

COMMERCE CITY

PRELIMINARY AND FINAL DESIGN
OF BRIGHTON ROAD FROM E. 104TH
AVENUE TO E. 112TH AVENUE

2019-05-PW

JANUARY 22, 2020

HUITT-ZOLLARS

www.huitt-zollars.com

HUITT~ZOLLARS

CORE VALUES

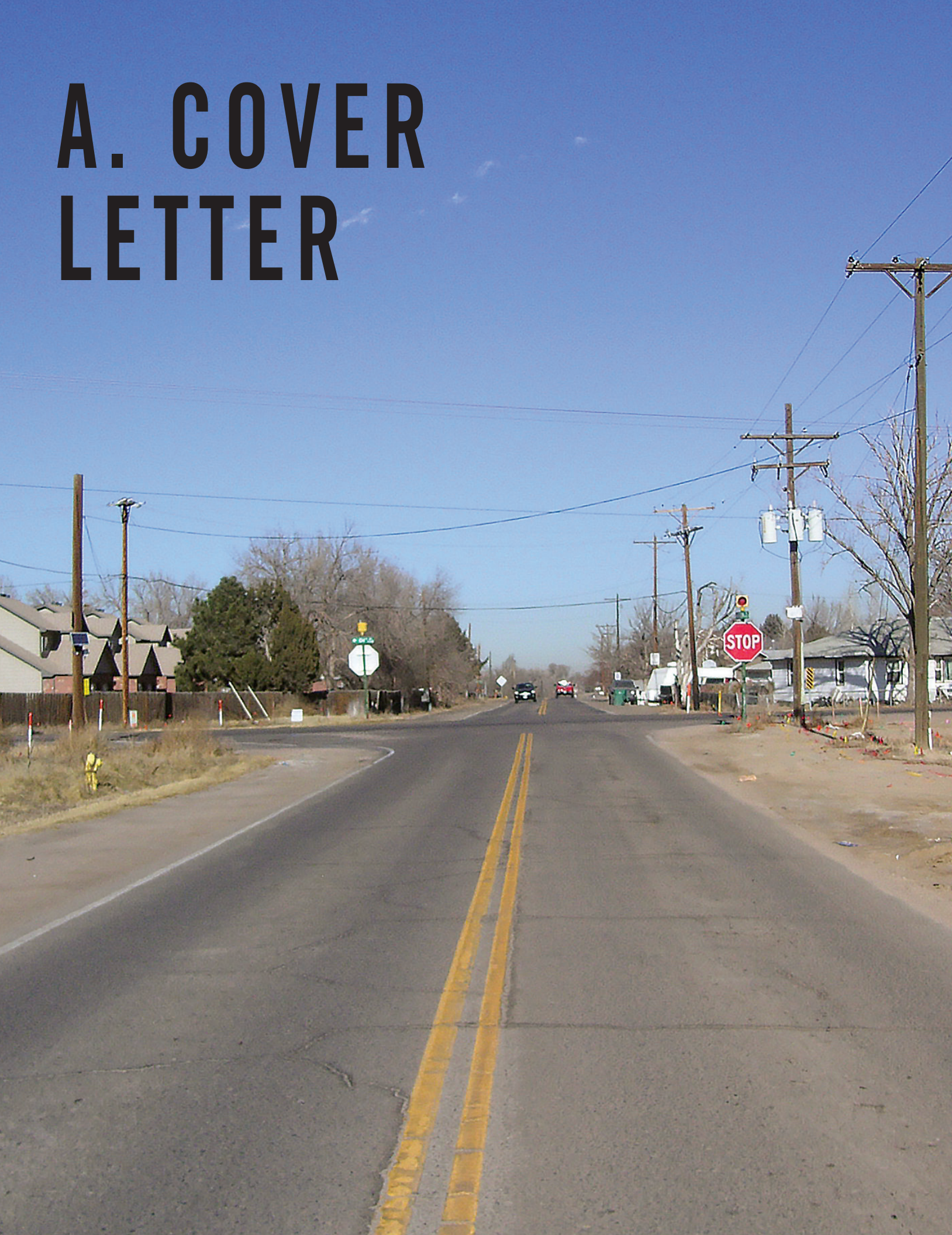
- To achieve the highest level of quality in everything we do.
- To always conduct ourselves with consummate integrity.
- To achieve client satisfaction through uncompromised personal service.
- To provide the appropriate environment for people to work, grow, and prosper.
- To maintain consistent growth and a reasonable profit in order to perpetuate a healthy company.
- To always strive to advance our services to new horizons.



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A. COVER LETTER



January 22, 2020

Mr. Mark Winnen, Project Manager
City of Commerce City
8602 Rosemary Street
Commerce City, CO 80022

**RE: Request for Proposals
Preliminary and Final Design of Brighton Road from E. 104th Ave. to E. 112th Ave.
2019-05-PW**

Dear Mark,

We are excited about the above-referenced opportunity and look forward to continuing our professional relationship with the City of Commerce City. This project allows us to apply our experience and knowledge to improve this segment of Brighton Road by replacing the deteriorating road surface and adding paved shoulders to improve safety. Due to the expansive growth that Commerce City has experienced in the last decade, reconstructing this section of road has become critical. The various improvements planned along its length will increase mobility and safety for the traveling public while enhancing safety for vehicular travel. Considering our history on the Tower Road project for the City as well as experiences on similar projects nearby, we are the ideal firm to take on this challenge for the City.

THE HUITT-ZOLLARS TEAM

The Huitt-Zollars Denver office was started in 1998 and provides municipal, transit, public works, highway, and private sector services across the front range area. Several of our key clients include the City and County of Denver, Greenwood Village, Thornton, Greeley, Aurora, Arvada, and Fort Collins. Many of our projects for these clients include roadway and intersection improvements as well as multi-modal and pedestrian improvement work. We were the primary engineering consultant on the Tower Road project for the City of Commerce City and consequently, have a thorough understanding of Commerce City's requirements. Our main roadway designer worked on Tower Road and will be able to bring the design successes from that project to this one, enabling an efficient and economical solution.

We have assembled a project team of highly qualified professionals with specific expertise in the design of roadways, intersections, multi-modal systems, and drainage improvements. As the **Project Manager**, **Jerry Prusik** brings more than 40 years of successful municipal engineering experience to Colorado's Front Range communities and will be the primary contact for the City of Commerce City throughout this contract. He is committed to cost-effective, quality service and will provide the City with the personal attention this project requires.

The subconsultants that we have chosen to work with us bring knowledge and abilities that ensure creative and efficient solutions for this project. Each of the sub-consultant team members have worked with us on similar projects throughout many Denver metro cities and as a result, we have a well-established relationship with each one of them. They include:

- **Foresight West Surveying** will perform surveying and ROW document preparation services
- **Kumar & Associates** will perform geotechnical engineering
- **ACI Consulting** will provide environmental compliance services
- **DHM Design** will provide landscape and irrigation design services
- **BTrenchless** will provide utility pothole services
- **Universal Field Services** will provide ROW Acquisition (additional) services

GERALD "JERRY" PRUSIK, PE

Project Manager
Huitt-Zollars, Denver office
4582 S. Ulster St., Ste. 240
Denver, CO 80237
Office: 303-740-7325
Cell: 303-517-8989
Fax: 303-224-9997
Email: jprusik@huitt-zollars.com

KEY POINTS

Project Understanding. This project will improve a segment of Brighton Road that starts at E. 104th Ave. and continues north to E. 112th Ave. It is about 1.2 miles of roadway and includes a deteriorating Fulton Ditch bridge that will need to be evaluated and ultimately replaced. This project will reconstruct the road to include shoulders, left turn lanes at intersections, and provide drainage improvements and street lighting. Part of this roadway improvement project will be to prepare the intersection at Brighton Blvd and E. 104th Ave. for a new traffic signal to be added in the near future.

We have recent and relevant experience with this type of project. The lessons learned from the successful completion of the Tower Road widening project will enable us to bring efficiencies as well as creative solutions to this project.

Project Manager and Design Team Organization. Our Project Organization is arranged for work efficiency and control. The Project Manager is supported by multiple group leaders that specialize in their assigned disciplines. As noted above, the project manager for this project will be Jerry Prusik. His experience includes serving as Project Manager for the above-referenced Tower Road project, a significant roadway and multi-modal improvement project that had several intersections to be worked through, significant ROW acquisition, and multiple stakeholders to accommodate. Jerry also brings a different type of experience to this project. He has led large design teams on multi-million dollar projects in other states from the Denver office. He understands how to use the depth of resources available to our team from throughout the firm, providing an unparalleled ability to provide the specific and exact expertise needed for every aspect of this project.

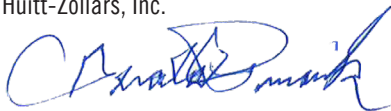
Design Approach and Schedule. Our approach will build upon our previous municipal project experiences by reviewing lessons learned, identifying unforeseen conditions, and validating design and coordination procedures. The schedule is developed to integrate first: stakeholder reviews and coordination and second: established procedures and processes to conduct quality reviews prior to milestone submittals. Maintenance of the traffic throughout the construction process will be a significant challenge on this project.

Jerry was able to facilitate the widening of Tower Road while keeping the road open for traffic continuously throughout the construction process.

Ability to Respond. The information provided shows that Huitt-Zollars and our six subconsultant design firms have the Denver-based resources to perform this work. Although all work will be managed out of the Huitt-Zollars Denver office, additional resources are readily available from the corporate firm. We have the ability to augment staff as needed to meet local project manpower and schedule requirements. The Denver office has successfully managed work efforts shared between as many as six Huitt-Zollars offices. Each office is electronically networked, which provides the firms' full range of capabilities to all clients.

All the information provided in the submittal is true and complete to the best of our knowledge. We acknowledge receipt of Addendum No. One, dated January 16, 2020. We appreciate your time in reviewing our proposal. Our understanding of city, state, and federal review processes & requirements will allow us to efficiently plan and execute this project, with no learning curve. We have the experience, expertise and capacity to perform this project for the City of Commerce City. We look forward to your favorable response. If you have any questions, please don't hesitate to contact me at (303) 740-7325, email jprusik@huitt-zollars.com, or our principal-in-charge, Wendy Amann, at wamann@huitt-zollars.com. Again, thank you for your consideration.

Sincerely,
Huitt-Zollars, Inc.

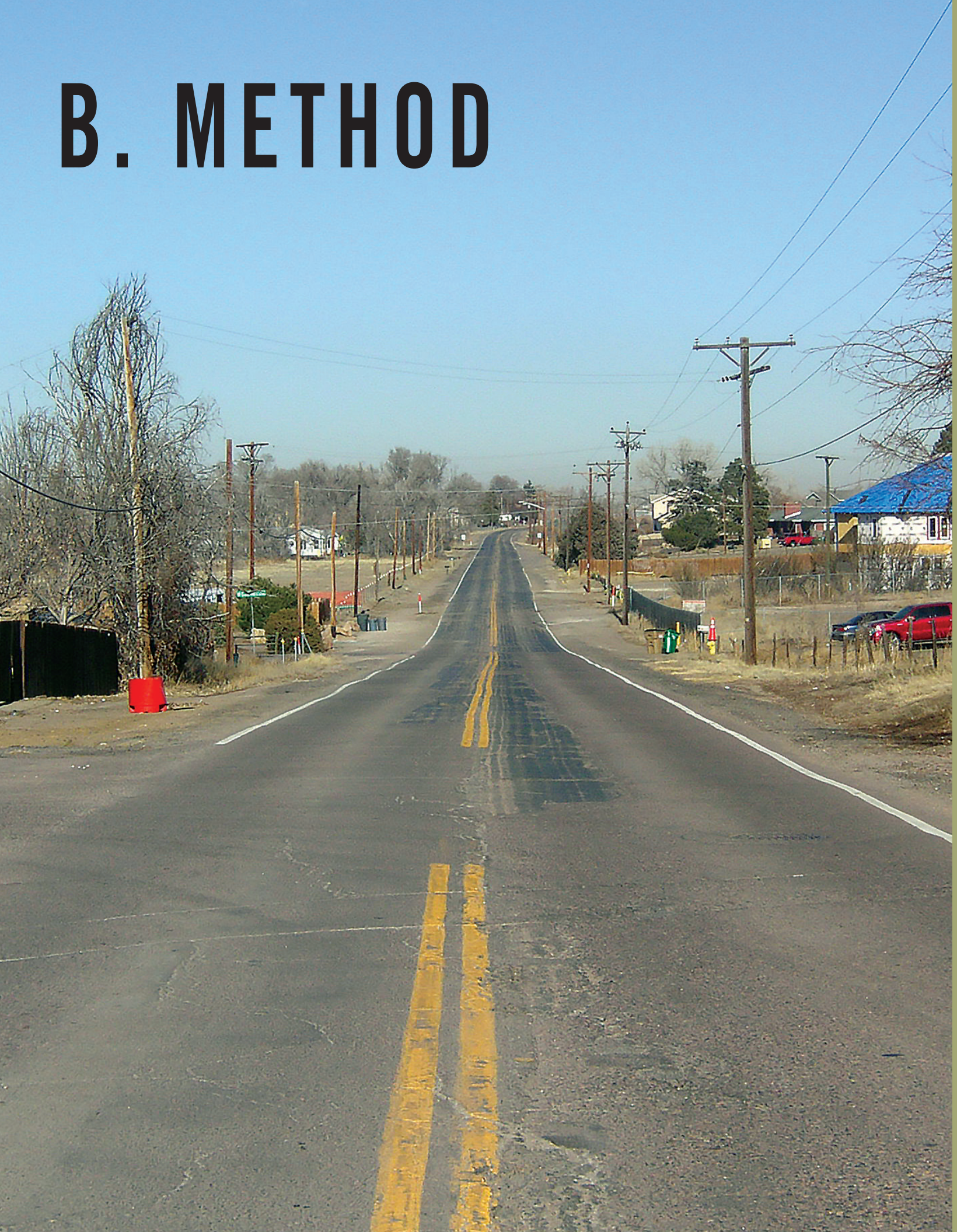


Gerald Prusik, PE
Vice President, Project Manager



Wendy L. Amann, PE
Vice President, Managing Principal

B. METHOD





B. METHOD

PROJECT UNDERSTANDING

The City of Commerce City (C3) has determined that Brighton Road from E. 104th Avenue to E. 112th Avenue is in need of reconstruction. C3 has decided to contract with a Professional engineering consultant (Team) to develop preliminary and final design of this 1.2 mile segment of Brighton Road. The existing road is a two lane north/south street, with severely deteriorated asphalt pavement and no paved shoulders.

The C3 2010 Comprehensive Plan, Roadway Classification Plan shows Brighton Road as a Minor Arterial street. Proposed improvements include reconstructing the existing pavement to provide a single lane in both the north and south direction of travel, with 5-foot paved shoulders on both the east and west sides of the street. There is also a Fulton Ditch bridge replacement and a 12-foot paved multi-use trail proposed along the east side of the finished roadway. There will be no curb and gutter. Thus roadway drainage will be accommodated along the east and west sides of the street in open swales. Area inlets and culverts will likely be required at discharge points, such as at First Creek.

This segment of Brighton Road is illustrated on the FEMA NFIP Flood Insurance Rate Map (FIRM) for Adams County, Colorado and Incorporated Areas Map Number 08001C0319H, Map Revised March 5, 2007, Panel 319 of 1150. The First Creek 100-year floodplain is shown overtopping Brighton Road, affecting an approximate 120' reach along Brighton Road.

PROJECT APPROACH

A successful project requires a thorough understanding of the project, client, other stakeholders, design process, and the key critical issues that can dictate project outcome. Our Huitt-Zollars team has designed many similar municipal street improvement projects, including consideration of multi-modal requirements. We have conducted an initial on-site field review to better understand this project and who will benefit from the proposed improvements and who will be impacted by construction activity. Those who use Brighton Road every day (residents and commuters), pedestrians, and bicyclists will all benefit, and will also be those most affected by the construction of the proposed improvements.

C3 has planned for preliminary and final design to be completed in a twelve-month time frame, beginning February 10, 2020. ROW acquisition in 2021 and construction in 2022. Major design work tasks will include the following:

- Project Management
- Resident and Stakeholder Coordination
- Data Collection
- Preliminary Design
- Field Inspection Review (FIR)
- Final Design
- Final Office Review (FOR)

We employ our Project Work Plan approach in executing every project. Refer to the Project Management section of this proposal (starting on page 3) for further discussion of and insight into our standard Project Work Plan approach to effectively controlling our project performance.

Several potential Additional Services have been identified in the C3 RFP, including (but not limited to) ROW acquisition services, utility potholing, plan changes after Final Office Review (FOR) comments, and Bid Services. A more complete work task breakdown is shown with our Preliminary Design Schedule included in Section F of this proposal. Work will be initiated immediately following our Kick-Off Meeting, with field topographic survey, geotechnical investigations, and environmental field studies.

CRITICAL ITEMS

A successful project outcome requires the designer to be aware of the issues that can typically adversely affect a roadway improvement project outcome. The primary potential critical items to be aware of; and proactively manage on this project, include:

- ✓ Resident and other Stakeholder Coordination (C3, Adams County, South Adams County Water and Sanitation District, Fulton Ditch)
- ✓ Environmental Studies and Reports
- ✓ Subsurface Utility Engineering (SUE)
- ✓ Construction Phasing and Maintenance of Traffic
- ✓ Right-of-Way (ROW)

Each of these items represent important decisions or outside agency approvals that have often caused delays in moving projects to construction. We recognize the critical nature of the need to address these concerns timely to avoid such delay. To this point, effective communication is the underlying key to addressing every one of these concerns. We take a very proactive approach in communicating with all stakeholders, from the very beginning. Everyone involved with this project will be actively engaged, starting with the Kick-Off Meeting. Again, refer to the Project Management section of this proposal for further discussion of our communication protocols.

Our recommended approach to each of these potential concerns is as follows:

RESIDENT AND OTHER STAKEHOLDER COORDINATION

We plan on a minimum of bi-weekly design coordination meetings with the C3 Project Manager (Mark Winnen). These meetings can be a mix of in-person/on-site or conference calls. Our Project Manager, Jerry Prusik, will assure that C3 is fully aware of all design activity status at all times throughout the project.

Coordination with residents, Adams County, South Adams County Water and Sanitation District, and the Fulton Ditch will be an important aspect of this project. Access to and from homes and adjacent neighborhoods will be affected during construction, and must be adequately addressed throughout all phases of construction.

We will follow the City's lead, but will be available to lead meetings with residents and other stakeholders as needed to best accommodate their concerns related to this project to be sure that we have their concurrence with the proposed improvements and how to implement them while maintaining access throughout construction.

ENVIRONMENTAL FIELD STUDIES AND REPORTS

We plan to conduct an environmental investigation and identify necessary clearances for the proposed improvements. Reconnaissance level technical evaluations will be undertaken in parallel with the design process to identify potential impacts associated with the project and inform the design process. Evaluations will consider the natural environment including, migratory birds, wetlands and water resources (including Section 404 permitting, if required), noxious weeds, hazardous materials, historic 4F property, historical resources, archaeological and paleontology assessments and survey, threatened or endangered species, and non-historic 4F clearances.

SUBSURFACE UTILITY ENGINEERING (SUE)

Utilities along this segment of Brighton Road are both above and below ground. Our initial on-site field review and records search of the proposed work area have identified the following potential utilities:

- | | |
|---|----------------------------|
| ✓ South Adams County – Water and Sanitary | ✓ Comcast Cable |
| ✓ Xcel Energy – Gas | ✓ Century Link Fiber Optic |
| ✓ United Power | |

Utilities will be located as part of our topographic survey effort. Underground utilities will be potholed during the preliminary design effort, after we have had an opportunity to identify potential conflicts with existing underground facilities. Potholing will be conducted to verify depths and sizes of existing underground facilities. Our first goal will be to avoid, or at least minimize, impacts to utilities. Should utility relocations be unavoidable, we will discuss these requirements with the City and prepare our construction documents accordingly.

CONSTRUCTION PHASING AND MAINTENANCE OF TRAFFIC

We are fully aware of the constructability constraints that this project poses (maintaining through traffic and access throughout construction), and have a great deal of experience developing successful solutions with similar challenges.

Roadway reconstruction activities can generally allow for traffic to remain in the current laneage, while the new shoulder areas are constructed. Drainage storm pipes, within or beyond the new shoulders, can all be constructed while traffic remains in the existing lanes. Traffic can then be shifted all to the east (or west) to allow for reconstruction of the existing laneage. Some temporary grading and pavement may be necessary due to the narrow (5-foot) width of the new shoulders. Once the entire new pavement width (approximately 34') has been graded and the lower pavement lifts have been placed, a full width top lift (overlay) can be placed. Short duration lane shifts can be implemented, with flaggers as needed, to facilitate the final full width top lift of pavement.

RIGHT-OF-WAY (ROW)

Based on Adams County GIS mapping, the Right-of-Way (ROW) width along this segment of Brighton Road is primarily 68'-70', with two segments of approximate 100' width. C3 has shown a preference for maintaining the existing east ROW line. We will develop and finalize the improved corridor street centerline and limits of work during preliminary design, holding the east side ROW line. Once this centerline is established, we will then be able to model the proposed improvements and make an initial determination of potential ROW impacts. The base property ownership map will be developed during data collection. As noted above, we will develop and refine the ROW requirements throughout preliminary design. By the end of preliminary design, we will be able to show the anticipated ROW (easement) requirements necessary to construct the proposed improvements. ROW plans, legal descriptions and plan exhibits will be developed during our Final design phase of work.

We understand C3's design and plan development requirements, and how to move this project to construction. With the critical items noted above properly addressed throughout the project, we are confident that we can meet all of the stakeholder goals and needs.

PROJECT MANAGEMENT APPROACH

Jerry Prusik, PE brings over 40 years of experience managing teams tasked with producing the construction documents for various types of municipal street improvements for a diverse client base. Jerry will be primarily responsible for controlling the day-to-day aspects of the project; and Wendy Amann, PE, our Principal-in-Charge, will ensure that the company's resources are fully available to the project, that all company policies and procedures are followed, and that Commerce City is thoroughly satisfied with the services provided.

► **Project Work Plan:** We believe the key to client satisfaction is to provide a clear understanding of expectations and to provide flexibility in meeting these expectations should conditions change. The expectations for a project are best laid out in a detailed Project Work Plan. Our Project Work Plan forms the basis for guiding the Project Manager and the entire Project Team through successful project completion.

We intend to utilize the anticipated project scope outlined in Commerce City's Request for Proposal document as the basis for our Project Work Plan for this project. This initial work task list will be refined during the scoping exercise which will allow our project team to update the proposed project schedule into a schedule that will be followed throughout the duration of the project. The work plan document identifies who will perform the work, the technical work to be performed, the criteria to be adhered to, the timeline and sequence of work for completion (including identification of interim milestone submittals), products to be submitted, the budget to complete the work, and the work effort required of each project participant for each week of the project duration. It is our intention to meet or exceed the specifications in the RFP for this document. Our project work plan will be distributed to each project participant, including prime, subconsultants, client, and other agency project participants at the initial project meeting.

► **Progress Meetings:** Our management approach also includes regularly scheduled Progress Meetings that document action items and track project issues and resolutions, as well as provide up-to-date information on schedules, budgets, and construction costs. All team members are involved in these meetings, either by their presence, or by notification and distribution of meeting minutes. Records will be kept of meetings, written and electronic correspondence, and verbal communications (telephone or face-to-face) in order to document issues, concerns, and decisions.

► **Schedule Control:** Schedule is controlled with constant monitoring of schedule status versus design progress. The project will have a "living" schedule that is updated continuously as design progresses, allowing changes to be made as necessary before critical deadlines or milestones are missed. The schedule shown on page 9 will be updated as needed with Commerce City.

► **Design Cost:** Design cost and schedule will be controlled by constantly monitoring our budget and schedule status versus design progress. Each project is initiated with a Project Entry Form including budgeted hours and costs for each phase and task. Timesheets, expense reports, and subconsultant invoices are submitted and approved by the project manager weekly. Then, once a month, the project manager receives a detailed work-in-progress report with actual hours and costs to date for each phase and task. The Huitt-Zollars accounting system requires the project manager to enter a percent of actual completion that month and this is compared to the percent spent, helping keep the design costs in alignment with the project schedule. With each month's invoice, Commerce City will receive a spreadsheet breakdown of cumulative work task budget expended versus percent complete and a comparison of actual versus scheduled activities. These can be as simple or as detailed as needed, and as agreed to in cooperation with Commerce City's Project Manager.

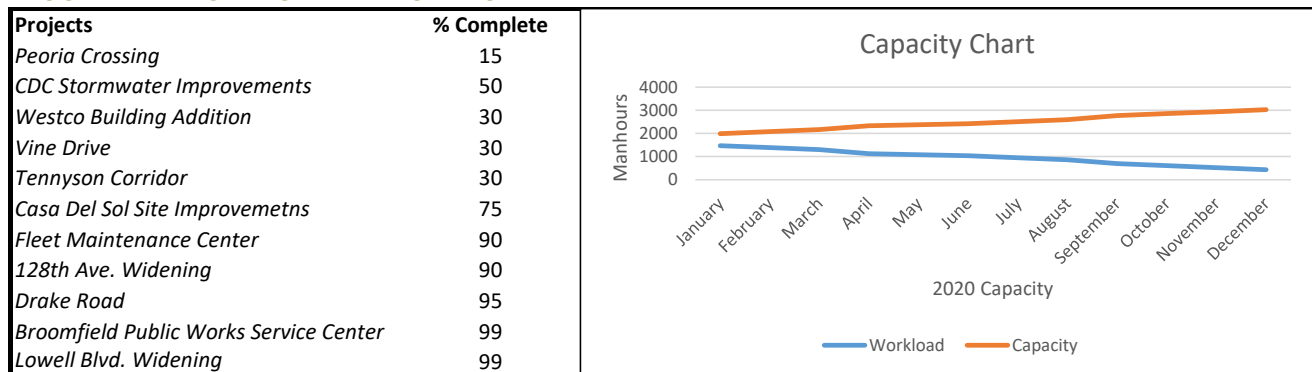
Construction Costs: We will control costs by employing value engineering principles throughout design development. Preliminary and final opinions of construction costs will be evaluated in order to save costs. We propose that benchmark construction cost be identified (at about the preliminary stage) that can be used as a baseline to compare the cost effects of proposed changes and enhancements. This is an effective way to control scope growth or scope creep, which can lead to cost overruns. At the beginning of a project, we will make a pre-design estimate and compare it with the budgeted or funded cost. If there is a discrepancy, we will work with Commerce City's staff to develop a plan of action before proceeding with a project that is under-budgeted. As the project progresses, the estimate will be reviewed and updated.

We will also conduct constructability reviews as another means of achieving an economical design. Keeping in mind how the contractor will build the improvements enables us to design a project that meets all stakeholder requirements and goals. We engage industry associations in the design process where warranted to facilitate economical solutions and move the project in the most realistic path.

As shown in the summaries of our past projects, we have worked throughout the Denver Metro Communities. Collectively, this team has worked for nearly every major municipality along the Front Range. Commerce City will be pleased with our knowledge of the project area as well as with our familiarity with the local codes and requirements. We maintain good relationships with local contractors and continually update our database for unit pricing. The labor and materials market servicing the Commerce City area has changed somewhat since we completed the Tower Road project. However, our Lowell Boulevard project for Adams County (currently under construction) uses the same labor pool and we have a recent and thorough understanding of current unit costs. Commerce City can be confident in our team's ability to provide accurate cost estimates for this project.

By continuously reviewing both the design and potential construction costs throughout the life of the project, we can provide an efficient and economical project that exceeds Commerce City's expectations, which is our definition of a successful project.

CURRENT WORKLOAD AND CAPACITY



C. QUALIFICATIONS AND KEY PERSONNEL

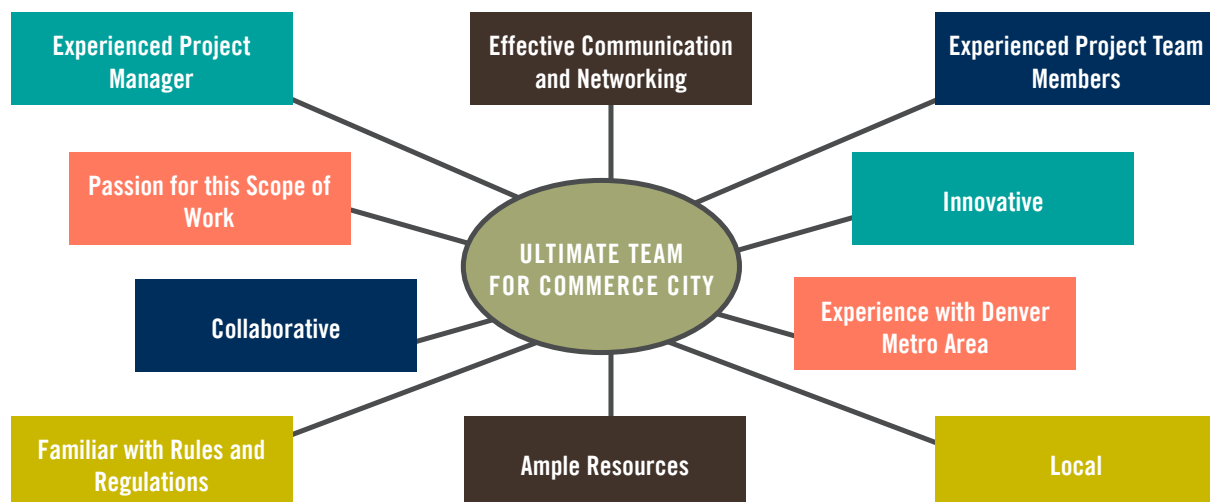


C. QUALIFICATIONS OF CONTRACTOR AND KEY PERSONNEL

Team Member / Role / Office Location / Years of Experience / Firm	Summary of Qualifications, Relevant Individual Experience, and Unique Knowledge
Gerald Prusik, PE Project Manager Denver, CO 40 Years <i>Huitt-Zollars, Inc.</i>	▶ 40 years of public works engineering experience including municipal street widening and rehabilitation, intersections, drainage, utilities, parking, and multi-modal involvement projects ▶ Available to communicate effectively with client and coordinate multiple stakeholders ▶ Familiar with Commerce City and the flow of traffic through this area
Wendy Amann, PE Principal-in-Charge Denver, CO 28 Years <i>Huitt-Zollars, Inc.</i>	▶ Authorized to sign documents for the firm ▶ Effective communication skills ▶ Will ensure appropriate resources are available for successful project completion
Scott Eddings, PE Quality Manager Rio Rancho, NM 26 Years <i>Huitt-Zollars, Inc.</i>	▶ 26 years of public works experience ▶ Extensive roadway experience for a variety of municipalities and public works agencies ▶ Firm-wide quality reviewer, with an attention to detail
Jeffrey Peisley Roadway Design and SUE / Construction Administration Denver, CO 26 Years <i>Huitt-Zollars, Inc.</i>	▶ Extensive experience in developing roadway plan and profile drawings to conform to agency standards ▶ Has experience with the City of Commerce City on the recent Tower Road project ▶ Knowledge of industry standards enables him to produce cost effective as well as constructable projects
Cindy Arteaga, PE Structural Design Dallas, TX 4 Years <i>Huitt-Zollars, Inc.</i>	▶ Extensive bridge design experience ▶ Lead Bridge Designer for new City of Arvada pedestrian bridge over Clear Creek ▶ Works well with other team members for a thorough integration of bridge design into the project
Daisy Quintana, EIT, CFM Drainage Design Denver, CO 10 Years <i>Huitt-Zollars, Inc.</i>	▶ Forward-thinking professional passionate about hydrology / hydraulic systems engineering ▶ Committed to designing high quality, environmentally conscious and cost-effective hydrological solutions for Colorado and local communities ▶ Works well with clients and field personnel
Alejandra Gallegos, PE, PTOE Traffic Engineering and Signal Layout El Paso, TX 7 Years <i>Huitt-Zollars, Inc.</i>	▶ Prepares traffic plans for various offices throughout the firm ▶ Diverse experience working with public work clients ▶ Familiar with Front Range industry standards
Jeffrey Roberts, PE, LEED AP Street Lighting Design Fort Worth, TX 27 Years <i>Huitt-Zollars, Inc.</i>	▶ Provides lighting designs for projects throughout the firm ▶ Solid grasp of local requirements enables him to design quickly and efficiently ▶ Works well with landscape team to provide ultimate streetscape experience

Team Member / Role / Office Location / Years of Experience / Firm	Summary of Qualifications, Relevant Individual Experience, and Unique Knowledge
Ry Rusk, PLS Survey and ROW Documents Denver, CO 14 years <i>Foresight West Surveying</i>	▶ Vast project management experience including, boundary, ROW, construction, utility instillation, GPS control, drainage, topographic, environmental, earthwork volumes, preparation of legal descriptions, and records research ▶ Proficient with the latest advances in surveying technology including robotic total stations, GPS, and 3D laser scanning ▶ Experience on large scale projects and working on many Huitt-Zollars teams
Jim Noll, PE Geotechnical Engineering Denver, CO 40 years <i>Kumar & Associates</i>	▶ Experience with FWD, dilatometer, refraction microtremor, cone penetration, and specialized instrumentation and analyses for rock and soil slope stability and retaining wall global stability ▶ Worked on previous Huitt-Zollars teams, including projects in Thornton and Aurora
Kevin Ramberg Environmental Studies and Permitting Denver, CO 20 years <i>ACI Consulting</i>	▶ Extensive experience permitting federal and state actions in Colorado. Permitted by the USFWS to conduct habitat evaluations and censusing surveys for various endangered species ▶ Experience documenting under NEPA, the Endangered Species Act and the Clean Water Act
Mark Wilcox, LA, ASLA Landscape and Irrigation Denver, CO 25 years <i>DHM Design</i>	▶ Experience with Commerce City requirements ▶ Thorough knowledge of effective streetscape solutions ▶ Has worked with Huitt-Zollars on several projects and is responsive to clients' needs
Steve Jacques Utility Test Holes Henderson, CO 33 years <i>BTrenchless</i>	▶ Extensive experience in providing SUE services throughout the Front Range area ▶ Familiar with municipal requirements ▶ Has worked on many Huitt-Zollars teams
Larry Risinger, SR/WA, RPLS ROW Acquisition Centennial, CO 28 years <i>Universal Field Services</i>	▶ Experience in Commerce City ▶ Worked with Huitt-Zollars on complex ROW acquisition projects

Full resumes are included in the Appendix.



D. PAST PERFORMANCE



D. PAST PERFORMANCE

Tower Road Widening - Commerce City, CO

As a keynote project in the City's capital improvement program, the Tower Road Widening project improved Tower Road from 81st Avenue to 103rd Avenue. The project widened the existing two-lane facility to four lanes, divided with a raised landscaped median. In addition to roadway reconstruction and widening, other improvements included three traffic signal controlled intersections (81st Avenue, 88th Avenue, and 96th Avenue), new drainage and water quality facilities, a major drainage structure with pedestrian underpass at 2nd Creek, sanitary sewer, potable water, landscaping and irrigation, street lighting, and numerous relocations of existing utilities. The City acquired a significant amount of right-of-way from the adjacent properties, and extensive stakeholder coordination was required. The project was just under three miles and cost approximately \$30 million to construct.

There were six intersections within the limits of the Tower Road Widening project: three major arterial intersections, and three minor arterial intersections. Each of the major arterial intersections were specialized with select auxiliary right-turn lanes. These Tower Road intersections had to be able to handle current and anticipated future traffic volumes due to the rapidly expanding commercial activity in the area.



Cost of Project: \$30 million
Completion Date: 2019

REFERENCE:

Davis Reinhart, MSPE

Edifice North

PO Box 140942

Edgewater, CO 80214

P: 720.923.5935

E: davis@edificenorth.com



Cost of Project: \$3.8 million
Completion Date: 2020

Lowell Boulevard - Adams County, CO

Huitt-Zollars prepared construction documents for the widening of Lowell Boulevard from West 56th Avenue to West 62nd Avenue. The project included new curb, gutter, sidewalk, and widening the road from two to three lanes with a continuous center turn lane. The work also included a geotechnical study, traffic study, drainage study (with a floodplain no-rise certification), storm sewer, water quality elements, USACE 404 Permit, right-of-way acquisition documents, and right-of-way acquisition services.

REFERENCE:

Ian Cortez, PLS, RWA

Adams County

4340 South Adams County Parkway

Brighton, CO 80601

P: 720.523.6835

E: icortez@adcogov.org

128th Avenue Widening and Colorado Boulevard Intersection Improvements - Thornton, CO

Huitt-Zollars prepared construction bid documents (plans and technical specifications) for widening approximately one mile of an existing three-lane major arterial street to five lanes. Work includes geometric design (including a new roundabout), drainage design, signing and striping plans, maintenance of traffic plans, auxiliary intersection turn lanes, traffic signal replacement, landscape design, and erosion control plans. The intersection at 128th Avenue and Colorado Boulevard currently provides single left-turn lanes on both of these major arterial streets. One of the City's goals on this project was to provide double left-turn lanes in all four directions. Our design accommodated this goal and achieved other improvements, including new ADA compliant curb ramps on each of the four corners (among others), shifted lanes on the west side of the intersection to align with the existing laneage on the east side of the intersection, all four traffic signal poles were relocated or replaced due to the approach street widening, and maintained right-turn auxiliary lanes in all four directions.



Cost of Project: \$6 million
Completion Date: 2020 est.

REFERENCE:

Grant Bloom

City of Thornton

9500 Civic Center Drive

Thornton, CO 80229

P: 303.538.7236

E: grant.bloom@cityofthornton.net



Cost of Project: \$1.6 million
Completion Date: 2020 est.

REFERENCE:

Kris Gardner, PE

City of Arvada

8101 Ralston Road

Arvada, CO 80002

P: 720.898.7647

E: k.gardner@arvada.org

Tennyson Complete and Connected Corridor - Arvada, CO

Huitt-Zollars was chosen as the prime designer for the City of Arvada's Tennyson Complete and Connected project, conceived to provide a consistent and defined horizontal alignment with one lane of traffic in both the north and south direction on Tennyson Street, from Clear Creek to W 64th Avenue. Buffered bike lanes or "Sharrows" are to be striped in both directions of travel. Work includes: removals, pavement widening, curb, gutter and sidewalk, storm sewer improvements, signing and striping, and ROW acquisition. Additionally, a new pedestrian bridge is being constructed over Clear Creek, downstream of Tennyson Street.

Adams County contracted with Huitt-Zollars, independently, to provide additional hydraulic analysis of the Clear Creek floodplain as an initial work element to eventually replace the existing Tennyson Street bridge. This work was performed to define the requirements of the future Tennyson Street bridge and ensure that the new pedestrian bridge is compatible with both the existing and future Tennyson Street bridges, without causing any floodplain impacts. The pedestrian bridge also resulted in other ancillary work required to relocate the City of Westminster's Kershaw Ditch headworks to mitigate an impact of the new pedestrian bridge.

E. EXCLUSIONS AND ADDITIONAL SERVICES

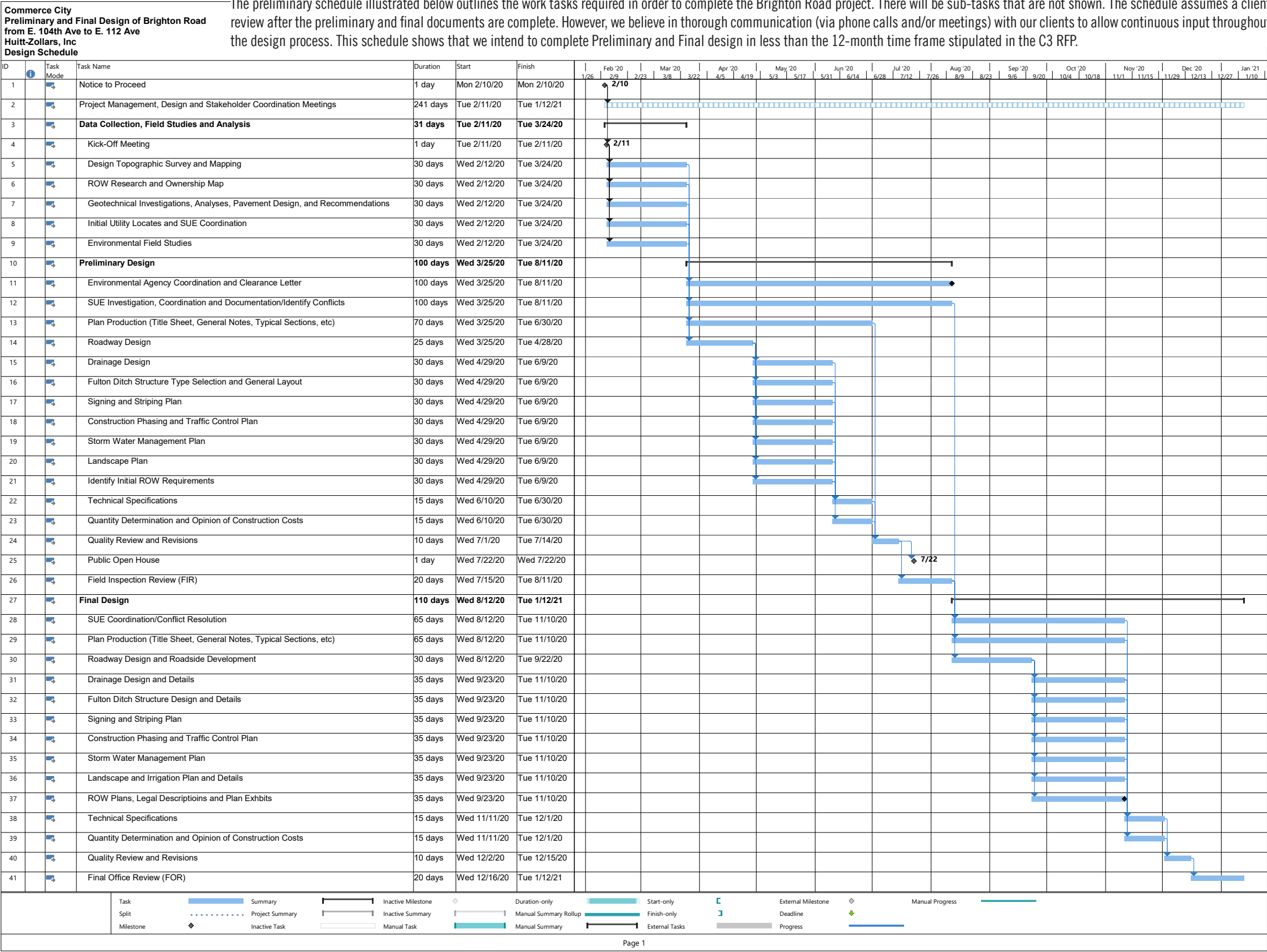
F. PRELIMINARY PROJECT SCHEDULE

E. EXCLUSIONS AND ADDITIONAL SERVICES

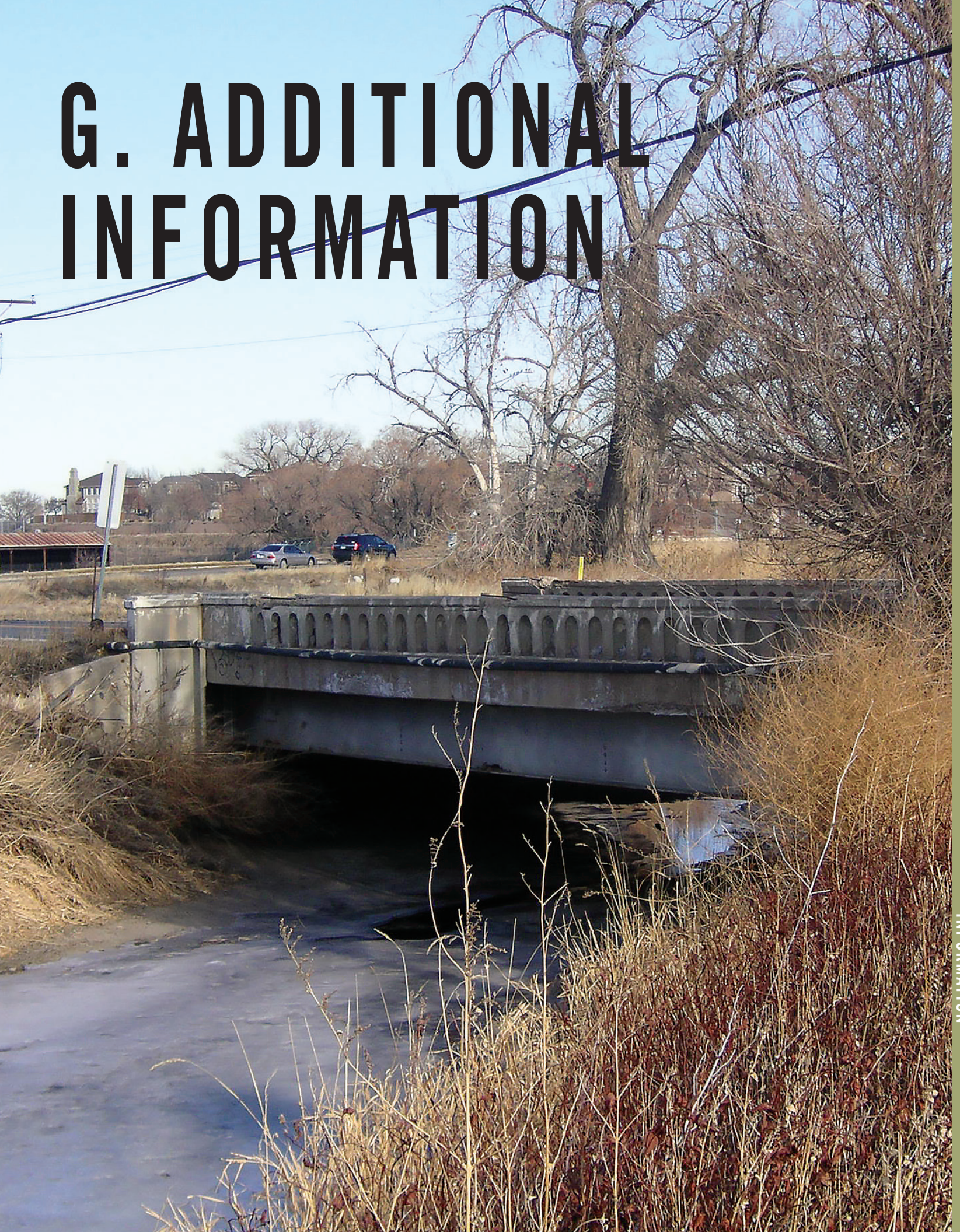
All exclusions and proposed modifications to the contract can be found in the Appendix.

F. PRELIMINARY PROJECT SCHEDULE

The preliminary schedule illustrated below outlines the work tasks required in order to complete the Brighton Road project. There will be sub-tasks that are not shown. The schedule assumes a client review after the preliminary and final documents are complete. However, we believe in thorough communication (via phone calls and and/or meetings) with our clients to allow continuous input throughout the design process. This schedule shows that we intend to complete Preliminary and Final design in less than the 12-month time frame stipulated in the C3 RFP.



G. ADDITIONAL INFORMATION



G. ADDITIONAL INFORMATION

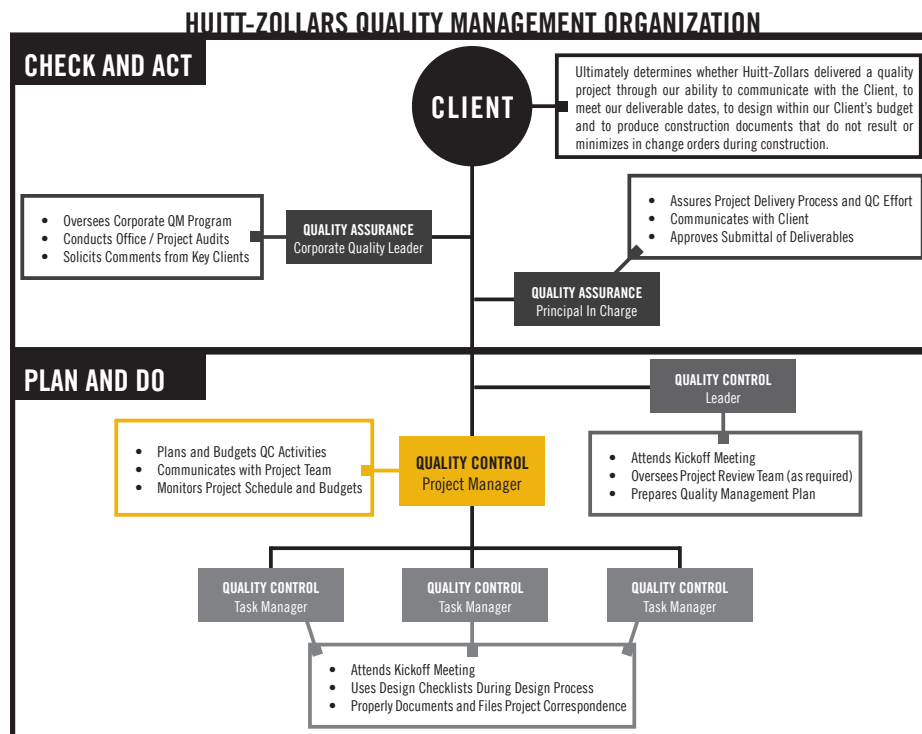
QUALITY MANAGEMENT APPROACH

Huitt-Zollars utilizes an ISO 9001:2015 compliant Quality Management System that serves as the foundation for continuous performance improvement in every aspect of our work. Performance is continuously measured for effectiveness and efficiency, and we aim to ensure that our services provide added responsiveness and value to Commerce City's Brighton Road Improvement Project.

Wendy Amann, PE, Principal-in-Charge, will actively monitor the work to ensure that uniform practices and expectations are in place. Scott Eddings, PE, as Quality Manager, will ensure that the project specific quality plan is prepared and implemented by the entire team, and will perform or direct independent technical reviews of all milestone submittals to ensure that they are accurate and complete.

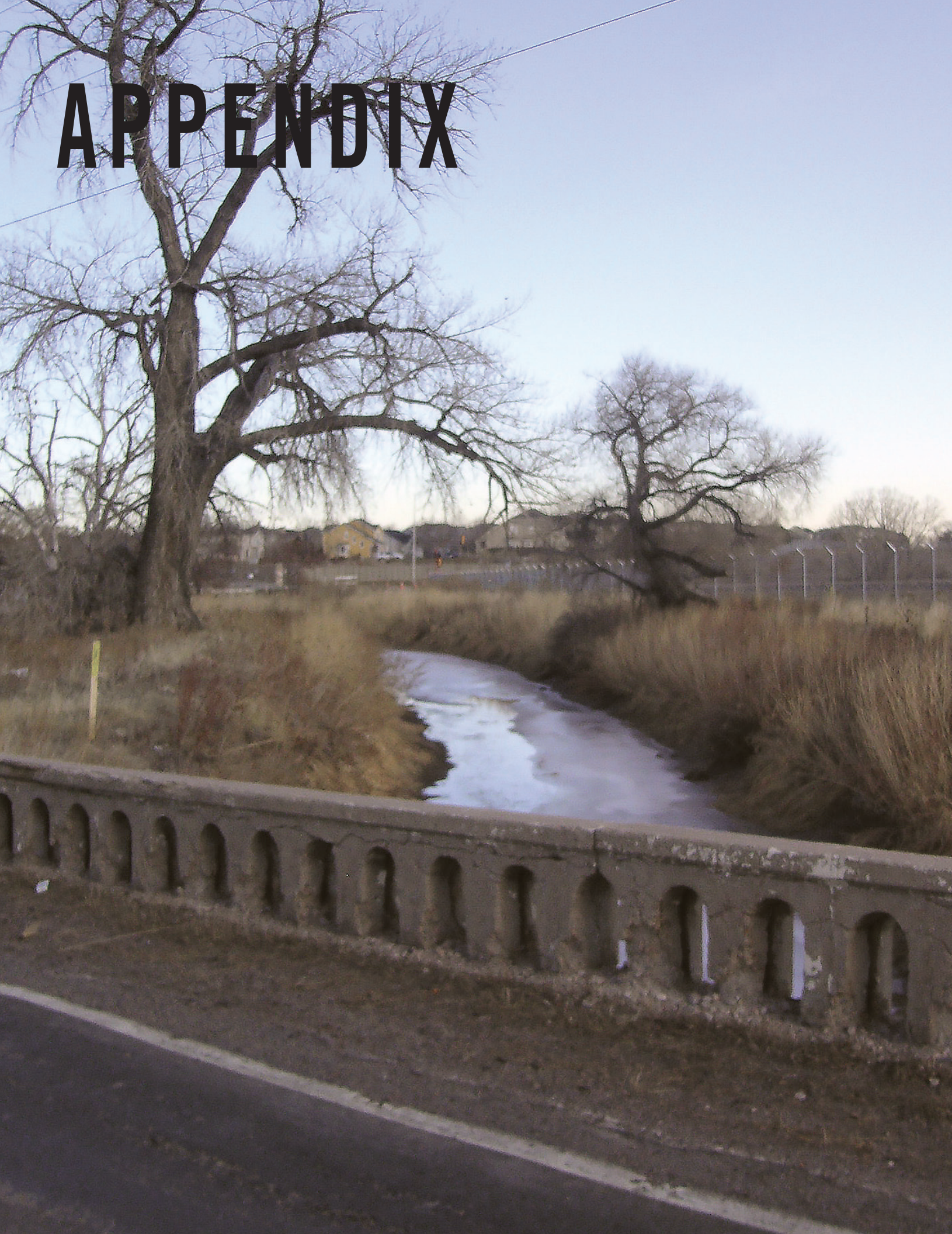
Our quality process starts with training and a clearly defined work plan, and results in the quality product that the City of Commerce City expects. Some of the key initiatives that will take place in this process include the following:

- Prepare a Project Quality Management Plan (QMP) that defines the scope, schedule, and role for each project participant and the uniform quality procedures to employ on the assignment.
- Conduct a quality / review.
- Employ uniform procedures and policies based on the City's policies and procedures.
- Employ uniform documentation and distribution methods for progress reports, design decisions, and current design documents so every team member has current information.
- Use design review checklists for each design discipline to validate the design process, confirm that standards and expectations are being met, and provide an opportunity for coordination among all disciplines.
- Provide constructability analyses at major milestones during design.
- Provide an environment of seamless teamwork and cooperation.
- Audit team activities for compliance with the QMP.
- Verify conformance to design criteria, contract requirements, and other documents.
- Employ a pro-active review, comment, and disposition process to resolve each and every comment.



We understand that ultimately it will be at the discretion of the City of Commerce City to determine if our team has provided quality service. We are committed to working with your staff to see that you receive the quality services you deserve.

APPENDIX



GERALD "JERRY" PRUSIK, PE

Project Manager / Construction Administration - Huitt-Zollars

EXPERIENCE

40 Years

EDUCATION

1986/BS, Civil
Engineering Technology
- Metropolitan State
University of Denver

REGISTRATION

Professional Engineer:
Colorado #25083

Jerry Prusik is eager to take on this project for the City of Commerce City. The latter part of his career has been focused on managing large projects across the firm, using resources from various offices to get the work accomplished. He has great skill in bringing a diverse group of people together through consistent and frequent communication (via emails, phone calls, and in-person meetings). Jerry has the depth of experience to know just when a task needs to be initiated in a project and how to manage all facets of a design process in order to bring a project to completion on time and within budget. Despite the challenges that will come with this project, Jerry will be able to provide a solution that encompasses safe passage for pedestrians, and motorized travelers as well as efficient vehicular movement along Brighton Road. Commerce City will benefit from this specific knowledge that Prusik will bring to the project.

RELEVANT PROJECT EXPERIENCE

Tower Road Widening - Commerce City, Colorado

Alameda and Buckley Intersection Improvements - Aurora, Colorado

32nd and Airport Intersection - Aurora, Colorado

Knight Trucking and 32nd Entrance Improvements - Aurora, Colorado

128th Widening and Colorado Boulevard Intersection Improvements - Thornton, Colorado

North College Pedestrian Gap - Fort Collins, Colorado

Tennyson Complete and Connected Corridor - Arvada, Colorado

Lowell Boulevard Widening - Adams County, Colorado

Colorado Boulevard Reconstruction, Welby Road to 103rd Avenue - Thornton, Colorado

WENDY AMANN, PE

Principal-in-Charge - Huitt-Zollars

EXPERIENCE

28 Years

EDUCATION

1989/BS, Mechanical
Engineering - Colorado
School of Mines

REGISTRATION

Professional Engineer:
Colorado #32040

Wendy Amann serves as a principal in charge, a project manager, and a quality control manager for Huitt-Zollars, actively participating in various projects throughout the firm. Amann has a good understanding of municipal processes and can bring her personal knowledge and experiences to this project. She will be responsible for making sure the firm's resources are properly allocated to ensure the project will proceed efficiently, within schedule and budget, while meeting the goals and requirements of the stakeholders. Her personal attention to each and every project assures our clients are fully satisfied with the service they receive from Huitt-Zollars.

RELEVANT PROJECT EXPERIENCE

Tower Road Widening - Commerce City, Colorado

Lowell Boulevard Widening - Adams County, Colorado

128th Widening and Colorado Boulevard Intersection Improvements - Thornton, Colorado

Iron Horse Park - Fort Carson, Colorado

Aurora South Satellite Site Improvement - Aurora, Colorado

Aurora Intersection and Bicycle Lane Improvements (On-Call) - Aurora, Colorado

Tennyson Complete and Connected Corridor - Arvada, Colorado

North College Pedestrian Gap - Fort Collins, Colorado

SCOTT EDDINGS, PE

Quality Manager - Huitt-Zollars

EXPERIENCE

26 Years

EDUCATION

1990/BS, Civil
Engineering -
University of New
Mexico

REGISTRATION

Professional Engineer:
New Mexico #12856

Scott Eddings has 26 years of design and management experience on a wide range of transportation and public works projects. He has been responsible for projects involving land development, water facilities, roadways, intersections, highways, and utility systems while offering a strong background in project entitlements. He is also responsible for quality reviews of similar projects throughout the firm. His in-depth knowledge of the planning and design process makes it possible for him to effectively communicate clearly with the design team throughout the project life. Commerce City can be confident in Eddings' ability to ensure both a quality assurance program that is followed and thoroughly reviewed project documents.

RELEVANT PROJECT EXPERIENCE

NM 585 Widening - Taos, New Mexico

Southern Boulevard Realignment - Albuquerque, New Mexico

Second Street Roadway and Drainage Improvements - Albuquerque, New Mexico

Camino Encantadas Roadway Improvements - Rio Rancho, New Mexico

NM 550 Sprint Intersection Improvements - Rio Rancho, New Mexico

Second Street Traffic Circulation Improvements - Albuquerque, New Mexico

Intersection of Grand Avenue, 7th Street, and East Jackson Signal Design - Las Vegas, New Mexico

Intersection of NM 599 and I-25 WFR - Santa Fe, New Mexico

JEFFREY PEISLEY

Roadway and SUE / Construction Administration - Huitt-Zollars

EXPERIENCE

26 Years

EDUCATION

2014/MBA - University
of Phoenix

2012/BS, Business
Management -
University of Phoenix

Peisley is versed in all aspects of development that include right of way, roadway layouts, parking area circulation, underground utilities, and drainage. Peisley is also adept in transportation projects that include roadway widening, intersection improvements, Signal Pole locating, ADA ramp design, and utility relocations. Peisley's drainage experience varies from outfall planning studies to local site drainage with detention ponds and outlet control structures. Commerce City will benefit from the experience Peisley brings and the breadth of design knowledge he displays on every project.

RELEVANT PROJECT EXPERIENCE

Tower Road Widening 81st Ave to 103rd Ave - Commerce City, Colorado

Lowell Boulevard Widening - Adams County, Colorado

Adams County Fleet Transportation Facility - Commerce City, Colorado

Tennyson Complete and Connected Corridor - Arvada, Colorado

Iron Horse Park Site Improvements - Fort Carson, Colorado

Aurora 32nd and Airport Intersection - Aurora, Colorado

128th Widening and Colorado Boulevard Intersection Improvements - Thornton, Colorado

Long Road Reconstruction - Greenwood Village, Colorado

North College Pedestrian Gap - Fort Collins, Colorado



**Peisley successfully
completed the CDOT
SWMP Preparer course
work and achieved CDOT
Certification.**

CINDY ARTEAGA, PE

Structural Design - Huitt-Zollars

EXPERIENCE

4 Years

EDUCATION

2015/BS, Civil Engineering; BS, Mathematics; Minor, Mechanical Engineering - Southern Methodist University

REGISTRATION

Professional Engineer: Texas #134013

Cindy Arteaga is a structural engineer with 4 years of experience. Her unique background as a structural engineer with a minor in mechanical engineering makes her a perfect fit for a variety of projects. She has extensive experience with a multitude of different types of projects including bridges, roadways, culverts, utility infrastructure, and pedestrian sidewalks. This diverse background makes her a perfect fit for this Commerce City project.

RELEVANT PROJECT EXPERIENCE

Arvada Tennyson Corridor, Pedestrian Bridge - Arvada, Colorado

Gadberry Sims Bayou S101A Bent 3 - Houston, Texas

Bridge Hydraulics on 12th and Crooked Creek-Goldsby - Goldsby, Oklahoma

Bridges and Approaches CN77NBI05329, Board of County Commissioners, Logan County - Guthrie, Oklahoma

Clark Condon - HPB - Buffalo Bayou Phase II Greenway, Houston Parks Board LGC, Inc. - Houston, Texas

Cibolo Expressway - Parkway - Cibola, Texas

Cibolo- Supplemental Svs During Financing Period - Cibola, Texas

City of Dallas Urban Design Capacity Building Program - Dallas, Texas

DAISY QUINTANA, EIT, CFM

Drainage Design - Huitt-Zollars

EXPERIENCE

10 Years

EDUCATION

1999/BS, Civil Engineering, Minor in Latin American Political Economy - Colorado School of Mines

REGISTRATION

Engineer-in-Training: Colorado #64104

Daisy Quintana is a water resource and civil engineer-in-training. She is a Colorado native and dedicated civil engineer skilled in all phases of engineering operations. Quintana is forward-thinking professional passionate about hydrology/hydraulic systems engineering. With her 10 years of experience, she is committed to designing high-quality, environmentally conscious, and cost-effective hydrological solutions for Colorado and local communities.

RELEVANT PROJECT EXPERIENCE

Smoky Hill Cut-off Park-n-Ride - Centennial, Colorado

University and Mexico Master Drainage Plan - Denver, Colorado

40th Avenue Master Drainage Plan - Denver, Colorado

Upper Goldsmith and South Outfall Ditch - Denver, Colorado

First Creek - Denver, Colorado

Town of Berthoud Roadway Construction - Berthoud, Colorado

Adams County Fleet Transportation Facility - Adams County, Colorado

Tennyson Complete and Connected Corridor - Arvada, Colorado



**Daisy is a
Certified Floodplain
Manager**

ALEJANDRA GALLEGOS, PE, PTOE

Traffic Engineering and Signal Layout - Huitt-Zollars

EXPERIENCE

7 Years

EDUCATION

2012/MS, Civil
Engineering - University
of Texas at El Paso

2010/BS, Civil
Engineering - University
of Texas at El Paso

REGISTRATION

Professional Engineer:
Texas #123237

Professional Traffic
Operations Engineer:
PTOE #4220

Alejandra Gallegos has over seven years of experience in traffic and transportation engineering projects. Her capabilities include traffic and planning studies, parking studies, design of ADA compliant accessible routes, traffic control, pedestrian hybrid beacon design, traffic signal design, roadway design, and signing and striping for roadways, school zones and railroad crossings. Ms. Gallegos has experience with AutoCAD, Microstation, GEOPAK, SignCAD, GuidSIGN, Synchro Traffic Signal Optimization Software, VISSIM Traffic Simulation Software, and the Highway Capacity Software.

RELEVANT PROJECT EXPERIENCE

Ventura Road and Wagon Wheel Road Traffic Signal Design - *Oxnard, California*

University Park Master Plan Study - *University Park, Texas*

TIRZ 9 & TIRZ 25 Traffic Analysis - *Houston, Texas*

Enchanted Bay Traffic Impact Analysis - *Fort Worth, Texas*

Cunningham Tract Traffic Impact Analysis - *Fort Worth, Texas*

El Paso Independent School District Central Operations Hub Traffic Impact Analysis - *El Paso, Texas*

Roundabout at Edgemere Boulevard and RC Poe Road - *El Paso, Texas*

City of El Paso Traffic Signal Design Services - *El Paso, Texas*

City of the Village Traffic Signal Design and Modifications - *The Village, Oklahoma*

Henderson Complete Street - *Dallas, Texas*

US-95 Roundabouts - *San Luis, Arizona* **Light Farms Regional Lake and Dam** - *Celina, Texas*

JEFFREY ROBERTS, PE, LEED AP

Street Lighting Design - Huitt-Zollars

EXPERIENCE

27 YEARS

EDUCATION

1987/BS, Electrical
Engineering - Louisiana
State University

REGISTRATION

Professional Engineer:
Colorado #33121

Jeffrey Roberts is an Electrical Engineer with 27 years of experience in project management, the design of street lighting, interior and exterior lighting, electrical power distribution systems, medium voltage distribution systems, HVAC systems, plumbing systems, fire protection systems, telecommunications systems, security, and fire alarm systems for a diverse range of facility types. He is a licensed engineer in all states and the District of Columbia.

RELEVANT PROJECT EXPERIENCE

CU Boulder Champions Center Door Replacement - *Boulder, Colorado*

Stifel Office Remodel - *Denver, Colorado*

Downtown Streetscape Lighting - *Brownwood, Texas*

Temple Visitors Plaza - *Temple, Texas*

Roadway Lighting - *Allen, Texas*

Sam's Club - *Thornton, Colorado*

Stifel Office Remodel - *Denver, Colorado*

Denison Main Street Improvements - *Denison, Texas*

RY RUSK, PLS

Survey and ROW Documents - Foresight West Surveying

EXPERIENCE

14 Years

EDUCATION

BS, Geological Science
and Chemistry - Albion
College

BS, Survey Engineering
- Ferris State University

REGISTRATION

Professional Surveyor:
Colorado #38226

Ry Rusk has 14 years of surveying experience in the performance and management of projects including, boundary, ROW, construction, utility installation and as-builts, GPS control, drainage, topographic, environmental, earthwork volumes, preparation of legal descriptions, and records research. Rusk has experience with the latest advances in survey technology including robotic total stations, GPS, and 3D laser scanning. Rusk is also a proficient CAD technician and has experience with computer software including AutoCAD Civil 3D, Trimble Business Center, Trimble Realworks, and Carlson Survey.

RELEVANT PROJECT EXPERIENCE

Broomfield PW Service Center Expansion - *Broomfield, Colorado*
128th Widening and Colorado Boulevard Intersection Improvements - *Thornton, Colorado*
North Washington Street Widening - *Thornton, Colorado*
Tennysen Complete and Connected Corridor - *Arvada, Colorado*
Lowell Boulevard Improvements 56th to 62nd Ave - *Adams County, Colorado*
Plum Creek Parkway Bridge Widening - *Castle Rock, Colorado*
North Washington Street Widening - *Thornton, Colorado*
Eastgate Infrastructure Filing No. 01 - *Aurora, Colorado*
Climax Mine Restart Project - *Climax, Colorado*

JIM NOLL, PE

Geotechnical Engineering - Kumar & Associates

EXPERIENCE

40 Years

EDUCATION

1985/BS, Civil
Engineering - University
of Colorado

1979/BS, Geology -
Winona State University

REGISTRATION

Professional Engineer:
Colorado #27051

Jim Noll has 40 years of experience in geotechnical, geological and materials engineering. He has performed a wide variety of investigations and engineering services for projects including transportation; drainage/ waterways; retail, industrial and commercial buildings; water and wastewater treatment/ distribution facilities; residential development; earthen dams; and mining operations. Transportation related projects range from urban interchanges to mountainous terrain to rural aggregate surface roadways. Structures associated with the projects include single to multi span bridges and viaducts, and numerous retaining wall types. His background includes project management ranging from small-scale projects to large, multi-year contracts for various governmental agencies.

RELEVANT PROJECT EXPERIENCE

Lowell Blvd. Improvements - *Adams County, Colorado*
Fort Collins Pedestrian Gap - *Fort Collins, Colorado*
128th Ave and Claude Court Widening and Realignment North of 124th Ave - *Thornton, Colorado*
144th Avenue Improvements - *Thornton, Colorado*
144th Avenue and Colorado Blvd Intersection Improvements - *Thornton, Colorado*
I-25 and 84th Avenue - *Thornton, Colorado*
York International School Addition and Pavements - *Thornton, Colorado*
Talon Pointe Residential Development Pavements - *Thornton, Colorado*
Federal Blvd. Bridge Replacement over Colfax Ave. - *Denver, Colorado*
E-470 Segment 1 Reconstruction - *Denver, Colorado*

KEVIN RAMBERG

Environmental Studies and Permitting - ACI Consulting

EXPERIENCE

20 Years

EDUCATION

BS, Biology - University
of Texas at Austin

CERTIFICATIONS

USFWS Permitted

Kevin Ramberg is a principal at ACI and serves as the firm's Chief Operating Officer. Ramberg's work concentrates within the federal, state, and local environmental regulations as they relate to authorization of public and private works. He has experience documenting under NEPA, the Endangered Species Act and the Clean Water Act. Ramberg has extensive experience permitting federal and state actions in Texas, New Mexico, and Colorado. His work includes infrastructure improvements including transportation, oil, gas and water transmission, and surface water management. Ramberg is permitted by the USFWS to conduct habitat evaluations and censusing surveys for various endangered species.

RELEVANT PROJECT EXPERIENCE

Iron Horse Park, Jurisdictional Water Assessment and Section 404 Permit Application - Fort Carson, Colorado

Commerce Place CLOMR, Endangered Species Act Assessment - Commerce City, Colorado Environmental Site Assessment - Boulder, Colorado

Endangered Species assessment for 37-Mile Pipeline - Weld County, Colorado

Preble's Meadow Jumping Mouse Assessment for Valley Crest Landscape Expansion - Parker, Colorado

West 48th Avenue Environmental Site Assessment - Denver, Colorado

Kate's Pasture Archaeological and Paleontological Review - Jefferson County, Colorado

Environmental Site Assessment - Arvada, Colorado

MARK WILCOX, LA, ASLA

Landscape and Irrigation - DHM Design

EXPERIENCE

25 Years

EDUCATION

B. of Landscape
Architecture - Kansas
State University

REGISTRATION

Professional Landscape
Architect:
Colorado #204

American Society of
Landscape Architects

Mark Wilcox's passion lies in his ability to communicate a vision. Through pencil and paper he is able to bring design ideas to life; through facilitation and workshops he is an advocate for his projects and the people they ultimately serve. Mark has been involved in a variety of work ranging from streetscapes and community designs; resort master planning and development, to parks, trails, public facilities, and athletic fields. Mark's contributions to DHM showcase his many diverse talents managing projects, creating beautiful colorful renderings, planning and designing, and understanding the technical aspects of implementing these designs through construction to completion. His outstanding abilities have led to DHM's success with the award-winning and trend setting projects throughout the United States.

RELEVANT PROJECT EXPERIENCE

Tower Road Widening - Commerce City, Colorado

Long Road Reconstruction - Greenwood Village, Colorado

106th Avenue & Biscay Streetscape - Commerce City, Colorado

Centennial Valley Business Park Streetscape - Louisville, Colorado

Reunion Streetscape; - Commerce City, Colorado

Northern Range Streetscape Master Plan - Commerce City, Colorado

Highway 2 Beautification; - Commerce City, Colorado

Belmar Commons - Lakewood, Colorado

STEVE JACQUES

Utility Test Holes - BTrenchless

EXPERIENCE

33 Years

CERTIFICATIONS

OSHA Competent Person

OSHA Hazardous

Material

OSHA Site Supervisor

CPR & First Aid

Strategic Planning

Steve Jacques has 33 years of experience in the transportation industry, specifically with projects that require utility potholing and contracting. As Vice President of Field Operations and General Superintendent for BTrenchless, Jacques provides leadership to all field employees and manages projects schedules, manpower and budgets. In addition to his above duties and responsibilities, Jacques also manages all Potholing project for the firm.

RELEVANT PROJECT EXPERIENCE

128th Widening and Colorado Boulevard Intersection Improvements - Thornton, Colorado

Lowell Boulevard Improvements 56th to 62nd Ave - Adams County, Colorado

Long Road Reconstruction - Greenwood Village, Colorado

Thornton Justice Center Remediation - Thornton, Colorado

East Gravel Lakes - Thornton, Colorado

136th & Holly Waterline Improvements - Thornton, Colorado

2014 Loveland Waterline Replacement - Loveland, Colorado

2011 Inactive Taps-Potholing - Denver, Colorado

2010 Denver Water Disconnects-Potholing - Denver, Colorado

2008 Denver Water Disconnects-Potholing - Denver, Colorado

Silver Plume Water Improvements - Silver Plume, Colorado

LARRY RISINGER, SR/WA, RPLS

ROW Acquisition - Universal Field Services

EXPERIENCE

28 Years

EDUCATION

BS, Geology - Stephen F.

Austin State University

Larry Risinger has been active in the right-of-way industry since 1990 when he came to work for Universal to work on the Super Collider Project in Texas. He's the Vice President for Texas, Colorado, New Mexico, Utah, and Wyoming. He is familiar with all phases of the land acquisition and relocation processes. His work as a surveyor in Texas is useful for issues involving title and legal descriptions.

RELEVANT PROJECT EXPERIENCE

Lowell Boulevard Widening - Adams County, Colorado

Tennyson Complete and Connected Corridor - Arvada, Colorado

Denver Regional Transportation District (RTD) FasTracks West Corridor - Various Locations, Colorado

CDOT US 85 - Various Locations, Colorado

CDOT Fort Morgan - Various Locations, Colorado

Loop 375-Border Highway West Extension - El Paso, Texas

SH 121 Outer Loop to North of FM 455 - Collin County, Texas

SH 146 Red Bluff to the Harris / Galveston County Line - Seabrook, Texas

Utah Department of Transportation - Various Locations, Utah

Various International
Right of Way
Association courses

REGISTRATION

Member, International

Right of Way

Association Senior

Designation (SR/WA)

Professional Land

Surveyor:

Texas #4880

E. EXCLUSIONS AND ADDITIONAL SERVICES

As requested, we have the following comments and proposed changes to the standard terms and conditions within the City of Commerce City's contract.

Article I.E. entitled "Warranties" should be deleted in its entirety and replaced with the "Standard of Care" with the following language following:

E. Standard of Care. In providing services under this Agreement, the Contractor shall perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances at the same time and in the same or similar locality. Upon notice to the Contractor and by mutual agreement between the parties, the Contractor will, without additional compensation, correct those services not meeting such a standard. The Contractor makes no warranty, express or implied, as to its professional services rendered under this Agreement.

Reason for requested change above -- Although warranties may be commonplace in a constructor's contract, they have no place in a design consultant's agreement. The problem is that by definition, the word warrant means to assure the total accuracy of something and to certify that "... all work will be free from defects." The requirement for Warranties as noted lies in a construction contract, not a professional services contract. The perfect set of plans has yet to be produced and therefore professional services firms cannot and do not warrant their work. In addition, if we were to warrant something, we would be assuming a level of contractual liability well beyond the standard of care required by law. As a design professional, all we are required to do is conform to the standard of care as practiced by our peers. And that's what our professional liability insurance covers. It is important to remember that our professional liability insurance does not cover breach of contract or breach of warranty, the assumption of someone else's liability, or a promise to perform to a higher standard of care than required by law. Engineers, Architects, Surveyors and other designated professional service firms must perform in accordance with the Standard of Care as defined above. We therefore respectfully request a change in this section language.

Article IX.E. entitled "Time is of the Essence". We request that the following sentence be added at the end of the first sentence:

"Notwithstanding the foregoing, Contractor shall not be responsible for delays or damages or declared to be in default by reason of delays in performance or by reason of strikes, lockouts, accidents, acts of God, and other delays unavoidable or beyond Engineer's reasonable control, delays in approval by governmental agencies, or delays in work of other consultants performing services on behalf of the City.

Reason for requested change above -- We agree with the concept of maintaining a strict schedule to the extent possible, but the language in this clause does not account for delays caused by issues beyond our ability to control, including, but not limited to extreme weather events, etc. We therefore respectfully request this change to add these extenuating circumstance to be excused instead of any delay potentially being considered "breach of our agreement" as the current language implies.

Why *Choose* HUITT-ZOLLARS ?

- ✓ We have worked with Commerce City previously and understand your requirements.
- ✓ Extensive experience with roadway improvement projects.
- ✓ We are excited and available to get started immediately!

“

OUR *COMMITMENT* IS TO
UNDERSTAND THE NEEDS OF OUR
CLIENTS AND TO MEET THOSE NEEDS BY
DELIVERING PROFESSIONAL SERVICES
WITH THE HIGHEST LEVEL OF *QUALITY*
AND *INTEGRITY*”

”

HUITT-ZOLIARS

4582 South Ulster Street, Suite 240
Denver, Colorado 80237
P: 303.740.7325 • F: 303.224.9997

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Huitt-Zollars, Inc
Fee Summary

Firm	Fee	
	Base	Additional
Huitt-Zollars, Inc	\$ 210,545	\$ 116,920
Foresight West Surveying	\$ 82,740	\$ 14,580
Kumar and Associates	\$ 17,630	\$ 4,795
ACI Consulting Group	\$ 10,980	\$ -
DHM Design	\$ 18,535	\$ 7,180
Universal Field Services	\$ 525	\$ 53,895
Total	\$ 340,955	\$ 197,370



Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Huitt-Zollars, Inc
Base Services Manhour and Fee Estimate

Task	Manhours								Fee			
	PIC	QM	Sr PM	Str Eng	EI	SD	PS		HZ	Direct Expense	Sub Consultant	Total
	\$235	\$225	\$195	\$145	\$125	\$155	\$65					
Project Management, Design and Stakeholder Coordination Meetings	12		80			24		116	\$ 22,140	\$ -	\$ 2,015	\$ 24,155
Data Collection, Field Studies and Analysis												
Kickoff Meeting	2	2	6	2	2	2	1	17	\$ 3,005	\$ -	\$ 580	\$ 3,585
Design Topographic Survey and Mapping			2		4			6	\$ 890	\$ -	\$ 36,080	\$ 36,950
ROW Research and Ownership Map			4		4	4		12	\$ 1,900	\$ -	\$ 7,200	\$ 9,100
Geotechnical Investigation Analyses, Pavement Design and Recommendations			2	2	2	2		8	\$ 1,240	\$ -	\$ 19,180	\$ 20,430
Initial Utility Locates and SUE Coordination			4		24	12		40	\$ 5,640	\$ -	\$ -	\$ 5,640
Environmental Field Studies			4		4	2		10	\$ 1,590	\$ -	\$ 4,120	\$ 5,710
Preliminary Design												
Environmental Agency Coordination and Clearance Letter			8		4	4		16	\$ 2,680	\$ -	\$ 4,950	\$ 7,630
SUE Investigation, Coordination and Documentation/Identify Conflicts			8		40	12		60	\$ 8,420	\$ -	\$ 3,600	\$ 12,020
Plan Production (Title Sheet, General Notes, Typical Sections, etc)			4	2	40	40		86	\$ 12,270	\$ -	\$ -	\$ 12,270
Roadway Design			8		24	12		44	\$ 6,420	\$ -	\$ -	\$ 6,420
Drainage Design			4		24	12		40	\$ 5,840	\$ -	\$ -	\$ 5,840
Fulton Ditch Structure General Layout			4	24	12	8						
Signing and Striping Plan			4		12	4		20	\$ 2,900	\$ -	\$ -	\$ 2,900
Construction Phasing and Traffic Control Plan			8		16	12		36	\$ 5,420	\$ -	\$ -	\$ 5,420
Storm Water Management Plan			4		12	24		40	\$ 6,000	\$ -	\$ -	\$ 6,000
Landscape Plan			2		4	4		10	\$ 1,510	\$ -	\$ 2,970	\$ 4,480
Identify Initial ROW Requirements			4		12	8		24	\$ 3,520	\$ -	\$ 770	\$ 4,290
Technical Specifications			12		12	8	4	36	\$ 5,340	\$ -	\$ 570	\$ 5,910
Quantity Determination and Opinion of Construction Costs			8		24	12		44	\$ 6,420	\$ -	\$ 1,135	\$ 7,555
Quality Review and Revisions		12	4	2	4	4		26	\$ 4,890	\$ -	\$ 395	\$ 5,285
Public Open House			12		16	12		40	\$ 6,200	\$ -	\$ 2,990	\$ 9,180
Field Inspection Review (FIR)			4			4	2	10	\$ 1,530	\$ -	\$ 4,500	\$ 6,030
Final Design												
SUE Coordination/Conflict Resolution			12		24	16		52	\$ 7,820	\$ -	\$ 2,400	\$ 10,220
Plan Production (Title Sheet, General Notes, Typical Sections, etc)			4	2	40	40		86	\$ 12,270	\$ -	\$ -	\$ 12,270
Roadway Design and Roadside Development			8		24	12		44	\$ 6,420	\$ -	\$ -	\$ 6,420
Drainage Design and Details			4		40	12		56	\$ 7,840	\$ -	\$ -	\$ 7,840
Fulton Ditch Structure Design and Details			8	80	40	16						
Signing and Striping Plan			4		12	8		24	\$ 3,520	\$ -	\$ -	\$ 3,520
Construction Phasing and Traffic Control Plan			8		16	12		36	\$ 5,420	\$ -	\$ -	\$ 5,420
Storm Water Management Plan			4		8	24		36	\$ 5,500	\$ -	\$ -	\$ 5,500
Landscape and Irrigation Plan and Details			4		4	4		12	\$ 1,900	\$ -	\$ 2,360	\$ 4,260
ROW Plans, Legal Descriptions and Plan Exhibits			4		12	8		24	\$ 3,520	\$ -	\$ 28,640	\$ 32,160
Technical Specifications			16		16	12	8	52	\$ 7,500	\$ -	\$ 570	\$ 8,070
Quantity Determination and Opinion of Construction Costs			8	6	24	16		54	\$ 7,910	\$ -	\$ 1,110	\$ 9,020
Quality Review and Revisions		16	8	4	12	12		52	\$ 9,100	\$ -	\$ 370	\$ 9,470
Final Office Review (FOR)			4			4	2	10	\$ 1,530	\$ -	\$ 2,210	\$ 3,740
Construction Administration												
Pre-Construction Meeting			4			4		8	\$ 1,400	\$ -	\$ 425	\$ 1,825
Requests for Information (RFI)			8	2	8	8		26	\$ 4,090	\$ -	\$ 425	\$ 4,515
Shop Submittals			4	8				16	\$ 2,560	\$ -	\$ 425	\$ 2,985
Construction Document Clarification			4	2		4		10	\$ 1,690	\$ -	\$ 450	\$ 2,140
Final Acceptance Review			4	2		4		10	\$ 1,690	\$ -	\$ -	\$ 1,690
Direct Expenses										\$ 3,500		\$ 3,500
	14	30	320	138	576	448	17	1,349	\$ 207,045	\$ 3,500	\$ 130,410	\$ 340,955

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Hultt-Zollars, Inc
Additional Services Manhour and Fee Estimate

Task	Manhours							Fee			
	PMC	QM	Sr PM	Str Eng	EI	SD	PS	HZ	Direct Expense	Sub Consultant	Total
	\$235	\$225	\$195	\$145	\$125	\$155	\$85				
Additional Right-of-Way Services											
Additional Title Commitments (6)								0 \$ -	\$ -	\$ 3,000	\$ 3,000
Additional ROW Legal Descriptions and Plan Exhibits (6)			2		6	6		14 \$ 2,070	\$ -	\$ 3,300	\$ 5,370
ROW and Easement Acquisition (10)											
Appraisals								0 \$ -	\$ -	\$ 8,570	\$ 8,570
Offer Letters								0 \$ -	\$ -	\$ 4,285	\$ 4,285
Good Faith Negotiations								0 \$ -	\$ -	\$ 31,350	\$ 31,350
Final Legal Descriptions and Plan Exhibits								0 \$ -	\$ -	\$ 2,040	\$ 2,040
City Council Approvals	8							8 \$ 1,880	\$ -	\$ -	\$ 1,880
Real Estate Closings								0 \$ -	\$ -	\$ 3,345	\$ 3,345
Coordination w/C3 Legal Counsel								0 \$ -	\$ -	\$ 3,345	\$ 3,345
Utility Potholing (30)											
Utility Potholes			4		4	4		12 \$ 1,900	\$ 24,000	\$ -	\$ 25,900
Survey Utility Potholes								0 \$ -	\$ -	\$ 3,000	\$ 3,000
Incorporate Utility Pothole Data into Utility Plans			4		24	12		40 \$ 5,640	\$ -	\$ -	\$ 5,640
Property Owner/Citizen Coordination											
Compile Ownership List (40)			4				8	12 \$ 1,300	\$ -	\$ -	\$ 1,300
Individual Property Owner Meetings (40)			80			40	10	130 \$ 22,450	\$ -	\$ -	\$ 22,450
Plan Changes after FDR Comments											
FOR Revisions			12	8	16	16		52 \$ 7,980	\$ -	\$ 2,020	\$ 10,000
Landscape Revisions								0 \$ -	\$ -	\$ 2,020	\$ 2,020
Plan Reproduction Services											
Bid Document Reproduction (per C3 RFP)								0 \$ -	\$ 4,000	\$ -	\$ 4,000
Water and Sanitary Sewer Relocations											
SACWSD Water and/or Sanitary Sewer Relocation Plans			16		52	32		100 \$ 14,580	\$ -	\$ -	\$ 14,580
SACWSD Special Provisions			4		8		2	14 \$ 1,910	\$ -	\$ -	\$ 1,910
Opinion of Construction Costs			4		12	8		24 \$ 3,520	\$ -	\$ -	\$ 3,520
Retaining Wall Design											
Geotechnical Investigation, Analyses and Foundation Recommendations								0 \$ -	\$ -	\$ 4,795	\$ 4,795
Retaining Wall Layout and Design			8		24	16		48 \$ 7,040	\$ -	\$ -	\$ 7,040
Project Special Provisions			4		4		2	10 \$ 1,410	\$ -	\$ -	\$ 1,410
Miscellaneous Additional Survey											
Supplemental Field Survey								0 \$ -	\$ -	\$ 6,240	\$ 6,240
Additional Project and Public Coordination											
Progress Meetings			24				4	28 \$ 4,940	\$ -	\$ -	\$ 4,940
Public Open House (1) (incl location arrangements, exhibits, notification, etc)			8		12	8	2	30 \$ 4,430	\$ -	\$ 3,140	\$ 7,570
Maintain Mail List			2		8		4	14 \$ 1,650	\$ -	\$ -	\$ 1,650
Individual Property Owner Meetings (2)			4				2	8 \$ 910	\$ -	\$ -	\$ 910
Bid Services											
Pre-Bid Meeting			2					2 \$ 390	\$ -	\$ -	\$ 390
Bid Addenda			2		4	4		10 \$ 1,510	\$ -	\$ -	\$ 1,510
Bid Opening and Documentation			2					2 \$ 390	\$ -	\$ -	\$ 390
Issued for Construction Documents			4		8	8		20 \$ 3,020	\$ -	\$ -	\$ 3,020
Total	8	0	190	8	182	154	34	576 \$ 88,920	\$ 28,000	\$ 80,450	\$ 197,370

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Foresight West Surveying
Base Services Manhour and Fee Estimate

Task	Manhours								Fee		
	Prof Land Surveyor	2 Person Survey Crew	1 Person Survey Crew	Survey CAD Tech	Survey Project Manager	Drone & Pilot	Legal Desc & Exhibits	Total	FWS	Direct Expense	Total
	\$140	\$168	\$120	\$120	\$120	\$140	\$550				
Project Management, Design and Stakeholder Coordination Meetings								0	\$ -	\$ -	\$ -
Data Collection, Field Studies and Analysis											
Kickoff Meeting								0	\$ -	\$ -	\$ -
Design Topographic Survey and Mapping	20	30	100	120	4	10		284	\$ 36,080	\$ -	\$ 36,080
ROW Research and Ownership Map				60				60	\$ 7,200	\$ -	\$ 7,200
Geotechnical Investigation Analyses, Pavement Design and Recommendations			12		1			13	\$ 1,560	\$ -	\$ 1,560
Initial Utility Locates and SUE Coordination								0	\$ -	\$ -	\$ -
Environmental Field Studies								0	\$ -	\$ -	\$ -
Preliminary Design											
Environmental Agency Coordination and Clearance Letter								0	\$ -	\$ -	\$ -
SUE Investigation, Coordination and Documentation/Identify Conflicts				20	10			30	\$ 3,600	\$ -	\$ 3,600
Plan Production (Title Sheet, General Notes, Typical Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design								0	\$ -	\$ -	\$ -
Fulton Ditch Structure General Layout								0	\$ -	\$ -	\$ -
Drainage Design								0	\$ -	\$ -	\$ -
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape Plan								0	\$ -	\$ -	\$ -
Identify Initial ROW Requirements	4							4	\$ 560	\$ -	\$ 560
Technical Specifications								0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs								0	\$ -	\$ -	\$ -
Quality Review and Revisions								0	\$ -	\$ -	\$ -
Public Open House								0	\$ -	\$ -	\$ -
Field Inspection Review (FIR)					8			8	\$ 960	\$ -	\$ 960
Final Design											
SUE Coordination/Conflict Resolution				20				20	\$ 2,400	\$ -	\$ 2,400
Plan Production (Title Sheet, General Notes, Typical Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design and Roadside Development								0	\$ -	\$ -	\$ -
Drainage Design and Details								0	\$ -	\$ -	\$ -
Fulton Ditch Structure Design and Details								0	\$ -	\$ -	\$ -
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape and Irrigation Plan and Details								0	\$ -	\$ -	\$ -
ROW Plans, Legal Descriptions and Plan Exhibits	32		48	80			16	176	\$ 28,840	\$ -	\$ 28,840
Technical Specifications								0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs								0	\$ -	\$ -	\$ -
Quality Review and Revisions								0	\$ -	\$ -	\$ -
Final Office Review (FOR)	4			10				14	\$ 1,760	\$ -	\$ 1,760
Construction Administration											
Pre-Construction Meeting								0	\$ -	\$ -	\$ -
Requests for Information (RFI)								0	\$ -	\$ -	\$ -
Shop Submittals								0	\$ -	\$ -	\$ -
Construction Document Clarification								0	\$ -	\$ -	\$ -
Final Acceptance Review								0	\$ -	\$ -	\$ -
	60	30	160	310	23	10	16	609	\$ 82,740	\$ -	\$ 82,740

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Foresight West Surveying
Additional Services Manhour and Fee Estimate

Task	Manhours							Fee			
	Prof Land Surveyor	2 Person Survey Crew	1 Person Survey Crew	Survey CAD Tech	Survey Project Manager	Drone & Pilot	Legal Desc & Exhibits	Total	FWS	Direct Expense	Total
	\$140	\$166	\$120	\$120	\$120	\$140	\$550				
Additional Right-of-Way Services								0 \$	-	\$	-
Additional Title Commitments (6)								6 \$	3,300	\$	3,300
Additional ROW Legal Descriptions and Plan Exhibits (6)											
ROW and Easement Acquisition (10)								0 \$	-	\$	-
Appraisals								0 \$	-	\$	-
Offer Letters								0 \$	-	\$	-
Good Faith Negotiations								0 \$	-	\$	-
Final Legal Descriptions and Plan Exhibits	6			10				16 \$	2,040	\$	2,040
City Council Approvals								0 \$	-	\$	-
Real Estate Closings								0 \$	-	\$	-
Coordination w/C3 Legal Counsel								0 \$	-	\$	-
Utility Potholing (30)								0 \$	-	\$	-
Utility Potholes								25 \$	3,000	\$	3,000
Survey Utility Potholes			20	5				0 \$	-	\$	-
Incorporate Utility Pothole Data into Utility Plans											
Property Owner/Citizen Coordination								0 \$	-	\$	-
Compile Ownership List (40)								0 \$	-	\$	-
Individual Property Owner Meetings (40)											
Plan Changes after FOR Comments								0 \$	-	\$	-
FOR Revisions								0 \$	-	\$	-
Landscape Revisions											
Plan Reproduction Services								0 \$	-	\$	-
Bid Document Reproduction (per C3 RFP)											
Water and Sanitary Sewer Relocations								0 \$	-	\$	-
SACWSD Water and/or Sanitary Sewer Relocation Plans								0 \$	-	\$	-
SACWSD Special Provisions								0 \$	-	\$	-
Opinion of Construction Costs											
Retaining Wall Design								0 \$	-	\$	-
Geotechnical Investigation, Analyses and Foundation Recommendations								0 \$	-	\$	-
Retaining Wall Layout and Design								0 \$	-	\$	-
Project Special Provisions											
Miscellaneous Additional Survey								52 \$	6,240	\$	6,240
Supplemental Field Survey			30	20	2						
Additional Project and Public Coordination								0 \$	-	\$	-
Progress Meetings								0 \$	-	\$	-
Public Open House (1) (incl location arrangements, exhibits, notification, etc)								0 \$	-	\$	-
Maintain Mail List								0 \$	-	\$	-
Individual Property Owner Meetings (2)								0 \$	-	\$	-
Bid Services								0 \$	-	\$	-
Pre-Bid Meeting								0 \$	-	\$	-
Bid Addenda								0 \$	-	\$	-
Bid Opening and Documentation								0 \$	-	\$	-
Issued for Construction Documents											
Total	6	0	50	35	2	0	6	99 \$	14,580	\$	14,580

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Kumar and Associates
Base Services Manhour and Fee Estimate

Task	Manhours							Fee		
	Principal Engineer	Proj Eng Geologist	Field Engineer	Drafter	Word Processor			KA	Direct Expense	Total
	\$205	\$90	\$70	\$80	\$50					
Project Management, Design and Stakeholder Coordination Meetings								0 \$	- \$	- \$
Data Collection, Field Studies and Analysis										
Kickoff Meeting								0 \$	- \$	- \$
Design Topographic Survey and Mapping								0 \$	- \$	- \$
ROW Research and Ownership Map								0 \$	- \$	- \$
Geotechnical Investigation Analyses, Pavement Design and Recommendations	8	28	32	7	2			77 \$	7,060	10,570
Initial Utility Locates and SUE Coordination								0 \$	- \$	- \$
Environmental Field Studies								0 \$	- \$	- \$
Preliminary Design										
Environmental Agency Coordination and Clearance Letter								0 \$	- \$	- \$
SUE Investigation, Coordination and Documentation/Identify Conflicts								0 \$	- \$	- \$
Plan Production (Title Sheet, General Notes, Typical Sections, etc)								0 \$	- \$	- \$
Roadway Design								0 \$	- \$	- \$
Drainage Design								0 \$	- \$	- \$
Fulton Ditch Structure General Layout								0 \$	- \$	- \$
Signing and Striping Plan								0 \$	- \$	- \$
Construction Phasing and Traffic Control Plan								0 \$	- \$	- \$
Storm Water Management Plan								0 \$	- \$	- \$
Landscape Plan								0 \$	- \$	- \$
Identify Initial ROW Requirements								0 \$	- \$	- \$
Technical Specifications								0 \$	- \$	- \$
Quantity Determination and Opinion of Construction Costs								0 \$	- \$	- \$
Quality Review and Revisions								0 \$	- \$	- \$
Public Open House								0 \$	- \$	- \$
Field Inspection Review (FIR)								0 \$	- \$	- \$
Final Design										
SUE Coordination/Conflict Resolution								0 \$	- \$	- \$
Plan Production (Title Sheet, General Notes, Typical Sections, etc)								0 \$	- \$	- \$
Roadway Design and Roadside Development								0 \$	- \$	- \$
Drainage Design and Details								0 \$	- \$	- \$
Fulton Ditch Structure Design and Details								0 \$	- \$	- \$
Signing and Striping Plan								0 \$	- \$	- \$
Construction Phasing and Traffic Control Plan								0 \$	- \$	- \$
Storm Water Management Plan								0 \$	- \$	- \$
Landscape and Irrigation Plan and Details								0 \$	- \$	- \$
ROW Plans, Legal Descriptions and Plan Exhibits								0 \$	- \$	- \$
Technical Specifications								0 \$	- \$	- \$
Quantity Determination and Opinion of Construction Costs								0 \$	- \$	- \$
Quality Review and Revisions								0 \$	- \$	- \$
Final Office Review (FOR)								0 \$	- \$	- \$
Construction Administration										
Pre-Construction Meeting								0 \$	- \$	- \$
Requests for Information (RFI)								0 \$	- \$	- \$
Shop Submittals								0 \$	- \$	- \$
Construction Document Clarification								0 \$	- \$	- \$
Final Acceptance Review								0 \$	- \$	- \$
	8	28	32	7	2	0	0	77 \$	7,060	10,570
										17,630

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Kumar and Associates
Additional Services Manhour and Fee Estimate

Task	Manhours							Fee			
	Principal Engineer	Proj Eng Geologist	Field Engineer	Drafter	Word Processor			Total	KA	Direct Expense	Total
	\$205	\$90	\$70	\$80	\$50						
Additional Right-of-Way Services								0 \$	- \$	- \$	- \$
Additional Title Commitments (6)								0 \$	- \$	- \$	- \$
Additional ROW Legal Descriptions and Plan Exhibits (6)											
ROW and Easement Acquisition (10)								0 \$	- \$	- \$	- \$
Appraisals								0 \$	- \$	- \$	- \$
Offer Letters								0 \$	- \$	- \$	- \$
Good Faith Negotiations								0 \$	- \$	- \$	- \$
Final Legal Descriptions and Plan Exhibits								0 \$	- \$	- \$	- \$
City Council Approvals								0 \$	- \$	- \$	- \$
Real Estate Closings								0 \$	- \$	- \$	- \$
Coordination w/C3 Legal Counsel								0 \$	- \$	- \$	- \$
Utility Potholing (30)								0 \$	- \$	- \$	- \$
Utility Potholes								0 \$	- \$	- \$	- \$
Survey Utility Potholes								0 \$	- \$	- \$	- \$
Incorporate Utility Pothole Data into Utility Plans								0 \$	- \$	- \$	- \$
Property Owner/Citizen Coordination								0 \$	- \$	- \$	- \$
Compile Ownership List (40)								0 \$	- \$	- \$	- \$
Individual Property Owner Meetings (40)											
Plan Changes after FOR Comments								0 \$	- \$	- \$	- \$
FOR Revisions								0 \$	- \$	- \$	- \$
Landscape Revisions											
Plan Reproduction Services								0 \$	- \$	- \$	- \$
Bid Document Reproduction (per C3 RFP)											
Water and Sanitary Sewer Relocations								0 \$	- \$	- \$	- \$
SACWSD Water and/or Sanitary Sewer Relocation Plans								0 \$	- \$	- \$	- \$
SACWSD Special Provisions								0 \$	- \$	- \$	- \$
Opinion of Construction Costs											
Retaining Wall Design								18 \$	1,515	3,280	4,795
Geotechnical Investigation, Analyses and Foundation Recommendations	1	5	10	2				0 \$	- \$	- \$	- \$
Retaining Wall Layout and Design								0 \$	- \$	- \$	- \$
Project Special Provisions											
Miscellaneous Additional Survey								0 \$	- \$	- \$	- \$
Supplemental Field Survey											
Additional Project and Public Coordination								0 \$	- \$	- \$	- \$
Progress Meetings								0 \$	- \$	- \$	- \$
Public Open House (1) (incl location arrangements, exhibits, notification, etc)								0 \$	- \$	- \$	- \$
Maintain Mail List								0 \$	- \$	- \$	- \$
Individual Property Owner Meetings (2)								0 \$	- \$	- \$	- \$
Bid Services								0 \$	- \$	- \$	- \$
Pre-Bid Meeting								0 \$	- \$	- \$	- \$
Bid Addenda								0 \$	- \$	- \$	- \$
Bid Opening and Documentation								0 \$	- \$	- \$	- \$
Issued for Construction Documents								0 \$	- \$	- \$	- \$
Total	1	5	10	2	0	0	0	18 \$	1,515	3,280	4,795

DATA SERVICES (continued)

	4	40	12	0	32	8	0	98	\$	10,980	\$	-	\$	10,980
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Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
ACI Consulting Group
Additional Services Manhour and Fee Estimate

Task	Manhours							Fee		
	Principal Ecologist	PM	Arch Lead	Scientist II	Scientist I	Admin	Total	ACI	Direct Expense	Total
	\$195	\$135	\$110	\$135	\$95	\$55				
Additional Right-of-Way Services							0	\$	-	\$ -
Additional Title Commitments (6)							0	\$	-	\$ -
Additional ROW Legal Descriptions and Plan Exhibits (6)										
ROW and Easement Acquisition (10)							0	\$	-	\$ -
Appraisals							0	\$	-	\$ -
Offer Letters							0	\$	-	\$ -
Good Faith Negotiations							0	\$	-	\$ -
Final Legal Descriptions and Plan Exhibits							0	\$	-	\$ -
City Council Approvals							0	\$	-	\$ -
Real Estate Closings							0	\$	-	\$ -
Coordination w/C3 Legal Counsel							0	\$	-	\$ -
Utility Potholing (30)							0	\$	-	\$ -
Utility Potholes							0	\$	-	\$ -
Survey Utility Potholes							0	\$	-	\$ -
Incorporate Utility Pothole Data into Utility Plans							0	\$	-	\$ -
Property Owner/Citizen Coordination							0	\$	-	\$ -
Complete Ownership List (40)							0	\$	-	\$ -
Individual Property Owner Meetings (40)										
Plan Changes after FOR Comments							0	\$	-	\$ -
FOR Revisions							0	\$	-	\$ -
Landscape Revisions										
Plan Reproduction Services							0	\$	-	\$ -
Bid Document Reproduction (per C3 RFP)										
Water and Sanitary Sewer Relocations							0	\$	-	\$ -
SACWSD Water and/or Sanitary Sewer Relocation Plans							0	\$	-	\$ -
SACWSD Special Provisions							0	\$	-	\$ -
Opinion of Construction Costs										
Retaining Wall Design							0	\$	-	\$ -
Geotechnical Investigation, Analyses and Foundation Recommendations							0	\$	-	\$ -
Retaining Wall Layout and Design							0	\$	-	\$ -
Project Special Provisions										
Miscellaneous Additional Survey							0	\$	-	\$ -
Supplemental Field Survey										
Additional Project and Public Coordination							0	\$	-	\$ -
Progress Meetings							0	\$	-	\$ -
Public Open House (1) (incl location arrangements, exhibits, notification, etc)							0	\$	-	\$ -
Maintain Mail List							0	\$	-	\$ -
Individual Property Owner Meetings (2)							0	\$	-	\$ -
Bid Services							0	\$	-	\$ -
Pre-Bid Meeting							0	\$	-	\$ -
Bid Addenda							0	\$	-	\$ -
Bid Opening and Documentation							0	\$	-	\$ -
Issued for Construction Documents							0	\$	-	\$ -
Total	0	0	0	0	0	0	0	\$	-	\$ -

Base Services Manhour and Fee Estimate

	27	74	68	0	0	0	0	169	\$	18,110	\$	425	\$	18,535
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Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
DHM Design
Additional Services Manhour and Fee Estimate

Task	Manhours							Fee		
	PIC/PM	PM	Designer	Irrigation Designer				DHM	Direct Expense	Total
	\$170	\$100	\$90	\$90						
Additional Right-of-Way Services							0	\$ -	\$ -	\$ -
Additional Title Commitments (6)							0	\$ -	\$ -	\$ -
Additional ROW Legal Descriptions and Plan Exhibits (6)										
ROW and Easement Acquisition (10)										
Appraisals							0	\$ -	\$ -	\$ -
Offer Letters							0	\$ -	\$ -	\$ -
Good Faith Negotiations							0	\$ -	\$ -	\$ -
Final Legal Descriptions and Plan Exhibits							0	\$ -	\$ -	\$ -
City Council Approvals							0	\$ -	\$ -	\$ -
Real Estate Closings							0	\$ -	\$ -	\$ -
Coordination w/C3 Legal Counsel							0	\$ -	\$ -	\$ -
Utility Potholing (30)										
Utility Potholes							0	\$ -	\$ -	\$ -
Survey Utility Potholes							0	\$ -	\$ -	\$ -
Incorporate Utility Pothole Data into Utility Plans							0	\$ -	\$ -	\$ -
Property Owner/Citizen Coordination										
Compile Ownership List (40)							0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (40)							0	\$ -	\$ -	\$ -
Plan Changes after FOR Comments										
FOR Revisions	2	6	12				20	\$ 2,020	\$ -	\$ 2,020
Landscape Revisions	2	6	12				20	\$ 2,020	\$ -	\$ 2,020
Plan Reproduction Services										
Bid Document Reproduction (per C3 RFP)							0	\$ -	\$ -	\$ -
Water and Sanitary Sewer Relocations										
SACWSD Water and/or Sanitary Sewer Relocation Plans							0	\$ -	\$ -	\$ -
SACWSD Special Provisions							0	\$ -	\$ -	\$ -
Opinion of Construction Costs							0	\$ -	\$ -	\$ -
Retaining Wall Design										
Geotechnical Investigation, Analyses and Foundation Recommendations							0	\$ -	\$ -	\$ -
Retaining Wall Layout and Design							0	\$ -	\$ -	\$ -
Project Special Provisions							0	\$ -	\$ -	\$ -
Miscellaneous Additional Survey										
Supplemental Field Survey							0	\$ -	\$ -	\$ -
Additional Project and Public Coordination										
Progress Meetings							0	\$ -	\$ -	\$ -
Public Open House (1) (incl location arrangements, exhibits, notification, etc)	5	8	16				29	\$ 3,090	\$ 50	\$ 3,140
Maintain Mail List							0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (2)							0	\$ -	\$ -	\$ -
Bid Services										
Pre-Bid Meeting							0	\$ -	\$ -	\$ -
Bid Addenda							0	\$ -	\$ -	\$ -
Bid Opening and Documentation							0	\$ -	\$ -	\$ -
Issued for Construction Documents							0	\$ -	\$ -	\$ -
Total	9	20	40	0	0	0	69	\$ 7,130	\$ 50	\$ 7,180

Case Services Information and Fee Schedule

Commerce City, Colorado
Preliminary and Final Design of Brighton Road
from E. 104th Ave to E. 112th Ave
Universal Field Services
Additional Services Manhour and Fee Estimate

Task	Manhours							Fee		
	PM	Senior Agent					Total	UFS	Direct Expense	Total
	\$105	\$94								
Additional Right-of-Way Services							0	\$ -	\$ 3,000	\$ 3,000
Additional Title Commitments (6)							0	\$ -	\$ -	\$ -
Additional ROW Legal Descriptions and Plan Exhibits (6)										
ROW and Easement Acquisition (10)										
Appraisals	10	80					90	\$ 8,570	\$ -	\$ 8,570
Offer Letters	5	40					45	\$ 4,285	\$ -	\$ 4,285
Good Faith Negotiations	30	300					330	\$ 31,350	\$ -	\$ 31,350
Final Legal Descriptions and Plan Exhibits							0	\$ -	\$ -	\$ -
City Council Approvals							0	\$ -	\$ -	\$ -
Real Estate Closings	5	30					35	\$ 3,345	\$ -	\$ 3,345
Coordination w/C3 Legal Counsel	5	30					35	\$ 3,345	\$ -	\$ 3,345
Utility Potholing (30)										
Utility Potholes							0	\$ -	\$ -	\$ -
Survey Utility Potholes							0	\$ -	\$ -	\$ -
Incorporate Utility Pothole Data into Utility Plans							0	\$ -	\$ -	\$ -
Property Owner/Citizen Coordination										
Compile Ownership List (40)							0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (40)							0	\$ -	\$ -	\$ -
Plan Changes after FOR Comments										
FOR Revisions							0	\$ -	\$ -	\$ -
Landscape Revisions							0	\$ -	\$ -	\$ -
Plan Reproduction Services										
Bid Document Reproduction (per C3 RFP)							0	\$ -	\$ -	\$ -
Water and Sanitary Sewer Relocations										
SACWSD Water and/or Sanitary Sewer Relocation Plans							0	\$ -	\$ -	\$ -
SACWSD Special Provisions							0	\$ -	\$ -	\$ -
Opinion of Construction Costs							0	\$ -	\$ -	\$ -
Retaining Wall Design										
Geotechnical Investigation, Analyses and Foundation Recommendations							0	\$ -	\$ -	\$ -
Retaining Wall Layout and Design							0	\$ -	\$ -	\$ -
Project Special Provisions							0	\$ -	\$ -	\$ -
Miscellaneous Additional Survey										
Supplemental Field Survey							0	\$ -	\$ -	\$ -
Additional Project and Public Coordination										
Progress Meetings							0	\$ -	\$ -	\$ -
Public Open House (1) (incl location arrangements, exhibits, notification, etc)							0	\$ -	\$ -	\$ -
Maintain Mail List							0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (2)							0	\$ -	\$ -	\$ -
Bid Services										
Pre-Bid Meeting							0	\$ -	\$ -	\$ -
Bid Addenda							0	\$ -	\$ -	\$ -
Bid Opening and Documentation							0	\$ -	\$ -	\$ -
Issued for Construction Documents							0	\$ -	\$ -	\$ -
Total	55	480	0	0	0	0	535	\$ 50,895	\$ 3,000	\$ 53,895