

CONTRACT FOR GOODS AND/OR SERVICES

THIS AGREEMENT ("Agreement"), made this 14th day of December 2021, between the Town of Frisco, a Colorado home rule municipal corporation, hereinafter referred to as "FRISCO" and JR Engineering, a company, as an independent contractor, hereinafter referred to as "CONTRACTOR," provides as follows:

ARTICLE I SCOPE OF SERVICES

Section 1.1 Services: CONTRACTOR agrees to perform the work, personal services and/or furnish the necessary equipment, supplies or materials in accordance with and/or as described in Attachment A hereto, hereinafter referred to as the "Project" or the "Scope of Services." Attachment A hereto is hereby incorporated by reference and made a part of this Agreement.

Section 1.2 Scope of Services: FRISCO agrees to retain CONTRACTOR to complete the Project. CONTRACTOR shall commence work upon direction to proceed and complete the Project on or before December 31, 2022 or services not to exceed ONE HUNDRED SEVENTY-FIVE THOUSAND DOLLARS (\$175,000). Additional services beyond those listed in Attachment A, if requested, shall be provided only when authorized in writing by FRISCO.

Section 1.3 Independent Contractor: CONTRACTOR shall at all times control the means and manner by which CONTRACTOR performs the work, subject to FRISCO's right to monitor, evaluate and improve such work. CONTRACTOR shall at all times be and act as an independent contractor and not as an employee of FRISCO.

Section 1.4 Warranty of Contractor: CONTRACTOR warrants that title to all services, materials and equipment covered and paid for under this Agreement will pass to FRISCO either by incorporation in the Project or upon the receipt of payment by CONTRACTOR, whichever occurs first, free and clear of all liens, claims, security interests or encumbrances; and that no services, materials or equipment paid for under this Agreement will have been acquired by CONTRACTOR, or by any other person performing services at the site or furnishing materials and equipment for the Project, subject to an agreement under which an interest therein or an encumbrance thereon is retained by the seller or otherwise imposed by CONTRACTOR or such other person.

ARTICLE II ADMINISTRATION OF THIS AGREEMENT

Section 2.1 Project Performance: In consideration of the compensation provided for in this Agreement, CONTRACTOR agrees to perform or supply the Project, in accordance with generally accepted standards and practices of the industry, and warrants all materials incorporated in the Project to be free from defect of material or workmanship

and conform strictly to the specifications, drawings or samples specified or furnished. This Section 2.1 shall survive any inspection, delivery, acceptance or payment by FRISCO.

Section 2.2 Oversight: All of the work associated with the Project shall be performed under the direction of Addison Canino, Assistant Public Works Director; it is expressly understood and agreed that some of the work may have commenced prior to the formal execution of this Agreement, in which event such work is incorporated into the Project and is deemed to have been and is authorized by this Agreement.

Section 2.3 Ownership and Use of Documents:

(a) Any documents prepared by CONTRACTOR, and copies thereof furnished to other parties are for use solely with respect to this Project. They are not to be used by any other contractor or subcontractor on other projects or for additions to this Project outside the scope of the work without the specific written consent of FRISCO. Other contractors and subcontractors are authorized to use and reproduce applicable portions of the documents prepared by the CONTRACTOR appropriate to and for use in the execution of their work under this Agreement. All copies made under this authorization shall bear the statutory copyright notice, if any, shown on the documents prepared by CONTRACTOR.

(b) CONTRACTOR, and any subcontractor or supplier or other person or organization performing or furnishing any work for the Project under a direct or indirect contract with FRISCO (i) shall not have or acquire any title to or ownership rights in any of any documents (or copies of documents) prepared in connection with the Project by a design professional and (ii) shall not reuse any of such documents or copies for extensions of the Project or any other project without written consent of FRISCO and the design professional and specific written verification or adaption by the design professional.

(c) Notwithstanding the provisions of Sections 2.3(a) and (b) above, FRISCO reserves the right to utilize any documents generated in connection with the Project by CONTRACTOR for other projects, provided that CONTRACTOR is not held liable for future project applications other than the Project described pursuant to this Agreement. FRISCO shall not convey any such documents generated by CONTRACTOR to a third party or use any such documents in a manner adverse to the CONTRACTOR.

Section 2.4 Insurance:

(a) CONTRACTOR agrees to procure and maintain, at its own cost, the following policy or policies of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by CONTRACTOR under this Agreement or arising as a result of this Agreement. Such insurance shall be in addition to any other insurance requirements imposed by this Agreement or by law.

(b) Commercial General Liability insurance with minimum combined single limits of ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE

MILLION DOLLARS (\$1,000,000) aggregate. The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, independent contractors, products, and completed operations. The policy shall name FRISCO, its employees and agents as additional insureds and shall include the following provisions: (i) severability of interest; (ii) waiver of subrogation; and (iii) cross liability endorsement.

(c) Workers' Compensation insurance to cover obligations imposed by applicable laws for any employee engaged in the performance of work under this Agreement, and Employers' Liability insurance with minimum limits of SIX HUNDRED THOUSAND DOLLARS (\$600,000) each accident, SIX HUNDRED THOUSAND DOLLARS (\$600,000) disease - policy limit, and SIX HUNDRED THOUSAND DOLLARS (\$600,000) disease - each employee. Evidence of qualified self-insured status may be substituted for the Workers' Compensation requirements of this Section 2.4(c).

(d) Comprehensive Automobile Liability insurance with minimum combined single limits for bodily injury and property damage of not less than ONE MILLION DOLLARS (\$1,000,000) each occurrence and ONE MILLION DOLLARS (\$1,000,000) aggregate with respect to each of CONTRACTOR's owned, hired and non-owned vehicles assigned to or used in performance of the services. The policy shall contain a severability of interests provision. If CONTRACTOR has no owned automobiles, the requirements of this Section 2.4(d) shall be met by each employee of CONTRACTOR providing services to FRISCO under this Agreement.

(e) The insurance policies required by Sections 2.4(a), (b) and (d) shall name FRISCO, its employees and agents as additional insureds. No additional insured endorsement to a policy shall contain any exclusion for bodily injury or property damage arising from completed operations.

(f) Every policy required under this Section 2.4 shall be primary insurance, and any insurance carried by FRISCO, its officers, or its employees, or carried by or provided through any insurance pool of FRISCO, shall be excess and not contributory insurance to that provided by CONTRACTOR. CONTRACTOR shall be solely responsible for any deductible losses under any policy required above. Any insurance policy required under this Agreement shall be written by a responsible company.

(g) Prior to commencement of this Agreement, CONTRACTOR shall provide FRISCO with a certificate of insurance completed by CONTRACTOR's insurer as evidence that policies providing the required coverage, conditions and minimum limits are in full force and effect. The certificate shall identify this Agreement and shall provide that the coverage afforded under the policies shall not be canceled, terminated or materially changed until at least thirty (30) days' prior written notice has been given to FRISCO. The completed certificate of insurance shall be sent to:

Town of Frisco
P.O. Box 4100
Frisco, Colorado 80443
Attn: Addison Canino, Assistant Public Works Director

(h) CONTRACTOR shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to this Agreement by reason of CONTRACTOR's failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance in sufficient amount, duration or type. Failure on the part of CONTRACTOR to procure or maintain policies providing the required coverage, conditions and minimum limits shall constitute a material breach of contract upon which FRISCO may immediately terminate this Agreement, or at its discretion FRISCO may procure or renew any such policy or any extended reporting period thereto and may pay any and all premiums in connection therewith, and all monies so paid by FRISCO shall be repaid by CONTRACTOR to FRISCO upon demand, or FRISCO may withhold the cost of the premiums from any monies due to CONTRACTOR from FRISCO.

(i) The parties hereto understand and agree that FRISCO is relying on, and does not waive or intend to waive by any provision of this Agreement, the monetary limitations (presently \$350,000 per person and \$990,000 per occurrence) or any other rights, immunities, and protections provided by the Colorado Governmental Immunity Act, §§ 24-10-101 *et seq.*, C.R.S., as from time to time amended, or otherwise available to FRISCO, its officers, or its employees.

Section 2.5 Indemnification:

(a) CONTRACTOR shall indemnify and hold harmless FRISCO and its agents and employees from and against all claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from this Agreement, provided that any such claim, damage, loss or expense (1) is attributable to copyright infringement, bodily injury, sickness, disease or death, or to injury to or destruction of tangible property including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of CONTRACTOR, any subcontractor of CONTRACTOR, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge or otherwise reduce any other right or obligation of indemnity that would otherwise exist as to any person described in this Section 2.5(a).

(b) In any and all claims against FRISCO or any of its agents or employees by any employee of CONTRACTOR, any subcontractor of CONTRACTOR, anyone directly or indirectly employed by any of them or anyone for whose act any of them may be liable, the indemnification obligation under this Section 2.5 shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CONTRACTOR or any subcontractor under worker's or workman's compensation actions, disability benefit acts or other employee benefit acts.

Section 2.6 Subcontractor: CONTRACTOR shall, as soon as practicable after the signing of this Agreement, notify FRISCO in writing for FRISCO's approval, of any subcontractors who may be involved in the Project and the general scope of work to be performed by each subcontractor.

Section 2.7 Termination of Agreement:

(a) This Agreement shall terminate: (a) at such time as the work described in the Scope of Services is completed and the requirements of this Agreement are satisfied, (b) on December 31, 2022, or (c) upon FRISCO providing CONTRACTOR with seven (7) days advance written notice, whichever occurs first. After termination, FRISCO shall pay CONTRACTOR for all work previously authorized and completed prior to the date of termination. If, however, CONTRACTOR has substantially or materially breached this Agreement, FRISCO shall have any remedy or right of set-off available at law and equity. If this Agreement is terminated for any reason other than cause prior to completion of the Scope of Services, any use of documents by FRISCO thereafter shall be at FRISCO's sole risk, unless otherwise consented to by CONTRACTOR. This Agreement may be terminated by CONTRACTOR upon thirty (30) days' written notice, provided that such termination is based upon a substantial failure by FRISCO to perform in accordance with the terms in this Agreement. In the event of such termination, FRISCO will pay CONTRACTOR for all services performed to date of termination. If payment is otherwise due upon completion, FRISCO will pay CONTRACTOR for the pro rata value of the completed portion of the Project that will be incorporated into the Project. FRISCO will require the release of all lien rights as a condition of such payment.

(b) Nothing herein shall constitute a multiple fiscal year obligation pursuant to Colorado Constitution Article X, Section 20. Notwithstanding any other provision of this Agreement, FRISCO's obligations under this Agreement are subject to annual appropriation by the Town Council of FRISCO. Any failure of a Town Council annually to appropriate adequate monies to finance FRISCO's obligations under this Agreement shall terminate this Agreement at such time as such then-existing appropriations are to be depleted. Notice shall be given promptly to CONTRACTOR of any failure to appropriate such adequate monies.

Section 2.8 Binding Effect: FRISCO and CONTRACTOR each bind itself, its successors and assigns to the other party to this Agreement with respect to all rights and obligations under this Agreement. Neither FRISCO nor CONTRACTOR shall assign or transfer its interest in this Agreement without the written consent of the other.

Section 2.9 Notice and Communications: Any notice to the parties required under this Agreement shall be in writing, delivered to the person designated below for the parties at the indicated address unless otherwise designated in writing. Only mailing by United States mail or hand-delivery shall be utilized. Facsimile and/or e-mail addresses are provided for convenience only.

FRISCO:

Town of Frisco
P.O. Box 4100
Frisco, Colorado 80443
Attn: Addison Canino
Electronic mail: AddisonC@townoffrisco.com

CONTRACTOR:

JR Engineering, LLC
7200 South Alton Way, Suite C400
Centennial, Colorado 80112
Attn: Daren A. Sterling, PE
Electronic mail:
dsterling@jrengineering.com

ARTICLE III **RESPONSIBILITIES OF FRISCO**

Section 3.1 Project Materials: FRISCO shall make available data related to the Project, including design specifications, drawings and other necessary information. Data so furnished to CONTRACTOR shall be furnished at no cost, and shall be returned to FRISCO at the earliest possible time.

Section 3.2 Access to Property and Records: FRISCO shall provide CONTRACTOR with access to public property as required and necessary to complete the contract. To the extent required by law, FRISCO and CONTRACTOR agree to make this Agreement and any related records available for public disclosure pursuant to any open records law, including, without limitation, the Colorado Open Records Act, C.R.S. §§ 24-72-101, *et seq.* CONTRACTOR agrees to hold FRISCO harmless from the disclosure of any records that FRISCO reasonably believes it is legally required to disclose.

Section 3.3 FRISCO's Representative: FRISCO shall designate, in writing, a representative who shall have authority to act for FRISCO with respect to the services to be rendered under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define FRISCO's policies and decisions with respect to materials, equipment, elements and systems pertinent to CONTRACTOR's services.

Section 3.4 Verbal Agreement or Conversation: No verbal agreement or conversation with any officer, agent or employee of FRISCO, either before, during or after the execution of this Agreement, shall affect or modify any of the terms or obligations herein contained, nor shall such verbal agreement or conversation entitle CONTRACTOR to any additional payment whatsoever under the terms of this Agreement.

ARTICLE IV

COMPENSATION FOR SERVICES

Section 4.1 Compensation: CONTRACTOR shall be compensated for services as described in Attachment B hereto. Attachment B hereto is hereby incorporated by reference and made a part of this Agreement.

Section 4.2 Payment: FRISCO shall pay CONTRACTOR monies due under this Agreement within thirty (30) days after invoice date, provided such amounts are not in dispute or the subject of setoff.

ARTICLE V

PROHIBITION ON EMPLOYING OR CONTRACTING WITH WORKERS WITHOUT AUTHORIZATION

Section 5.1 The CONTRACTOR hereby certifies that at the time of executing this Agreement it does not knowingly employ or contract with a worker without authorization who will perform work under this Agreement and that it will participate in either the E-Verify Program or Department Program as those terms are defined in C.R.S. §§ 8-17.5-101(3.7) and (3.3), respectively, (the “Programs”) in order to confirm the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement.

Section 5.2 The CONTRACTOR shall not knowingly employ or contract with a worker without authorization to perform the work under this Agreement or enter into a contract with a subcontractor that fails to certify to the Contractor that the subcontractor shall not knowingly employ or contract with a worker without authorization to perform work under this Agreement.

Section 5.3 The CONTRACTOR has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under the Agreement through participation in either the E-Verify Program or the Department Program.

Section 5.4 The CONTRACTOR is prohibited from using the Programs procedures to undertake pre-employment screening of job applicants while this Agreement is being performed.

Section 5.5 If the CONTRACTOR obtains actual knowledge that a subcontractor performing the work under this Agreement knowingly employs or contracts with a worker without authorization, the CONTRACTOR shall: (a) notify the subcontractor and the FRISCO within three (3) days that the CONTRACTOR has actual knowledge that the subcontractor is knowingly employing or contracting with a worker without authorization; and (b) terminate the subcontract with the subcontractor if within three (3) days of receiving the notice, required pursuant to C.R.S. § 8-17.5-102(2)(III)(A), the subcontractor does not stop employing or contracting with the worker without

authorization; except that the CONTRACTOR shall not terminate the contract with the subcontractor if during such three (3) days the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with a worker without authorization.

Section 5.6 The CONTRACTOR shall comply with any reasonable request by the Colorado Department of Labor and Employment (the "Department") made in the course of an investigation that the Department is undertaking pursuant to the authority established in C.R.S. § 8-17.5-102(5).

Section 5.7 Any violation of the provisions of this paragraph shall be deemed to be a material breach of this Agreement and FRISCO may immediately terminate this Agreement for cause based on such violation. If this Agreement is so terminated, the CONTRACTOR shall be liable for actual and consequential damages to FRISCO pursuant to C.R.S. § 8-17.5-102(3) and FRISCO shall notify the office of the Secretary of State of such violation/termination.

ARTICLE VI

MISCELLANEOUS

Section 6.1 Colorado Law: This Agreement is to be governed by the laws of the State of Colorado.

Section 6.2 Amendments; Change Orders: This Agreement may only be amended, supplemented or modified in a written document signed by both parties.

Section 6.3 Counterparts: This Agreement may be executed in two or more counterparts, using manual or facsimile signature, each of which shall be deemed an original and all of which together shall constitute one and the same document.

Section 6.4 No Third Party Benefit: This Agreement is between FRISCO and CONTRACTOR and no other person or organization shall be entitled to enforce any of its provisions or have any right under this Agreement.

IN WITNESS WHEREOF, the parties hereto have signed and executed this Agreement the day first written above.

FRISCO

By: _____

Name: _____

Title: _____

Attest:

Deborah Wohlmuth, Town Clerk

CONTRACTOR

By:  _____

Name: Aaron L. Clutter, PE

Title: President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/24/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER IMA, Inc. - Colorado Division 1705 17th Street, Suite 100 Denver CO 80202		CONTACT NAME: IMA Denver Team PHONE (A/C, No, Ext): 303-534-4567 FAX (A/C, No): E-MAIL ADDRESS: DenAccountTechs@imacorp.com	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A: Valley Forge Insurance Company	
		INSURER B: Continental Casualty Company	
		INSURER C: Transportation Insurance Company	
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 1260949929

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Cont Liab Incl GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			6081670316	10/1/2021	10/1/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		N	BUA6081670333	10/1/2021	10/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUE6081670350	10/1/2021	10/1/2022	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	6081670347	10/1/2021	10/1/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional/Pollution			AEH591943320	10/1/2021	10/1/2022	Each Claim \$2,000,000 Aggregate \$2,000,000 Deductible \$50,000

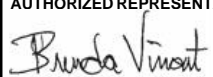
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Property Coverage: Policy #6081670316
Effective: 10/01/21-10/01/22 Insurer A: See Above
\$1,845,000 Blanket Personal Property Includes EDP Limit; \$1,000 Deductible; SPC Form/RC

Frisco, its employees and agents are included as Additional Insured on the General Liability and Automobile Liability policies, if required by written contract or agreement subject to the policy terms and conditions. This Insurance is Primary & Non-Contributory on the General and Automobile Liability policies subject to the policy terms and conditions. A Waiver of Subrogation is provided in favor of Additional Insured on the General, Automobile Liability and Workers Compensation Policies if required by written contract or agreement subject to the policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

Town of Frisco PO Box 4100 ATTN: Addison Canino Assistant Public Works Director Frisco CO 80443	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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ATTACHMENT A
SCOPE OF WORK



REQUEST FOR PROPOSALS (RFP)
ON CALL/CONSULTING ENGINEERING SERVICES

Invitation:

The Town of Frisco, Colorado, is seeking proposals, in this RFP, for ON CALL/CONSULTING ENGINEERING SERVICES. All proposals to this RFP will be due no later than 2PM, Monday, November 15, 2021.

Background:

Years ago, the Town of Frisco, had an engineer on staff, but with limited engineering work on behalf of the Town, the position was cut. Throughout the years, the Town has contracted with select individuals and agencies to review new developments for the Community Development Department, analyze existing infrastructure for Public Works, and assist in the development of new Capital Projects.

Scope of Work and Responsibilities:

As the Town's On Call and Consulting Engineer, the individual/firm will be expected to play a proactive role in the development and maintenance of the Town's existing infrastructure, as well as plan for and assist Town staff in the development, design and construction of new infrastructure. The firm or individual will be expected to provide a wide range of engineering services and to coordinate with other disciplines. The range of services will vary, but is generally expected to include streets, drainage, water infrastructure, plan reviews, and other design related tasks needed on behalf of the Town of Frisco.

Other scope of services to include but not limited to:

Scope Category 1-A – General Town Engineering Services:

1. In the capacity of Town Engineer, attend meetings of the Town Council and Planning Commission; meet with Town staff, public officials, community leaders, developers, contractors, and the general public, as requested.
2. Provide periodic reports, as requested, on the activities and status of work completed on engineering and development projects and issues.
3. When directed, analyze the Town's needs and prepare, recommend and administer long and short-range programs that relate to engineering issues consistent with the goals of the Town. This would include preparation of an annual capital improvements budget.

4. Provide general engineering advice and consultation in connection with problems including but not limited to traffic flow, roadway programs, drainage issues, water service, sanitary sewer service, stormwater drainage and maintenance issues. It is expected that this can be provided without extensive study and analysis.
5. Provide recommendations on amending or creating new regulations and ordinances pertaining to engineering matters.
6. Provide technical advice to Town's staff as requested by the Town Manager.
7. Advise Town as to engineering and construction financing available from other governmental agencies and when so directed, prepare and initiate applications for such funding.
8. Establish working relationships and coordination with the Town Council, Town staff, other Town consultants, stakeholders, all other public agencies and private utilities involving engineering matters affecting the Town, as are necessary and assigned by the Town, including securing necessary permits.

Scope Category 1-B – Development Review and Construction Observation:

1. Review proposed developments within the Town as well as proposed annexation or extraterritorial service requests, and make recommendations on engineering matters.
2. Review all engineering drawings and plats for improvements and facilities under the jurisdiction of the Town and prepared by private developers relating to the development of public and private improvements, and make recommendations on engineering matters.
3. Establish and/or review cost estimates of improvements and financial security for improvements, as appropriate, and coordinate with the Town's administrative staff on posting of such securities and the payment of other development fees within the proper time sequence of such development review.
4. Provide field inspections and observations, including review of the results of any necessary testing coordination during construction of such improvements by private developers and at the proper time, prepare punch lists of items to be completed, recommend notices of completion and acceptance of work.
5. Provide such necessary and related functions as are the normal practice of the Town in the engineering review of private developments.
6. Provide engineering advice as it relates to planning, subdivision, zoning and other related matters.

Scope Category 1-C – Special Projects:

1. As requested by the Town Manager or their representative, prepare engineering and surveying studies, reports, analyses, plans, drawings, estimates, specifications, standards or other documents on individual projects.
2. As requested by the Town Manager or their representative, provide construction administration, surveying, staking and field observation services on special projects.
3. Special projects may include but are not limited to design, bidding administration, inspection services and construction administration of water and sewer facilities, roadways, drainage facilities, parks maintenance programs, Town buildings or any other facilities owned by or under the jurisdiction of the Town.

4. Town may from time to time have the need for other services not specifically listed above for which the Engineer has the necessary experience and capabilities. The Town Manager or their representative may authorize the Engineer to perform such selected services on an as needed basis.
5. Create a pavement condition index (PCI) to create a baseline measurement that can better assist the Public Works Department in refining its asset management plan.

Contacts:

Tony O'Rourke
Town Manager
Phone: 970.409.0283
Email: TonyO@townoffrisco.com

Addison Canino
Assistant Public Works Director
Phone: 970.668.9150
Email: AddisonC@townoffrisco.com

Don Reimer
Community Development Director
Phone: 970.668.9130
Email: DonR@townoffrisco.com

All Proposals Shall Include:

Provide the experience and qualifications of your firm, including key staff, that will provide professional on call and consulting engineering services to the Town of Frisco.

Confirm that your firm meets the following insurance requirements. Certificates of insurance will be required at the time of contract signing following selection to serve as the Town's on call and consulting engineer.

- Worker's Compensation – Meet the minimum requirements of Colorado's Labor and Employment criteria for worker's compensation insurance.
- General Liability – Maintain general business liability insurance in the amount of \$1,000,000 per occurrence; \$2,000,000 aggregate.
- Automotive Liability – Maintain automobile liability insurance in the amounts of \$1,000,000 per occurrence; \$2,000,000 aggregate.
- Professional Liability – Maintain professional errors and omissions liability insurance in the amounts of \$1,000,000 per occurrence; \$2,000,000 aggregate.

Provide Firm Details:

- Name of firm
 - Former firm names (if any)
- Year established
- Business address and telephone number
- Branch offices (if any)

- Locations near Town of Frisco (if any)
- Associates and Principals
- Total firm personnel
- Key personnel in services to be provided to Town of Frisco
- Outside Associates and Consultants
- Preferred subcontractors
 - In the event they are needed for specific projects
- Describe projects which firm has specialized
 - Include examples which typifies the product of the firm
- List of projects that firm has worked with municipalities on
 - Note familiarity of working near or around municipal infrastructure systems
- Discuss how firm will respond to Town of Frisco needs
 - Note the best form of effective communication for firm
- Document firm's ability to provide high quality services on schedule and on budget
 - What control systems are utilized to ensure the aforementioned
- Municipal, State and Federal references which can be contacted
- List of clients (past or present) that would be in a conflict of interest with the Town of Frisco, specifically related to engineering services
 - Also indicate if firm or preferred subcontractor is in pending or ongoing litigation with the Town of Frisco in any way.
- Any additional information which firm feels pertinent to provide in response to this RFP

Proposed Fees:

Provide a proposed fee schedule including proposed hourly rates for any and all staff which may work on Town related projects or reviews from your firm. If known, please provide the aforementioned for commonly used subcontractors.

Proposal Response:

Proposal response shall contain all information as requested herein, and any additional information necessary to summarize the overall benefit of the proposal to the Town. Proposing firms should submit their proposal electronically no later than 2PM, Monday, November 15, 2021. Late proposals will not be accepted under any circumstance. Since proposals will be sent electronically, all emails shall have the subject line of "ON CALL/CONSULTING ENGINEERING SERVICES."

If file sizes are too large to attach to an email, please use a Google Docs or another file sharing service which prospective individual or firms are familiar with. Ensure that access to files is given to Town staff listed below.

Submittals Directed To:

Addison Canino
 Assistant Public Works Director
 Phone: 970.668.9150
 Email: AddisonC@townoffrisco.com

General Requirements of the Selected Proposing Firm:

- Enter into a contract with the Town. (These documents and proposal submittals become part of the contract).
- Maintain insurance coverage for the duration of the contract period.
- Prohibited from assigning or subcontracting the whole or any part of the contract without the prior written consent of the Town.
- Shall not hire, discharge, promote, demote or otherwise discriminate in matters of compensation, terms, conditions or privileges of employment against any person otherwise qualified solely because of race, creed, sex, national origin, ancestry, physical or mental disability, color or age.
- All work done by the selected firm will be in compliance with all Town of Frisco, Colorado State, Fire and American Society of Mechanical Engineering codes.
- Operate as an independent contractor and will not be considered employee(s) of the Town of Frisco.
- Successful contractor will be paid on actual invoices as work is completed.
- Performance and Payment Bonds will be required.
- Obtain a Town of Frisco Business License prior to commencement of work
- Obtain final approval signoff from Summit Fire & EMS prior to commencing construction

Selection Criteria:

The Town intends to retain the engineering services of the individual (or firm) evaluated to be the most qualified to perform the requested work for the Town of Frisco. The evaluation process will include such factors as qualifications, cost, and experience. The Town shall review all proposals and the top candidates may be selected for interviews. Town staff will determine the individual (or firm) selected for interview, and said interviews will be scheduled promptly.

Town of Frisco staff will weigh the following:

- Approach to proposed scope of work.
- Experience with municipalities, counties or state agencies.
 - List experience with Town of Frisco, if any.
- Experience in delivering work on time and within budget.
- Key personnel involvement.
- Recommendations from previous clients.
- Cost of proposed services.
- Other qualifications deemed appropriate.

Schedule of RFP:

- RFP Advertisement – October 13, 2021
- Questions to RFP – November 5, 2021
- Answers to RFP – November 10, 2021
- Interviews – Week of November 15, 2021
- Individual (or firm) Selected – EOB November 19, 2021

Further Information:

Any questions in relations to this RFP shall be directed, in writing, to Addison Canino at AddisonC@townoffrisco.com, no later than November 10, 2021.

ATTACHMENT B
COMPENSATION

On-Call/Consulting Engineering Services Request for Proposal



Civil Engineering & Planning
Construction Services
Landscape Architecture
Surveying
Transportation
Water Resources

November 15, 2021



J·R ENGINEERING

Service | Expertise | Quality

November 15, 2021



Addison Canino
Assistant Public Works Director
Town of Frisco
0102 School Rd
Frisco, CO 80443

RE: Request for Qualifications
On-Call/Consulting Engineering Services

Dear Mr. Canino and Selection Committee:

JR Engineering (JR) is excited to have this opportunity to work closely with the *Town of Frisco Staff*, by providing exceptional professional engineering services to the *Town*. Our team is astutely aware of the *Town's Vision "Continuing to Build a Great Community"* and we are prepared to help make the vision a reality. JR is fully equipped to provide many of the *Engineering Consulting Services*, required to fulfill your vision.

Our team has been hand-selected for their experience and dedication to accomplish these initiatives on previous projects of this size and complexity. JR Engineering intends to meet and exceed your goals.

Benefits of using our JR Engineering team include:

- ✓ Brings full-service, experienced and qualified team who focuses on the needs of our municipal government clients; led by a group of principals and managers with experience as city engineers, city traffic engineers, and public works directors
- ✓ Will have an immediate response time
- ✓ Our team has the capacity and flexibility to accomplish both large and small projects quickly and efficiently

I will serve as Project Principal, and along with our Client Manager, will ensure that the *project* is fully supported by our experienced staff, continually monitoring budgets, schedules, and project goals.

JR Engineering is committed to delivering all of our projects on time and within budget while surpassing the goals of the *Town of Frisco*. JR Engineering would like to be a part of the *Town of Frisco Team* to help build a great community. We look forward to your favorable consideration of our proposal and eagerly anticipate the opportunity to work with the *Town of Frisco*. JR Engineering confirms that we do meet the insurance requirements. If additional information or clarification is needed to support our submittal, please feel free to contact Mr. Sterling.

Respectfully submitted,
JR ENGINEERING, LLC


Aaron L. Clutter, PE
President
Ph: (303) 267-6220
Email: aclutter@jrengineering.com


Daren A. Sterling, PE
Client Manager
Ph: (303) 267-6193
Email: dsterling@jrengineering.com

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Appendix Résumés

JR Organization Background

About our Company and History

JR Engineering, LLC, founded in 1973, is a privately held, Colorado-based civil engineering and surveying consulting firm. JR Engineering's Executive Leadership team consists of Aaron Clutter, PE, who serves as President and Vice-President Kurtis Williams, PE, LEED® AP. Today, JR Engineering offers a variety of public and private clients a full range of comprehensive, multidisciplinary design services. We have the resources to manage your project from concept and planning to final design, through complete construction – *on schedule, within budget, and without compromise*. Areas of design expertise include planning and civil engineering, design-build, transportation and water resources engineering, construction management services, and surveying. Our staff of experienced engineers, surveyors, planners, and support personnel enables us to respond quickly to demanding assignments, project schedules, and changing project scopes. Our managers leverage their extensive knowledge and experience with regional municipalities, agencies, and jurisdictions to lead, expedite and respond to the unique needs of our clients and their respective projects. Please visit us at www.jrengineering.com.

Previous names that JR Engineering has been known by include JR Developers, LTD, JR Engineering, LTD, JR Consulting Engineers, LTD, and JR Consulting Engineers, LLC.

About our Staff

JR's engineers are highly skilled in providing municipal engineering and construction management services throughout the Colorado Front Range. Our experienced management team includes past State, City, and County Engineers, City Traffic Engineers, and Public Works Directors, with decades of practical experience working for public agencies throughout the Rocky Mountain Region.

JR's staff includes 20 Designers with their EIT certification, 18 Land Development Professional Engineers, 3 licensed Professional Land Surveyors (PLS), and 15 field and office Surveyors, 5 licensed transportation Professional Engineers, 5 Water Resources Engineers, 5 Construction Management Engineers, and 12 Project/Client Managers. Also included on our staff are numerous Professional Support personnel, 1 certified Professional Traffic Operations Engineer (PTOE), 2 Certified Floodplain Managers (CFM), and 2 LEED® Accredited Professionals (LEED AP).

How JR Can Best Serve the Town

Our primary focus in the public sector is at the local level, working with cities, counties, and districts on projects very similar in scope to those anticipated for this project. JR is committed to providing the *Town of Frisco* with our client-focused approach, with immediate availability, expert resources, and a team of sub-consultants to handle all of your project needs. JR will work in coordination with *Town Staff* to ensure that all project goals, deadlines, and project budgets are achieved. As a metro Denver and front-range regional company, our proximity to the *Town Offices* will allow us to quickly respond to your project needs.

JR Work Location

Firm's Location

JR's main office is located in Centennial, Colorado at I-25 and Dry Creek and has three additional offices in Colorado, Fort Collins, Colorado Springs, and Genesee. JR's Public Works Senior Client Manager, Mr. Daren Sterling, is located in the Genesee office. This office is the closest office to the *Town of Frisco*. His team members, located in all offices, are concurrently working on projects throughout Colorado utilizing state-of-the-art work-sharing methods.

Firm's Knowledge of Project Area

JR Engineering is familiar with *Frisco's* standards and specifications through our previous work within Summit County and the surrounding area. Within the last 10 years, JR has been responsible for the design and construction of over \$450 million in public infrastructure, including more than 40 miles of municipal roadways, 100 intersections and traffic signals, and 30 miles of storm sewer. Having served this region since our inception almost 5 decades ago, JR has an unmatched knowledge of local practices, CDOT Regional staff, local utility companies, regional governments, and all the surrounding Cities and Counties.

JR Statement of Qualifications

TRANSPORTATION

JR Engineering's *Transportation Group* primarily focuses on municipal, county, and metropolitan district transportation projects. We offer a full range of transportation services to assist our clients in new and reconstructed roadway projects, intersection projects, traffic signal design, safety improvement projects, pedestrian and bicycle facilities, trail design, and transportation planning.

Transportation Services



Our team of experienced design engineers is led by a management team comprised of past city, county, city traffic engineers, and public works directors, with decades of practical experience working for public agencies throughout the Rocky Mountain Region.

First, we develop an understanding of our client's true needs, goals, and critical success factors. We then combine our design skills with our project experience that includes transportation planning, alternative analysis, safety studies, public involvement, utility coordination, contract document preparation, bidding services, and construction management;

to provide a full complement of engineering services and lead your project from conception to completion – *on schedule, within budget, and without compromise.*

JR has the capability to provide the following transportation and traffic services:

- | Civil Engineering Design | Traffic Engineering | Transportation Planning |
|-----------------------------|----------------------------------|-------------------------------|
| • Roadway and Intersections | • Access Management | • Preliminary Design Studies |
| • Roundabouts | • Traffic Impact Studies | • Alternative Analyses |
| • Interchanges | • Intersection Capacity Analyses | • Safe Routes to School |
| • Bicycle and Pedestrian | • Traffic Signal Design | • Transportation Master Plans |
| • Bus Pullouts and Pads | • Safety Studies | |
| • Streetscapes | | |

Traffic Engineering

JR offers a full range of Traffic Engineering services, which include Access Management, Traffic Impact Studies, Signal Warrant Studies, Intersection Capacity Analyses, Traffic Signal Design, Signage and Pavement Marking Design, and Safety Studies. JR has completed numerous assignments for public and private sector clients. Our engineers have handled projects ranging from single-site traffic impact studies to signage and striping plans for arterial road corridors. Our team's goal for every project is to keep traffic flowing efficiently and safely.

Traffic Signal Design

JR has completed more than 50 traffic signal projects throughout Colorado, including Adams and Douglas Counties; City and County of Denver; and the Cities of Commerce City, Thornton, Northglenn, Brighton, Westminster, Castle Rock, Colorado Springs, and Pueblo. The projects have included all facets of traffic signalization design and construction: new installations, existing signal modifications, traffic signal interconnection, underground work for future traffic signals, contract documents and specifications, cost estimating, and construction administration.

40 miles of road in 10 years...

Within the last 10 years, JR's *Transportation Group* has designed over 40 miles of municipal and county roadways with associated storm drainage systems, and over 100 intersections. These projects have ranged from small \$50,000 intersection improvement projects to large arterial roadways, such as our recent \$80 million 104th Avenue Corridor Improvement project for the City of Commerce City, CO.



Municipal Roadway Experience

JR's Transportation Group has a strong focus on county and municipal roadway and intersection projects, and we have the experience and knowledge required to lead these types of projects. Recent clients include the City of Colorado Springs, PPRTA, City of Commerce City, City of Thornton, City of Greenwood Village, City of Northglenn, and the City of Westminster. Many of these roadway projects have involved CDOT funding and required us to follow CDOT Local Agency procedures, including CDOT Right-of-Way plan format, CDOT utility and environmental clearance requirements, and CDOT structural bridge design.

Trail Experience

JR's Transportation Group has a strong philosophy of creative as well as practical implementation-based planning and design for recreational paths, trails, and open space corridors. This calls for a combination of sensitivity to the site, environment, and the community as well as innovation and practicality. JR has extensive experience in the planning and implementation of recreational trails with the technical design knowledge of how the trail is to be designed and constructed. We always embrace a partnership approach to planning where all voices of all stakeholders and members of the community are heard and all ideas considered. This has been followed by guiding principles, planning, and conceptual designs that meet local agency, CDOT, and AASHTO requirements, mapping and alignments, accessibility and degree of difficulty solutions, fit and finish detailing, and cost estimating. JR has created a range of options to be developed for trail cross-sections to identify construction techniques, materials, right-of-way acquisition, permitting, and other means necessary to develop design standards. JR and our teaming partner, Dales F. Jones Structural Engineers, Inc., also have extensive experience with the design of pedestrian underpasses and pedestrian bridges.



Parks and Open Space



JR's Transportation Group's sustainable approach to park and open space design embraces a blend of water quality measures, conservation, and cost-effectiveness. JR designs parks up and down the Front Range. The parks ranged from large-scale community parks, neighborhood parks, to small pocket play areas. JR prides itself on cutting-edge designs that incorporate the ability to promote functionality and ease of maintenance. Paying attention to the little details is what makes going from design to construction seamless. Ultimately, a sign of a great park design will draw the

community, be aesthetic, and provide a long-lasting community focal point that will provide many years of enjoyment and recreation.

WATER RESOURCES

JR's Water Resource engineers specialize in developing innovative, practical, and cost-effective solutions to a wide variety of stormwater and utility-related projects. Our water resource engineers also work side-by-side with our roadway engineers. In combination with our roadway projects, our drainage engineers have designed over 30 miles of storm sewer systems, potable, and non-potable water, and 22 miles of sanitary sewer in the last 10 years. These storm systems range from 18 to 84 inches to major box culvert outfall systems. Waterline has ranged from 6-inch to 36-inch transmission lines, and sanitary sewer designs include 6-inch to 20-inch major outfall systems.



E-470 Major Drainage Channel
Commerce City, Colorado

Our managers make certain that our client's issues are understood and each issue is addressed while meeting schedule and budgetary goals.

To support these goals JR's Water Resources Group has professional engineers who specialize in developing innovative, practical, and cost-effective solutions to a wide variety of water, wastewater, and stormwater-related projects. They have the experience and understanding necessary to lead the project to successful completion; from preliminary concepts and analysis, detailed engineering plans, compressive bid documents, agency coordination, and final construction.

JR has the capability to provide the following hydraulic and hydrologic design services:

- Bridge and Culvert Design
- Storm Sewer Systems
- Floodplain Delineation
- FEMA Map Revisions
- Master Drainage Plans
- Sediment Transport Studies
- Drop and Grade Control Structures
- Open Channel Design
- Scour Analysis, Floodplain Mitigation, and Remediation
- Stream Stabilization, Hydrologic Studies, and Reservoir Hydraulics
- Stormwater Management
- Potable and Non-Potable Waterline Design
- Sanitary Sewer Design
- Water and Wastewater System Modeling
- Pump Stations
- Water Storage Tanks
- Raw Water Production and Wells

CONSTRUCTION MANAGEMENT

JR's Construction Management Group makes JR a fully integrated firm capable of handling all of your project needs. Our in-house team of construction personnel, engineers, and surveyors utilize more than just the standard approach including design/build, district engineering, and program management.

Construction Administration

JR's construction professionals are extremely adept at assisting our clients in managing their construction contracts. Our support starts before construction with the preparation of bid and construction contract documents and assisting in the evaluation and selection of a competent contractor. During construction, we ensure the contractor's bonds and insurance certificates meet project requirements, review proposed construction schedules and pay requests, shop drawings, and RFIs, respond to requests for information, document and administer change orders, document control, conduct the pre-construction meeting, and reside over periodic progress meetings.

Construction Observation/Inspection

JR Engineering's experienced construction professionals provide the client with a skilled set of eyes to monitor the progress and quality of the construction work. We will review and interpret project contract documents, attend progress meetings, check construction schedules and budgets, monitor general conformance to construction plans and specifications, maintain a summary of work completed, and conduct a review for final acceptance. Clients frequently desire full-time onsite inspection of construction activities. Our skilled inspectors review the contractor's traffic control plans, inspect materials delivered to the worksite, perform testing, check conformance to construction plans and specifications, coordinate progress meetings, and maintain detailed project records.



Washington Street
Intersection Improvements
Northglenn, CO



Construction Management Services

JR has the capability to provide the following construction management services:

- Procurement Contract, Specification & General Conditions Development
- Construction Administration
- Construction Surveying
- Document Control
- Budgeting & Budget Management
- Value Engineering
- Construction Management
- Construction Observation/Inspection
- Project Close-Out
- Scheduling & Schedule Management
- Change Order Management
- Public Information/Relations

LAND SURVEYING

JR's *Land Surveying Group* has been a cornerstone of our business since its inception in 1973. We take great pride in the reputation we have earned for delivering the highest level of quality and efficiency while maintaining the flexibility required to provide custom service. JR's surveyors are adept at working as value-added members of multi-discipline teams.

Areas of Expertise

JR's *survey division* has experience in a variety of project types and sizes, from site topography to major route surveys, to construction staking.

Areas of expertise include:

- Energy and Transmission Lines
- Waterline and Sanitary Sewer Infrastructure
- Roadway Corridors and Intersection
- Topo Channel and Stream Restoration
- Right-of-Way and Property Research



Professional Surveying Services

JR is available to assist your team with the following services:

- Boundary Surveys
- Topographic Mapping
- Construction Staking
- Route Surveying
- ALTA Surveys
- Control Networks
- Legal Descriptions
- Land Survey Plats
- As-built Surveys

JR Technology & Resources

JR *Engineering* has developed a design philosophy and a management approach to projects that allow for a great deal of flexibility in the allocation of resources. JR typically allocates resources for a particular project at various times during a project. These times typically occur after each phase as the project parameters are refined and the issues become identified. Initially, the resources are allocated during the proposal stage when the project team evaluates the resource requirements and makes a determination as to whether or not the project requirements can be met. The following items are considered in the allocation of resources for a particular project:

- Design Schedule
- Critical Path Issues
- Project Milestone Deadlines
- Construction Funding Availability
- Weather-Related Issues
- Public Impact Considerations
- Construction Phasing Considerations
- Traffic Control Issues
- Environmental Considerations

Adjustments are made to the resource allocation after the Project Kickoff Meeting when the various parameters of the project have been fully discussed and a project schedule has been refined. Project progress is then monitored by the Project Manager on a weekly basis with the use of several management tools. Weekly



meetings are held with the project team to discuss project progress, issues, and additional resource requirements. The schedule and manpower estimate is updated weekly to reflect any changes or modifications.

JR Engineering maintains a complete array of CADD, computer, and production equipment to ensure our clients are provided with high-quality deliverables. Our advanced computer network facilitates the integration of survey information into our designs, and the ability to assemble design teams from our multiple offices and with our subcontractors. All JR design drawings and specifications are prepared directly by our project engineers using the latest in computer hardware and software. Each design engineer is provided a workstation running AutoCAD for the preparation of design drawings. Modeling software is available for use from centralized servers. Currently, our extensive software for modeling and production includes the following:

- Microsoft Office
- AutoCAD Civil 3D 2020
- Hydraflow
- HEC-RAS
- Flowmaster
- Synchro 11
- SimTraffic 11
- AutoTurn 10.0
- Rodel
- Trip Generation 11
- Warrants 11
- NCHRP 255 Turn Balancing
- TransCAD 8
- Etc.

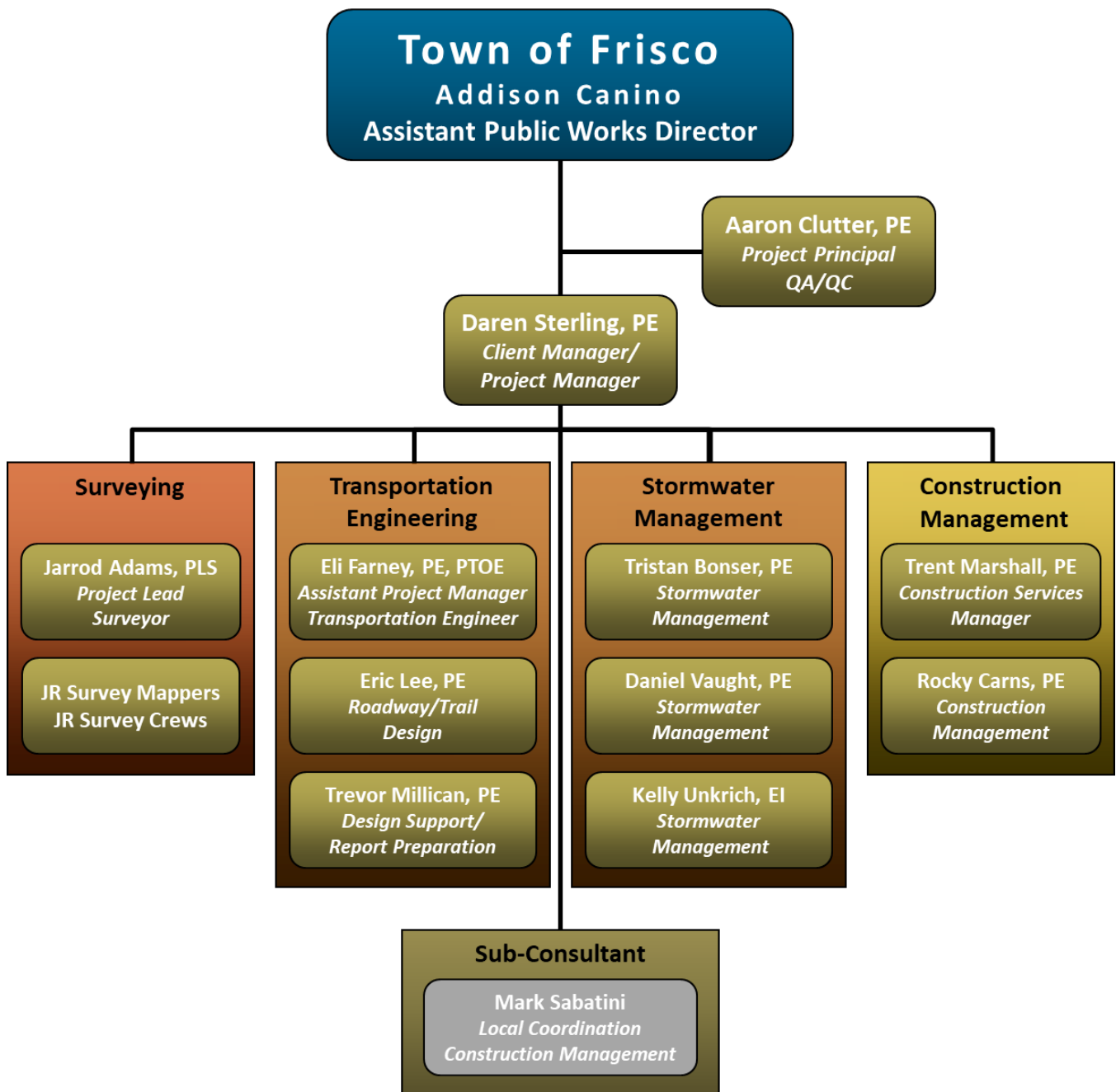
All project files are maintained on central servers and, therefore, are available to the entire project team and all offices. We can rapidly transfer data directly from our field survey crews to the design engineers or from the engineers to the field crews through our extensive inventory of state-of-the-art survey equipment. This sharing of electronic data enables our designs to be completed rapidly and minimizes design and construction errors caused by inaccurate or incomplete data.

JR's effective Information Technology (IT) staff and strategies enable us to efficiently design and construct projects. Our key IT strategies and service activities include:

- Company-wide IT standards and configuration management
- Effective computer security procedures
- Centralized servers for all project files
- Effective user support
- Comprehensive user training
- Continuous improvement of communication networks
- Strategic use of the Internet
- Inventory replacement ensures technological competitiveness



JR Project Team



Résumés for the Project Team are included in the Appendix.

JR Key Personnel

Daren Sterling, PE | Client Manager
Colorado Registered PE #27463
BS Civil Engineering, University of Colorado 1982
Years of Experience: 39



Mr. Sterling has over 39 years of engineering experience as a City Engineer, Project Manager, and Project Engineer for a wide variety of civil engineering projects and public works programs. These include transportation, roadways, railroads, drainage and stormwater, and water and

wastewater systems. Mr. Sterling's previous experience includes serving as City Engineer and Director of Public Works for the City of Commerce City, Colorado. Mr. Sterling was selected for his experience in the public sector where he was responsible for large project planning and council communication.

Elijah Farney, PE, PTOE | Project Manager
Colorado Registered PE #41677
Bachelors of Science / Civil Engineering
Colorado State University Pueblo 2001
Years of Experience: 20



With over 20 years of experience, Mr. Farney serves as Project Manager or Project Engineer on a variety of transportation engineering projects for public and private sector clients. His experience encompasses preparation and review of traffic impact

studies, access control plans, access and circulation studies, intersection capacity analysis, and traffic signal warrant studies. He is also experienced in traffic signal design, bicycle and pedestrian design, roundabout design, signing, and striping plans, highway/railroad grade crossings, traffic control plans, intersection, and roadway design, and development of plans, specifications, and estimates. He is proficient in AutoCAD, Civil 3D, Synchro, SimTraffic, and Rodel programs. Mr. Farney brings to our team experience combining transportation planning, traffic engineering, and design into a cohesive package for specific projects.

Eric Lee, PE | Transportation Engineer
Colorado Registered PE #47686
BS Civil Engineering, ND State University 2007
Years of Experience: 13



With 13 years of diverse experience, Mr. Lee serves as the Transportation Group Manager and as a project manager on a variety of transportation engineering projects for public and private sector clients. His experience encompasses design, project management, and

construction oversight for transportation projects ranging in value from low to extremely high, including cities, counties, State, Federal, and private projects. He is also experienced in land development, drainage, phasing, traffic control plans, intersection and roadway design, and development of plans, specifications, and estimates. He is proficient in AutoCAD, Civil 3D, Microstation, and the plethora of CDOT software and programs. Mr. Lee brings to our team experience in transportation projects of all sizes, both public and private, and at all levels of government.

Trevor Millican, PE | Transportation Engineer
Colorado Registered PE #56318
BS Civil Engineering, California Polytechnic
University Pomona, 2009
Years of Experience: 12



With over 12 years of experience, Mr. Millican serves as a Project Engineer on a variety of transportation, traffic, and development engineering projects for public and private sector clients. His experience includes the preparation of traffic impact studies for projects large and

small. He also conducts intersection capacity analysis and traffic signal warrant studies. Mr. Millican is also experienced in traffic signal design, bicycle and pedestrian facility design, roundabout design, signing and striping, highway/railroad at-grade crossings, traffic control plans, intersection, and roadway design, and development of plans, specifications, and estimates. He is proficient in AutoCAD, Civil 3D, Microstation, InRoads, Synchro, and Rodel software. Trevor is heavily involved in both the study and design phases.

Tristan Bonser, PE
Water Resources Project Manager
Bachelors of Science / Civil Engineering
Colorado State University 2007
Years of Experience: 13



Mr. Bonser is JR's Water Resource Manager and has 13 years of experience in civil engineering and construction management as a design engineer, project engineer, and project manager on both public infrastructure and land development improvement projects. With an emphasis

on hydrologic analysis, design of open channels, urban drainage conveyance, and stormwater water quality/detention, his general areas of expertise include hydrology, hydraulics, groundwater engineering, and water rights. Representative current and past projects include open channel design, naturalized stream channel design, storm sewer design, drainage master plans, floodplain studies and floodplain map revisions, hydraulic structure design, lift station design, water transmission and distribution plans, water augmentation plans, site grading, and stormwater management plans; as well as contract document preparation, specification writing, construction phasing and scheduling, construction inspection, and regulatory agency compliance. He also has expert knowledge of AutoCAD Civil 3D; hydrologic, hydraulic, and groundwater resources software; and regulatory agency criteria through completed projects throughout the Colorado Front Range.

Trent T. Marshall, PE
Construction Services Division Manager
Bachelors of Science / Civil Engineering
Metropolitan State University of
Denver 1993
Years of Experience: 28



Mr. Marshall has over 28 years of civil engineering experience, including 9 years in the municipal environment. As a civil engineer for the City of Northglenn, Mr. Marshall managed the design and construction of most of the transportation and drainage CIP projects each year, including CDOT Local Agency projects. Mr.

Marshall also served as the Town Engineer for the Town of Mead. Through these appointments, Mr. Marshall worked extensively with elected officials, business owners, and residents to complete many public works projects, and is very familiar with the municipal processes and the public involvement requirements. The management of the design and construction of roadway, intersection, drainage, storm sewers, and traffic signal systems are included in Mr. Marshall's experience. Mr. Marshall also has extensive experience in surveying, cost estimating, preparation of construction plans and specifications, and construction management.

Jarrod Adams, PLS | Survey Manager | PLS
Bachelors of Science
Geomatics Engineering
Ohio State University 2006
Years of Experience: 15



Mr. Adams has over 15 years of experience in surveying. He is responsible for overall department management, boundary analysis, establishing control networks, and deed research. Mr. Adams has experience in all phases of surveying services, from client relations, project estimating, and staff

coordination through project planning, data collection, office reduction, and quality control. He currently oversees all survey projects including design surveys, ALTA/ACSM land title surveys, utility mapping, Right-of-way mapping, and construction surveys.

Mark Sabatini | Senior Project Manager
Bachelors of Arts American Legal &
Economic History
Creighton University
Masters of Urban & Regional Planning
University of Colorado
Years of Experience: 40



Mr. Sabatini has committed his professional endeavors to improve the built environment throughout Colorado and the Intermountain West. Working within the public and private sectors, Mark routinely manages large and complex projects, delivering projects on time and within budget. He is well-versed in applicable

building codes and understands how to schedule and manage subcontractors, the trades, and material suppliers. Mark is respected among his peers, and he is fully engaged in the communities where he works, donating time to the following organizations: Urban Land Institute, Housing Colorado, Colorado Open Lands, Chairman of the Ten Mile Basin Planning Commission, Summit Combined Housing Authority Advisory Board and was seated as the Chairman of the Frisco Housing Task Force.

JR Outside Associates and Consultants

JR Engineering has included one Consultant on our team for this proposal. Mr. Mark Sabatini has been included on our team to help with communications and response to the *Town of Frisco*. Mark is a resident of Frisco. Mark has worked with JR Engineering for several years and we continue to work together on our mountain projects. Mark will assist with local communications and construction inspections.

We feel that providing the *Town* with a local contact will help bridge any communications issues that may arise.

JR Preferred Sub- Consultants

JR Engineering has several sub-consultants that we prefer to work with. The following is a list of some of our preferred sub-consultants we would use for the tasks we anticipate will be needed frequently.

Geotechnical

George Benecke III, PE
CTL | Thompson, Inc.
1790 Airport Road, Unit 2
Breckenridge, Colorado 80424

Traffic Count Data

Eric Boivin
All Traffic Data
9660 W. 44th Ave.
Wheat Ridge, CO 80033

Subsurface Utility Engineering

Deborah Snyder, PE LEED AP
Goodbee & Associates, Inc.
1658 Cole Boulevard, Suite 190
Lakewood, CO 80401

Other sub-consultants that may be needed on a case-by-case basis might include:

- Landscaping
- Environmental
- Electrical and Lighting Design
- Signal Maintenance
- Structural
- Aerial Mapping
- Land Acquisition and Appraisal Services

JR has preferred sub-consultants that can be added as needed.

JR Project Experience

East 112th Avenue (Phase 1) Infrastructure and Road Improvements

Client: City of Commerce City, South Adams County Water & San District, Reunion Metro District

Contact: Brent Soderlin, PE

City Engineer, (303) 289-8175
8602 Rosemary Street
Commerce City, Colorado 80022

Design Cost: \$1,000,000

Designed: 2018-2019

Constructed: 2020

Construction Estimate: \$10,000,000

Publicly Funded: Yes, partially

Agency Approval: City, SACW&SD, SACFD, United Power, Reunion Metro District

JR Engineering prepared the final design for this approximately 1-mile section of 112th Avenue known as Phase 1 between Chambers Road and Parkside Drive in Commerce City.

The project scope included the design of the ultimate roadway section of a Multimodal Arterial, sidewalks and trails, drainage improvements and pond design, intersection modifications, wet utilities, parking lot design for the Buffalo Run Golf Course, grading, and restoration plans, all of which were prepared in-house by JR Engineering.

This project was multiple jurisdictional projects requiring coordination with Commerce City, Adams County (for unincorporated properties abutting the project), South Adams County Water and San District, and the Reunion Metropolitan District. This project serves as the first phase of an ultimately 3-phased project to reconstruct and widen 112th Avenue between Potomac Street and Tower Road.

JR prepared complete construction plans and specifications, coordinated utility relocations with multiple utility agencies (including undergrounding of United Power poles), prepared legal descriptions and agreements for all ROW purchases and easements, and facilitated the IGAs between funding partners for cost-sharing and ultimate maintenance responsibilities of the improvements.

JR's design also included about a mile of 16" PVC non-potable water lines, several hundred feet of new potable water lines and laterals, a detention pond, a new traffic signal at Chambers, a rectangular rapid flashing beacon, retaining wall design, and detailed phasing and detour plans.

Construction began in early 2020, with JR Engineering providing design assistance during construction and conducting construction staking services.

Personnel Involved:

Aaron Clutter, PE – Client Manager
Alex Iuga – Project Designer

Eric Lee, PE – Project Manager
Tristan Bonser, PE – Drainage Engineer



23rd Avenue Bicycle/Pedestrian Path at Fitzsimons Station

Client: City of Aurora

Contact: Brad Richardson, (303)-739-7316
Public Works Department
15151 E. Alameda Parkway, Suite 3200
Aurora, CO 80012

Agency Approval: Aurora, CDOT

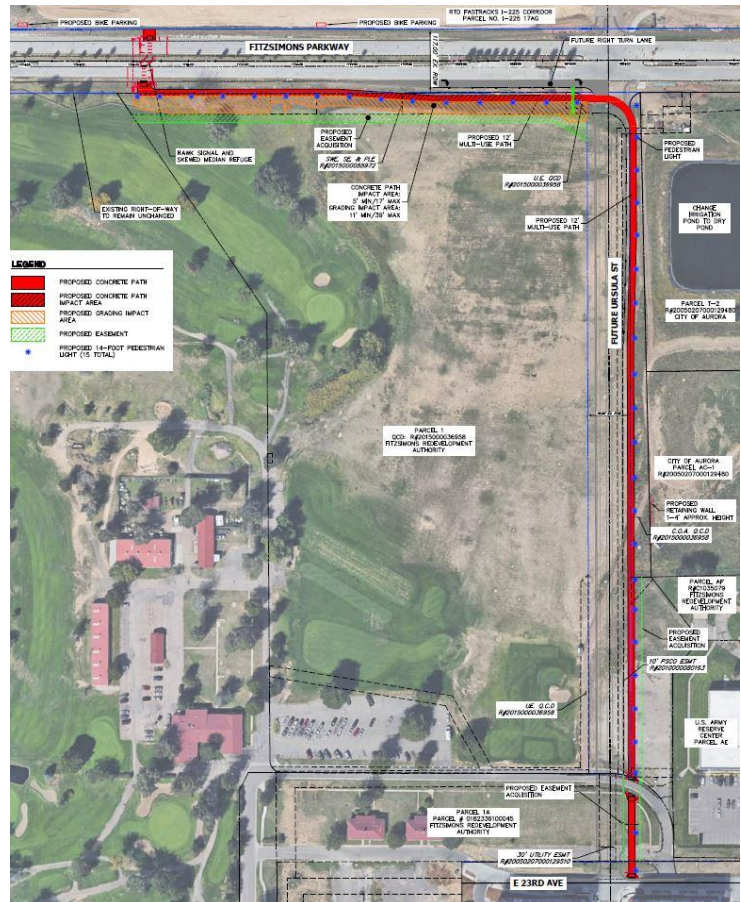
Designed: 2016
Design Cost: \$237,000
Construction: 2017
Construction Cost: \$997,340

JR Engineering worked with the City of Aurora on the 23rd Avenue Bike/Pedestrian Path at Fitzsimons DRCOG TIP project. Project elements include the design of a 12-foot wide concrete multi-use, bi-directional, physically protected bicycle/pedestrian facility along the south side of Fitzsimons Parkway extending from the Light Rail Station to Ursula Street and south to East 23rd Avenue. Other project elements include a Pedestrian Hybrid Beacon System (HAWK) and ADA compliant pedestrian crossing at the Fitzsimons station for the Aurora Line, 20 or more bicycle parking spaces within a ½ mile of the project, pedestrian-scale ADA/AASHTO compliant lighting, and way-finding signage including destination and distance information. Extensive stakeholder coordination was accomplished throughout the design phase of the project. The stakeholder list included RTD, Fitzsimons Redevelopment Authority (FRA), Fitzsimons Golf Course, and Aurora Water. Colorado Department of Transportation (CDOT) Transportation Improvement Projects (TIP) require approval by CDOT and need to meet the CDOT requirements and utility, environmental, and right-of-way clearances.

The environmental documents, construction plans, specifications, and right-of-way plans have been completed, and construction was completed in mid-2017.

Personnel involved:

Daren Sterling, PE – Project Manager
Eli Farney, PE, PTOE – Project Lead
Angela Reid, PE - Design Engineer
Alex Iuga – Design Engineer
Jarrod Adams, PLS – Survey Manager



Development Review Engineering

Client: City of Brighton

Contact: Shannon McDowell, (303) 655-2015
500 South 4th Avenue
Brighton, Colorado 80601

Years: 2020-Present

JR Engineering provided Engineering Development Review support for the City of Brighton. Reviews included conceptual plans, and construction drawings for Site Development Plans, Utility reports, and plans, Storm Drainage reports and plans, Traffic Impact Analysis, Grading Erosion and Sediment Control, and Subdivision Plats.

JR worked with the City to complete plan reviews in two time frames. Turnaround times for the first submittals were completed in three weeks, and subsequent reviews for the same plan set were completed in two weeks. Each review cycle utilized the City's electronic review process. If the plans were complete, a recommendation for approval was made. Plans were reviewed for compliance with all applicable City criteria. Suggestions to address complicated issues, as appropriate, were provided so that issues could be resolved quickly.

Development projects evolve; therefore, JR attended internal and external meetings throughout the development process. JR essentially worked as an extension of City staff and worked with Developers and their Planners and Engineers to collaborate on project-specific solutions. JR ultimately helped the City meet its commitment to the developer.

Personnel Involved:

Daren Sterling, PE – Client Manager/Project Manager

Eli Farney, PE, PTOE – Roadway

Daniel Clark, PE – Utilities and Drainage



WCR 74 and WCR 21 Intersection Improvements

Client: Town of Severance

Contact: Chris Messersmith, (970) 278-0029
3 South Timber Ridge Parkway
P.O. Box 3390
Severance, CO 80546

Designed: 2018-2019

Design Cost: \$100,000

Constructed: 2019

Construction Estimate: \$730,000

Award Price: \$1,000,000

JR Engineering designed new turn lanes, storm sewer, and traffic signals at the intersection of Weld County Road (WCR) 74 and WCR 21 in Severance.

JR prepared the final design for the intersection improvements that incorporated the Town's requested 2019 intersection configuration. JR also prepared construction drawings for the center left-turn lanes in all four directions and a dedicated right-turn lane in the eastbound and southbound directions. A through/right turn lane was required in the other two directions.

The construction drawings included the full design of the traffic signal. The traffic signal mast arms were designed to accommodate future signal heads as the intersection is improved beyond 2019. This is the first intersection in the Town of Severance to be signalized, so JR worked with the Town to prepare new specifications for all traffic signal components.

Personnel involved:

Daren Sterling, PE – Client Manager

Eli Farney, PE, PTOE – Project Manager

Joey Frank, PE – Project Lead

Eric Lee, PE – Utility Engineer



On-Call Professional Surveying Services

Client: City of Thornton

Contact: Steve Dynes, PLS, City Surveyor, (720)-977-6269
12450 Washington St.
Thornton, CO 80241-2405

Email: Steve.Dynes@cityofthornton.net

Completion Date: 1998 to Present

JR Engineering has contracted annually with the City of Thornton for On-Call Professional Surveying Services. The status of this contract is that it is ongoing and renewed every year. The following are some of the projects completed under this contract:

- Construction Staking services for the Eastlake Reservoir No. 3 Dam and Downstream Improvements
- Construction Staking for the fence line around the South Dahlia Reservoir
- Construction Staking for the Leo Lane Sanitary Sewer Replacement
- Boundary Survey for Farm 24 and survey of the irrigation ditch in Section 30 for the City of Thornton's Utilities Department
- Construction Staking of the 2000 Treated Water System for the City of Thornton's Public Works Department
- ALTA Surveys for seven separate Open Space areas in Thornton
- Exemption Surveys for 16 City-owned farms in Weld County
- Rezoning and Legal Descriptions for the Niver Creek area, Eastlake #2 and #3, and Riverdale Park
- Construction Staking for the Grange Lake Trail Extension
- Surveying Services for the 152nd water line
- Engineering Services and Topography for the I-25 and Thornton Parkway Slope Failure
- Design Topography for the Hoffman Ditch
- ALTA Survey for Grandview Ponds on Chateau Properties
- Legal Description for the North Huron Christian Center
- Construction Staking Easements along 95th at Sharma Property
- Design survey and traffic signal design for four intersections
- Structure analysis of Police Department facilities
- Annexations, Zone Maps, and Preliminary Plats for 31 separate plats in the City of Thornton



6021 South Syracuse Street Drainage Improvement Project

Client: Prime West Real Estate Services, LLC

Contact: Margie Wright, RPA

7001 E. Belleview Ave., Suite 650

Denver, CO 80237

Agency Approval: City of Greenwood Village

Publicly Funded: No

Agency Approval: 2019

Designed: 2018-2019

Design Cost: \$35,470

Construction: 2019

Construction Cost: \$93,250

JR Engineering prepared a drainage analysis and drainage improvement construction plans for the 6021 South Syracuse Street office park, which had experienced severe erosion in three landscaped islands. The storm sewer serving the office park is routed through these landscaped islands in the parking lot. Over time, the curb and gutter, parking stalls, and ornamental rock had sloughed off into the islands, resulting in a hazard for the building's occupants. Piping underneath the existing 42" storm sewer had caused the drive aisle to subside and created a situation that could catastrophically fail at any time.

JR Engineering performed a topographic survey of the site, evaluated the drainage area and runoff rates from the office park, and determined the critical locations where stormwater was actively contributing to the degradation of the parking lot facilities. A hydraulic analysis was performed on the culvert to confirm its required size before replacement and it was found that increasing the diameter of the culvert was necessary to reduce the potential for overtopping of the landscaped island. A concrete crossspan was added to promote safe and controlled overflows for higher magnitude storm events.



A phased approach was implemented to spread out construction costs. The first phase of construction (2019) addressed the most critical areas. Some parking spaces were recovered by repairing the erosion in the first phase, and other parking spaces were safely barricaded through the use of temporary bollards until the later phases can stabilize the areas adjacent to the landscaped islands.

The ornamental rock was removed from the islands as part of the project and replaced with a select mix of native grasses and woody shrubs to provide substantially improved armament above and beyond what was provided by the rocks and cobbles. JR

Engineering teamed with a specialized stream

restoration consultant, AloTerra, to design a low-maintenance vegetative stabilization plan and planting scheme to protect the islands from erosion.

Personnel Involved:

Daren Sterling, PE - Project Manager

Daniel Vaught - Engineer

Tristan Bonser, PE - Drainage Lead Engineer



Crystal Valley Construction Manager

Client: Crystal Valley Metro District No.1

Contact: Jerry Richmond, 303-267-6195
7200 South Alton Way, Suite C400
Centennial, Colorado 80112

Years: 2017-Present

JR Engineering is providing professional construction management services, including construction administration, materials testing, and construction inspection for the Crystal Valley Community. Work completed included the preparation of bid schedules, specifications, and contract documents, soliciting bids from contractors, responding to Requests for Information, reviewing and negotiating Change Orders, issuing Design & Field Change Notifications, reviewing and approving Payment Applications, Inspecting the work of the contractor, performed Punch List Walkthroughs and Warranty Inspections, and Recommended Substantial and Final Acceptance.



Crystal Valley Ranch is a Master Planned Community in Castle Rock, Colorado. The community is over 1,000 acres and has a range of density of single-family residential, a regional park, a community park, and recreation facility, a regional trail system, and future school sites.

The planned residential densities range from high-density- multi-family lots, entry-level single-family, and two tiers of mid-sized (move-up) single-family and larger estate semi-custom lots.

The JR Engineering designed improvements for the close to 2,000 single-family lots include; westbound lane roadway improvements of Crystal Valley Parkway, intersection improvements for Lake Gulch Road, Channel stabilization for two (2) large drainage ways that traverse nearly 8,000 feet of the site, regional pond modifications, over 3,000 feet of utility trunkline improvements and the expansion of the Pinnacle Park facility.

Personnel Involved:

Trent Marshall, PE - Construction Manager

Rocky Carns, PE - Construction/Erosion Control Inspector

JR On-Call Experience

JR Engineering has years of successful On-Call contract experience with public agencies across Colorado for engineering, surveying, and construction management services:

- Colorado Springs Utilities - On-Call Engineering / Architectural Design & Construction Management
- City of Colorado Springs - On-Call Engineering
- Pike Peak Rural Transit Authority (PPRTA) - On-Call Consulting Contract
- El-Paso County - On-Call engineering and surveying
- City of Fountain - On-Call Engineering
- Town of Mead - On-Call Town Engineer
- Reunion Metropolitan District - On-Call District Engineering
- Adams County - On-Call Professional Engineering Services
- Denver Water – On-Call Construction Management
- Prairie Center Metropolitan District - District Engineer
- City of Gunnison - (Water Rights Engineering)
- University of Wyoming - Structural Service Contract
- City of Thornton – On-Call Land Surveying Services
- City of Wheat Ridge - On-Call Engineering/Architectural Design Services
- Douglas County School District – On-Call Engineering
- Jefferson County Open Space - On-Call Engineering
- Town of Castle Rock - On-Call Development Review
- City of Brighton – On-Call Engineering
- City of Woodland Park - On-Call Engineering
- City of Manitou Springs – On-Call Engineering
- Town of Severance – On-Call Traffic Engineering

Swan Meadow Village Sanitary Sewer Repairs – Dillon, CO

Client: Sun Communities

Contact: Len Shember, (248) 208-2545

LShember@suncommunities.com

Sun Communities, Inc.

27777 Franklin Road, Suite 200

Southfield, MI 48034

Publicly Funded: No

Agency Approval:

Snake River Sanitation District

Summit County Engineering

Design: 2015

Design Cost: \$35,000

Construction: 2016 - 2019

Construction Cost: \$200,000

Swan Meadow Village is a small modular home community located in Dillon, Colorado. The community is privately owned and maintained. The existing infrastructure is over 30 years old and requires heavy-duty maintenance. The sanitary sewer system is connected to the Snake River Sanitary Sewer District. Maintenance of the sewer system was not being done by the various ownerships of Swan Meadow Village, and the District inspected and cleaned the sewer over the years. The District reported that the sewer leaked a lot, had sags and out-of-round pipe throughout the system. The District was focused on reducing the infiltration into their system and wanted JR to address this issue specifically.

JR Engineering obtained video inspections of the sanitary sewer system and identified poorly made connections, sags, and out-of-round pipe segments. JR developed plans and specifications to repair the sanitary sewer system. The plans were submitted to the District for review and approval. After the construction, the district required that the sewer system be cleaned and video inspected. The plans called for the sags and out-of-round pipe sections to be removed and replaced and the old, leaky saddle taps were replaced with proper wyes. Phase 1 of the project was completed in 2017, and the video inspection verified that the repairs were successful. The sags and out-of-round pipe sections are corrected, and more importantly, the leakage into the system was almost eliminated. JR coordinated with the Snake River Sanitation District and Summit County Engineering on this project.

Personnel Involved:

Daren Sterling, PE: Project Manager

Ryan Burns, PE: Design Engineer

Kelly Unkrich, EI: Design Engineer

Eli Farney, PE: Project Engineer

Trent Marshall, PE: Construction Manager

Jarrod Adams, PLS: Survey Manager



Swan Meadow Village Water Line Replacement – Dillon, CO

Client: Sun Communities

Contact: Len Shember (248) 208-2545

LShember@suncommunities.com

Sun Communities, Inc.

27777 Franklin Road, Suite 200

Southfield, MI 48034

Publicly Funded: No

Agency Approval:

East Dillon Water District

Lake Dillon Fire District

Summit County Engineering

Design: 2015

Design Cost: \$45,000

Construction: 2016 - 2019

Construction Estimate: \$1,100,000

Swan Meadow Village is a small modular home community located in Dillon, Colorado. The community is privately owned and maintained. The existing infrastructure is over 30 years old and requires heavy-duty maintenance. The water lines have been failing and have required costly repairs over the last three or four years. Water to the community is supplied through two-meter vaults, and one meter has failed and has been shut off. With only one point of supply, the entire community has to be turned off anytime repairs have to be made. The water pressure supplied to many of the homes was also very low compared to typical pressure ratings. Water to the community is supplied by the East Dillon Water District.



JR Engineering designed a new water system for the community which included two new water meter vaults with adjustable pressure regulators, new service connections with meters, shut-off valves, thermarisers to keep the connections into the homes from freezing during the winter, and three new fire hydrants. The old water system was constructed using ductile iron pipe, and the corrosive soils contributed to the deterioration of the pipe. The water District approved replacing the waterline with PVC and the copper service lines with PVC. During construction, temporary water service was provided to the homes. JR coordinated with the East Dillon Water District, Lake Dillon Fire Department, and Summit County Engineering on this project.

Personnel Involved:

Daren Sterling, PE: Project Manager

Ryan Burns, PE: Design Engineer

Kelly Unkrich, EI: Design Engineer

Eli Farney, PE: Project Engineer

Trent Marshall, PE: Construction Manager

Jarrold Adams, PLS: Survey Manager

JR Municipal Projects

The following identifies the types of projects that JR works on for Municipalities. All of these projects are municipal infrastructure and involve addressing other infrastructure located within or near the project.

Traffic Impact and Transportation Studies

JR Engineering has prepared over 60 studies across municipalities in Colorado, which include projects in Greeley, Severance, Windsor, Frederick, Fort Lupton, Denver, Aurora, Brighton, Commerce City, Castle Rock, Lone Tree, Centennial, Greenwood Village, Thornton, Westminster, Arvada, Northglenn, Erie, Arapahoe County, Douglas County, Adams County, Jefferson County, Colorado Springs, Dillon, Aspen, Durango, Grand Junction, Cañon City, and Gunnison.

Traffic Signals

JR Engineering has designed over 50 traffic signals for municipalities across Colorado such as Denver, Aurora, Thornton, Westminster, Arvada, Greenwood Village, Commerce City, Brighton, Adams County, Lone Tree, Douglas County, Colorado Springs, Aspen, Greeley, Severance, and Pueblo.

Roundabouts

JR Engineering has designed over 14 roundabouts for municipalities across Colorado such as Greeley, Northglenn, Commerce City, Brighton, Greenwood Village, Douglas County, Thornton, and Denver.

CDOT Local Agency Experience

JR Engineering has completed 12 local agency projects for municipalities across Colorado such as Aurora, Pueblo, Greeley, Colorado Springs, Commerce City, Brighton, Wiley, Berthoud, Pitkin County, Glendale, Carbondale, and Mead.

CDOT Access Permit Projects

JR Engineering has completed seven CDOT access permits in municipalities across Colorado such as Greenwood Village, Arvada, Fort Collins, Aspen, Douglas County, and Erie.

Trails

JR Engineering has designed trails for municipalities across Colorado such as Denver, Aurora, Greenwood Village, Wheat Ridge, Commerce City, Brighton, Lone Tree, Castle Rock, Douglas County, Erie, Mead, Colorado Springs, Aspen, Pitkin County, Carbondale, Trinidad, and Wiley.

Stormwater

JR Engineering has designed stormwater improvements for nearly all municipalities across the Colorado Front Range, ranging from Fort Collins to the north and Pueblo to the south. Stormwater improvements were also designed in Dillon, Summit County, Aspen, and Pitkin County.

Sanitary Sewer

JR Engineering has designed sanitary sewer improvements for nearly all municipalities across the Colorado Front Range, ranging from Fort Collins to the north and Colorado Springs to the south. Sanitary sewer improvements were also designed in Dillon, Summit County, Aspen, and Pitkin County.

Waterline

JR Engineering has designed waterline improvements for nearly all municipalities across the Colorado Front Range, ranging from Fort Collins to the north and Pueblo to the south. Waterline improvements were also designed in Dillon, Summit County, Aspen, and Pitkin County.

JR Responding to the Town of Frisco Needs

JR Engineering's philosophy is to work with our client to ensure we understand the project's needs and requirements, and to provide professional services that offer value-added solutions to the project. In keeping with this philosophy, JR provides proactive project management to ensure our engineering solutions exceed the project goals, while implementing strict requirements for cost, schedule, quality, and change control. Our objective is to achieve repeat business by employing sound engineering principles and a customer-oriented approach.

Our Organizational Structure

JR's service starts with our Client Managers who are the primary point of contact for our clients. Our Client Managers are individuals with a broad range of multi-disciplined experience, coupled with the ability to understand a client's goals and objectives. They are supported by our highly skilled Design Engineers from our *Water Resources Group, Transportation Group, Construction Services Group, and Land Surveying Group*.

For each project, JR assembles a team from our engineering groups that meet the specific needs and scope of the project. This structure provides a flexible and efficient method for delivering quality services.

Project Management Plan

Before the start of the project, our project manager will develop and distribute a Project Management Plan (PMP) to include:

- Project Goals and Objectives
- Key Contacts and Contact Information
- Project Schedule with Key Milestones
- Schedule of Deliverables
- Meetings Schedule
- Staffing Plan and Assignments
- Budget
- Quality Assurance Plan and Checklists
- Project Documentation

Design Action Log

JR's Design Team will develop a Design Action Log to track design elements as they arise which require decisions to be made, and identify where more information is required to make a decision. This log is dynamic and is shared between JR and the *Town Staff* to identify the various design issues, responsible parties, deadlines, and action items. This log is reviewed at each progress meeting as a reminder for everyone that there are issues that need to be resolved. This log helps keep everyone accountable to provide timely responses to design issues.

Progress Meetings/Communication

JR will conduct regularly scheduled meetings with the *Town*, and key team members on a schedule that meet the needs of the project. Communications throughout the project include regular progress meetings, emails, and telephone calls. JR is prepared to conduct both in-person meetings and virtual meetings (Zoom, GoTo Meeting, MS Teams, etc.). The type of meeting will be situational based on the need. We find that by having regularly scheduled progress meetings, our clients are more informed on the progress of the project, and misunderstandings and rework with regards to scope and deliverables are minimized. During each progress meeting, our assigned manager will review the progress, schedule, budget, action item list, and critical issues. A progress report will be provided highlighting the work performed since the last meeting.

Following each meeting, our clients receive an email with a summary of the meeting minutes, action items, and an understanding of key decisions discussed during the meeting.

JR will provide materials for meeting presentations to outside agencies and the community. JR will lead the discussion, record the results, and follow-up with the *Town* afterward.

Conflict Resolution

JR's Design Team will develop a Design Action Log to track design elements as they arise which require decisions to be made, and identify where more information is required to make a decision. This log is dynamic

and is shared between JR and the *County Staff* to identify the various design issues, responsible parties, deadlines, and action items. This log is reviewed at each progress meeting as a reminder for everyone that there are issues that need to be resolved.

Public Information

JR is prepared to conduct both in-person meetings and virtual meetings (Zoom, GoTo Meeting, Skype, etc.).

If there are still restrictions on public gatherings when we're seeking public input, we can easily transition to online engagement using interactive mapping tools, online surveys, virtual open houses, and remote question and answer sessions.

Our approach applies traditional and non-traditional communication strategies combined with innovative tools to create awareness, foster engagement, and gain goodwill.

Project success hinges on effective community engagement, ensuring that all community members are heard: from the vocal minorities that always participate, to the silent majorities that we never hear from. Through each step, we will implement a process that approaches and involves community members respectfully and equitably by creating materials that engage the most community members and providing opportunities for facilitated participation.

BASIC PROJECT OUTLINE

The following outline provides a starting point for developing every project to provide a broad basis for ensuring that key project elements are identified and covered in the scope of work. JR will develop a project-specific scope of work with input from the *Town* for each project.

Initial Scope	Provided by the <i>Town of Frisco</i>
Identify Critical Issues	Identified by JR
Project Initiation (kickoff meeting)	Facilitated by JR
Clarify expectations:	
Progress meetings	
Schedules	
Reporting	
Deliverables	
Critical issues	
Design Action Log	
Data Collection	
Conceptual Design	
Agency Review (meeting)	Facilitated by JR
Design Action Log	
Public Outreach (as necessary)	Facilitated by JR
Conceptual Plans	
Preliminary Design (30% Design)	
Agency Review (meeting)	Facilitated by JR
Design Action Log	
Public Outreach (as necessary)	Facilitated by JR
Preliminary Plans	
Final Design (65%)	
Agency Review (meeting)	Facilitated by JR
Design Action Log	
Final Plans	
Final Construction Drawings (90% Design)	
Agency Review (meeting)	Facilitated by JR
Design Action Log	
Approved Construction Drawings and Specifications (100% Design)	
Final Plans	
Project documents and specifications	
Bidding	
Construction Management	

JR Quality Control

JR Engineering has established project and management controls that are applied to every project that JR performs.

Quality Assurance

It is JR Engineering's policy to provide quality professional services and project deliverables to its clients, consistent with the scope of services. JR's assigned Project Manager will be responsible for the daily quality control review of project deliverables with continued oversight from our Project Principal. The Project Manager will coordinate quality control peer reviews for design calculations, reports, plan drawings, project specifications, and quantity calculations for all design disciplines.

Our established Quality Assurance procedures require independent quality assurance reviews of each plan and specification package before submittal to the client. Our reviews will check for consistency with the client's requirements, constructability, inconsistencies between plans and specifications, and inconsistencies within the plans. JR will finish design production to allow adequate time for thorough quality checks and to allow the design team to make revisions, if necessary.

Schedule Control

For each project, a detailed project schedule is developed and monitored using the Microsoft Project software and the Critical Path Method to identify project milestones, tasks and durations, resource allocation, review meetings, and time frames. For the duration of the project, the schedule will be monitored daily and updated weekly by JR's Project Manager. Each Project Lead is responsible for monitoring the schedule status of his/her assigned tasks and providing updates weekly. The Project Manager will monitor the project's overall schedule and will assign additional resources or develop other remedial approaches to address delays and schedule slippages, if necessary.

Staff schedules are controlled by mandatory weekly meetings with the design staff to review project goals and schedules, as well as determine if any problems have been encountered which need to be resolved before proceeding with the work. Should any problems or questions arise, the Client will be immediately informed in writing, by phone, or by email and a mutual solution will be quickly determined.

Cost Control

Our ability to effectively monitor and control budget expenditures is based on our vast experience with projects supplemented with the latest project control tools. The key to effective budget control is the development of a detailed plan of project costs before the initiation of project activities.

Effective tracking of project costs is accomplished through our project cost tracking system, AJERA. This is an integrated project management and accounting system that enables the tracking of individual cost items by activity and resource. Labor costs are updated daily and expenses weekly. Our Project Manager has direct access to the data in the system and monitors the status of the project's budget online. Monitoring the current status and projected Cost-to-Complete by activity enables a prompt response to budget changes or potential overruns.

Cost Estimating

JR prides itself on providing our clients with accurate and detailed cost estimates, and we realize this is a critical service that we provide our clients. For example, our recent engineer's estimate for Phase 3A 104th Avenue was within 1% of the \$3.4M bid price. We recognize that cost estimates are critical to project development and to the big picture decisions that often drive a project's direction.

JR maintains an internal cost database that is populated with local bid data and combined with regional CDOT cost data. Our engineers develop cost-estimating templates at the beginning of a project and continually update the estimate as the project's scope is revised.

JR References

Traffic Engineering On-Call
Mitch Nelson
Community Development Director
Town of Severance
3 S. Timber Ridge Parkway
P.O. Box 3390
Severance, CO 80546
(970) 686-1218
mnelson@townofseverance.org

Development Review On-Call
Shannon McDowell
Long-Range Planner
City of Brighton
500 South 4th Avenue
Brighton, CO 80601
(303) 655-2015
smcdowell@brightonco.gov

Traffic Signal and Intersection
Jeremy Hanak, PE, PTOE
Director of Public Works
Greenwood Village
10001 East Costilla Avenue
Greenwood Village, CO 80112
(303) 708-6175
jhanak@greenwoodvillage.com

Roadway Design
Pete Brezall
Project Manager
City of Thornton
12450 Washington St.
Thornton, CO 80241-2405
(720) 977-6251
pete.brezall@thorntonCO.gov

Surveying On-Call
Steve Dynes, PLS
City Surveyor
City of Thornton
12450 Washington St.
Thornton, CO 80241-2405
(720) 977-6269
Steve.Dynes@cityofthornton.net

Transportation On-Call
Christopher Montoya, PE
Public Works Engineering Manager
City of Brighton
500 South 4th Avenue
Brighton, Colorado 80601
(303) 655-2037
cmontoya@brightonco.gov

JR Conflict of Interest Clients

JR Engineering does not anticipate that we have any conflicts of interest with the Town of Frisco. JR completed a traffic study for the Town of Dillon in 2020. Other than the Dillon traffic study JR has not worked for any municipality or county in the area.

JR On-Going Litigation with Town of Frisco

JR Engineering does not have any ongoing litigation with the Town of Frisco. Our sub-consultant does not have any pending litigation with the Town.

JR Hourly Rates

Professional	Hourly Rate
Clerical	\$75
Construction Inspector Survey Tech	\$100
Engineer Surveyor Construction Engineer	\$120
Project Engineer Project Surveyor Project Construction Engineer	\$135
Project Lead	\$150
Manager Group Lead	\$170
Principal	\$190
Expert Witness	\$260
One-Man Survey	\$110
Two-Man Survey	\$160

Reimbursable Expenses	
Subconsultants	Cost Plus 10%
Mileage	\$0.70/mile
Copies (8½"x11")	\$0.25/copy
Prints (11"x17", 18"x24")	\$0.50/print
Prints (24"x36")	\$1.00/print

Effective July 1, 2021

JR Appendix

Section Résumés

Aaron L. Clutter, PE

Mr. Clutter has developed, managed, designed, and provided construction services for over \$300 million in construction projects including highways, roadways, interchanges, railroads, bridges, water and waste water treatment systems, water and wastewater infrastructure, and regional drainage improvements including storm sewer, box culverts, channels, water quality ponds, and retention and detention ponds. Mr. Clutter's experience includes both private and public sector clients involving all aspects of a project including initial scoping, funding, survey, public involvement, easement and right-of-way acquisition, design, bidding, construction management, and final closeout. Mr. Clutter has worked on numerous City, County, and State projects that have included local, state, and federal monies. Currently, Mr. Clutter has been the Program Manager for 104th Avenue in Commerce City, Colorado, which is a major arterial roadway from Brighton Road to E-470 worth approximately \$80 million in total costs. This project is anticipated to be completed in 2015 and will include all phases of design, bidding, and construction of a 7.5 mile concrete arterial roadway. The construction will include approximately 5 bridge structures, potable and non-potable water transmission lines, electrical transmission lines, sanitary sewer infrastructure, detention and water quality ponds, and floodplain improvements for approximately 5 regional outfalls.

Mr. Clutter is also serving as the District Engineer for two metropolitan districts located in the City of Commerce City and the City of Brighton. The combined acreage of the two metro districts is approximately 5000 acres and includes a mixture of residential and commercial development. Since 2001, Mr. Clutter has managed all aspects of the design and construction within the two metropolitan districts at an approximate construction value of \$100 million in improvements.

Prior to working for JR Engineering, Mr. Clutter conducted inspections of State Highway lighting and traffic signals for the Pennsylvania Department of Transportation. This work included scheduling, reviewing pay requests, inspecting electrical work, and traffic control associated with installations and maintenance of highway lighting, sign lighting, navigational bridge lighting, and traffic signal control panels.

Aaron L. Clutter | Project Principal | Project Manager | PE

Bachelors of Science / Civil Engineering / University of Pittsburgh 1994



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#36742/Colorado

American Society of Civil
Engineers/Colorado

YEARS OF EXPERIENCE

25 Years

YEARS WITH JR ENGINEERING

25 Years

RELEVANT PROJECT EXPERIENCE

Transportation Projects:

- 1601 Study for 136th Avenue, 144th Avenue, and Bromley Lane interchanges with I-76 for the City of Brighton and the Prairie Center Metropolitan District.
- US 85/104th Intersection Improvements and conceptual design of the future interchange improvements including grade separation of 104th Avenue and US 85.
- Design and construction of 8 miles of Arterial Roadway, 10 miles of water and sewer infrastructure, 20 traffic signals, regional drainage improvements, irrigation ditch relocation, and utility relocation located within the City of Brighton, Colorado. Roadways include Bromley Lane, Buckley Road, Tower Road, and Prairie Center Parkway.
- Prairie Gateway, Commerce City, Colorado



JR ENGINEERING

- Plum Creek Parkway and Fairgrounds Drive, Castle Rock, Colorado
- North Valley Tech Center, Thornton, Colorado
- Niver Creek Trail, Thornton, Colorado
- Melody Drive, Northglenn, Colorado
- 144th Avenue Roadway, Utility & Landscaping Improvements (PPI), Brighton, Colorado

Water Resources Projects:

- Prospect Valley Water Sys-Potable Water Supply Wells, Colorado
- Preliminary Engineering Services for the T-88 Drainage Outfall Cost Recovery, Commerce City, Colorado
- Poudre Hatchery Well Design, Kinninick, Colorado
- Phase One Drainage (PPI), Brighton, Colorado
- Lowell Boulevard Water Main Replacement, Westminster, Colorado
- Sewer Realignments & Replacements, Westminster, Colorado

District Engineering Projects:

- Survey and Design assistance for 10 miles of 115kv electrical transmission lines for United Power in Commerce City and the City of Brighton.
- Project Manager for 3.5 miles of roadway design-build for 56th Avenue in Adams County, Colorado.
- District Engineer and Project Manager for Reunion Metropolitan District responsible for oversight of 12 miles of roadway from local residential to 6-lane major arterials including two roundabouts, a 2-span 100 foot concrete girder bridge, a 12'x15' pedestrian underpass, and 5 traffic signals. Major drainage way improvements including First, Second and Third Creek. Utility design and construction includes 41,000 linear feet of 6"-16" waterline and 46,000 linear feet of 4"-36" non-potable waterline, 14 miles of sanitary sewer from 4 to 20 inches; 18 miles of storm sewer from 18 to 72 inches and open drainage channels.
- Program Manager responsible for management of all planning, design, permitting, surveying, and construction management for the 104th Avenue Corridor Improvement project. This project is a multiple jurisdictional project requiring coordination with Commerce City, Adams County, E-470, CDOT, FRICO, RTD, DRCOG, FHWA, UPRR, BNSF railroad, Urban Drainage, and over 80 various properties, businesses, and HOA's. The project is a multi-phased project with Local and Federal funding and includes the following major elements: 8 miles of concrete arterial roadway design and construction including 7 bridge structures, right-of-way and easement acquisition in accordance with the Uniform Real Estate Act for approximately 80 property owners, environmental assessments, 8 miles of non-potable and potable transmission and distribution lines, wastewater facilities, drainage conveyance systems, water quality ponds, railroad crossing improvements, intersection reconstruction, 10 traffic signals, streetlights, landscaping, RTD bus stops, pedestrian underpasses, sidewalks, trails, and utility relocations.
- Project Principal in charge of Thornton Parkway and Washington Street Intersection Improvements for the City of Thornton. The project included lane widening and the addition of turn lanes with associated storm drainage improvements. The project was federally funded and required CDOT Local Agency Approval.
- Project Principal in charge for 106th Avenue and Biscay Street Improvements in Commerce City, Colorado. The project consisted of the construction of approximately 3000 feet of new roads along with all the necessary utilities. This project involved roadway and drainage improvements, waterline design, sanitary sewer design, including a single lane roundabout, landscaping, and street lighting.
- Project Principal in charge of 112th Avenue Widening for the City of Westminster and City of Northglenn. This multi-jurisdictional project provided roadway widening from Federal Blvd to Huron Street, including storm sewer upgrades and a major-drainage crossing.
- Project Manager for the Russellville Road Improvement project for Douglas County, Colorado. The existing roadway consisted of a two-lane gravel road without shoulders. The roadway improvements included paving and widening the roadway to accommodate two twelve foot lanes and six feet shoulders; changing the horizontal and vertical alignment of the existing roadway to increase stopping sight distances; drainage improvements; retaining walls; box culvert; curb and gutter; inlets; utility coordination with all affected utilities; signage and striping.



Daren A. Sterling, PE

Mr. Sterling has over 39-years of engineering experience as a City Engineer, Director of Public Works, Project Manager, and Project Engineer for a wide variety of civil engineering projects and public works programs. These include transportation, roadways, drainage, and stormwater. Mr. Sterling's previous experience includes serving as the City Engineer for the City of Commerce City, Colorado, and Director of Public Works for Commerce City, Colorado. In these positions, he was responsible for identifying, developing, and implementing the full spectrum of Capital Improvement Programs. As City Engineer for Commerce City, Colorado he was responsible for all phases of division activities including supervision of project and development engineers, and construction inspectors. Mr. Sterling managed transportation, major drainage ways, and construction of the Prairie Gateway (Dick's Sporting Goods Park) in Commerce City with a project budget of \$80 million. Mr. Sterling managed the 104th Avenue General Improvement District project with a budget of \$84 million.

Daren A. Sterling | Client Manager | PE

Bachelors of Science / Civil Engineering / University of Colorado 1982



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
27463/Colorado

American Public Works
Association, Colorado

YEARS OF EXPERIENCE

39 Years

YEARS WITH JR ENGINEERING

7 Years

RELEVANT PROJECT EXPERIENCE

- Transportation Plan, Town of Severance , CO
- On-Call Development Review, Castle Rock, CO
- Boston Street Reconstruction, Greenwood Village, CO
- Fitzsimons Station Pedestrian Improvements, Aurora, CO
- WCR 74 & WCR21 Intersection Improvements, Severance, CO
- Yosemite & Fair Traffic Signal, Greenwood Village
- Swan Meadow Village Infrastructure Rehabilitation
Sun Communities
- Prairie Gateway Infrastructure, Commerce City, CO
- Quebec Street Corridor, Commerce City, CO
- Quiet Zones, Commerce City, CO
- Highway 85 Corridor Study, Commerce City, CO
- Comprehensive Transportation Plan, Commerce City, CO
- 69th Avenue/Holly Street Realignment, Commerce City, CO
- 104th Avenue General Improvement District, Commerce City, Co
- Highway 2 Intersection Improvements, Commerce City, CO
- Road Impact Fee, Commerce City, CO
- Drainage Impact Fee, Commerce City, CO
- Dog Track Demolition, Commerce City, CO
- Railroad Crossing Gate Installations, Commerce City, CO
- National Pollutant Discharge Elimination System (Storm Water Program), Commerce City, CO
- Technical Advisory Committee
Denver Regional Council of Governments
- Event Planning – Dick's Sporting Goods Park, CO Rapids
Rocky Mountain Music Festival



JR ENGINEERING

Elijah Farney, PE, PTOE

With over 20 years of experience, Mr. Farney serves as Project Manager or Project Engineer on a variety of transportation engineering projects for public and private sector clients. His experience encompasses preparation and review of traffic impact studies, access control plans, access and circulation studies, intersection capacity analysis, and traffic signal warrant studies. He is also experienced in traffic signal design, bicycle and pedestrian design, roundabout design, signing and striping plans, highway/railroad grade crossings, traffic control plans, intersection and roadway design, and development of plans, specifications, and estimates. He is proficient in AutoCAD, Civil 3D, Synchro, SimTraffic, and Rodel programs. Mr. Farney brings to our team experience combining transportation planning, traffic engineering, and design into a cohesive package for specific projects.

Elijah Farney | Project Manager | PE, PTOE

Bachelors of Science / Civil Engineering / Colorado State University Pueblo 2001



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#41677/Colorado

Professional Traffic Operations
Engineer #2472

Institute of Transportation
Engineers

2011 & 2014 International
Roundabout Conferences

YEARS OF EXPERIENCE

20 Years

YEARS WITH JR ENGINEERING

20 Years

RELEVANT PROJECT EXPERIENCE

- Over 60 Traffic Impacts Studies across Colorado
- Comprehensive Plan Updates; Cañon City, Grand Junction, Gunnison, Fort Lupton, Windsor and Frederick, CO
- Transportation Plan, Severance, CO
- On-Call Traffic Engineering, Severance, CO
- 23rd Avenue Bicycle/Pedestrian Path at Fitzsimons Station, Aurora, CO
- Washington Street Widening (150th to E-470), Thornton, CO
- Solstice Roundabouts, Douglas County, CO
- Highway 6 and CR 51 Traffic Study, Dillon, CO
- Zone 3 Transmission Waterline, Erie, CO
- WCR 74 and WCR 21 Intersection Improvements, Severance, CO
- East 104th Avenue Corridor Improvements, Commerce City, CO
- 61st and Peña Station, Transit Oriented Development, Denver, CO
- Yosemite Street and Fair Avenue Traffic Signal, Greenwood Village, CO
- RidgeGate Parkway and Meridian Village Parkway Traffic Signal, Douglas County, CO
- 2012 and 2016 Traffic Signal Replacements, Colorado Springs, CO
- Crystal Valley Parkway Widening, Castle Rock, CO
- Neale Avenue Intersection Improvements, Aspen, CO
- Mill Street Corridor Complete Street, Aspen, CO
- Queue Cutter Signal at 104th Avenue and UPRR, Commerce City, CO
- Garden of the Gods Road and Chestnut Street Traffic Impact Study and Traffic Signal Replacement, Colorado Springs, CO
- Bromley Lane, Buckley Road, and Prairie Center Parkway, Brighton, CO
- Pecos Street and 56th Avenue Intersection Improvements, Adams County, CO



JR ENGINEERING

Eric Lee, PE

With 13 years of diverse experience, Mr. Lee serves as the Transportation Group Manager and as a project manager on a variety of transportation engineering projects for public and private sector clients. His experience encompasses design, project management, and construction oversight for transportation projects ranging in value from low to extremely high, including cities, counties, State, Federal, and private projects. He is also experienced in land development, drainage, phasing, traffic control plans, intersection and roadway design, ADA compliance reviews, and development of plans, specifications, and estimates. He is proficient in AutoCAD, Civil 3D, Microstation, and the plethora of CDOT software and programs. Mr. Lee brings to our team experience in transportation projects of all sizes, both public and private, and at all levels of government.

Eric Lee | Transportation Project Manager | PE

Bachelors of Science / Civil Engineering / North Dakota State University 2007



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#47686/Colorado

American Society of Civil Engineers

Engineers Without Borders

YEARS OF EXPERIENCE

13 Years

YEARS WITH JR ENGINEERING

4 Years

RELEVANT PROJECT EXPERIENCE

- O Street & 59th Avenue Roundabout & Railroad Crossing, Greeley, CO
- 112th Avenue Widening (Chambers to Parkside), Commerce City, CO
- 40th Avenue Widening and Extension, Brighton, CO
- Solstice Development for Shea Homes, Douglas County, CO
- I-25 and Arapahoe Interchange Reconstruction, Greenwood Village, CO
- 6th Avenue (SH30) Overlay and Signal/ADA Upgrades, Aurora, CO
- Iliff Avenue (Quebec to Parker) Widening, Arapahoe County, CO
- Quincy/Parker Rd (SH83) Operational Study, Aurora, CO
- Quincy/Gun Club Rd (SH30) Partial CFI, Arapahoe County, CO
- Havana and Dartmouth Emergency Flood Repair, Denver, CO
- TREX Wall Coping Repairs along RTD Light Rail, Denver, CO
- 6th Avenue Extension Environmental Assessment, Aurora, CO
- Arapahoe/Jordan Intersection and Overlay Parker to I-25, Centennial, CO
- Arapahoe (SH88)/Parker (SH83) Interchange Erosion Control, Aurora, CO
- Hampden/University Intersection Design, Cherry Hills Village, CO
- Parker Road and Havana Street Overlays, Aurora, CO
- I-25 (Lincoln to C-470) Overlay, Lone Tree, CO
- Hampden (US 285)/Colorado Intersection Reconstruction, Denver, CO
- Runway Resurfacing Perry Stokes Airport, Las Animas County, CO
- Taxiway Reconstruction, Cheyenne Airport, WY
- Plaza Pavers – Vehicle Entrapment Area, Schriever Air Force Base
- Bails and Harvard Habitat for Humanity homes, Denver, CO
- Transportation Master Plans, Lake County, CO and Schriever AFB
- Created Capital Improvements Program, City of Centennial, CO
- Pavement Manager, City of Centennial, CO (2008-2011)



JR ENGINEERING

Trevor Millican, PE

With 11 years of experience, Mr. Millican serves as project engineer on a variety of transportation engineering projects for public and private sector clients. His experience includes roadway design, traffic design, drainage design, and construction phasing. He is familiar with projects from the planning and environmental phases to the preparation of final plans for construction. He is proficient in AutoCAD and Microstation. Mr. Millican brings to our team experience in transportation projects of all sizes.

Trevor Millican | Project Engineer | PE

Bachelor of Science / Civil Engineering / California Polytechnic University Pomona, 2009



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#56318/Colorado
#87629/California

American Society of Civil Engineers

YEARS OF EXPERIENCE

12 Years

YEARS WITH JR ENGINEERING

2 Years

RELEVANT PROJECT EXPERIENCE

- Washington Street & 152nd Avenue Widening, Thornton, CO
- RidgeGate Southwest Village Traffic Impact Study, Lone Tree, CO
- USFS Development Project Traffic Impact Study, Dillon, CO
- 112th Avenue Widening Phase 1, Commerce City, CO
- Savi Ranch Parkway Widening, Yorba Linda, CA
- SR-55 Widening from I-405 to I-5, Orange County, CA
- Jurupa Road Grade Separation with UPRR Tracks, Jurupa Valley, CA
- Rosecrans Ave Grade Separation with BNSF Tracks, Santa Fe Springs, CA
- Turnbull Canyon Road Grade Separation with UPRR Tracks, Industry, CA
- I-10 Express Lanes, San Bernardino County, CA
- I-605/Beverly Blvd Interchange Improvements, Pico Rivera, CA
- State College Rd Grade Separation with UPRR Tracks, Anaheim, CA
- Metrolink Double Track Project At-Grade Improvements, Los Angeles, CA
- Ortega Rd Widening, San Juan Capistrano, CA
- Crenshaw Light Rail At-Grade Crossing Improvements, Los Angeles, CA
- I-5/Jamboree Rd Widening and Interchange Improvements, Irvine, CA
- All-Electronic Tolling Conversion Project, Irvine, CA
- California High Speed Rail, Palmdale to Burbank, CA
- Los Angeles Union Station Improvements, Los Angeles, CA



Tristan Bonser, PE

Mr. Bonser is JR's Water Resource Manager and has 13 years of experience in civil engineering and construction management as a design engineer, project engineer, and project manager on both public infrastructure and land development improvement projects. With an emphasis in hydrologic analysis, design of open channels, urban drainage conveyance, and stormwater water quality/detention, his general areas of expertise include hydrology, hydraulics, groundwater engineering, and water rights. Representative current and past projects include open channel design, naturalized stream channel design, storm sewer design, drainage master plans, floodplain studies and floodplain map revisions, hydraulic structure design, lift station design, water transmission and distribution plans, water augmentation plans, site grading, and stormwater management plans; as well as contract document preparation, specification writing, construction phasing and scheduling, construction inspection, and regulatory agency compliance. He also has expert knowledge of AutoCAD Civil 3D; hydrologic, hydraulic, and groundwater resources software; and regulatory agency criteria through successfully completed projects throughout the Colorado Front Range.

Tristan Bonser | Water Resources Project Manager | PE

Bachelors of Science / Civil Engineering / Colorado State University 2007



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#47602/Colorado

Urban Drainage and Flood Control
District Stream Management
Academy 2018-2019

Certified CDOT Erosion Control
Supervisor

YEARS OF EXPERIENCE

13 Years

YEARS WITH JR ENGINEERING

13 Years

RELEVANT PROJECT EXPERIENCE

- High Line Canal Operational SWMM Model Updates for Solstice Development; Douglas County/UDFCD
- T-88 Basin Master Drainage Plan; Commerce City, Colorado
- Ragweed Draw Hydrologic Analysis; Commerce City, Colorado
- Kettle Creek Drainage Basin Planning Study (DBPS); Colorado Springs, Colorado
- Brighton Watershed Tributary to the South Platte River Outfall Systems Planning (OSP) Design Report Amendment; Brighton, Colorado
- Letter of Map Revision (LOMR) for Sellars Gulch Tributary 1; Castle Rock, Colorado
- Letter of Map Revision (LOMR) for Tanglewood Creek; Westminster, Colorado
- Second Creek Reach 3 Improvements: Chambers Road to BNSF Railroad; Commerce City, Colorado
- Las Vegas Street Drop Structure, Sand Creek; Colorado Springs, Colorado
- South Platte River South Tributary 6 & Fairgrounds Tributary Channel Improvements, Thornton, Colorado
- South Brighton Regional Drainage Outfall and Fulton Ditch Realignment Project; Brighton, Colorado
- Dogwood Gulch Channel Improvements; Denver, Colorado
- Tanglewood Creek Channel Improvements; Westminster, Colorado
- Riverview Avenue & Optimist Park Drainage Improvements; Fort Morgan, Colorado
- East Marcy Gulch Channel Improvements; Highlands Ranch, Colorado
- Crystal Valley Ranch Drainage Outfalls and Regional Detention Ponds; Castle Rock, Colorado
- Peña Station Sanitary Lift Station; Denver, Colorado
- Meridian Sanitary Sewer Lift Station H; Douglas County, Colorado
- Reunion Irrigation System Conversion; Commerce City, Colorado
- Water Augmentation Pipeline; Brighton, Colorado
- Swan Meadow Village Water Line Replacement; Dillon, Colorado
- Pine Bluffs Water Master Plan; Pine Bluffs, Wyoming
- The Abbey of St. Walburga Wastewater Treatment System; Virginia Dale, Colorado



JR ENGINEERING

Daniel Vaught, PE

Mr. Vaught has over 7 years of experience in civil engineering as a Design Engineer for a wide variety of civil engineering projects. Mr. Vaught's previous experience includes serving as a Design Engineer at Perception Design Group and Jehn Engineering where he was responsible for all phases of design, from concept through construction services on a variety of commercial and residential land development projects. He has design experience with overlot and final grading, street design, storm sewer and storage facility design, hydrologic and hydraulic analysis, flood plain mapping, outfall system design, water distribution, wastewater collection, and utility master plan for state and county agencies, cities, metropolitan districts, and private clients. He has experience in AutoCAD and other civil design software packages including Civil 3D; EPANET, WaterCAD, Hydraflow, HY-8, Flowmaster, HEC-RAS, StormCAD, UD Sewer and Urban Drainage's hydraulic modeling software, CUHP, and EPASWMM.

Daniel Vaught | Project Engineer | PE

Bachelors of Science / Biological Systems Engineering / Virginia Tech 2011



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#57455/Colorado

YEARS OF EXPERIENCE

7 Years

YEARS WITH JR ENGINEERING

3 Years

RELEVANT PROJECT EXPERIENCE

- Las Vegas Street Drop Structure, Colorado Springs, CO
- Reunion 104th Ave Detention Pond, Commerce City, CO
- Timberleaf Subdivision, Thornton, CO
- Northwest Open Space Improvements, Northglenn, CO
- Crystal Valley Ranch, Castle Rock, CO
- Reunion 100th Ave Detention Pond, Commerce City, CO
- Denver International Business Center Filing 7, Aurora, CO
- Ken Caryl Retail Center, Littleton, CO
- 112th Avenue and O'Brian Canal Realignment, Commerce City, CO
- Reunion Village 8, Commerce City, CO



Kelly Unkrich, EIT

Ms. Unkrich has over 7 years engineering experience as a Project or Design Engineer for a wide variety of civil engineering projects, both public and private. These include transportation, water system design and drainage systems. Her experience includes the design of a variety of roadway systems, private and public water systems, stormwater design and drainage storage facilities. Ms. Unkrich has done work in transportation such as roadway design, traffic operation analysis, intersection improvements and roadway reconstruction and widening improvements. She has also done work involving hydrologic and hydraulic analysis, storm drainage plans, storm sewer design, storage facility design, channel design, drainage reports and stormwater management plans. Additional experience includes overlot and final site grading and utility infrastructure. She is proficient in AutoCAD and other civil design software packages including Civil 3D, HEC-RAS, CUHP, EPA-SWMM, EPANET, Synchro, AutoTURN, AutoLUX and StormCAD.

Kelly Unkrich | Project Designer | EIT

Bachelors of Science / Civil Engineering / Colorado School of Mines 2013



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Engineer in Training
Colorado

American Society of Civil
Engineers

Society of Women Engineers

YEARS OF EXPERIENCE

7 Years

YEARS WITH JR ENGINEERING

7 Years

RELEVANT PROJECT EXPERIENCE

- Reunion Village 9, Commerce City
 - Transportation, Stormwater and Channel Design
- 112th Avenue Improvements – Phase 1, Commerce City
- Ridgeway Village Development, Lone Tree (Currently in Design)
 - Stormwater Design
- Ragweed Draw Hydrologic Analysis
- Candellas Townhomes, Arvada – Traffic Signal Design
- 61st and Pena Station Development, City of Denver
 - Transportation Design and Stormwater Design
- Denver International Business Center – Filing #5, City of Denver
 - Transportation Design and Utility infrastructure Design – Private and Public
- Long Lake Regional Park and Lutz Sports Complex, City of Arvada
 - Stormwater Design
- 100th Avenue and Walden Street, Commerce City - Stormwater Design
- Swan Meadows Village, Dillon
 - Water System Design and Sanitary Sewer Inspection
- Brighton Crossing Filing 6, Brighton – Stormwater Design
- Osage Self Storage, City of Denver – Waterline Design
- Lake Gulch Road, Douglas County – Stormwater Design
- Crystal Valley Ranch, Castle Rock – Wastewater Design
- Crystal Valley Ranch Filing 13, Castle Rock - Erosion Control Design
- Traffic Impact Studies for varying jurisdictions
- Comprehensive Plans for varying jurisdictions
- Second Creek Pond Dam and Floodplain Analysis
- Reunion Master Drainage Report
- Reunion Commercial at 103rd and Tower District (Currently in Design)
 - Transportation, Stormwater and Utility Design
- Reunion 7A District (Currently in Design)
 - Transportation, Stormwater and Utility Design



JR ENGINEERING

Trent T. Marshall, PE

Mr. Marshall has over 28 years of civil engineering experience, including 9 years in the municipal environment. As a civil engineer for the City of Northglenn, Mr. Marshall managed the design and construction of most of the transportation and drainage CIP projects each year, including CDOT Local Agency projects. Mr. Marshall also served as the Town Engineer for the Town of Mead. Through these appointments, Mr. Marshall worked extensively with elected officials, business owners and residents to complete many public works projects, and is very familiar with the municipal processes and the public involvement requirements. The management of the design and construction of roadway, intersection, drainage, storm sewers, and traffic signal systems are included in Mr. Marshall's experience. Mr. Marshall also has extensive experience in surveying, cost estimating, preparation of construction plans and specifications, and construction management.

Trent T. Marshall, PE | Construction Services Division Manager

Bachelors of Science / Civil Engineering / Metropolitan State University
of Denver 1993



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#35162/Colorado

Institute of Transportation
Engineers

American Public Works
Association

American Society of Civil
Engineers

YEARS OF EXPERIENCE

28 Years

YEARS WITH JR ENGINEERING

16 Years

RELEVANT PROJECT EXPERIENCE

- 104th Avenue Corridor Improvements Construction Management - Commerce City, Colorado
- Orchard Parkway Construction Management - Westminster, Colorado
- Town of Mead – On-call Town Engineer/Construction Manager
- 96th Ave Construction Management - Commerce City, Colorado
- Prairie Center Regional Outfall and Detention Pond Construction Management - Brighton, Colorado
- Thornton Parkway & Washington Street Improvements Construction Management - Thornton, Colorado
- 120th Avenue & Grant Street Intersection Improvements - Thornton, Colorado
- Reunion Metropolitan District Construction Management - Commerce City, Colorado
- North Creek Drainage Improvements Construction Management - Mead Colorado
- 112th Ave Widening Construction Management - City of Westminster, Colorado
- Mountain Ave, Phase 1 Construction Management - Berthoud Colorado
- Adams Avenue Widening – Mead, Colorado
- Washington Street/Thornton Parkway Intersection & Drainage Improvements, Thornton, CO



Rocky L. Carns, PE

Mr. Carns has more than 40 years of engineering experience as an Operations Director, Project Manager, and Project Engineer for a wide variety of civil engineering projects and public works programs. These include transportation, roadways, drainage and stormwater, solid waste disposal and recycling, and potable water and wastewater systems. At JR Engineering, Mr. Carns has directed the operation of the Public Works Division and has served as Project Manager or Project Director on numerous roadway, storm drainage and infrastructure projects. Mr. Carns' previous experience includes serving as Director of Public Works for the City of Hemet, California and Director of Engineers for Adams County, Colorado. In these positions he was responsible for identifying, developing, and implementing the full spectrum of Capital Improvement Programs. As Director of Engineering for Adams County, Colorado he was responsible for all phases of department activities involving supervision of a development engineer, construction engineer, surveying, right-of-way engineer, and a traffic engineer. Mr. Carns was a key participant in transportation, major drainage way, and construction equipment and material access planning activities associated with the Denver International Airport.

Rocky L. Carns | Vice President | Project Manager | PE

Bachelors of Science / Civil Engineering / University of Wyoming 1981
Masters of Business Administration / University of Colorado 2001



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Engineer
#24159/Colorado

Professional Engineer
#9663/Wyoming

American Public Works
Association, Kansas City,
Missouri

American Water Works
Association, Denver, Colorado

Institute of Transportation
Engineers, Washington DC

YEARS OF EXPERIENCE

40 Years

YEARS WITH JR ENGINEERING

24 Years

RELEVANT PROJECT EXPERIENCE

- Manitou Avenue, Town of Manitou Springs
- Polo Club Drainage & Roadway Improvements – Polo Club, Denver
- McKay Drainageway, City of Westminster, CO
- Orchard Parkway, City of Westminster, CO
- Imboden Road, Arapahoe County, CO (Design Build)
- Manilla Road, Arapahoe County, CO (Design Build)
- Riverdale Road, Adams County, CO (Design Build)
- Lowell Boulevard Construction, Westminster, CO
- 70th & Broadway Intersection Reconstruction, Adams County, CO
- 56th Avenue & Pecos Intersection Reconstruction, Adams County, CO



Jarrood Adams, PLS

Mr. Adams has over 11 years of experience in surveying. He is responsible for overall department management, boundary analysis, establishing control networks, and deed research. Mr. Adams has experience in all phases of surveying services, from client relations, project estimating, and staff coordination through project planning, data collection, office reduction, and quality control. He currently oversees all survey projects including design surveys, ALTA/ACSM land title surveys, utility mapping, Right-of-way mapping, and construction surveys.

Jarrood Adams | Survey Manager | PLS

Bachelors of Science / Geomatics Engineering / Ohio State University 2006



REGISTRATIONS AND PROFESSIONAL AFFILIATIONS

Professional Land Surveyor
#38252/Colorado

YEARS OF EXPERIENCE

11 Years

YEARS WITH JR ENGINEERING

11 Years

RELEVANT PROJECT EXPERIENCE

- Pole Canyon Wind and Transmission Line - Huerfano County, CO
- Tri-State Generation Transmission Line – Adams County, CO
- Metro Wastewater Boundary and Mapping – Adams County, CO
- Littleton Fire Protection District Mapping – Littleton, CO
- Las Vegas Wastewater Treatment Plant Mapping – Co. Springs, CO
- Douglas County Schools Topographic Survey – Douglas County, CO
- East 104th Ave. Expansion Right-of-way Mapping – Commerce City, CO
- NORAD ALTA/ACSM Land Title Survey – Cheyenne Mountain, CO
- Anschutz Medical Campus Design Surveys – Aurora, CO
- University of Denver Academic Commons – Denver, CO
- Washington St. Widening Right-of-Way Mapping – Thornton, CO





Mr. Sabatini has committed his professional endeavors to improving the built environment throughout Colorado and the Intermountain West. Working within the public and private sectors, Mark routinely manages large and complex projects, delivering projects on-time and on-budget. He is well-versed in applicable building codes, and understands how to schedule and manage subcontractors, the trades, and material suppliers. Mark is respected among his peers, and he is fully engaged in the communities where he works, donating time to the following organizations: Urban Land Institute, Housing Colorado, Colorado Open Lands, Chairman of the Ten Mile Basin Planning Commission, Summit Combined Housing Authority Advisory Board and was seated as the Chairman of the Frisco Housing Task Force.

REPRESENTATIVE EXPERTISE & EXPERIENCE:

EDUCATION

Masters of Urban &
Regional Planning
University of Colorado

Bachelor of Arts American
Legal & Economic History
Creighton University

CERTIFICATIONS

FEMA Housing Inspector
#19026

CDOT (TECS) Erosion
Control Manager / CDOT
Asbestos Certification

AREAS OF EXPERTISE

- CDOT / CFL INSPECTIONS / FEMA PROJECT MANAGEMENT
- CONTRACTOR MANAGEMENT/ STORM WATER MANAGEMENT / TRAFFIC CONTROL
- REGULATORY COMPLIANCE
- INFRASTRUCTURE / MUNICIPAL FACILITIES
- CONSERVATION/REAL ESTATE/HOUSING
- COMMERCIAL/FACILITIES
- MULTIFAMILY RESIDENTIAL PROJECTS

STORM WATER MANAGEMENT / INFRASTRUCTURE

- \$75M The Breckenridge Ski Area Masterplan / Peak 8 Site Improvements
- \$55M Stray Horse Gulch Water Treatment Facility, Leadville, CO
- \$19M Tower Road Storm Sewer Interceptor, Denver, CO
- \$18 M Brooklyn Heights Subdivision, Leadville, CO
- \$5M North Alpine Lots Housing Site Development, Copper Mountain, CO
- \$5M Swan Meadow Village Waterline Replacement, Summit County, CO
- \$5M CDOT Vehicle/ Sand Storage Shed, Wolcott, CO
- \$3M Copper Mountain Filing 1-5 Water and Sewer Extensions

ROAD / BRIDGES

- \$18M Richmond Hill/ Foxton Road improvements Conifer, CO
- \$7M Park Avenue / French Street Bridges, Breckenridge, CO
- \$5M Bailey Richmond Hill Overlay, Bailey, CO
- \$4M Black Squirrel Creek Bridge, Peyton, CO

CONSERVATION / REAL ESTATE / HOUSING

- \$105M The Bar-B-Bar Ranch, Jackson Hole, WY
- \$95M The Ford Ranches, Jackson Hole, WY
- \$22M The Sagewood PUD, Hayden, CO
- \$18.5M Gibson Heights, Breckenridge, CO
- \$7M Spyglass Townhomes- The Wildernest PUD, Silverthorne, CO
- \$6M Cascade Creek Affordable Townhomes, Silverthorne, CO

COMMERCIAL/FACILITIES

- \$18M The West Frisco Gateway Center, Frisco, CO
- \$17M The Parkway Center, Breckenridge, CO
- \$12M The Breckenridge Ski Area Maintenance Facility
- \$3.5M The Cambridge Office Buildings, Frisco, CO
- \$2M The Blue Spruce Restaurant, Frisco, CO
- \$450,000 Copper Mountain Maintenance Facility Addition