

JEREMY M. FADNESS, P.E., LEED GREEN ASSOCIATE

PROJECT MANAGER/SENIOR PLANNER

REGISTRATIONS

Professional Engineer

Montana No. 15424

LEED Green Associate

ID# 10652632

EDUCATION

B.S., Civil Engineering
Technology, Montana State
University Northern, Havre,
Montana, 2001

SPECIALIZED TRAINING

Center Pivot Design

FHWA Ground Improvement
Techniques

AASHTO Roadside Design
Guide

NEPA course

Principles of Writing Highway
Construction Specifications

Pedestrian/Bicycle Facilities
Design workshop

HEC-RAS training course

Plat and Subdivision Law

PEC SafeLand & TRAP Basic
Safety Awareness
Orientation

NAWT Wastewater Treatment
Systems Service Provider I
Certification Operation &
Maintenance #121230MI

CIVIC TRAINING

Volunteer work with the
Helena Jaycees

MEMBERSHIPS

Amercian Planning
Association

Montana Association of
Planners

Jeremy Fadness has a strong background in transportation engineering, land development and water resources with over thirteen years of experience in related projects. Jeremy is located in the Helena office of WWC Engineering and serves as a project manager, design engineer, planner, and peer reviewer on many of WWC's projects that are based out of the Helena office.

PROFESSIONAL EXPERIENCE

Project Manager, WWC Engineering, Helena, Montana. 2003 - Present

Civil Engineer Specialist II, Montana Department of Transportation, Helena, Montana. 2002 - 2003

Civil Engineer Specialist/Rotational Engineer, Montana Department of Transportation, Helena, Montana. 2001 - 2002

PROJECT EXPERIENCE

Transportation

Involved with the design of culvert replacement projects, site improvement projects, highway safety projects, and new road development for the Montana Department of Transportation and land development projects. Design activities included the design of roadway alignments, detour alignments, estimating quantities, roadside safety design, preliminary field review reports, scope of work reports, plan preparation, and environmental permitting. Performed construction inspection, staking and surveying on several road and highway projects.

Involved in several parks and recreation projects using Community Transportation Enhancement Program (CTEP) funds. Worked with several counties to plan, design, and implement bike/pedestrian paths and park facilities and enhancements. Planned and designed several miles of bike and pedestrian facilities for several large land development projects.

Prepared Traffic Impact Studies for multiple land development projects for review by City, County and State agencies as part of development approval.

Hydrology and Hydraulics

Performed hydrology/hydraulics analysis on several existing and proposed culverts, which included determining the adequacy of the existing culvert and sizing of proposed culverts. Involved with the design of storm water conveyance systems and storm water storage systems for numerous land development projects; including the design of detention ponds, culverts, storm water inlets, manholes, conveyance pipe, and underground storm water detention systems.

Land Development

Involved as either the lead designer or project manager on numerous land development projects. Performed urban & rural road design, on-site & community water and wastewater to storm water drainage design, and regulatory permitting. Performed cradle-to-grave subdivision permitting, which requires an extensive knowledge of the subdivision process and regulations.

Planning

Review of many preliminary plat applications for subdivisions in Ravalli County, Broadwater County, Blaine County, and the Town of Culbertson as a contract planner. Review for these applications includes examination of application packages for completeness, examination of preliminary plat and application for sufficiency, writing of staff reports, and conducting public hearings per the Montana State Law and the adopted Subdivision Regulations.

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Worked with the City of East Helena to update their Growth Policy and worked with Blaine County to prepare their first Growth Policy. Tasks included preparation of community survey's, conducting public meetings to gather public input, preparation of draft Growth Policy for review by the Planning Board, working with the Planning board to finalize the draft, working with the Planning Board to conduct a public hearing and solicit public comment, and working with the governing body through the process of adopting the Growth Policy.

Assisted with the preparation of a parks and trails master plan for Anaconda-Deer Lodge County. Provided mapping support and review support for the master plan. Led the preparation of a trails master plan for Beaverhead County. Conducted public meetings, wrote the master plan, reviewed mapping and coordinated with the county and area organizations to come up with a comprehensive trails plan for the area.

Currently serving as the Zoning Administrator for the Cities of Townsend, East Helena, and Culbertson. Zoning administration for the cities requires thorough and timely examination of applications, communication with applicants and city authorities, and an understanding of the issues and concerns that drive zoning implementation. Tasks include: review of applications, drafting permits, staff reports, and review of letters; providing recommendations for zoning language and ordinances; updating zoning maps and ordinances; and making presentations at board/council meetings and public hearings.

GIS

Contributed as a GIS operator for a Tribal Agricultural Resource Management Plan (ARMP) creating geodatabases of multiple features for all range units.

Use of GIS to assist with sage grouse core area density and disturbance calculations for oil and gas projects in Wyoming.

Use of GIS for the preparation of maps for planning documents, such as Growth Policies, for multiple jurisdictions, such as the Town of Culbertson, the City of Townsend, the City of East Helena, and Blaine County.

Grant Funding and Assistance

Assisted with the writing of a Recreational Trails Program (RTP) Grant and Reclamation Development Grant (RDGP) applications for Anaconda-Deer Lodge County. Assisted with a Recreational Trails Program (RTP) grant application for the Town of Culbertson. Wrote and submitted a Recreational Trails Grant (RTP) application for Beaverhead County for trail construction. Provided design, construction inspection and project close out on several RTP grants and CTEP projects to ensure that requirements were met.

Lead Engineer on the preparation of a Treasure State Endowment Program (TSEP) Grant application for the replacement of three bridges in Broadwater County. This included preparation of a Preliminary Engineering Report (PER) in accordance with TSEP guidelines and preparation of the grant application and narratives.

Construction Monitoring

Lead Construction Inspector on several municipal and recreational projects, taking the projects from the beginning of construction through final acceptance. Provided construction monitoring for water, sanitary sewer and storm sewer installation as well as installation of road base, curb and gutter, asphalt, chip seal and striping. Provided construction monitoring for several bike path projects as well as the Beaverdam Park and Playground Project for Anaconda-Deer Lodge County. Worked closely with project owners and contractors to ensure that the project was completed in accordance with the project plans and specifications as well as funding source requirements.