

## AT A GLANCE

### SERVICES

#### CIVIL ENGINEERING

- Utility design
- Site grading and erosion control plans
- Roadway and highway plan, profile, and cross section design
- Vehicle turning analysis

#### HYDROLOGY AND HYDRAULIC DESIGN

- Site hydrology studies
- Drainage reports
- Detention/WQ facility design
- Water quality permitting & design
- Rational Method/CUHP/TR-55 runoff analysis
- Hydraulic structures design
- HEC-RAS and Flo-2D modeling
- StormCAD Modeling
- Floodplain delineation CLOMR/LOMR
- No-Rise Certifications
- Scour analysis
- Fish Passage

#### LAND DEVELOPMENT PERMITTING

- Site investigation
- Planning approvals
- Zoning changes
- City council/county commission approvals
- Site layout and staking plans
- Regulatory liaison
- Drainage and erosion control permits

#### OTHER SERVICES

- Project controls/Scheduling
- Document control
- Construction management
- Stormwater observations
- Technical staffing Design Drafting

#### NAICS CODES

541320 • URBAN PLANNING  
541330 • CIVIL ENGINEERING  
541340 • DRAFTING  
541990 • PROFESSIONAL  
SCIENTIFIC & TECHNICAL  
541611 • ADMINISTRATIVE  
MANAGEMENT & CONSULTING

CAGE CODE • 5JRP0  
UEI • XMELR15R8R71

## OVER 200

Public Infrastructure, Facility &  
Transportation Projects



## 2 OFFICES

Denver, CO &  
Seattle, WA

Serving Clients Since

2009

Combined  
Leadership Team  
Experience:



**117**  
Years

**5** States  
of DBE  
Certification

States of  
Professional  
Licensure **17**

#### Staff Certifications

- 12 PROFESSIONAL ENGINEERS (PE)
- 1 PROFESSIONAL LAND SURVEYOR (PLS)
- 3 ENGINEER INTERNS (EI)
- 1 PROJECT MANAGEMENT PROFESSIONAL (PMP)
- 1 CERTIFIED EROSION SEDIMENT LEAD (CESL)

## OVER 650

Retail, Education, Residential  
& Medical Projects



Trust-based  
Partnerships

Professional and  
Personal Growth



Collaboration  
as an Art

Balance in our Lives  
and our Work

## Our Values

#### Proud Woman Owned Small Business





# RELEVANT EXPERIENCE

## REFERENCES



**NOAA Manchester Seawater System**  
NOAA IDIQ

EES was selected for The Department of Commerce's National Oceanic and Atmospheric Administration Indefinite Delivery/ Indefinite Quantity (IDIQ) Contract for Professional, Architectural/Engineering (A/E) Services in the Western Region.

Our first project was the Manchester Site Planning and Seawater System Design, located in Manchester, WA. With the expansion of marine aquaculture under the directives of NOAA and NMFS Strategy, we provided the engineering services for the expansion of the facilities needed for marine aquaculture research.

Western US



**Confluence Park: Shoemaker Plaza**  
City of Denver

Confluence Park is named for its location at the confluence of the South Platte River and Cherry Creek. Over the years, the development of new urban neighborhoods caused a dramatic increase in the park's use and prompted the City to embark on a plan to revitalize the space. Working with the City of Denver, EES was responsible for all overbank floodplain civil engineering design for this project. The project received two awards for the final design, the 2018 Merit Award for Design (by ASLA) and 2018 Downtown Denver Award (by Denver Downtown Partnership).

Denver, CO



**Eagle P3 Project**  
Colorado Department of Transportation CDOT

The \$2B Eagle Project comprised elements of Design, Build, Finance, Operations, and Maintenance (DBFOM). The Eagle P3 Project packaged several FasTracks projects into a single contract to design and construct the East Corridor to DIA, the Gold Line to Arvada-Wheat Ridge, a short segment of the Northwest Rail corridor to south Westminster and the commuter rail maintenance facility in north Denver. As a selected member of the Denver Transit Partners (DTP) team and directly under HDR, EES led the effort for multiple design segments in the specific disciplines of drainage and erosion control design.

Denver, CO



**On-Call Hydraulic Services, Fish Passages Improvements**  
WSDOT

EES provided CAD drafting and design services for culvert replacements for fish passages at the Soderman Creek crossing of Interstate 90 and two tributaries to the Holder Creek crossing of SR 18. Work included:

- Analysis and generation of channel bed design for replacement
- Creation of creek horizontal and vertical channel alignments
- Grading templates and corridor plans, profiles, and typical-section drawings.
- Multiple iterations that were coordinated closely with the stream hydraulic designer

Issaquah & Preston, WA

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# RELEVANT EXPERIENCE



**I-225 Light Rail Extension  
Denver Transit Authority**



**Denver Union Station  
Project Authority**



**Denver International Airport  
Concourse Expansion Project  
- Design**



**Schriever Air Force Base  
United State Air Force**

## REFERENCES

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The I-225 Rail Expansion was a design-build project to extend rail service by 10.5 miles. The line connects the existing Southeast line to the East Corridor serving Denver International Airport. Five miles run along Highway I-225 and the rest along local roads. There are seven bridges, seven grade crossings and eight stations. EES provided:

- CLOMR analysis of the Toll Gate Creek crossing
- Civil engineering design of five complete stations
- Utility and drainage design along the corridor
- Preparation of the erosion control plans
- Project-wide project controls using Primavera P6 software

Aurora, CO

Denver Union Station (DUS) is the centerpiece of the FasTracks commuter rail corridor program. All FasTracks rail lines ultimately come and go from DUS, as well as the RTD regional bus system.

EES scope included:

- Site design of the Wynkoop Plaza (including site layout, grading, drainage, storm sewer, and underground detention design/under drains for hundreds of tree boxes)
- Design of the lowering of dozens of waterlines to facilitate construction of other utilities
- Redesign of the drainage along Fox Street
- Post-design construction administration,
- Project controls/scheduling for all design team members

Denver, CO

Denver International Airport (DEN) expanded three concourses to increase gate capacity. To keep each concourse operational, the design and construction team had a dictated phased approach.

EES provided:

- Drainage and stormwater quality design on the eastern Concourse B and C project,
- On-going construction administration
- Support in design of the relocation of a Denver Water main along the Concourse B expansion
- Construction administration for the DEN CEP B East & C East expansion projects
- Permitting tracking to monitor and ensure that all changes were reviewed and accepted by multiple authorities having jurisdiction

Denver CO

Shriver Air Force Base is located in Colorado Springs, Colorado. EES was hired to redesign the drainage and storm sewer system of a large athletic field to resolve stormwater ponding and turf damage of the field and surrounding track. EES was the design lead and project manager for this design-build at this security-sensitive site.

Denver, CO