PATRICK OLSTAD, ASLA, PLA, LEED AP**  
SENIOR LANDSCAPE ARCHITECT



**Areas of Expertise**

- Master Planning
- Site Planning and Design
- Public Process
- Aesthetic Analysis

**Affiliations/Memberships**

- American Society of Landscape Architects

**Registration**

- Registered Landscape Architect: Vermont #0133714

With a sensitivity to the uniqueness of place, Patrick seeks to create spaces that are both functional and aesthetically inspiring. He has a strong artistic sensibility for materials and forms that are expressed through custom design details. Additionally, as a LEED accredited professional, Patrick finds opportunities to integrate ecological and low-impact design strategies into each project's aesthetic. With his affable demeanor, he easily develops strong client relationships that are enriched through collaboration—knowing that the best project outcomes come about when multiple perspectives are incorporated into the design and planning process.

**Experience**

Patrick is a licensed landscape architect with over 20 years of experience with a variety of project types spanning multiple scales. He has demonstrated success leading multi-disciplinary project teams from the conceptual design stage through permitting to construction with a great attention to detail. He brings a mix of creative visioning and pragmatic thinking to everything from master planning parks to designing wayfinding signage. With a love for outdoor recreation, he has managed the development of plans for numerous state parks and recreation environments in multiple states.

Patrick has a Bachelor of Science in Landscape Architecture (Magna cum laude) from Cal Poly San Luis Obispo, and he spent a formative year abroad studying landscape architecture at the Agricultural University of Norway. Patrick's work has received recognition through multiple awards, and he has been a featured speaker for the Vermont Urban and Community Forestry Tree Stewards Conference.

**Projects**

- Muckcross State Park Master Plan, Springfield, Vermont
- Underwood Park Master Plan, South Burlington, Vermont
- Chester Wayfinding Plan, Vermont
- Burlington Great Streets Downtown Streetscape Plans, Vermont
- South Burlington Library, Senior Center and City Hall, Vermont
- Essex Town Center Master Plan, Vermont
- Quarry Road Recreation Area Master Plan, Waterville, Maine
- Howelsen Hill Ski Area Master Plan, Steamboat Springs, Colorado
- City Center Park, South Burlington, Vermont
- Winooski Downtown Redevelopment, Winooski, Vermont
- White River Junction Revitalization Plan, Vermont
- Middlebury Riverfront Park, Middlebury Vermont\*
- Danville Transportation Project (Streetscape and Town Green Plans), Vermont
- Hoosic River Greenway, Hoosick, New York\*
- Town of Killington Streetscape, Vermont\*

*\* Indicates projects completed while employed at other firms.*

## SCOTT PRIOR

### SENIOR ENVIRONMENTAL PLANNER



#### Areas of Expertise

- Environmental Policy + Analysis
- Data Management + Modeling
- Public Engagement

Scott is a versatile and resourceful analyst and planner. He is sought after for his technical writing, analytical capabilities, and attention to detail. Scott moves easily between planning and NEPA processes—applying wholistic and insightful strategies to a wide range of projects. Additionally, his appreciation for a thoughtful and balanced approach between conservation and development complements the project process.

#### Experience

Scott joined SE group in 2015 and contributes a strong educational background in environmental studies, which included major course work in natural resource management and land use policy. Engagement in a breadth of both volunteer and professional experiences prior to joining SE Group makes Scott a well-rounded asset to the team.

Scott has a Bachelor of Arts in Environmental Policy from Colorado College.

#### Projects

- Arapahoe Basin Ski Area Projects Draft Environmental Impact Statement, Colorado
- Aspen Mountain Lift 1A Categorical Exclusion, Colorado
- Blue Valley Ranch Land Exchange Environmental Impact Statement, Colorado
- Breckenridge Ski Resort Peak 2017 Projects Categorical Exclusions, Colorado
- Breckenridge Ski Resort Peak 7 Restaurant Supplemental Information Report, Colorado
- Copper Mountain Resort Snowmaking and Summer Uses Environmental Assessment, Colorado
- Clear Creek County Comprehensive Master Plan Update, Colorado
- Frisco Nordic Center Master Development Plan, Colorado
- Grand Targhee Resort Supplemental Information Report, Wyoming
- Keystone Resort 2017 Projects Categorical Exclusions, Colorado
- Mammoth Base Land Exchange Environmental Impact Statement, California
- Mt. Rose Ski Tahoe Atoma Area Projects Draft Environmental Impact Statement, Nevada
- Red River Ski Area Multi-Season Recreation Projects Environmental Assessment, New Mexico
- Snowmass Mountain Summer Recreation Environmental Impact Statement, Colorado
- Snowmass Mountain Sheer Bliss Pond Categorical Exclusion, Colorado
- Steamboat Ski Resort Environmental Impact Statement (ongoing)
- Taos Ski Valley Gazex Avalanche Mitigation System Installation Project Categorical Exclusion, New Mexico
- Town of Frisco Nordic Center and Peninsula Recreation Area Master Development Plan, Colorado (ongoing)
- Village of Taos Ski Valley Waste Water Treatment Plant Categorical Exclusion, New Mexico

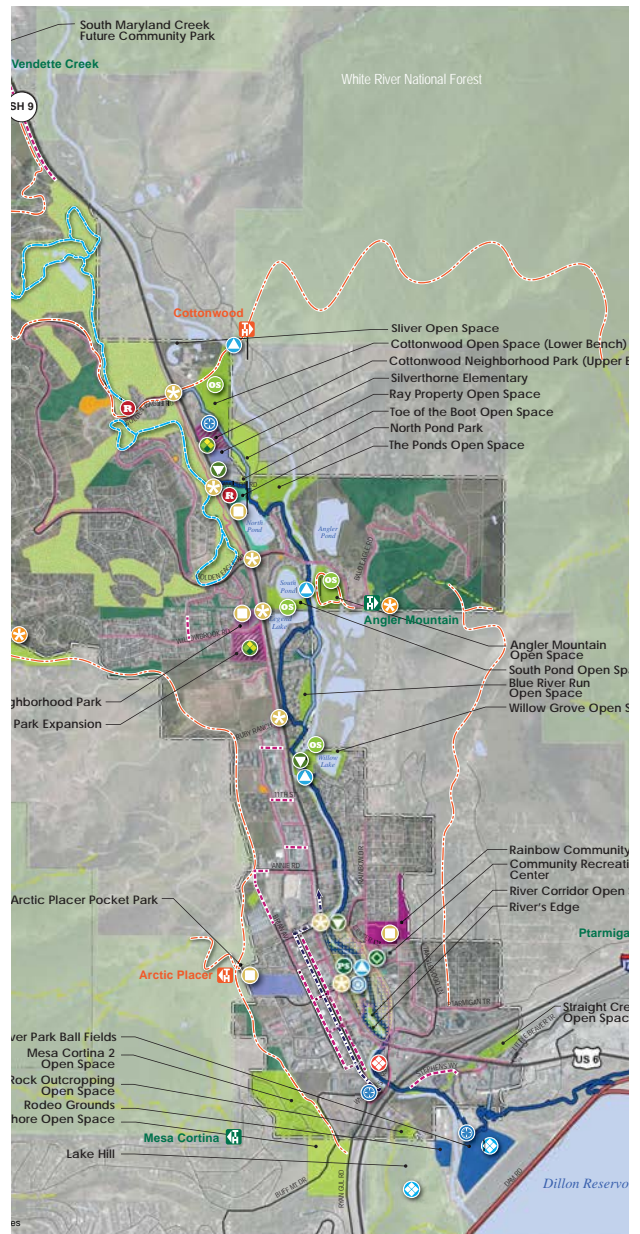
# Town of Silverthorne Parks, Open Space, & Trails Master Plan Update

Silverthorne, Colorado

SE Group completed the Parks, Open Space, and Trails (POST) Master Plan for the Town of Silverthorne—a mountain town where recreation, culture, and the outdoor lifestyle are part of the community fabric.

The POST Master Plan is the Town’s guide for future investment in parks, open space and trails. A detailed inventory of current facilities provides a snapshot of what exists today and how those resources are serving the present-day population. Analysis of those resources reveals opportunities that may improve service levels and the ability of the Town to recapture the costs of providing outstanding facilities and programs to its residents. The POST Master Plan is a supporting document to the Town of Silverthorne Comprehensive Plan: Blueprint Silverthorne. The two documents work in tandem to promote parks, open space and trails resources that serve residents and visitors, and add to Silverthorne’s quality of life.

Creative public engagement was essential to this planning process to ensure that the all members of the community were heard and needs were addressed. Extensive market research was also undertaken to more fully understand the tourism and second-home population as equally vital recreational users. All of this critical outreach helped create a document that is a true and vivid representation of what the community would like to see in the future and how exactly to get there.





# Town of Snowmass Village Parks, Open Space, Trails, & Recreation Plan

Town of Snowmass Village, Colorado

The Town of Snowmass Village Parks, Open Space, Trails and Recreation (POSTR) Plan is a long-range planning and implementation document that guides the future development of the parks, open space, recreation, and trails system within the Town. The Plan articulates the community’s priorities for acquiring park and open space parcels; enhancing the trail system; preserving and improving existing indoor and outdoor facilities; creating new indoor and outdoor recreation amenities and programs; ensuring social, economic, and ecological sustainability of all facilities and programs; and defining parks, open space, trails, and recreation facility standards.

Public engagement occurred throughout the process to maximize community participation and draw out the creativity of community residents and business owners, and involved a series of steering committee meetings, stakeholder interviews, a “scout your park” tour, two interactive community workshops, needs assessment surveys, and the use of an interactive online “wiki-map.”

Also critical to the process, an economic and fiscal impact analysis of recreational resources in the Town was completed to understand how the plan’s concepts can best integrate with the economic development goals of the community. This specialized insight into implementation and phasing strategies, provided a plan that served the needs of locals, while drawing in new visitors to the community and supporting both the Town government’s and the community’s bottom line.





# Frisco Trails Master Plan & Update

Frisco, Colorado

SE Group worked with the Town of Frisco on their Trails Master Plan during 2016 and 2017. This project identified trails and connectivity enhancements that: improve recreation opportunities surrounding Frisco, ease access directly from town, and increase safety for pedestrians and bicyclists. It addressed both summer and winter uses—exploring innovative ideas for integrating fat biking and long-distance Nordic skiing routes into Summit County. The plan stressed the importance of partnerships with the Forest Service and local not-for-profit groups to help maintain existing trails and build political and financial support for additional trail projects in the future.

The recommendations in this plan were vetted by the public through a community engagement process that involved well-attended open houses, an active Citizen’s Committee, multiple small group and one-on-one interviews, and an online interactive map. The Frisco Trails Master Plan is strategic in nature and designed to help the town identify both short-term and long-term projects that will enhance the recreation options, safety, and connectivity of the Frisco community.

The plan was Adopted in March 2017.

***We recently completed a 5 year update to this plan that included more extensive wayfinding recommendations, a study on crowding at trailheads, and additional outreach to understand changing needs and priorities.***





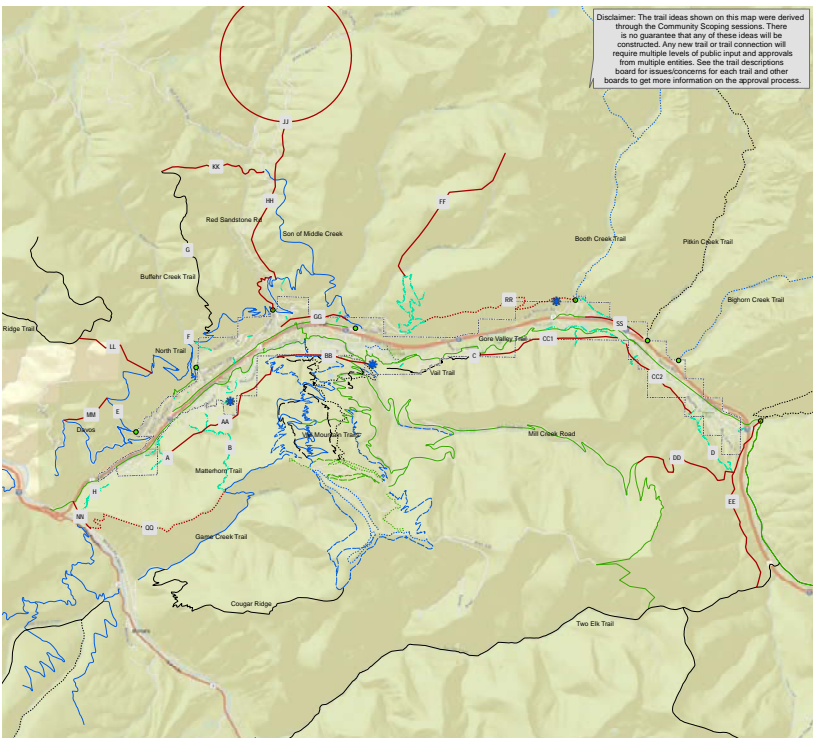
# Town of Vail Trails Planning

Vail, Colorado

In 2017 SE Group worked with the Town of Vail to analyze their existing trail network and develop a vision and conceptual trails plan for the future. The Town of Vail was in the process of updating their Open Space Plan and retained SE Group to incorporate a robust trails analysis and community engagement process into the plan.

Utilizing trail counters placed in strategic locations, SE Group inventoried all the trails in the area. This data was key to understanding the current use of the system and determining which new trail types and locations may be appropriate. This analysis also included a close look at unsanctioned trails, with trail counts to measure existing use and the potential need for management.

Additionally, SE Group led a series of stakeholder discussion and a public workshop to formulate the community's vision and ideas for new trails. These meetings brought together the many interest groups to ensure the plan reflected the needs of area wildlife and land management, the tourist economy, and hikers, bikers, and horseback riders.

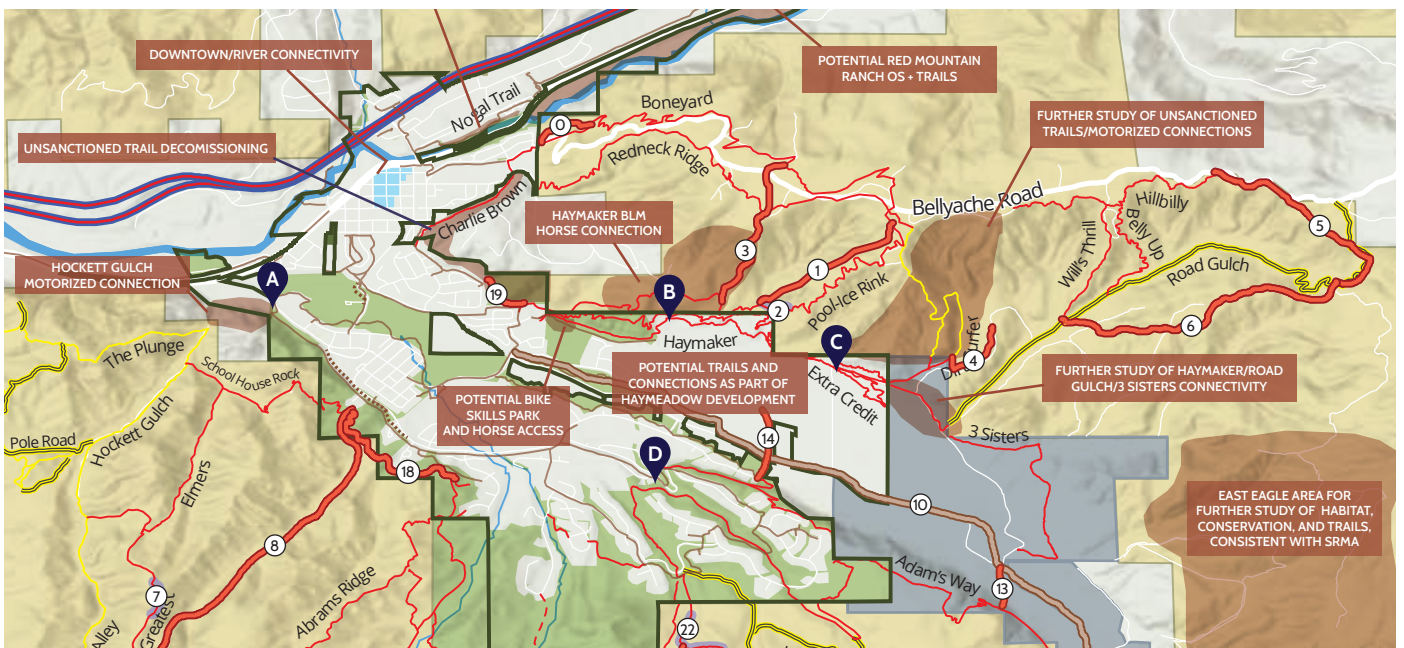




# Eagle Open Space and Trails Master Plan

Eagle, CO

The Town of Eagle contracted SE Group for the development of their first-ever Open Space and Trails Master Plan, adopted in July 2022. The Town is seeking to expand the capacity of its Open Space and Trails department, having recently hired its first full-time employee. This master plan was intended to establish the strategic direction for this department and outline policies and projects for the Town to pursue in the short and long-term. The Eagle area already has a robust trail network popular amongst mountain bikers, foot users, and motorized users. The Town open space and surrounding public lands are important habitat for elk, mule deer, and many other species, and the community wrestled with how to sufficiently balance and provide for conservation and recreation in this plan. As a result of this plan, the Town intends to invest heavily in habitat improvement projects, restoration projects, and further study around resource and habitat conditions. For this planning effort, the planning team worked closely with several important stakeholders such as the Bureau of Land Management, the U.S. Forest Service, Colorado Parks and Wildlife, Eagle County Open Space, and Eagle Valley Wildland Fire, local land trusts, and user groups. Community engagement was an important element of this process, and hundreds of community members attended plan open houses and council meetings, participated in surveys, and wrote in comments. To engage the Town's Latinx community, SE Group translated materials into Spanish, met with leaders of the local Latinx outdoor engagement organization, and attended programming to chat with participants.





# Estes Valley Trails Master Plan

Estes Valley, Colorado

The Estes Valley is fortunate to have hundreds of miles of trails that traverse some of the most beautiful landscapes in the Rocky Mountains. However, the trails are managed by multiple local and federal agencies with differing guidelines and maintenance standards. Our client, the Estes Valley Recreation and Parks District, pursued the Trails Master Plan to unite the region with a comprehensive trails strategy.

The planning process involved a series of partner meetings to bring the numerous stakeholders together. A partnership with National Park Service's Rivers and Trails Conservation Assistance (RTCA) program also provided for an interactive project website, surveys, and workshops, which significantly enhanced the public engagement process.

The Estes Valley Master Trails Plan ensures that new trail development preserves and protects wildlife and natural habitat areas, serves youth and families, and is complementary to recreational use on adjacent public lands. The Master Trails Plan also demonstrates the significant economic, recreational, and environmental benefits of a thoughtful plan for a regionally-connected system of trails through the use of an economic impact analysis.





# Fort Morgan Trails & Connectivity Master Plan

Fort Morgan, Colorado

SE Group worked with the City of Fort Morgan to develop a Trails + Connectivity Master Plan that aligned with the community's needs and interests. The plan included both new trail designs on city parks and recommendations towards pedestrian and biking facilities on city streets.

Through a robust public engagement process, the city's priorities were identified: to create safe routes for children to walk and bike to school, and to improve intersections and sidewalks towards the city's major employers. As a result of this input, SE Group analyzed and scored every sidewalk and intersection in the city based on condition, existing safety features, and importance to pedestrians. The analysis determined key areas for improvement and, along with designs of bicycle facilities cross-sections, provided the City Public Works Department a roadmap for future project planning.





# Summit County Recreation Path Environmental Assessment

Summit County, Colorado

The Tenmile Recreation Path project is located on the White River National Forest in Summit County, Colorado. Summit County Government operates recreation pathways on National Forest System lands under a Special Use Permit with the White River National Forest. SE Group was contracted by the County to prepare an Environmental Assessment (EA) which analyzed a proposal designed in response to a need for improved connections and safety on the County's recreation path system.

The EA considered a range of environmental resources including stream health, wildlife and wetlands. The Forest Service approved the proposal and the project was constructed in 2012.





# Pilot Hill Land Use Plan

Laramie, Wyoming

SE Group recently completed a Land Use Plan for Albany County and the Pilot Hill Project, a 501c(3) nonprofit in southeastern Wyoming. The Pilot Hill Project is a community initiative to protect 7,000+ acres of open space, conserve wildlife habitat, create recreational and educational opportunities, and promote economic development.

SE Group worked closely with community members and land management agencies to develop a land use plan and trail system that balances conservation and recreation, aligns with the management capacity, and has strong connectivity to Laramie neighborhoods and businesses and the adjacent National Forest. SE Group convened an interagency working group, made up of Wyoming State Parks, the U.S. Forest Service, and Game and Fish, to discuss the appropriate land uses for the parcel including the trail mileage and locations, habitat needs, management scheme, and potential rules and regulations.

Large public meetings and on-property engagement occurred throughout the process to allow hundreds of community members to provide their ideas and input on this game changing opportunity for Laramie residents and the economy. SE Group provided renderings, analysis, and maps to allow community members to determine the appropriate land uses, trail density, and character to preserve the natural landscape and habitat and offer an incredible back-door recreational resource. The final plan is a 43.9-mile sustainable trail network offering opportunities for hikers, mountain bikers, and horseback riders of all physical abilities.





# Grant County Comprehensive Outdoor Recreation & Trails Master Plan

Grant County, New Mexico

SE Group is collaborating with Grant County, NM on a Comprehensive Outdoor Recreation and Trails Master Plan that reflects the County's varied landscape and wide array of recreational opportunities. The Comprehensive Plan assesses the County's current recreational assets, which include the Gila National Forest and sections of the Continental Divide Trail, and articulates a vision for the County's future recreational system.

Grant County is a popular location for several types of recreation, including hiking, mountain biking, ATViing, and dirt biking. One primary goal of the planning process is to develop a complete picture of the County's trails and recreational offerings that identifies connectivity issues and needed trailhead amenities. The Comprehensive Plan will provide a framework for the County to adequately fund and manage its current recreational offering and promote accessible, welcoming recreational experiences for both residents of and visitors to Grant County.

Key project goals include:

- Develop plan for an integrated system of trails and outdoor recreation assets that serves Grant County's diverse residents and user base
- Conduct meaningful public engagement to develop a plan that reflects the values of the communities throughout Grant County
- Enhance the benefits of outdoor recreation throughout Grant County including gain in community health and wellbeing, quality of life, economic development, and others.





# Basin Recreation District Strategic Plan

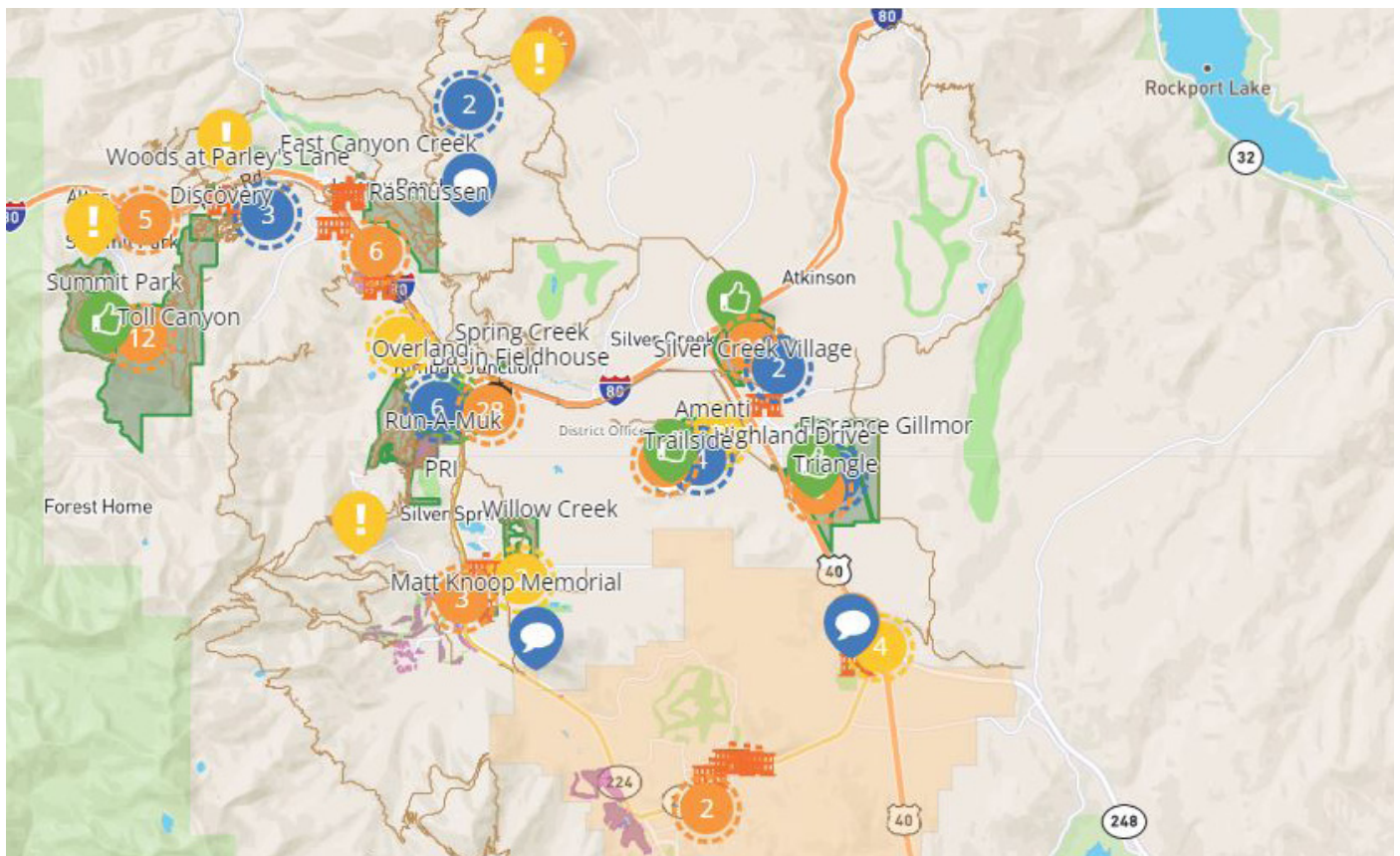
Park City, Utah

SE Group is leading the Snyderville Basin Special Recreation District through a strategic recreation planning process in Summit County, Utah. Basin Recreation owns and manages nearly 2,300 acres of open space and 170 miles of trails, an array of adult and youth programming, and several recreation facilities within the Snyderville Basin Area.

This process encompasses three primary initiatives:

1. A 10-Year Strategic Plan to evaluate existing conditions, needs, operations, financials, and visioning
2. A 5-Year Trail and Open Space Maintenance and Management to assess existing trail conditions and provide an economic impact analysis alongside best practices and case studies for balanced recreation
3. The evaluation and conceptual design for a new recreation facility which includes a market assessment, site analysis, programming, financing analysis and preparation for future bonding opportunities

The Basin Recreation Strategic Plan is expected to be completed in Fall of 2023 and is a unified effort between Basin Recreation, Summit County, and the residents of the Snyderville Basin area.





# Salt Lake City Foothills Trail Master Plan

Salt Lake City, Utah

The Salt Lake City Foothills Natural Area consists of approximately 6,000 acres of canyons and foothills bordering the northern and eastern limits of Salt Lake City. As well as being important habitat to local wildlife, these lands have tremendous potential to provide a refuge for the public, and an escape into the natural world only minutes from the heart of downtown SLC. In order to minimize the human footprint and ensure that this unique natural area is protected for future generations, SE Group was contracted to evaluate existing and future trails within the Foothill Trail System and provide recommendations on enhancements, future development, and the mitigation of recreational assets on open spaces.

The primary objectives of the plan are: (1) to provide detailed layout, design and management recommendations for a comprehensive non-motorized recreational trail system that is safe, enjoyable, accessible, connected, and sustainable; (2) to provide information to guide strategic implementation of the trail system over a 10-year time horizon; and (3) to provide and/or incorporate key supplemental information to ensure trail sustainability. This Foothills Trail System Plan establishes a vision for a recreational trail system that balances user needs with the needs of the Foothills environment so that the property can be enjoyed by Salt Lake City residents and visitors for decades to come.





# Cumberland Plateau Outdoor Recreation Economic Analysis and Development Plan

Southwest, Virginia

SE Group is currently working with four counties in Southwest Virginia to strengthen their outdoor recreation economy and local quality of life. This region of Virginia had been focused on the extraction industry and is now looking to diversify its economy around outdoor opportunities and its rugged natural landscape. Through this project, SE Group is identifying infrastructure, investments, programs, and partnerships that would draw more people to the region and allow local businesses to capture revenue. These recommendations have been informed by a robust stakeholder engagement process involving over a hundred local business owners, government officials, tourism and economic development professionals, land managers, and recreation providers. This plan is intended to provide materials for broad implementation efforts, with assessments and reports for grant writing, site-specific designs, an outdoor recreation gateway community guide for municipalities, and an outdoor recreation entrepreneurship guide.





# Mena Trails Master Plan & NEPA

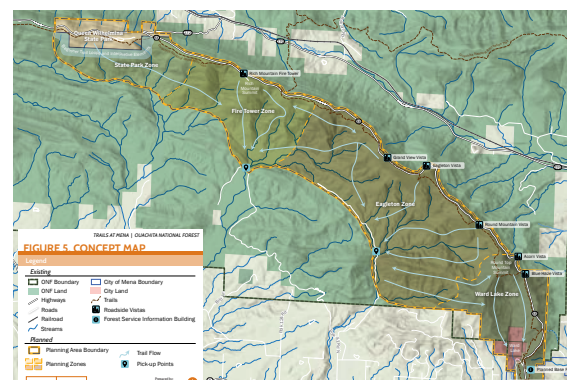
Mena, Arkansas

SE Group is currently conducting a master planning and environmental review process for a multi-jurisdictional mountain biking destination near Mena Arkansas. The project area overlaps lands managed by Queen Wilhelmina State Park, the Ouachita National Forest, and the City of Mena. The vision is for a 100+ mile gravity-fueled backcountry mountain bike area that serves as an economic driver for the region. The trails would offer an incredibly unique riding experience, drawing many visitors looking for world-class riding with a more natural feel.

As of Summer 2022, SE Group has completed the master planning portion of the project. This plan includes a high-level concept and recommendations for a trail network that is guided by a vision created by agency collaboration and stakeholder outreach. Further, the plan includes a preliminary review of natural resource conditions and sets the stage for future environmental review.

With the master plan complete, our team is transitioning to NEPA review. NEPA review is necessary as the vast majority of the planned trail system is on National Forest Lands. We are currently working to initiate an environmental assessment of the project at the direction of the Ouachita National Forest. Due to the landscape scale of the project, this will be an innovative and streamlined NEPA process that relies heavily on post decision survey/clearance protocol. As an outcome of the NEPA analysis, it is expected that a final Memorandum of Agreement would be formed outlining the user agreement, permitting mechanisms, and other operational and maintenance responsibilities for the planned trail network.

To ensure the City of Mena can realize the full potential of the future trail system and is prepared for potential increases in visitation, our community planning team has been engaged by the City to prepare a Vision Plan for downtown revitalization in Mena.





# Arkansas River Corridor Master Plan

Cañon City, Colorado

SE Group was retained by Cañon City to help prepare a master plan for the Arkansas River Corridor. As the river is an important recreational asset, the City realized its land use policies, development patterns, and recreational infrastructure should be adjusted to improve public accessibility and recreation, strengthen the link between the River and Main Street, and encourage new riverfront development that supports economic development.

Working with a team that included Mary Hart Design and Round River Consulting, SE Group led a public planning process to envision new development and recreational options in balance with riparian restoration and environmental stewardship goals. The efforts included a series of public meetings and workshops and close interaction with key stakeholder groups and the city. A 3D unmanned aerial vehicle (UAV) flight early in the process acquired detailed 3D point cloud data for the corridor, helping establish the existing visual character providing an important base on which planning work could be undertaken.

The resulting plan (adopted in December 2017) includes land use recommendations, design parameters, and an illustrative plan to remodel the existing riverfront park to guide the City in future rezoning efforts and recreational upgrades. Illustrative plans, cross-sections and perspective drawings help communicate important attributes within new land use zones. Following approval of the plan, the City received a GOCO grant for river improvements to enhance the experience for both residents and visitors. Funded improvements include an outdoor classroom, new play waves on the river, existing boat take-out upgrades, and a gate system for competitive paddlers.



Rendering by Joe McGrane



# MRV Moves Active Transportation Plan

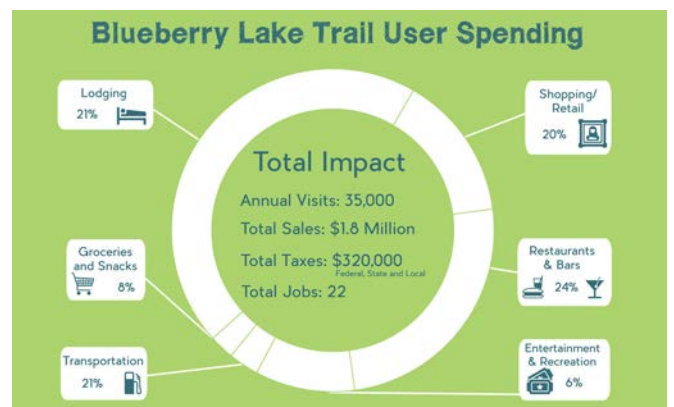
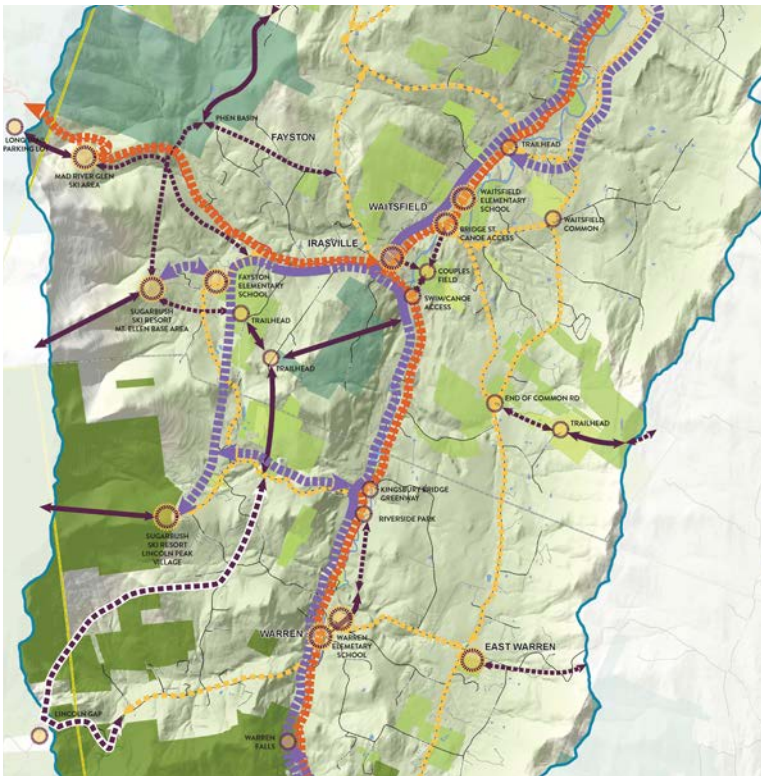
Mad River Valley, Vermont

The MRV Moves Active Transportation Plan is a multi-agency planning process funded through the Vermont Stronger Communities, Better Connections Program, a partnership of the Vermont Agency of Transportation (VTrans) and the Vermont Agency of Commerce and Community Development (ACCD).

Through a robust public involvement process, the MRV Moves Active Transportation Plan articulates a unified, multi-town, watershed-wide vision for recreational trails and non-motorized transportation facilities in Vermont's Mad River Valley. The plan explores how trails and active transportation integrate with economic development, enhance both visitor experiences and residents' quality of life, and improve transportation choices.

The Valley is blessed with a myriad of non-profit and government agencies working together on trails and active transportation. A critical component of this Plan was to create an advisory board consisting of all these partners to establish a cohesive and collaborative vision for the future, while building upon decades of their individual projects. Public engagement was also a cornerstone of the Plan, utilizing a variety of events (walking and biking tours) and techniques (surveys and project websites) for the community to get involved and explore ideas.

The primary product of the plan is a map of important connections and routes in the Mad River Valley. The plan also provides guidance for trail design and management standards, implementation, funding, permitting and approvals to carry the project into reality. The plan includes an important discussion of the unique definition of active transportation in the MRV, which blends both recreation and transportation, as well as the economic and social benefits of walking and biking, including an IMPLAN economic analysis and consideration of a progressive learning network to serve users of all ages and abilities. In the short time since the plan has been completed the IMPLAN economic analysis has already proven useful in making an effective case for active transportation improvements to the individual select boards in the region and to bring more supporters into the fold and create a progressive learning network to serve users of all ages and abilities.





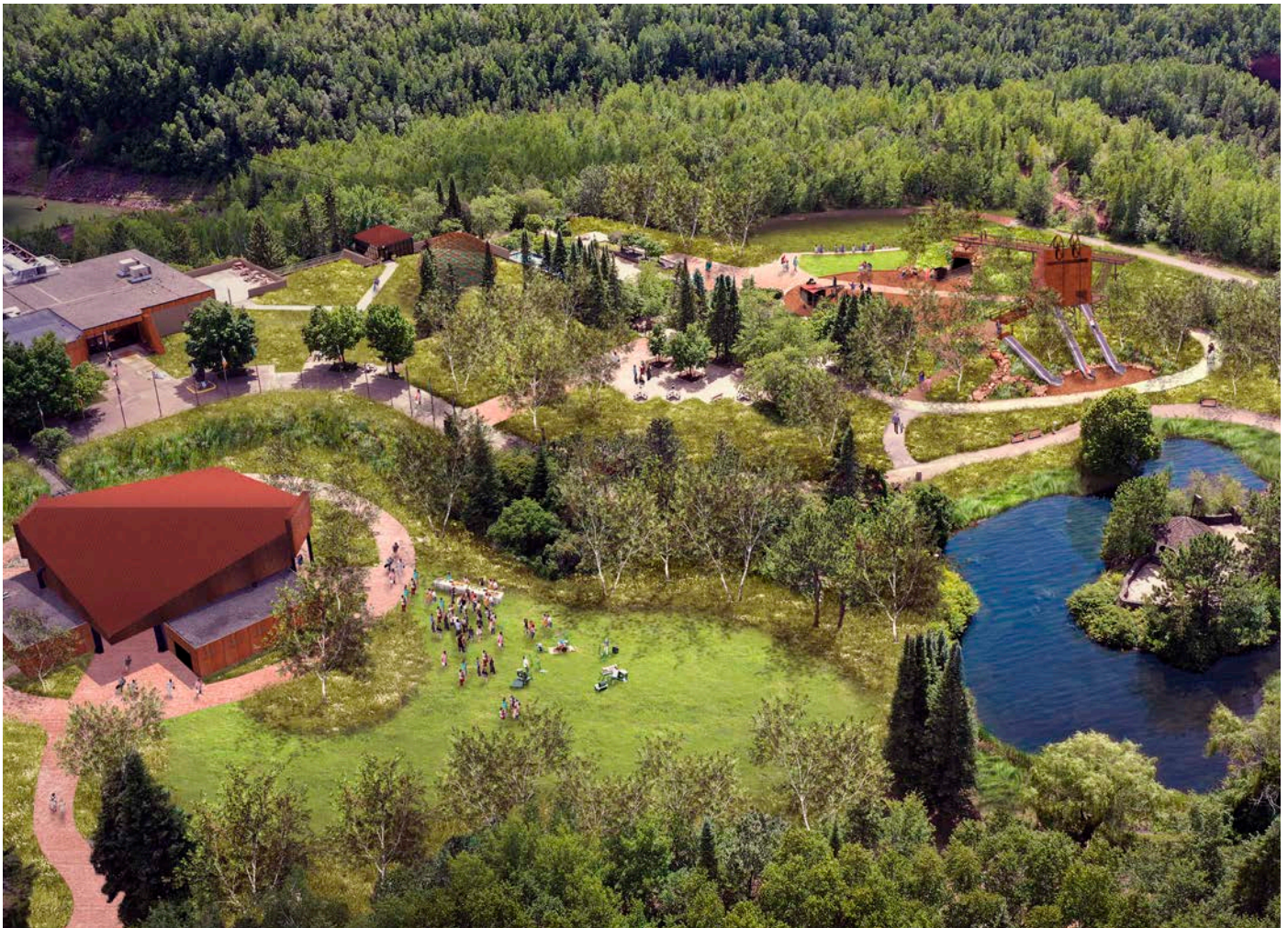
# Minnesota Discovery Center Master Plan

Chisholm, Minnesota

Minnesota Discovery Center is a nonprofit institution and the state’s largest museum complex outside of the Twin Cities metro area. The Minnesota Discovery Center tells the story of the Iron Range—“The Land, The Mines, The People and The Work.” Exhibits, interpretation, programming and research materials comprise this Museum, Research Center, and Park.

Through a multi-partner collaborative process, SE Group developed a Master Plan for the center that will establish a mix of amenities, offerings, and activities that will form a cohesive and well-integrated experience. The Master Plan builds upon the strengths of the existing facilities while looking at ways to capture additional revenue to support the center’s mission. Collaborating with local architects ARI ensures that the site plan is coordinated with proposed building additions, including an expanded event center, a new restaurant with outdoor dining, and a new centralized entrance to the complex.

Additionally, the Master Plan looks at ways capitalize on the recently constructed Redhead Mountain Bike Park, which weaves world-class mountain bike trails through their 660-acre property. With stunning views of cliffs overlooking the lake at the bottom of the excavated mine area, these trails are expected to draw new visitors to the area. SE Group is explored ways to ensure that a well-rounded family experience is provided, including cabin lodging and hiking trails. New outdoor amenities proposed include a mining-themed play area, an adventure tower with zip lines, and a bike skills area. A market assessment and financial analysis of new offerings and upgrades will provide important backing for future investment.





# Frisco Complete Streets Plan

Frisco, Colorado

Over the past 10 years, the Town of Frisco and the surrounding area has grown steadily, placing more demand on the street network in Frisco and transforming its central core area. Anchored by a lively and walkable Main Street, the streets in and connecting to downtown have redeveloped quickly, placing new demands on the transportation network to provide safe and reliable mobility options for residents, workers, and visitors. More than ever, Frisco is at a moment to rethink and re-envision its streets. There are increasing demands to access Main Street and side street businesses, new market-rate and affordable residential developments housing new residents and visitors, as well as emphasized importance as a regional hub for the many mountain destinations surrounding the town.

Beginning in summer 2021, the Town of Frisco began the process to develop the Downtown Complete Streets Plan. The planning effort was led by Community Development Department staff, SE Group, and a Project Management Team composed of the Town Manager, Town Council and Planning Commission representatives, and staff representing other Town departments including Public Works and Recreation and Culture. This Plan reflects the knowledge, priorities, and values of community participants, the Project Management Team, Town staff, and other stakeholders about how to best transform Frisco's downtown streets to meet the needs of current residents and generations to come. The Frisco Downtown Complete Streets Plan sets out how Complete Streets in downtown Frisco can serve the needs of all road users regardless of travel mode, and how Frisco's streets can be more inviting, active, and supportive of the Town's economic and social life.



# Communicating Ideas

Creative communication of plan development and implementation is a key component and strength of any SE Group project. Clear visual graphics are essential to making plans easier to understand and use on a day-to-day basis. Whether 3D visualization, GIS mapping or graphic layouts, our team utilizes a variety of tools to help communicate complex ideas in ways that are clear and engaging. The following are examples of visual communication graphics that have been created and used for public engagement, concept development, and inclusion into final plan documents.

## PROJECT BRANDING



Vermont Town Forest  
Recreation Planning

## PLAN GRAPHICS, CONCEPT RENDERING & MAPPING

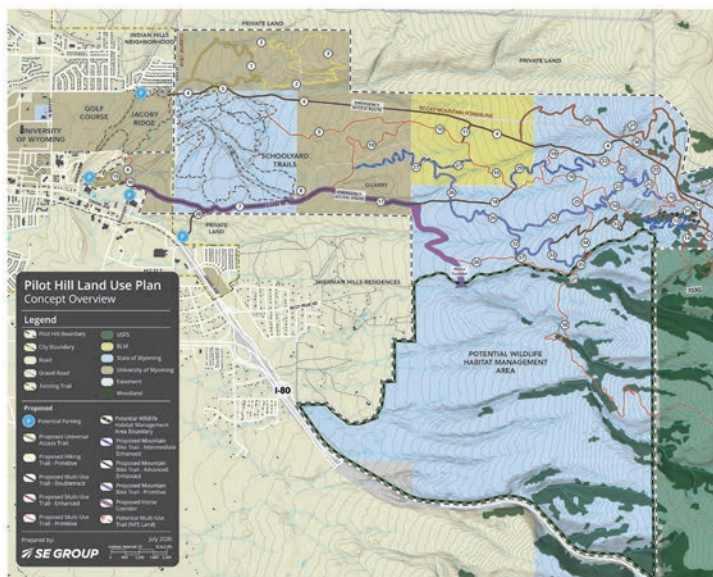
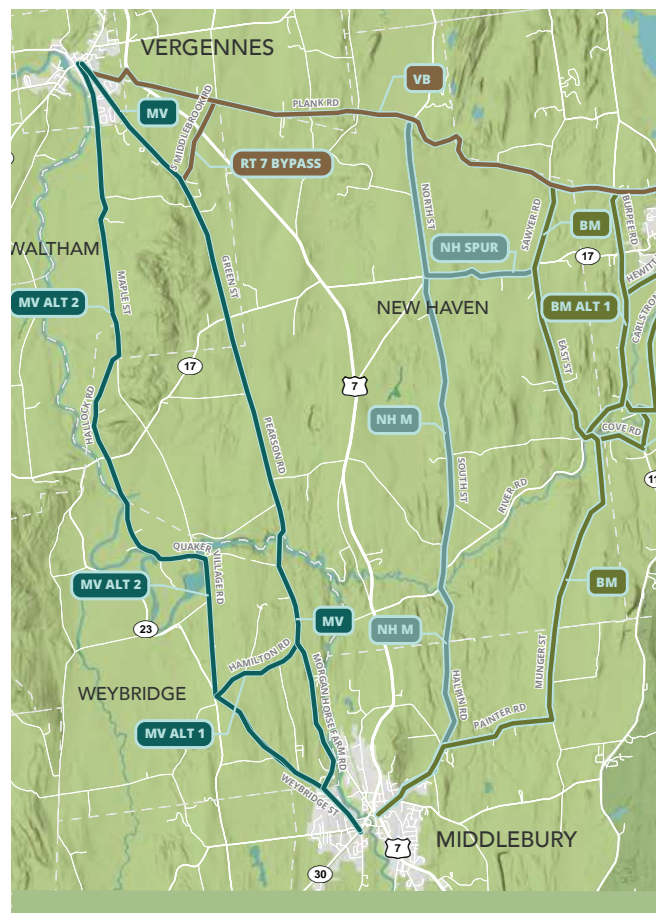


Figure 6: Triangle at Main Street and Depot Street

- Streetscape
- Wayfinding
- Pedestrian Lights
- Crosswalk
- Sidewalk/Sidepath
- Bike Lane/Sharrows
- Underground Utilities





# TRAIL DESIGN TYPICALS/SPECIFICATIONS

## Estes Valley Recreation and Park District Estes Valley Trail Typology

### Trails (Non-Motorized)

#### Natural Surface Trails

##### Rugged Trails



In general, natural surface trails are characterized as:

- Narrow mountain trails designed as sustainable, rolling contour trails that have minimal impact on natural systems
- Trail tread should include benching, outslipping, grade reversals, armoring, switchbacks, and other techniques to minimize erosion and wear by trail users
- Frequently smooth and flowing, with features like banked turns, rolling terrain, and consistent and predictable surfaces
- Tend to wind around obstacles such as trees, large rocks and bushes
- If intended for singletrack mountain biking, may also exhibit technical sections with features such as roots, logs and rocks, or man-made technical features such as elevated bridges, jumps, teeter-totters, and drop-offs

#### Multi-Use Paths

##### Graded Trails



Trail tread is graded and level, often designed to provide accessible outdoor recreation opportunities.

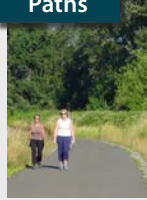
##### Non-Motorized Uses:

- RMNP**  
Provides accessible trails for:
- pedestrian users
  - wheelchairs
  - baby strollers
  - cross-country skiers
  - snowshoeing
  - no dogs, bikes, or equestrians

- Larimer County**  
• mountain biking  
• hiking  
• jogging  
• horseback riding  
• snowshoeing  
• nature observation

- USFS**  
• does not currently have any multi-use paths

##### Paved Paths



Shared use paths designed to accommodate non-motorized users, including wheelchair access.

##### Non-Motorized Uses:

- RMNP**  
• all forms of self-propelled modes of travel, except bikes  
• also allows use of mechanical mobility assist devices  
• no dogs, bikes, or equestrians

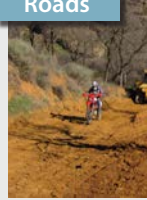
- Larimer County**  
• all non-motorized users  
• power-driven mobility assist devices

- USFS**  
• does not currently have any multi-use paths

### Roads (Motorized & Non-Motorized)

#### Natural Surface

##### OHV Roads



Trails and roads that allow Off Highway Vehicles (OHVs) and have wide treads created by four-wheeled vehicle use.

##### Allowed Users:

- RMNP**  
• does not allow OHV use
- Larimer County**  
• does not manage any trails or roads for OHV use
- USFS**  
Mix of road users include:  
• dirt bikes  
• off-road all terrain vehicles  
• motorcycles  
• highway legal four-wheeled drive vehicles  
• mountain bikes  
• also have singletrack trails for motorcycle use

- USFS Specs**  
• 8"-72" width when designed for motorcycle use  
• 72"-16" width when designed for larger 4-wheel drive vehicles  
• 10% -25% grade

#### Soft Surface

##### Graded Roads



Gravel roads and other graded dirt roads, often with seasonal closures.

##### Non-Motorized Road Users:

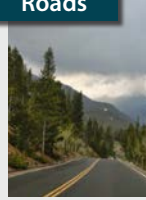
- RMNP**  
• on-road cycling  
• mountain biking  
• limited equestrian use
- Larimer County**  
• on-road cycling  
• mountain biking  
• equestrian use

- USFS**  
• on-road cycling  
• mountain biking

- General**  
• typ. 20'-22" wide roadbed

#### Asphalt

##### Paved Roads



Internal service roads and U.S., State, and County highways.

##### Non-Motorized Road Users:

- RMNP**  
• on-road cycling
- Larimer County**  
• on-road cycling  
• equestrian use on roadway shoulders
- USFS**  
• on-road cycling

- General**  
• typ. 10'-12' travel lanes  
• may or may not have shoulders

Intended Users

Design Specs

##### Mt. Biking



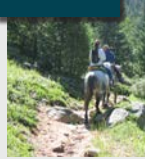
- Tread Width**  
• 12"-18" narrow trail tread for singletrack experience
- Corridor Width**  
• 5'-7'
- Corridor Height**  
• 8' vertical clearance
- Width of Bridges/Features**  
• varies
- Average Grade**  
• <10% grade desired for sustainable trails
- Maximum Grade**  
• 15% - 20% with frequent grade reversals; or 1/2 the grade of the sideslope
- Outsloped Grade**  
• 5%

##### Hiking



- Tread Width**  
• 12"-24" rugged trail tread  
• 36"-60" for accessible segments
- Corridor Width**  
• 3'-6'
- Corridor Height**  
• 8'
- Width of Bridges/Features**  
• varies
- Average Grade**  
• <10% grade desired for sustainable trails
- Maximum Grade**  
• 15% - 20% for <100'  
• 10% for <50' for accessible segments
- Outsloped Grade**  
• 5%

##### Equestrian



- Tread Width**  
• 24"-48" rugged trail tread
- Corridor Width**  
• 8'-10'
- Corridor Height**  
• 12'
- Width of Bridges/Features**  
• 5'-12'
- Average Grade**  
• 5% - 12%
- Maximum Grade**  
• 15% - 20% for <200'
- Outsloped Grade**  
• 2% - 5%

- Tread Width**  
• 4'-10' graded trail tread  
• 8'-10' if allowing bicycle use
- Corridor Width**  
• 12'-14'+  
• 2' min. clear shoulders
- Corridor Height**  
• 10'
- Width of Bridges/Features**  
• trail width, +2' on both sides
- Average Grade**  
• 1% - 3% for finely crushed rock surfaces
- Maximum Grade**  
• 5%
- Outsloped Grade**  
• 2% - 5%

- Tread Width**  
• 10' min. asphalt or concrete  
• 10'-14' for heavier multi-use
- Corridor Width**  
• 14'-18'+  
• 2' min. clear shoulders
- Corridor Height**  
• 10'
- Width of Bridges/Features**  
• trail width, +2' on both sides
- Average Grade**  
• <5%
- Maximum Grade**  
• 5%  
• 8.3% for <200'  
• 12% max. for <10'
- Outsloped Grade**  
• 2%

## TYPOLOGIES

### Multi-use path



### Primitive soft-surface multi-use trail



