April 21, 2023

Town of Dillon

FEE PROPOSAL FOR TOWN OF DILLION TRAILS MASTER PLAN

Presented To

Town of Dillon
Scott O'Brien
Public Works Director
275 Lake Dillon Drive
Dillon, CO 80435

Presented By

DJ&A
1526 Cole Boulevard,
Suite 370
Lakewood, CO 80401
720.768.6385
djanda.com

Section IV: Billing Rates and Staff Hours

DJ&A's estimate of staff hours and the resulting proposed fee based on our staff billing rates is presented on the following page. Per the Town's instructions in the RFP, we have included time for (3) two-hour onsite meetings with Town Staff, (1) two-hour community meeting, and (1) presentation to the Town Council. Our fee estimate includes reimbursable expenses that are anticipated to be incurred as part of the development of the Master Plan.

Fee Proposal

Project: Trails Master Plan
Client: Town of Dillon
DJ&A Project Number: 23133

		Project Manager	Principal-in-Charge	Senior Designer	Civil Engineer	GIS Analyst	Designer/ Graphics	TOTALS
	Rate	$216.00	$247.00	$156.00	$189.00	$124.00	$105.00	
Item	**Task**							
1	Review and Map Existing Infrastructure	16.0	6.0	4.0	4.0	52.0	16.0	$ 14,446.00
2	Evaluate Existing Infrastructure and Access	8.0	2.0	6.0	16.0	20.0	44.0	$ 13,282.00
3	Evaluate Types of Use, Equity, and Sustainability	20.0	8.0	12.0	8.0	16.0	36.0	$ 15,444.00
4	Review Relevant Planning Documents	2.0	0.0	2.0	2.0	0.0	12.0	$ 2,382.00
5	Recommendations for Existing Infrastructure	16.0	1.0	8.0	16.0	0.0	24.0	$ 10,495.00
6	Recommendations for New Improvements to Connect Town	16.0	1.0	16.0	12.0	0.0	24.0	$ 10,987.00
7	Recommendations for New Improvements for Future Development	16.0	1.0	16.0	12.0	0.0	24.0	$ 10,987.00
8	Recommendations for Trail Maintenance	4.0	1.0	4.0	12.0	0.0	4.0	$ 4,423.00
9	Draft and Final Plan and Presentation	36.0	4.0	8.0	8.0	24.0	40.0	$ 18,700.00
	Total Hours	134.0	24.0	76.0	90.0	112.0	224.0	660.0
	Total Labor Cost	$28,944.00	$5,928.00	$11,856.00	$17,010.00	$13,888.00	$23,520.00	**$101,146.00**
Project Summary								
	Total Hours	134.0	24.0	76.0	90.0	112.0	224.0	**660.0**
	Total Labor Cost	$28,944.00	$5,928.00	$11,856.00	$17,010.00	$13,888.00	$23,520.00	**$101,146.00**
	check	$28,944.00	$5,928.00	$11,856.00	$17,010.00	$13,888.00	$23,520.00	**$101,146.00**
							Project Total Direct Labor Costs	**$101,146.00**

Direct Expenses	**quantity**	**rate**	
mileage	1470.0	$0.655	**$963.00**
per diem	5.0	$45.00	**$225.00**
lodging	5.0	$250.00	**$1,250.00**
materials, printing, postage, etc. (assumes printing of 4-5 boards for community workshop and handouts)	1.0	$1,000.00	**$1,000.00**
		Total Direct Expenses	**$3,438.00**
		Total	**$104,584.00**

1526 Cole Boulevard, Suite 370
Lakewood, CO 80401
T 720.768.6385
djanda.com

ENGINEERS
PLANNERS
SURVEYORS

April 21, 2023

Town of Dillon

PROPOSAL FOR TOWN OF DILLION TRAILS MASTER PLAN

Presented To

Town of Dillon
Scott O'Brien
Public Works Director
275 Lake Dillon Drive
Dillon, CO 80435

Presented By

DJ&A
1526 Cole Boulevard,
Suite 370
Lakewood, CO 80401
720.768.6385
djanda.com

DJ&A, P.C.
1526 Cole Boulevard, Suite 370
Lakewood, CO 80401
djanda.com

April 21, 2023

Scott O'Brien
Public Works Director
Town of Dillon
275 Lake Dillon Drive
Dillon, CO 80435

Re: Request for Proposals – Town of Dillon Trails Master Plan

Dear Mr. O'Brien:

DJ&A, PC is pleased to present our proposal to the Town of Dillon for multi-use trail master planning consulting services in support of the development of the Trails Master Plan. We have successfully completed hundreds of similar projects for municipalities, counties, tribal nations, and federal clients since 1973. We understand that the Town seeks an experienced consultant to analyze and map existing trail locations and conditions, identify improvements needed for existing trails, and propose locations and alignments for new trails. DJ&A is a public-focused, multidisciplinary professional services firm, with a local office in Lakewood and proven capacity to provide the services required for this project.

Name and Address of Proposer's Firm

DJ&A's local office is located at:

1526 Cole Boulevard, Suite 370
Lakewood, CO 80401

Our core project team, including our proposed contract manager, is based out of our Lakewood office, allowing us to be responsive and available to Town staff throughout the duration of this contract.

Individual Authorized to Represent the Firm

Bill Delo will be the Town's point of contact for matters related to this request for proposals. Please do not hesitate to reach out if you have any questions related to our submission or qualifications. Bill can be reached at 949.293.0676 or bill.delo@djanda.com.

How DJ&A is the Best Fit for this Project

We Excel at Helping Public Agencies Complete Trail Planning and Design Projects

Over the past 50 years, DJ&A has completed hundreds of successful trail planning, design, and implementation efforts, helping local, state, and federal agencies deliver a range of multimodal trail improvements. This experience includes multi-use trails located within local communities, as well as paved, improved, and primitive trail planning and design in wilderness or remote areas. Relevant project examples are highlighted in our proposal.

DJ&A, P.C.
1526 Cole Boulevard, Suite 370
Lakewood, CO 80401
djanda.com

We are Proposing the Right Project Manager

We have organized our team under the direction of our project manager, Bill Delo, AICP. Bill brings over 24 years of experience working with local municipalities on multimodal transportation projects. He also has extensive experience in the development of multi-use trail plans, trail feasibility studies, and active transportation plans. This broad background makes Bill well-suited to managing this contract on behalf of DJ&A and to be responsive to the Town's needs for this planning effort.

Our Company Focus is Public

DJ&A focuses the vast majority of our work in the public sector, delivering public works projects for local, state, and federal agencies. As requested, this proposal highlights specific project examples that present our experience and qualifications in delivering trail planning and implementation projects. Our collective project experience demonstrates our team's expertise and ability to plan, design, and support the implementation of on-street and off-street multi-use trails across a wide range of communities and environments.

We are Experienced in Working with Residents to Improve Their Communities

We recognize that the development of the Master Plan will include community workshops and the involvement of the community as part of the planning process. Our project manager and key staff members are highly experienced in working with communities to ensure that trail plans and proposed projects meet the needs of community members for access, mobility, and recreation.

Thank you for the opportunity to present DJ&A's qualifications and approach for this project. We would greatly appreciate the opportunity to serve the Town of Dillon.

Sincerely,

Perry Palmer, PLA
Denver Regional Office Lead

Bill Delo, AICP
Senior Project Manager

Section I: Introduction and Executive Summary

Firm Profile

DJ&A offers the Town of Dillon unparalleled experience in multi-use trail planning. We are a multidisciplinary professional services firm, with a local office in Lakewood, Colorado, specializing in public works and transportation projects for local, state, and federal agencies. With 50 years of experience serving the needs of local communities and public agencies, we're proud of the work we do to transform our own communities. DJ&A has built a strong reputation in local communities, as well as with state and federal agencies, throughout the Mountain West for developing innovative, implementable solutions for trail planning, rehabilitation, expansion, and construction. These projects represent a broad geography and range of settings and environments. Further, our Lakewood-based project manager brings over 24 years of experience in managing studies and planning efforts involving multi-use trails and active transportation.

The Town of Dillon is facing increased visitation pressures and change. DJ&A has extensive experience working with public agencies, including the U.S. Forest Service and National Park Service, which are dealing with these same pressures and challenges. Further, our in-house team offers the Town all the planning, design, GIS, engagement, and graphic expertise needed to complete the Master Plan without the need to work with subconsultants. As a result, we bring relevant, transferrable lessons learned to help Dillon develop a plan that is responsive to the Town's needs and can be implemented to address these needs in the future.

Overview of Experience

Details of DJ&A's relevant project experience can be found in the section following this Executive Summary. These projects include:

- Missoula to Lolo Trail, Missoula, MT
- Bitterroot Trail Extension, Missoula, MT
- Bozeman Area Alternative Transportation Study, Bozeman, MT
- Red Rocks Trail, Clark County, NV
- Irvine Business Complex Multi-Use Trail Feasibility Study, Irvine, CA (completed by our Project Manager)
- OC Active, Orange, CA (completed by our Project Manager)
- Bahia Grande Trail, Brownsville, TX
- Fish Creek Falls Trail, Steamboat Springs, CO
- Kennesaw Mountain Multimodal Trail, Atlanta, GA

DJ&A offers the Town of Dillon the following key differentiators related to our capabilities and experience:

- Multi-disciplinary capabilities – DJ&A brings all the capabilities and experience necessary to complete the Trails Master Plan. Our staff are experienced in trail planning and design, community engagement, GIS mapping, and multimodal transportation planning, allowing us to fulfill all the requirements of this RFP as a single firm, without the need for subconsultants.
- Diverse trail planning and design experience – As shown in our project qualifications, DJ&A has completed planning and design efforts for a multitude of trail projects in different environments.

Our trail planning and design experience includes soft and hard-surface trails, remote and developed locations, and work with a range of local, state, and federal agencies.

- Project manager experience – Our Colorado-based project manager for the Trails Master Plan brings over 24 years of diverse transportation planning experience. This experience includes the development of trail feasibility studies and active transportation plans for numerous clients.
- Commitment to quality – Quality is the cornerstone of DJ&A's success and track record of repeat work with our public sector clients. We perform rigorous quality assurance and quality control on every project. With this commitment, we can ensure that the Town will receive deliverables and work products that are highly relevant, accurate, and that meet or exceed the Town's expectations.

Interest in This Project

The DJ&A team is excited to submit this proposal to the Town of Dillon to prepare the Trails Master Plan. This planning effort represents a unique opportunity to enhance access, mobility, and recreational opportunities in a community that members of our project team regularly visit and enjoy. The ability to improve quality-of-life in your own backyard is special and that makes us enthusiastic about the opportunity to work on this project.

Our Lakewood-based project manager, Bill Delo, has focused his career on helping local agencies improve multimodal mobility in their communities. Bill enjoys working with communities and residents to understand their mobility needs and identify implementable solutions that enhance access, safety, and quality-of-life. The Trails Master Plan aligns both with Bill's experience and his interest in developing plans that improve communities and set the stage for project implementation in the future.

Key Staff Profiles

We have assembled an experienced team of professionals to successfully deliver the Trails Master Plan for the Town of Dillon. Brief profiles of each staff member are provided below. Resumes for all staff are located in the Appendix.

Bill Delo, AICP
Project Manager

Bill is a Senior Project Manager and Transportation Planner with 24 years of progressive experience in multimodal transportation project management and planning; he brings additional expertise in active transportation planning and design and trail feasibility studies. Key examples of his project management expertise include leading the City of Irvine's Business Complex Multi-Use Trail Feasibility Study and managing the Orange County Transportation Authority's Active Transportation Plan (OC Active). He has extensive experience leading multidisciplinary projects that enhance mobility, connect communities, and reduce reliance on single-occupancy vehicles.

Perry Palmer, RLA
Principal-in-Charge

Perry is a Senior Project Manager, landscape architect, and planner with 31 years of experience. His professional career has allowed him to work on a wide variety of relevant recreation planning projects for

the National Park Service, Federal Highway Administration, and state DOTs. These include planning studies, feasibility studies; transportation planning efforts; and the design of parking lots, pedestrian infrastructure, accessibility improvements, and corridor enhancements. Perry has a proven track record of organizing and directing multi-disciplined and multi-office teams on difficult and fast-paced projects. He was project manager on three of the projects highlighted in this proposal, including the Bahia Grande Trail, Kennesaw Mountain Recreational Trail, and the Fish Creek Falls Trail.

Chris Brandriet, LA
Landscape Architect

Chris is a registered landscape architect and site planner with over 17 years of experience and expertise in planning, design, and construction. He has significant experience serving as a landscape architect and project manager on projects for trails and parks across the country. Chris has experience with designing pedestrian areas, roadways, stormwater utilities, irrigation systems, drain systems, trails, parks, and urban plazas.

Donny Pfeiffer, P.E.
Transportation Engineer

Donny is a professional engineer and project manager with more than 17 years of experience providing design, management, and quality control oversight on transportation projects for federal, state, and local agencies. Prior to joining DJ&A, Donny served in project management and design roles at state DOTs. He has experience leading a wide range of trail planning and design projects, and on projects involving multiple stakeholders and multidisciplinary teams. Donny is currently serving as the project manager for the Red Rocks Trail Design effort highlighted in this proposal. He also managed the Montana Rail Link Park Design and Bitterroot Trail Extension project.

Ben Sundy, GISP
GIS Manager

Ben is GIS Manager at DJ&A and has over 13 years' experience in the field. He performs substantiated GIS analyses, analyzes aerial imagery, interprets maps and corresponding legal documents, and produces cartographic visualizations of datasets by means of maps, tables, and graphs both hosted online and in print. Additionally, Ben provides technical support for field data collection by preparing and maintaining field equipment, developing data capture applications, managing the flow of data in and out of the office, and preparing field collected data for use in ArcGIS and other software.

Rachel Bakker
Graphic Design/Landscape Designer

Rachel is a landscape and site designer with over four years of experience in the design of public amenities, culturally significant places, and a variety of trail planning projects. Rachel also has extensive graphic design experience in both print and digital media. She is highly adept with programs in Adobe suite, including InDesign, Photoshop and Illustrator, as well as 3D modeling programs.

Project Understanding

The DJ&A Team understands that the Town of Dillon is interested in the following objectives:

- Document the location and condition of existing trails
- Identify needed improvements, enhancements, and extensions to existing trails
- Propose new trails within the Town to serve new development and provide connections to existing trails
- Adopt a Master Plan that details an action plan for the Town to follow for trail implementation, expansion, and maintenance

To understand the Town's existing and future needs for its trail network, a comprehensive review of the existing trail network and relevant planning efforts is needed, along with up-to-date mapping. This planning effort must also look at future development and growth in the Town, as well as use expectations for the trail network to ensure that the plan identifies appropriate recommendations to maintain, enhance, and expand the trail network to meet existing and future needs.

Scope of Work Outcomes and Benefits

DJ&A has carefully developed a comprehensive proposed scope of work for the Town of Dillon Trails Master Plan. Please see Detailed Scope of Work, page 15, for a full discussion on what we propose and how our work will address each of the eight key tasks outlined in the Town's RFP, Section D. Below, we've highlighted outcomes and benefits of this proposed plan.

- **Review, inventory, and map existing trails, sidewalks, and other infrastructure** – This project component will establish existing conditions for trails and sidewalks in Dillon. We will complete this inventory using a combination of field review and geospatial data collection using ESRI Field Maps and will provide all published map and ArcGIS shape files necessary. Use of Field Maps for observations and recording of trail conditions enables superior data collection and the ability to transfer information efficiently into the GIS database for mapping. DJ&A's GIS group has used this method for data collection on several large-scale roadway and power line data collection efforts, giving our team advanced knowledge of this approach and allowing us to streamline the inventory and data gathering efforts.
- **Evaluate existing infrastructure and trail conditions** – DJ&A will apply our experience working with multi-use trails in a variety of environments and geographies to complete a thorough evaluation of current conditions for existing trails in Dillon. This information will be incorporated into the GIS database.
- **Solicit community input on trail needs and recommendations** – DJ&A will organize and facilitate a community workshop to develop critical understanding of the needs and desires of the community for trails, access, and mobility – and their priorities for system improvements. We also propose to develop a map-based online survey, independent of the workshop, that community members and visitors can use to provide input on existing and proposed trails. Online survey tools including Maptionnaire and Social Pinpoint are available for this online map-based survey, and we have included an optional cost for including one of these survey platforms in the community engagement effort.

- **Develop strategies to enhance the connectivity of the existing trail network** – Dillon's existing trail network provides good coverage of the community and connects to several key destinations. However, there are existing gaps in the network and opportunities to make some connections to key destinations more convenient and efficient in portions of the town. In this effort, we will review and evaluate the types of use, equity, and sustainability of the existing infrastructure as well as primary connection nodes and access to the system. We'll then identify strategies to address gaps, as well as to enhance the existing trail network from a use, safety, and comfort standpoint.
- **Propose ways to expand the trail network to serve new development and future demand** – Dillon is facing growth pressures as the community and the greater Summit County area continues to grow. New development will create increased demand for trail use and new trail facilities are necessary to connect to these areas of new development. We will conduct a thorough review of the Town's Comprehensive Plan, Parks & Recreation Master Plan, Town Center Connectivity Project, and Park Walkability Plan. Using these [and a review of current development proposals], DJ&A will identify proposed locations for new trails, attributes of these trails (surfaces, width, etc.), and better connections between various areas of Dillon.
- **Provide the Town with a Trails Master Plan for implementing all recommendations** – Using all the information outlined above, we will develop a Master Plan that we envision as a roadmap for the Town to follow to implement recommendations and strategies identified through this planning process. The Master Plan will outline near-term, mid-term, and long-term actions, Town department leads, and a timeline to move plan recommendations towards implementation. As an added benefit, we will also identify potential funding opportunities the Town could explore and pursue.

Section II: Relevant Past and Current Projects

We present below several relevant examples of DJ&A's project experience in multi-use trail planning and design. In addition to DJ&A's firm experience, we also include two relevant example projects that our proposed project manager has led during his career.

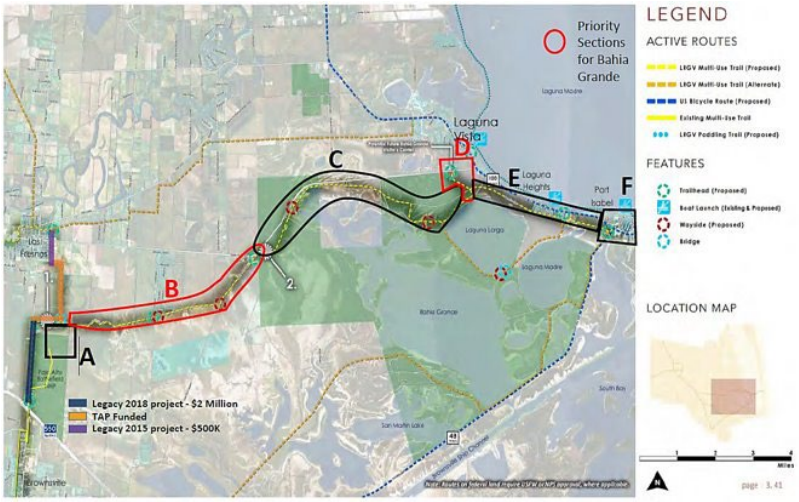
***Project*: Missoula to Lolo Trail (Missoula, MT)** ***Client*: City of Missoula/Missoula County/Montana Department of Transportation**	
RELEVANCE	• Project included trail feasibility study, trail alignment planning, and trail design work • Project began with a planning feasibility study, which led to subsequent design-related task orders through final design • Demonstrates technical expertise in trail planning and trail design

In cooperation with Missoula County, the City of Missoula, and the Montana Department of Transportation, DJ&A was awarded a contract to design an eight-mile, multi-use path between the two communities of Missoula and Lolo, Montana. DJ&A began work on the Missoula to Lolo Trail when awarded a $120,000 feasibility study. DJ&A subsequently was selected to provide engineering design, surveying and construction support services. Although the prominent feature of this project is an eight-mile, 10'-wide, multi-use path, the project also included approximately 4,700 linear feet of curb and gutter and an additional 3,000 square yards of sidewalk.

The primary purpose of this project was to provide a safe route for pedestrians, commuters, recreationalists and long-distance cyclists along one of the area's busiest corridors. This project highlights DJ&A's integral role with the completion of key segments of the larger Bitterroot Trail over the past five years. Throughout this time, DJ&A coordinated closely with the Missoula Redevelopment Agency, Missoula Parks & Recreation staff, City officials, Development Services staff, and other project stakeholders. As a result of careful and persistent planning, the Missoula to Lolo Trail provides an improved multimodal connection, with commuter, recreation and health benefits.

***Project*: Bahia Grande Trail Planning (Brownsville, TX)** ***Client*: Federal Highways Administration**	
RELEVANCE	• Assessed trail feasibility and ways to improve connections and access to key destinations • Evaluated several different trail configurations and surfaces • Recommendations focused on serving different user groups and encouraging healthier lifestyles for nearby residents • Focus was on identifying implementable solutions that could build on each other and be implemented over time

The Bahia Grande Trail is a 20-mile long trail that connects key destinations in and around the City of Brownsville, CA. DJ&A led the planning effort for the Bahia Grande Trail Active Plan, which presents an overall vision for the proposed trail alignment and estimated costs for the trail. This study assessed the feasibility of constructing the Bahia Grande Trail and refining its alignment based on varied environmental, engineering, economic, and social factors.



As part of the planning effort, DJ&A looked at the demographic and travel patterns of residents in Cameron County, CA. and completed a comprehensive review of previous planning efforts. Community engagement included multi-lingual project information, online and in-person activities, strategic digital tools, and engagement of targeted stakeholders. A key emphasis of the trail was enhancing connections to nearby federal landmarks, encouraging both visitation to these landmarks, as well as health activity among local residents.

The trail was broken up into six segments for evaluation based on diverse existing conditions and landowners. A recommended typical section was developed for each segment based on these conditions.

Project: Montana Rail Link Park Design and Bitterroot Trail Extension (Missoula, MT)
Client: Missoula Redevelopment Agency

RELEVANCE	• Trail alignment connects to a major local recreation destination • Trail sections include off-street paved surfaces, off-street un-paved surfaces, and street crossings • Demonstrates technical expertise in trail alignment planning and design

DJ&A provided engineering, surveying, and construction management support for two neighboring redevelopment projects within the Johnson Triangle, a blighted parcel in the heart of Missoula, Montana being transformed into a city park and trail connection. At the 4.5-acre future park site, DJ&A was responsible for design of irrigation and potable water systems, a pavilion shelter, sports fields, playground areas, garden spaces, trail and sidewalk, roadway improvements, and a bus stop. The new park development included more than 1,500 lineal feet of accessible trails and sidewalks. The MRL Park site is located within an underserved area lacking open public park space. The park design includes community garden plots, aiding in building community involvement through agriculture.

On the adjacent trail project, DJ&A designed the last remaining segment of the Bitterroot Trail (2,200 feet) along an active railroad corridor. This connection laid the 'golden spike' in the Bitterroot Trail networks which connects Downtown Missoula to Hamilton, MT. This project also included the design and construction of Montana's very first bicycle activated diagonal intersection crossing, equipped with bicycle triggered inductive loops and bicycle signal heads.

***Project*: Red Rocks Trail (Clark County, NV)** ***Client:* Federal Highway Administration, Central Federal Lands Division**	
RELEVANCE	• Developed trail alignment and surfacing recommendations • Evaluated feasibility for connections to recreational points of interest, campgrounds, and parking areas • Determined alignments to connect to existing trail sections

This current project develops a new, 25-mile trail network that aims to provide a safe and accessible recreational experience for Las Vegas residents and tourists in the Mojave Desert. DJ&A was tasked with scoping, PDP development, and design for one of six phases of the project. This project involves coordination with multiple agencies as well as conducting extensive natural resource surveys. Surveys included ESA-protected and BLM sensitive species, noxious weeds, and aquatic resources delineation. The DJ&A team worked closely with the client and partners to identify challenges, risks, and costs of the as-scoped project. The team recently completed the 30% preliminary engineering phase. DJ&A developed strong relationships with partner agencies (Clark County and BLM) to keep the project moving through NEPA clearance quickly. The project is now proceeding through the 70% design phase that includes the project environmental assessment.

***Project*: Bozeman Area Alternative Transportation Study (Bozeman, MT)**
***Client:* Federal Highway Administration**

RELEVANCE

- Assessed multimodal travel demand at popular recreation areas around Bozeman
- Conducted stakeholder interviews and public meetings
- Performed feasibility studies
- Identified a range of multimodal transportation solutions

The Bozeman, MT area has stunning recreational areas in all directions; however, access to many of these areas is problematic and demand is steadily increasing. As the dominant mode of transportation to these areas is automobiles, recreationalists are increasingly impacted by congested roadways, overflowing trailhead parking areas, unsafe roadway crossings and other concerns.

DJ&A led the 22-month Bozeman Area Alternative Transportation Study, funded by the U.S. Department of Transportation through the Paul S. Sarbanes Transit in the Parks Program, to develop seven conceptual designs for alternative transportation systems to increase safety and convenience of accessing these recreational areas.

In addition to providing engineering, planning, and surveying support, DJ&A led an intensive community and stakeholder engagement process to develop broad community support for the alternatives. The consultant team, led by DJ&A, was anchored by the guidance of a Technical Advisory Group (TAG), which included representatives from nine primary stakeholders at the local, city, county and state levels. The TAG convened formally on five occasions to guide the Consultant Team and offered valuable feedback throughout the process. DJ&A conducted 36 stakeholder interviews and held three public meetings.

One of the seven conceptual designs, "Bridger Canyon Road and Trailhead Improvements," recently served as the basis of a $4.5M federal funding request through the Federal Lands Access Program. This project will provide infrastructure needed for effective and safe access via multiple modes of transportation, including car, transit, shuttle, foot and bicycle, to three federal recreation sites north of Bozeman.

Project: **Fish Creek Trail (Steamboat Springs, CO)** ***Client:*** **U.S. Forest Service**	
RELEVANCE	• Assessment of trail existing conditions, including surface conditions, retaining wall conditions, and bridge conditions • Identified recommendations to improve the existing trail and enhance, longevity, access, and safety • Designed a series of trail upgrades, including improved drainage, new retaining walls, new trail bridges, and railing in areas with safety concerns

The assessment of the Fish Creek Falls Trail included site evaluation of the existing trail system to determine recommendations for repair and rehabilitation. Following this initial phase, DJ&A developed plans and specifications for recommended repairs. The Fish Creek Falls Trail is a popular primitive trail located near Steamboat Springs, CO. The trail is maintained by the U.S. Forest Service and serves tens of thousands of visitors each year. The existing trail is a soft surface and located along a ridgeline with steep drop-offs along one side. Years of erosion and runoff across the trail had created challenges for the existing trail surface, wooden retaining walls, and wooden bridges that supported the trail.

DJ&A led an effort to assess the existing trail, retaining walls, and trail bridges to determine where repair and replacement activities were necessary. This assessment identified several locations in need of repair and enhancement. DJ&A completed the design effort for the repairs, addressing issues related to drainage across the trail, retaining wall conditions, and bridge conditions. Accessibility along the trail was also assessed, with the ultimate study recommendation being to not make the trail accessible due to the existing slope, difficulty in adjusting the existing slope, and the presence of an alternative accessible trail nearby. DJ&A also developed a design concept for a wooden railing in locations where steep drop-offs created safety concerns for trail users.

Project: **Kennesaw Mountain Recreational Multimodal Trail (Atlanta, GA)**
Client: **National Park Service**

RELEVANCE

- Assessment of existing multi-use and multimodal facility
- Focus on balancing needs of different users and providing equity in access for different user types
- Required creative solutions and application of urban-style traffic markings in a rural/park environment

DJ&A led the planning effort to identify and evaluate alternatives for providing multimodal access along Kennesaw Mountain Drive. Kennesaw Mountain National Battlefield Park (KEMO) is a 2,965-acre National Battlefield that preserves a Civil War battleground of the Atlanta Campaign. The site is unique in its setting as a national park because of its location within the metropolitan region of Atlanta, and KEMO receives 2.5 million visitors annually.

Kennesaw Mountain Drive is a two-lane, asphalt paved roadway with an approximately 20-foot width and a length of 1.5 miles. The roadway has one foot or less of shoulder adjacent the road edge for approximately 80% of its length and is divided into two 10-foot lanes with parallel yellow striping. There are several predominate user groups of the roadway: pedestrians, cyclists, personal vehicles, shuttle, and various maintenance, emergency, law enforcement, utility, federal and state agencies. The existing mixed-use of the roadway in a confined 20-foot width has created conflicts between primary user groups all operating at varying speeds and unpredictably to other users. NPS sought to redesign the road cross-section to create designated lanes for defined user types that are separated by a delineation method. The goals and objectives of this project were to develop a strategy for shuttle, bicycle, and pedestrian roadway design concepts for Kennesaw Mountain Drive within KEMO to improve visitor experience. DJ&A developed a recommendation to provide a 10-foot, non-divided lane for pedestrians on the outside of the roadway and a 10-foot lane for vehicles on the inside of the roadway with bike access at specific times of day.

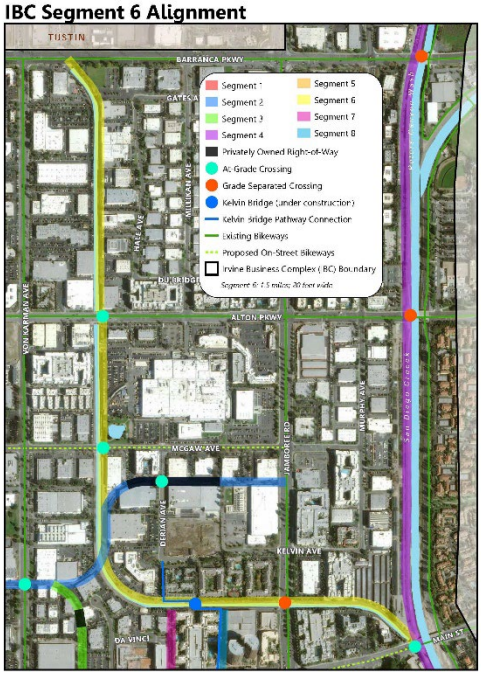
Project: **Multi-Use Trails Feasibility Study (Irvine, CA)**
Client: **City of Irvine – Irvine Business Complex**

RELEVANCE

- Identified nine potential new trail alignments and corridors
- Evaluated each trail corridor using defined criteria related to cost, width, street crossings, and challenges with implementation
- Developed final report that prioritized trail alignments and provided a roadmap for the city to follow for next steps

The Irvine Business Complex (IBC) has undergone significant changes over the past decade, transitioning from an office and industrial area to a mixed-use district that includes significant amounts of new multi-family residential uses. These new multi-family residential developments created the need for outdoor recreational opportunities within a portion of the city where such facilities did not exist. Prior to joining DJ&A, our proposed project manager for the Dillon Master Trail Plan project, Bill Delo, managed the effort to prepare a feasibility study for new multi-use trails throughout the IBC. The study evaluated nine different trail alignments and examined existing and former freight rail corridors, flood control channels, and other rights-of-way for their ability to accommodate a new trail.

IBC Segment 6 Alignment



Each trail corridor was evaluated using several different evaluation criteria, including cost, corridor width, corridor ownership, difficulty of street crossings, opportunities for linear parks adjacent to the trail, and connections to major origins and destinations. Community engagement was an important part of the study, with the project team leading several events and surveys to provide community members (both residents and local employees) to provide input on their preferences for trail amenities and locations.

***Project*: OC Active, Orange County's Active Transportation Plan (Orange, CA)** ***Client*: Orange County Transportation Authority**	
RELEVANCE	• Identified regional bicycle and pedestrian facilities across the County, including multi-use trails • Evaluated new multi-use trails, trail extensions, and upgrades and enhancements to existing trails • Developed priorities for multi-use trail implementation • Included coordination with local and regional public agencies

Prior to joining DJ&A, our project manager Bill Delo managed the preparation of OC Active, Orange County's first countywide Active Transportation Plan. OC Active included an effort to inventory existing multi-use trails present throughout the county, assess their current conditions, and identify opportunities for new trails or extensions to existing trails. Key outcomes of the planning effort included the identification of priority regional trails that would be interconnected and provide linkages to key destinations across the county, and the development of implementation plans for the top priority multi-use trails. The planning effort also included the development of an updated county-wide bicycle and pedestrian facility map in GIS that could be utilized both by OCTA, as well as by local cities and the county.

Section III: Detailed Scope of Work

The Request for Proposal issued by the Town outlines eight key tasks that would be completed as part of the preparation of the Trails Master Plan. We have highlighted key elements of our proposed approach to meet the Town's desired scope of work. This approach informed the development of our staff hours and fee estimate, which is presented following the scope of work discussion.

Task 1: Review and Map Existing Infrastructure

Work efforts in this task will focus on identifying the locations and extent of existing trails, including both hard and soft surface trails within the Town of Dillon. DJ&A will gather and compile this information using a combination of maps provided by the Town, and field review and field verification of existing conditions and the presence of specific trails using ArcGIS Field Maps. Our proposed use of Field Maps to identify and inventory existing trails will help to make the process of digitizing trails and creating ArcGIS shapefiles and maps much more efficient. We have extensive experience completing infrastructure inventories using this method and we are pleased to offer this value-add service to the Town for this task.

Task 2: Evaluate Existing Infrastructure and Access

Building on the inventory and mapping work completed in Task 1, the work effort in this task will include an evaluation of the existing trail infrastructure, highlighting key data and information that would include:

- Trail width
- Trail surface materials
- Street crossing locations and type of crossing (at-grade, grade separated)
- Connections to nearby destinations
- Connections to Summit Stage transit stops
- Gaps in the existing trail network

The final list of desired attributes and information will be confirmed with Town staff prior to starting work on this task. Data gathered through this evaluation will be added to the ArcGIS maps and shapefiles. DJ&A's GIS team has extensive cartographic capabilities and experience, and we can provide maps both in web-based form and printed, depending on the town's needs. Should printed maps be desired, we can discuss with the town the format of printing and proposed end use to identify the direct cost for printing. Our current fee estimate does not include this cost at this time.

Task 3: Evaluate Types of Use, Equity, and Sustainability

As part of the field review and investigation of the existing trail infrastructure, DJ&A staff will also observe types of users for each trail and assess how each trail performs in terms of providing equitable access to different types of trail users. We will also observe the physical trail conditions and surface materials to make observations related to the sustainability and long-term viability of the trails. The attributes of each trail in terms of user type, equity, and sustainability will be incorporated into the GIS geodatabase or shapefiles as appropriate, these attributes will also be discussed within the Master Plan document.

DJ&A has performed similar work on recent trail projects. One relevant example is our work on the Fish Creek Trail for the U.S. Forest Service near Steamboat Springs. This existing soft-surface trail was challenged by the effects of erosion and heavy use, which were combining to impact the trail integrity and condition of wooden retaining walls and bridges constructed by the Forest Service. DJ&A led an effort to evaluate existing trail conditions, determine if it was viable to realign the trail to meet Forest Service accessibility guidelines, and identify improvements to the retaining wall system to ensure trail longevity and user safety.

We propose to conduct the community workshop called for in the RFP following the completion of this task. This workshop would help to inform the planning process and provide a forum for residents to give input on their needs, interests, and desires related to existing and potential future trails within the town. We have assumed an evening or weekend day workshop that would be conducted on-site at a venue in the town. DJ&A will produce boards, an overview presentations, and handouts to help communicate the planning effort, workshop objectives, and methods for attendees to provide input.

Task 4: Review Relevant Planning Documents

DJ&A will review recent planning documents adopted by the Town and incorporate recommendations, policies, and programs as appropriate into the Trails Master Plan. We will review each of the planning documents identified in the RFP as part of this task. This review effort will be an important foundation in the development of the Master Plan, as previous planning efforts will help to shape the recommendations, policies, and priorities identified in the Trails Master Plan. We envision the Trails Master Plan document including brief summaries of these relevant previous planning documents with discussion provided on how these previous efforts have helped to shape the current planning effort and ensure that the Town's overall goals and objectives are continuing to be advanced by subsequent efforts.

Task 5: Recommendations for Existing Infrastructure

The work efforts associated with data collection, field observations, and review of planning documents completed in the first four tasks will inform the analysis conducted in this task to develop recommendations for improvements to the existing trail infrastructure in Dillon. We anticipate that recommendations developed in this task will focus on identifying:

- Locations for rehabilitation and/or repair of existing trails
- Locations where trails may need to be widened or realigned to serve existing and future demand
- Changes to trail surface materials to improve longevity/maintenance and better serve existing users

Task 6: Recommendations for New Improvements to Connect the Town

Recommendations identified in this task will be focused on closing gaps identified in the existing trail network, emphasizing connections to existing destinations and trip attractors, which would include recreational areas, parks, transit stops, additional trails, and other amenities. The evaluation of user types, equity, and sustainability completed in Task 3 will inform these recommendations, as we'll look to address missing links and connections to key destinations, address any existing shortcomings in access and equity with the current trail network, and identify physical improvements that would improve the sustainability of individual trails, as well as the overall network.

For each proposed gap closure, we will identify the proposed alignment for the trail connection, trail surface recommendations (based on anticipated usage, surfaces of connecting trails, equity in accessibility, and sustainability), and highlight any existing physical conditions or constraints that might require more detailed analysis as part of a subsequent design effort.

Task 7: Recommendations for New Improvements for Future Development

As Dillon grows and new residences and destinations are constructed within the Town, it will be important for these new uses to be connected to the existing trail network. Using the Town Comprehensive Plan and information provided by Town staff regarding future development, we will identify a set of new proposed trails, complete with proposed alignments, surface materials, and opportunities to connect to the existing trail network. The criteria used for identifying new trail locations, alignments, and surfaces will be consistent with those used in Task 6 and our approach will focus on identifying opportunities to connect new developments with existing key destinations and transit stops, providing equitable access for new developments, and proposing trail designs and surface materials that will promote the sustainability of the trail network and minimize maintenance costs. Proposed trail alignments and attributes will be incorporated into the GIS database that will accompany the Master Plan.

Task 8: Recommendations for Trail Maintenance

Each trail will experience different needs in terms of maintenance based on the volume of use, types of users, and trail surface materials. DJ&A will apply our extensive experience working with U.S. Forest Service, the National Park Service, and other public agencies to implement trail projects to inform the development of recommendations for a trail maintenance program. This program will identify regular intervals and activities for trail maintenance, considering the different attributes noted above for use and surface materials. We would propose to present this information in the Master Plan in matrix format to provide Town staff with a quick reference that would inform maintenance schedules and allocation of annual funding for these maintenance programs.

Task 9: Draft and Final Plan and Presentation

Upon completion of the tasks outlined above, DJ&A will prepare a draft version of the Trails Master Plan for review and comment by Town staff. It is assumed that the draft plan would be reviewed by Town staff and would be available for public review and comment for a period of up to 30 days. We will incorporate comments received through these reviews and prepare a final version of the Trails Master Plan. DJ&A's project manager will attend and participate in the presentation of the final plan to the Town Council.

Deliverables

We propose to provide the following deliverables to the Town as part of our scope of work:

- ArcGIS shapefiles containing an inventory of existing and planned trails in the Town. Shapefiles would include attributes related to trail width and trail surface materials.
- Draft Town of Dillon Trails Master Plan
- Final Town of Dillon Trails Master Plan
- Final Presentation to Dillon Town Council

Appendix A: Resumes

EDUCATION
BA – Environmental Analysis and Design
University of California, Irvine

REGISTRATIONS
Certified Planner, American Institute of Certified Planners #019993

AFFILIATIONS
American Planning Association

Institute of Transportation Engineers

EXPERIENCE
January 2023 – Present: DJ&A, P.C. (Lakewood, CO)

September 2001 – December 2022: IBI Group (Irvine, CA)

October 2000 – August 2001: Civic Solutions (San Juan Capistrano, CA)

March 1999 – October 2000: Orange County Transportation Authority (Orange, CA)

BILL DELO, AICP – PROJECT MANAGER

Bill is a Senior Project Manager and Transportation Planner with 24 years of progressive experience in active transportation and trail planning. He has managed a range of complex projects requiring the analysis of project alternatives, extensive engagement with community members, and evaluation of specific criteria to identify a preferred project alternative. He brings experience leading multidisciplinary projects that enhance mobility, connect communities, and improve quality of life.

City of Irvine - Irvine Business Complex Trails Feasibility Study (Irvine, CA)

Role: Project Manager

Mr. Delo was the project manager of this feasibility study, examining the potential for implementation of multi-use trails along rail and flood control channels. Project included extensive community outreach for both residents and businesses. The technical components of the study included evaluation of the different trail alignments, development of concept-level cost estimates, and identification of park opportunities along the trail alignments.

County of Los Angeles – East San Gabriel Valley Mobility Action Plan (Los Angeles, CA)

Role: Project Manager

Bill served as the project manager for this multi-modal planning study that identified near-term and long-term sustainable mobility solutions for unincorporated portions of the East San Gabriel Valley. The project included a robust and creative community engagement process that led to the development of the East San Gabriel Valley Mobility Action Plan.

Orange County Transportation Authority – OC Active (Orange, CA)

Role: Project Manager

Bill served as the project manager for the effort to prepare the first Active Transportation Plan (ATP) for Orange County. Project elements included identification of pedestrian priority areas, regional bikeways, and design toolboxes. A key element of the plan was the identification of a network of regional multi-use trail corridors that would link key destinations around the county and encourage more multimodal trips.

Los Angeles Metro – Purple Line First/Last Mile Plan (Los Angeles, CA)

Role: Project Manager

Project Manager for this project that developed a detailed plan and implementation approach for bicycle and pedestrian first/last mile improvements at seven subway stations in West Los Angeles. Project included walk audits, online and in-person community engagement and collaboration with community-based organizations to develop the plan.

Mid-Peninsula Open Space District - Rancho San Antonio Open Space Preserve Access Management Study (Cupertino, CA)

Role: Principal-in-Charge

Bill served as the Principal-in-Charge for this parking and transportation demand management study that identified a range of strategies and solutions to reduce parking demand and encourage use of alternative modes to access the preserve. The study included outreach to existing preserve users to understand how they traveled to the facility and what management alternatives would enhance their use of and access to the facility.

City of Bakersfield – Centennial Corridor (SR-58) Bikeway (Bakersfield, CA)

Role: Transportation Planning Lead

Mr. Delo was the Planning Lead for the feasibility study and design effort underway for the Centennial Corridor bikeway in Bakersfield, CA. This proposed bikeway would be a multi-use paved trail facility located adjacent to an extension of the SR-58 freeway.

EDUCATION
BLA, Landscape Architecture, Kansas State University

Certificate in Community Planning, Kansas State University

REGISTRATIONS
Professional Landscape Architect – CO

EXPERIENCE
2019 - present: DJ&A, P.C., (Missoula, MT)

2016 - 2019; Atkins North American (Denver, Colorado)

2003 - 2016; David Evans and Associates, Inc. (Denver, Colorado)

1999 – 2003: HNTB Corporation (Denver, Colorado)

PERRY PALMER, RLA – Principal-in-Charge

Perry is a senior project manager, landscape architect, and planner with 31 years of experience. His professional career has allowed him to work on a wide variety of relevant recreation planning projects for the National Park Service, Federal Highway Administration, and state DOTs, including planning studies, feasibility studies; transportation planning efforts; and the design of parking lots, pedestrian infrastructure, accessibility improvements, and corridor enhancements. Perry has a proven track record of organizing and directing multi-disciplined and multi-office teams on difficult and fast-paced projects.

City and County of Denver – Denver Elevate Bond Program (Denver, CO)

Role: Parks & Recreation Portfolio Manager

While serving in this role, Perry oversaw the implementation of $136M in park and recreation projects. Perry assisted the Denver Parks and Recreation Department with the procurement and management of design and construction services to assure bond projects meet scope, schedule, and budget. Elevate Denver is a 10-year, $937million general obligation bond program approved by voters in 2017 that will enhance the City and County of Denver by providing critical improvements to the city's infrastructure – improving roads, sidewalks, parks, recreation centers, libraries, cultural centers, public-owned buildings and safety facilities. Responsibilities include reporting to City agencies, mayor's office, and IRS.

FHWA, CFLHD – Mariposa Grove Restoration of the Giant Sequoias (Yosemite National Park, CA)

Role: Project Manager

While working at a previous employer, Perry served as the project manager overseeing 15 design disciplines for the design development and construction document phases for this $35M renovation of the Mariposa Grove area. A new visitor contact station, +300 car/RV parking lot, and shuttle hub was developed, along with a new shuttle transfer, comfort station, boardwalk trail, and accessible trail network in the Lower Grove for the +4,000 daily visitors during peak season.

FHWA, CFLHD – Bahia Grande Trail Feasibility Study (Cameron County, TX)

Role: Project Manager

Perry is currently managing this project to assess the feasibility of a regional bicycle and pedestrian trail to connect both the Palo Alto National Historical Battlefield and the Bahia Grande unit of the Laguna Atascosa National Wildlife Refuge with the City of Brownsville and other surrounding communities in Cameron County, Texas. The Study will determine the most appropriate alignment serving multiple objectives such as recreation, transportation, drainage, etc. The feasibility study included trail alignment alternatives and evaluations, surface material and cost evaluations (caliche, asphalt, concrete, boardwalk, and bridges), trail amenities (shade canopies, bike tool stations, benches, drinking fountains, and wayfinding signage), environmentally sensitive habitat, coastal considerations of high surges and sea water/air, public engagement, and coordination with two federal agencies, and multiple City, County, and State agencies.

U.S. Forest Service – Fish Creek Trail & Pedestrian Bridge Designs (Medicine Bow-Routt National Forests, CO)

Role: Project Manager

DJ&A is supporting the USFS in the repair of a popular trail at Fish Creek Falls outside of Steamboat Springs, Colorado. DJ&A assisted USFS in their determination of priorities for development in this trail, including weighing accessibility deficiencies against major site constraints, including limited options for trail alignment and impacts to historic features. Currently in the final stages of development, the design aims to create an improved experience for all user types to the extent practicable. This includes the replacement of almost 600-feet of retaining wall, the incorporation of a guardrail into the proposed retaining wall that simultaneously improves safety and is also sensitive to maintaining open views, and replacement of two pedestrian bridges.

EDUCATION
BS - Environmental Design, North Dakota State University

BLA - Landscape Architecture, North Dakota State University

REGISTRATIONS
Landscape Architect - CA, MO, MT, SD, WY

TRAINING
Project Management Bootcamp - Professional Services Management Journal (PSMJ)

Opportunities for Green Infrastructure Implementation - Red Vector

Floodplain Training - Federal Emergency Management Agency

National Outdoor Recreation Conference - Society of Outdoor Recreation Professionals

AFFILIATIONS
American Society of Landscape Architects, Nebraska / Dakotas Chapter

United States Green Building Council (USGBC)

EXPERIENCE
2019 - Present: DJ&A, P.C. Sioux Falls, SD

2018 - 2019: ISGp, Sioux Falls, SD

2012 - 2019: FourFront Design Rapid City, SD

2007 - 2012: Jacobs Engineering St Louis, MO

CHRIS BRANDRIET, LA – LANDSCAPE ARCHITECT

Chris is a registered landscape architect and site planner with over 14 years of experience and expertise in planning, design, and construction of site and landscape projects. He has significant experience serving as a landscape architect and project manager on projects for various government clients, including the U.S. Forest Service and National Park Service. Chris has experience with designing improvements in culturally and ecologically sensitive areas throughout the United States, and experience providing site restoration services after demolition and/or construction.

USFS, Region 2 – Fish Creek Trail Design (Steamboat Springs, CO)

Role: Landscape Architect

DJ&A supported the USFS in the repair of a popular trail at Fish Creek Falls outside of Steamboat Springs, Colorado. DJ&A first evaluated the current trail and then developed site and structural conceptual design options to repair the trail. DJ&A assisted USFS in their determination of priorities for development in this trail, including weighing accessibility deficiencies against major site constraints, including limited options for trail alignment and impacts to historic features. DJ&A completed a design to replace almost 600-feet of retaining wall with a micropile soldier-pile wall with an integrated fence above to improve trail longevity and safety.

National Park Service – Yosemite Shuttle & Transit Stop Improvements (Yosemite National Park, CA)

Role: Landscape Architect

DJ&A provided Title II services to evaluate and improve thirteen bus stops that provide transportation service to parking, lodging facilities, and attraction sites throughout Yosemite Valley, Yosemite National Park. This project identified the functional requirements of each stop and completed the design development and final construction documents to improve the stops for the benefit of park visitors and employees. The bus stop designs are focused on improving operational efficiency, pedestrian access, safety, and accessibility. Stop improvements will be located within existing development footprints and disturbed areas, will link into visitor pedestrian routes, and will blend into their surrounding environments. Chris provided landscape architecture services to improve shuttle stops and ensure each stop met ABAAS requirements.

National Park Service – Saddlehorn Amphitheater and Trail (Colorado National Monument, CO)

Role: Project Manager

Chris led this project to renovate the historic Saddlehorn Amphitheater and rehabilitate approximately 1,000 linear feet of trail within Colorado National Monument. The amphitheater site is within a native pinyon pine forest and only accessible by a 7-foot-wide trail (the nearest roadway is roughly 300 feet from the amphitheater site), so the design was sensitive to construction restrictions and construction sequencing. Project enhancements will modernize the site to meet current accessibility standards while also preserving the character of this natural and historically significant site.

FHWA, Central Federal Lands Highway Division – Bahia Grande Trail Feasibility Study (Brownsville, TX)

Role: Cost Estimator / Project Management Support

DJ&A assessed the feasibility of a 21-mile regional bicycle and pedestrian trail connecting the Palo Alto National Historical Battlefield and the Bahia Grande unit of the Laguna Atascosa National Wildlife Refuge with the City of Brownsville and other surrounding communities in Cameron County, Texas. Chris's primary role was coordinating cost and design features with the design team to keep the fast-tracked project on schedule and within budget limitations.

EDUCATION
B.S. General Engineering with Civil Option (2007) Montana Tech of the University of Montana

REGISTRATIONS
Professional Engineer – MT, OR

TRAININGS
WAQTC - Materials Embank, Aggregate, and ACP

NHI – CMGC Alternative Contracting

NHI – Critical Path Scheduling

NHI – Public Involvement

FHWA – ADA & PROWAG

FHWA – Grant Management

ODOT – Construction Administration and Inspection; Environmental, Traffic Control, Bridge, Asphalt Paving, and Traffic Signal

EXPERIENCE
2019-Present: DJ&A, P.C. (Missoula, MT)

2017-2019: Montana Department of Transportation (Missoula, MT)

2015-2017: Oregon Department of Transportation (The Dalles, OR)

2014-2015: MDT District Design Manager (Missoula, MT)

2011-2014: ODOT Project Coordinator / Design Engineering (The Dalles, OR)

2008-2011: ConocoPhillips Alaska (Anchorage, AK)

DONNY PFEIFER, PE – ENGINEER/TRAIL DESIGN & MAINTENANCE

Donny is a professional engineer and project manager with more than 17 years of experience providing design, management, and quality control oversight on transportation projects for federal, state, and local agencies. Prior to joining DJ&A, Donny served in project management and design roles at state DOTs. He has experience leading a wide range of pavement repair and reconstruction projects, and on projects involving multiple stakeholders and multidisciplinary teams. Donny also has a robust background in project controls, construction phasing, contract administration, and roadway design.

FHWA, CFLHD – Red Rock Canyon Trail (Clark County, NV)

Role: Project Manager

This project develops a new, 25-mile trail network that aims to provide a safe and accessible recreational experience for Las Vegas residents and tourists in the Mojave Desert. DJ&A was tasked with scoping, PDP development, and design for one of six phases of the project. This project involves coordination with multiple agencies as well as conducting extensive natural resource surveys. Surveys included ESA-protected and BLM sensitive species, noxious weeds, and aquatic resources delineation. As the project manager, Donny led the consultant team through a complex PDP development. The DJ&A team worked closely with CFL and partners to identify challenges, risks, and costs of the as-scoped project. The team recently completed the 30% preliminary engineering phase, which included a Categorical Exclusion for the geotechnical exploration. Donny developed strong relationships with partner agencies (Clark County and BLM) to keep the project moving through NEPA clearance quickly. The project is now proceeding through the 70% design phase that includes the project Environmental Assessment Document (EA).

Missoula County – Mullan BUILD (Missoula, MT)

Role: Project Manager

This multi-year project includes new urban collector roads, intersection improvements, sewer and water mains, trails, stream restoration, stormwater infrastructure, private utility coordination, public involvement, and NEPA clearance. DJ&A is currently finalizing 100% design plans, assisting in Construction Management/General Contractor construction contract agreements, and preparing to deliver construction engineering and inspection services during construction. Design included nearly two miles of new roadways, 1,400 LF of reconstructed roadways, 4,400 LF of reconfigured striping on existing roadways, roundabouts, and a signalized intersection. Also included protected bike lanes, shared-use paths, sidewalks, boulevards, and rectangular rapid flashing beacons. Donny's role as the project manager includes overall scope, budget, and schedule responsibilities in addition to managing the many complex stakeholder and agency interactions necessary to ensure the project can be delivered successfully.

Missoula County – Missoula County Trails (Missoula County, MT)

Role: Principle-in-Charge and Quality Manager

DJ&A is currently providing engineering services to Missoula County Parks, Trails, and Open Lands in support of the design of multiple shared use trails throughout Missoula County. Project duties have included: analysis for the feasibility of multiple trail alternatives; design of approximately five miles of shared-use trails within Missoula County in accordance with ADA, Missoula County, and AASHTO guidelines; completion of right-of-way, cadastral, and property boundary monument surveys; and development of anticipated construction cost estimates. As project manager, Donny is responsible for providing principal oversight, as well as quality assurance to all aspects of the project scope, schedule, and budget, as well as ensuring all deliverables were of the highest level of quality.

BEN SUNDY, GISP – GIS SPECIALIST

Ben provides technical guidance and oversight for DJ&A's GIS projects. His work includes data entry and manipulation, documentation of procedures, cartographic production, and producing finalized data deliverables. Additionally, Ben provides technical support for field data collection by preparing and maintaining field equipment, managing data in and out of the office, and processing and scrubbing data for use in ArcGIS. He maintains complex geodatabases and performs substantiated GIS analyses to interpret and analyze aerial imagery, interprets maps and corresponding legal documents, and produces geographic visualizations of datasets by means of maps, tables, and graphs.

Department of Veterans Affairs – National Cemetery Administration Survey & GIS Nationwide Contract (46 states)

Role: GIS Manager

DJ&A was responsible for all surveying, mapping, and geospatial data integration for a four-year, $20M project, to build a geodatabase of grave marker locations. Terrestrial and aerial LiDAR, aerial photogrammetry, and conventional surveying methods were used to locate gravesite markers and infrastructure hard points throughout these cemeteries. Ben was responsible for overseeing and managing all GIS aspects of the project and supported the geospatial data aspects of this project as well, including managing field data collectors, processing data, data analysis, and preparing cartographic deliverables.

Bonneville Power Administration – Access Roads (MT)

Role: GIS Specialist

DJ&A has worked continuously with the Bonneville Power Administration (BPA) since 2015 to complete a variety of tasks relating to the identification and remediation of access road deficiencies for approximately 15,000+ circuit miles of transmission lines across five states. Duties include preparing road plans and specifications for construction after having completed a GPS-based inventory of the entire access road network and performing conditions assessments for roadway, culverts, drainage ditches, and adjacent slopes focusing on hydrologic and geomorphic impacts. Data was collected using ESRI ArcPad and managed in ESRI ArcGIS geodatabases. Based on collected data, DJ&A then designed improvements to these low-volume, rural roads. Ben was responsible for data processing, data management, data preparation, reporting, and geospatial deliverables.

U.S. Army Corps of Engineers, St. Louis District – U.S. Army Reserve UAC 88th & 81st Sites (Multiple States)

Role: GIS Manager

DJ&A completed a task order to collect underground and above ground utility asset information at 60+ U.S. Army Corps of Engineers (USACE) Readiness Division facility sites across the St. Louis District. The U.S. Army Reserve (USAR) needed a standardized way to track and maintain utility information to support the management of their extensive facilities. This program aimed to capture and consolidate all available utility data for these facilities into a standardized format to help maintain accurate budgetary information and mission critical asset information. DJ&A and a teaming partner completed two task orders to complete this work at 60+ USAR sites across Illinois, Indiana, Minnesota, Ohio, Wisconsin, and Puerto Rico. The USACE project included two phases: 1) existing data discovery and 2) field data collection. Existing data discovery involved consolidating and analyzing as-built drawings (CAD Format) collected from USAR Headquarters and Regional Support Center (RSC) DPW offices. Discovered features are catalogued, issues are identified, and paper format drawings are converted into electronic GIS data adhering to SDSFIE and Army IGI&S data standards and requirements.

EDUCATION

B.A. – Geography with options in GIS & Cartography and Community & Environmental Planning, University of Montana (2009)

GIS Certificate, University of Montana (2009)

REGISTRATIONS

Geographic Information System Professional (GISP): 160793

AFFILIATIONS

Montana Association of Geographic Information Professionals member

Urban Regional and Regional Information Systems Association

SKILS

Esri ArcPro and Desktop

Esri ArcGIS Online

ArcGIS Field Apps and Mobile Data Collection

GNSS Systems

EXPERIENCE

2015 – Present: DJ&A, P.C. (Missoula, MT)

EDUCATION

M.L.A. – Landscape Architecture, Graduate Certificate in Historic Preservation and Regionalism, University of New Mexico

B.A. – Fine Arts, Augustana University

EXPERIENCE

2021 - present: DJ&A, P.C., Sioux Falls, SD

2019 - 2021: ISG, Sioux Falls, SD

2019: DLR Group, Omaha, NE

2017-2018: EAPC Architects Engineers, Sioux Falls, SD

RACHEL BAKKER – GRAPHIC DESIGNER/LANDSCAPE DESIGNER

Rachel is a landscape and site designer with over four years of experience in the design of public amenities, culturally significant places, and a variety of site planning projects. Passionate about visual communication and client centered solutions, Rachel works diligently to find creative and sustainable options to meet project goals. Rachel has extensive graphic design experience in both print and digital media and is highly adept with programs in Adobe suite, such as InDesign, Photoshop and Illustrator, as well as 3D modeling programs.

NPS – Improve Shuttle and Transit Stops in Yosemite Valley (Yosemite National Park, CA)

Role: Landscape Designer

DJ&A lead this project to evaluate the Yosemite and Curry Village shuttle system stops in the context of efficient daily operation, accessibility, pedestrian access, traffic safety, and to provide design development and final construction documents to improve the transportation services for park visitors and employees. New shuttle stop signage was thoughtfully incorporated into the proposed shelter designs, and existing transportation and directional signage was repurposed and strategically incorporated into each new stop. Rachel provided site design services to improve site circulation, amenity layout planning, and contextually sensitive design elements specific to each stop.

City of Missoula – Waterworks Trailhead Design (Missoula, MT)

Role: Landscape Designer

DJ&A is supporting Missoula Parks and Recreation to expand and improve the Waterworks Hill recreational area, the most popular and heavily used access point to Missoula's trail system. The project will reconstruct a public roadway; create a new 40-vehicle paved parking lot; and add a formal trailhead complete with a kiosk, bicycle parking, benches, and other site furnishings. An interpretive loop trail is included to highlight the areas features and unique landscape. The informational kiosk design was provided by the City and carefully integrated into the trailhead layout by the design team. DJ&A completed the design in early 2022 and the project is currently in construction. Rachel developed the site analysis, reviewed trailhead site programming development, designed three initial site development concepts, and provided final landscape design.

Federal Highway Administration – Bahia Grande Trail Feasibility Study (Cameron County, TX)

Role: Landscape Designer

DJ&A led this project to assess the feasibility of a regional bicycle and pedestrian trail to connect both the Palo Alto National Historical Battlefield and the Bahia Grande unit of the Laguna Atascosa National Wildlife Refuge with the City of Brownsville and other surrounding communities in Cameron County, Texas. To increase accessibility, the suggested design incorporates a boardwalk that elevates one section of trail out of high water levels during storm events. The team is working with additional unique environmental considerations, such as the avoidance of thorn scrub vegetation which provides endangered ocelot habitat. The NPS is a key stakeholder and partner, and there has been ongoing communication with stakeholders to build consensus around decision-making for the trail alignment and amenities. Rachel developed visualization graphics of critical site elements including site amenities, sections, and plans. These graphics were incorporated into a visually engaging master planning document to communicate with the public and key stakeholders utilizing branding and marketing standards consistent with the overall trail.