



800 W. 8th Street
Pueblo, Colorado 81003
(719) 582-5588
C: (720) 998-7788
www.jesik.us

August 11, 2023

Town of Grand Lake
1026 Park Avenue
Grand Lake, CO 80447-0099
PO Box 99
Grand Lake, CO 80447-0099

RE: Request for Proposals (RFP) – Roadway Engineering Lucy Street

To Whom it may Concern:

Please find attached the following items:

1. Grand Lake RFP Response including:
 - a. Cover Letter (2 pages)
 - b. Proposal for Geotechnical and Civil Engineering Services (9 pages)
 - c. Not to Exceed fee Scope of Work with unit and hourly rates (1 Page) (Under a separate fee proposal file)
 - d. Hourly Rate Fee Schedule (6 Pages) (Under the separate fee proposal file)

Thank You for the opportunity to submit our response to the above referenced RFP, and the opportunity to be of service to the Town of Grand Lake (Town).

Jesik Consulting (Jesik) was founded in 2005, by Joseph Andrew (Andy) Jesik, P.E., as a Geotechnical Firm, complete with a state of the art, on-site Laboratory capable of all associated testing and certification of in-situ soil conditions, proposed materials for road and foundation sub-base and recommendations of same. In addition, Jesik provides potable water distribution system and treatment design, wastewater distribution system and treatment design, foundation systems, storm water management studies and design, as well as water rights engineering such as substitute supply plans, augmentation plans and surface and groundwater depletion analysis. Recently, Jesik was involved in the design of several small carbon sequestration pits, as well as other varied Civil Engineering Disciplines.

Jesik Consulting is comprised of a staff of Licensed Professionals and Certified Testing Technicians and office management personnel who are courteous, professional, and willing to serve the Client's requests in an expeditious and professional manner. The Design Team has comprehensive experience in Stormwater Management, Best Management Practices (BMP), Sanitary Sewer Distribution and Treatment, Potable Water Distribution and Treatment, Street, roadway, curb, gutter, and sidewalk design, as well as Geotechnical Engineering and Water Rights.

We would like to request that Section **V. OWNERSHIP** of the Agreement for Professional Services be amended to remove portions of sentence 4 to read: "The Town may, with respect to all or any portion of



Jesik

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such work, use, publish, display, reproduce, distribute, destroy or translate such work without providing notice to or receiving consent from Engineer.” We request the terms “alter,” “retouch,” “modify,” “adapt,” or “change” be removed as Jesik Consulting cannot be held responsible for revisions or modifications of which we are not aware of and have not reviewed and approved.

We look forward to your response.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joseph A. Jesik', with a large, sweeping flourish at the end.

Joseph A. Jesik, P.E.
Owner/Chief Engineer

cc: file

Town of Grand Lake
1026 Park Avenue
Grand Lake, CO 80447-0099
P.O. Box 99
Grand Lake, CO 80447-0099

Jesik Consulting
800 W. 8th Street
Pueblo, CO 81003
Attn.: Andy Jesik

Subject project: Proposal for Geotechnical and Civil Engineering Services
Project Name: Town of Grand Lake, Colorado Request for
Proposals Roadway Engineering Lucy Street

To Whom it may concern,

Jesik Consulting. ("JESIK") appreciates the opportunity to present this proposal to the Town of Grand Lake ("Client") for geotechnical and civil engineering services.

Based on our correspondence, we understand the project will entail the 5-phase design for the extension of Lucy Street.

Project Understanding and Approach

Andy Jesik, PE and Kenneth Young, PE have a combined experience in roadway and related drainage design of over 50 years. In addition, Andy Jesik has over 20 years' experience in Geotechnical Engineering. Jesik Consulting has a firm grasp of the intent to extend proposed Lucy Street, and the Engineering Services related to same.

Jesik Consulting has all capability in personnel, credentials, experience, and equipment to perform all aspects of this and more complex projects. This includes our on-site, accredited Geotechnical Laboratory, field and laboratory technicians.

The August 31, 2023, deadline for all Engineering Services is going to be a very tight window. However, our firm is capable of "shaking similar projects out of our sleeve", and just completed a project for the Arkansas Groundwater and Reservoir Association (AGRA) in a little less than two weeks. Mr. Daniel Tucker, PE for AGRA will verify this. His contact information is dan@agraco.net, (719) 406-2852.

Similar Experience

The following is an abbreviated list of clients, including contact information:

Avondale Water and Sanitation District, Avondale, Colorado – Potable Water Infrastructure Improvements – Contact: Sharon Vialpando, Office Director, Telephone: (719) 947-3186, E-mail: avondalewater@aol.com

City of Pueblo, Colorado – On-Call Geotechnical Engineering Services – Contact: Charles E. Roy, PE, Deputy Director Public Works Department, Office: (719) 553-2271, Cell: (719) 568-1381, E-Mail: croy@pueblo.us



Pueblo County, Colorado – On-Call Geotechnical Engineering Services – Contact: A. Karim Ayoub, Project Manager, Department of Engineering and Public Works, Office: (719) 583-4753, Cell: (719) 569-1633, E-Mail: karima@pueblounty.us

Pueblo Urban Renewal Authority – Geotechnical Engineering Services for Dutch Clark Stadium and various other projects – Toni Aciri, PE, Office: (719) 542-2577, Cell: (719) 569-2208, E-Mail: tacri@puebloura.org

Arkansas Groundwater and Reservoir Association (AGRA) – Geotechnical and Civil Engineering Services for the Oxford Farmers Ditch and other projects – Daniel R. Tucker, PE, Cell: (719) 406-2852, E-Mail: dan@agraco.net

Qualifications

Andy Jesik P.E.

Civil Engineer

Andy Jesik has 20 years of experience working as a Geotechnical Engineer, in areas of commercial, highway, residential, mining, dams, and utility projects. As an Environmental Engineer, he has experience in all aspects of onsite water treatment systems (OWTS), commercial and industrial projects and DOD sites. As a construction manager he has worked on Highway and airport projects. Andy also has years of experience as a Geotechnical Program Manager working internationally (Africa-Congo, Mexico, Peru and Columbia) on mining projects.

Education

Colorado School of Mines
Bachelor of Science
in Engineering

Certification/License

Colorado P. E. (No. 39781)
New Mexico P. E. (No 226784)
Arizona P. E (No. 59441)

Relevant Project Experience

City of Pueblo Fire Stations 5, 8 & 11 – Pueblo, CO
Completion of geotechnical soils reports to build three fire stations around the Pueblo area.

Neptune & Thunderwolf Solar Farms – Pueblo, CO
Fremont County Airport – Colorado Springs, CO
Swisspod Test Track (Hyperloop) – Pueblo, CO

Kenneth Young P.E.

Civil Engineering

Ken Young has 37 years of experience as a professional civil engineer doing projects that include, storm drainage, land development, water and wastewater system design,



surveying, roadway design, construction management and project/construction inspections.

Education

CSU (Fort Collins)

CSU (Pueblo)

Bachelor of Science

Civil Engineering Technologies

Certificates/License

Colorado P.E. (No. 33405)

Relevant Project Experience

Repair/Replace Infrastructure at the Colorado State Fairgrounds, Pueblo, Colorado Project Engineer for the design of the replacement of gas, sanitary sewer, storm sewer and water mains at the State Fairgrounds. The total project had a 6-million-dollar budget over 4 years. Responsibilities included the design of a new water distribution system to replace the existing cast iron water mains. The proposed system provided additional fire protection, drinking fountains, decorative fountains and backflow prevention on the new mains and on all new services and frost-free hydrants.

Sunflower Valley Pipeline Association, – Improvements to the Water Distribution System Project Engineer, Surveyor and construction supervision for replacement and expansion of an existing drip water system near Trinidad, Colorado. Provided survey data and coordination with aerial mapping company. Analyzed the existing system and designed a replacement pressure system. This included numerous State Highway crossing and canal crossings. The proposed system included more than 50 miles of new water mains. It also included 4 pressure reducing stations, which served to regulate the water pressure inside the system. The several highway crossing and other stream crossings employed the use of special fittings and HDPE water main pipe.

Rivers Run Subdivision

Project Engineer for a proposed 230 lot subdivision. It involved the design of approximately four miles of new streets, water system, sewer system, storm sewer and drainage improvements, Project Experience highway access improvements, a park and detailed grading plans which will provide for a unique, ridge top lot development near the confluence of the Arkansas and Fountain Rivers. Town of Alma, Colorado Project Engineer for the replacement of various segments of the Town's existing potable water distribution system. Design and Construction challenges due to elevation and shortened construction season.

Orchard Park Water User's Association Project Engineer for the extension of the Avondale Water and Sanitation District (AWSD) potable water distribution system to serve approximately 100 additional taps in the Orchard Park area of Pueblo County, Colorado. Included the hydraulic design and construction of approximately 40 miles of pipeline.

St. Charles Mesa Water District – 2.2 Million Gallon Welded Steel Water Storage Tank Project Engineer and construction supervision for a large storage tank. The proposed project was to provide additional storage at the low-pressure end of a portion of the water distribution system. The tank was designed to work in conjunction with several other storage tanks within the treatment plant.

Our proposed services for the project include geotechnical site investigation, sample



collection and testing, site and soil evaluation, pavement cross section design, construction recommendations, documentation, reports, calculations and improvement plans. Services are completed in general conformance with applicable local regulations and American Society for Testing and Materials (ASTM) standards. More specifically, the *scope of services* ("Services") is as follows:

Basic Services:

- **Site Investigation:**
 - Drill 3 pavement and utility boring to depths ranging to 15 feet or refusal.
 - Record groundwater levels.
 - Classify subsurface materials, changes, and properties that could impact design recommendations or construction.
 - Perform in-situ density testing (i.e., modified California barrel or standard penetration test).

- **Sample Collection and Testing:**
 - Collect disturbed and undisturbed samples at select depths using a modified California barrel sampler with 2-inch outside diameter brass liner or a split spoon sampler. Bulk and grab samples may also be collected. Usually, 3 to 5 samples are collected per boring.
 - Laboratory Testing. Samples will be returned to Jesik's accredited laboratory and testing may include, but is not limited to, grain size analysis, Atterberg limits, swell/consolidation potential, moisture content, density/moisture relationships (proctor test), pH, hydrometer, water-soluble sulfate, and chloride content, redox, and resistivity. Tests are determined after drilling and are selected based on observed subsurface conditions.

- **Pavement Cross Section Design.**
 - Laboratory testing will be completed to classify soil types using the AASHTO classification system.
 - An R-Value/CBR will be assumed/determined by a laboratory test for select soils. This test requires approximately 3-weeks to complete and will affect the design deadline.
 - An asphalt, and composite cross section will be calculated and presented in the report.

- **Geotechnical Engineering Report:**

The report will include the following items:

 - Surface and subsurface drainage recommendations.
 - Identify potential constructability issues such as shallow groundwater, hard rock, unstable soils, etc.
 - Recommendations for earthwork and concrete.
 - Asphalt, concrete, and composite pavement recommendations.

- **Potable Water Distribution System Design:**
The construction plans will include the following items:
 - Selection of proposed line-of-main and description of same.
 - Trench Design and Details (may include use of pipe insulation to reduce excavation depth.
 - Design of all fittings, valves, fire hydrant assemblies, pipe restraints, locating (tracer) wire, service connections and meter pits and individual meters.

- **Sanitary Sewer Distribution System Design:**
The construction plans will include the following items:
 - Selection of proposed line-of-main and description of same.
 - Trench Design and Details
 - Design of all fittings, manholes and service connections.

- **Roadway Design:**
The construction plans will include the following items:
 - Plan & Profile sheets of the various 5-phase design steps.
 - Layout of all utilities.
 - Detailed Grading Plan.
 - Utility Locates

- **Drainage Report:**
The report will include the following items:
 - Analysis of predevelopment storm water runoff rates, volumes, and flow characteristics.
 - Analysis of post development storm water runoff rates, volumes, and flow characteristics.
 - Design of roadway drainage crossings including culvert sizing, end treatment and outlet protection.
 - Identify potential design concerns such as concentrating sheet flow to a point discharge upon completion of the road installation.
 - Recommendations for the need for additional drainage easements, temporary and permanent erosion control and soil stabilization and the potential need for addressing increased runoff rates and volumes and storm water discharge quality.

General Inclusions:

- One (1) stamped copies of the geotechnical engineering report that include the geotechnical Services.
- One (1) stamped copy of the improvement plans.
- One (1) stamped copy of any other reports

Underground Utilities and Boring Locations

Subsurface conditions can vary significantly over a short distance. Therefore, it is important that the borings are drilled at the proper location. It is important to know the location of the utilities prior to drilling. Provide the location of the known utilities by



completing one of the three options below.

Check one of the following:

- The existing private utilities will be clearly staked before Jesik Consulting goes on-site to drill.
- There will be someone on-site to show Jesik Consulting where the proposed construction and existing private utilities are the day of drilling.
- I will provide a detailed site plan that shows where the proposed construction and existing private utilities are on my site before Jesik Consulting drills.

General Exclusions/Additional Services:

- On site meetings. Jesik will provide this as an Additional Service at an additional cost of \$175 trip + \$132/hour.
- Construction observations. May be performed as an Additional Service.
- Materials testing. May be performed as an Additional Service.
- Construction management or consultation. Jesik may provide this Additional Service.

Proposed Completion Date:

We strive to complete the report(s), plans and any other required material by the August 31, 2023, date. This is an ESTIMATED date; completion times WILL vary based on specific circumstances including laboratory and engineering workload, requests for additional information, and other circumstances that are not known at the time of this proposal.

Estimated Fees: The total estimated fees for these services will be **\$23,032.60**. The final payment is expected to be paid to Jesik upon completion of the work.

Geotechnical Services	\$ 6,350.88
Civil Engineering Services	\$10,181.73
Surveying Services	\$ 5,500.00
Utility Locates	\$ 1,000.00

The amounts set forth in this Fee Schedule are based on the information known by Jesik as of the date of this letter. Adjustments to the Fee Schedule may be required if additional or changed information becomes known after the date of this letter that requires Jesik to perform additional work. Jesik shall be entitled to additional fees if required to perform additional work. In such event, Jesik will issue an invoice for the additional work upon completion of the Services.

All Services shall be governed by and performed in accordance with the "Terms and Conditions" attached hereto, which are incorporated into and are a part of this Proposal.




Terms and Conditions

1. Jesik and Associates, LLC, dba Jesik Consulting ("Jesik") shall perform the Services outlined in this proposal for the above stated fees. Fees are only an estimate based on the information known to Jesik at the time of this proposal.
2. Jesik Consulting is an engineering firm with professional licenses and expertise in the area of civil engineering. Services provided under this contract are limited to normal services associated with this area of engineering. All services shall be provided in accordance with the standard of care applicable to civil engineers, performing comparable professional services, on similar projects in this geographical location.
3. Unless otherwise stated in writing, Jesik will have access to the site for activities necessary for the performance of the agreed Services; Jesik will take reasonable precautions to minimize damage caused by the Services, but Client understands that some damage may be incurred. Jesik is not responsible for costs of restoration for any resulting damage.
4. The total fee, (except were identified as a fixed lump sum), is understood by the Client to be an estimate, based upon the known Scope of Services. The total fees charged to Client shall not be exceeded by more than ten percent without written approval of the Client, unless as otherwise set forth herein.
5. Jesik shall be entitled to rely on the professional competency, technical accuracy and completeness of the information furnished by the Client or others to Jesik for its use in performing the Services. Jesik shall not be liable for incomplete or inaccurate information provided to it that affects its Services or for the consequences or effects of such incomplete or inaccurate information.
6. Invoices will be submitted in accordance with the payment schedule. Invoices Will be considered PAST DUE if not paid in accordance with the payment terms set forth in the proposal. Jesik may, without waiving any claim or right against Client, and without liability whatsoever to the Client, terminate its performance of the Services. Normal methods of payments accepted are cash, check, or credit card. A late fee of \$50 will be charged for each 30 days it is overdue. Interest on Past Due amounts will be charged at 2% per month until paid. In the event the guarantor defaults in payment, they agree to pay collection costs for collection of accounts without resort to legal action is 30%, and collection of accounts which require legal action is 45%, and reasonable attorney fees.
7. To the fullest extent permitted by law, Client shall indemnify and hold harmless Jesik and all its personnel from and against any and all claims, damages, losses and expenses (including reasonable attorney's fees) arising out of or resulting from the Project.
8. This agreement may be terminated upon 3 days written notice by either party. In the event of termination, the Client shall pay Jesik for all services, rendered to the date of termination, all reimbursable expenses, and reimbursable termination expenses.
9. Jesik shall retain ownership and applicable copyrights to all its instruments of service, including any and all plans, specifications, recommendations, drawings, opinions, reports, and calculations, upon receipt of full payment, Jesik shall grant to Client a nonexclusive license to use Jesik's instruments of service solely and exclusively for purposes of completing the Project.
10. To the fullest extent permitted by Laws and Regulations, and notwithstanding any other provision of this Agreement, the total liability, in the aggregate, of Jesik and its officers, directors, members, partners, agents, employees, and Consultants, to client and anyone claiming by, through, or under Client for any and all claims, losses, costs, or damages whatsoever arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability, breach of contract, indemnity obligations, or warranty express or implied of Jesik or its officers, directors, members, partners, agents, employees, or Consultants shall not exceed the total compensation received by Jesik under this Agreement.
11. With respect to any dispute, controversy or claim arising out of or relating to these Terms and Conditions or the Services of the Project, shall be resolved either through mediation or a court of law at the unilateral determination of Jesik Consulting.

12. All policies of property insurance relating to the Project, including any builder's risk policy, shall allow for waiver of subrogation rights and contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any insured thereunder or against Jesik or its Consultants. Client and Jesik waive all rights against each other, Contractor, the Consultants, and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils or causes of loss covered by any builder's risk policy and any other property insurance relating to the Project. Client and Jesik shall take appropriate measures in other Project-related contracts to secure waivers of rights consistent with those set forth in this paragraph.
13. To the fullest extent permitted by Laws and Regulations, Client shall indemnify and hold harmless Jesik and its officers, directors, members, partners, agents, employees, and Consultants from and against any and all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys and other professionals, and all court, arbitration, or other dispute resolution costs) caused by, arising out of, relating to, or resulting from a Constituent of Concern at, on, or under the Site, provided that (1) any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, and (2) nothing in this paragraph shall obligate Jesik to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence or willful misconduct.
14. Mutual Waiver: To the fullest extent permitted by Laws and Regulations, Client and Jesik waive against each other, and the other's employees, officers, directors, members, partners, agents, insurers, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to this Agreement or the Project, from any cause or causes.
15. Client represents to Jesik that as of the Effective Date to the best of Client's knowledge no Constituents of Concern, other than those disclosed in writing to Jesik, exist at or adjacent to the Site.
16. If Jesik encounters or learns of an undisclosed Constituent of Concern at the Site, then Jesik shall promptly notify (1) Client and (2) appropriate governmental officials if Jesik reasonably concludes that doing so is required by applicable Laws or Regulations.
17. It is acknowledged by both parties that Jesik's scope of services does not include any services related to unknown or undisclosed Constituents of Concern. If Jesik or any other party encounters, uncovers, or reveals an undisclosed Constituent of Concern, then Client shall promptly determine whether to retain a qualified expert to evaluate such condition or take any necessary corrective action.
18. If investigative or remedial action, or other professional services, are necessary with respect to undisclosed Constituents of Concern, or if investigative or remedial action beyond that reasonably contemplated is needed to address a disclosed or known Constituent of Concern, then Jesik may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Project affected thereby until such portion of the Project is no longer affected.
19. If the presence at the Site of undisclosed Constituents of Concern adversely affects the performance of Jesik's services under this Agreement, then the Jesik shall have the option of (1) accepting an equitable adjustment in its compensation or in the time of completion, or both; or (2) terminating this Agreement for cause on three days' notice.
20. Client acknowledges that Jesik is performing professional services for Client and that Jesik is not and shall not be required to become an "owner," "arranger," "operator," "generator," or "transporter" of hazardous substances, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, which are or may be encountered at or near the Site in connection with any activities or services under this Agreement.
21. Unless otherwise specified, this agreement shall be governed by the laws of the State of Colorado.

Presented: My signature below confirms that all information provided on this Proposal/Work Agreement is current and accurate to date, that I understand and agree with the Terms and Conditions set forth herein and that I sign below of my own free will.

By: Joseph A. Jesik, P.E., Jesik Consulting.

Signature:  Date: 08-11-23

**Consulting Geotechnical and Civil Engineering Fees - Town of Grand Lake,
Colorado - Roadway Engineering Lucy Street (8/11/2023) "NOT TO EXCEED
PRICE"**

Item No.	Units	Unit Price	Quantity	Description	Total Price
Field Testing and Inspections					
	HR	\$140.00	8	Drilling	\$1,120.00
	EA	\$59.00	1	Record Groundwater Levels	\$59.00
	EA	\$29.00	1	Density Testing	\$29.00
Sample Collection and Testing					
	EA	\$90.00	1	Grain Size Analysis	\$90.00
	EA	\$99.00	1	Atterberg Limits	\$99.00
	EA	\$98.00	1	Swell/consolidation potential	\$98.00
	EA	\$17.00	1	Moisture Content	\$17.00
	EA	\$130.00	1	density/moisture relationships (Proctor Test)	\$130.00
	EA	\$42.00	1	Ph	\$42.00
	EA	\$180.00	1	Hydrometer	\$180.00
	EA	\$65.00	1	Water Soluble Sulfate	\$65.00
	EA	\$55.00	1	Chloride Content	\$55.00
	EA	\$175.00	1	Redox and Resistivity	\$175.00
Pavement Cross Section Design					
	EA	\$500.00	1	R-Value/CBR	\$500.00
	EA	\$1,000.00	1	Pavement Cross Section Design	\$1,000.00
	EA	\$1,559.00	1	Soils Report	\$1,559.00
	MILE	\$0.75	406	Mileage (First 20 miles free)	\$304.50
Contingency 15%					\$828.38
Geotechnical Engineering Sub-Total					\$6,350.88
Phase 1 - Design within 2-feet of proposed finished grade					
	LF	\$2.00	712.98	Finished Street Elevation Plan & Profile Sheets	\$1,425.96
	LF	\$0.35	712.98	2-Foot Below Finished Grade Plan & Profile Sheets	\$249.54
Phase 2 - Design to top of sub-base					
	LF	\$0.35	712.98	Top of Sub-Base Elevation Plan & Profile Sheets	\$249.54
Phase 3 - Design line of main for all other utility lines					
	LF	\$0.35	712.98	Top of Sub-Base Elevation Plan & Profile Sheets	\$249.54
Phase 4 - Design to Top of Base Course					
	LF	\$0.35	712.98	Top of Sub-Base Elevation Plan & Profile Sheets	\$249.54
Phase 5 - Design to Top of Finished Asphalt					
	LF	\$0.35	712.98	Top of Asphalt Elevation Plan & Profile Sheets	\$249.54
	LS	\$500.00	1.00	Detailed Grading Plan	\$500.00
Potable Water Main Design					
	LF	\$4.00	700.00	Water Main and appurtenances	\$2,800.00
Sanitary Sewer Design					
	LF	\$4.00	370.00	Sanitary Sewer Main and appurtenances	\$1,480.00
Culvert Crossing Design					
	LF	\$10.00	60.00	Culvert Desing and appurtenances	\$600.00
Stormwater Management					
	HR	\$100.00	8.00	Drainage Report	\$800.00
Contingency 15%					\$1,328.05
Civil Engineering Sub-Total					\$10,181.73
ENGINEERING GRAND TOTAL					\$16,532.60
Surveying					\$5,500.00
Utility Locates					\$1,000.00
PROPOSAL GRAND TOTAL					\$23,032.60

LABORATORY TESTING

AGGREGATE TESTING	Item Number	Standard²	Unit Cost (\$)	TAT¹ (Day)
Moisture Content				1
Particle Size Analysis (gradation)	5.4.4	C136	80	2
% Less Than #200 Sieve	5.4.2	C117	25	2
Specific Gravity and Absorption Fine Aggregate		C128, T84	98	2
Specific Gravity and Absorption Coarse Aggregate		C127, T85	98	2
Dry Rodded Unit Weight & Voids		C29	45	3
Flat or Elongated Particles		CP33	60	1
Organic Impurities		T21	50	2
Fractured Faces		CP45	70	2
Clay Lumps and Friable Particles		C142	70	2
Sulfate or Magnesium Sulfate Soundness		C88	450	14
LA Abrasion Test		C131, C135	185	14
Uncompacted Voids of Fine Aggregate		T304	85	14
Alkali – Silica Reactivity – 3 Specimens – Fine Agg.		C1260, C1567	600	7
Alkali – Silica Reactivity – 3 Specimens – Coarse		C1260, C1567	700	7

CONCRETE and MASONRY	Item Number	Standard²	Unit Cost (\$)	TAT¹
Concrete Cylinder Mold, Include Compressive Strength		C39	22	Specs
Concrete Cylinder Mold, Include High Strength Compressive Strength		C39	28	Specs
Cylinders Cast by Others		C39	28	Specs
CLSM Mold and Strength		D4832	25	Specs
Flexural Strength of Concrete Beams		C78	74	28
Curing, Capping and Compressive Strength of Concrete Cores			49	1
Maturity Data Sensor for External Logger (ea)			100	1
Maturity Calibration Curve			500	5
Maturity Data Logger (Day)			45	1
Relative Humidity Sensors		F2170	100	1
Relative Humidity Logger (Day)		F2170	45	1
Moisture Coupons			35	Specs
Shotcrete Strength			35	Specs
Grout Cubes			34	Specs
Masonry Prism		C1314	80	Specs
Concrete Masonry Unit Strength			40	Specs
CMU Sample Prep (Hr)			65	1
Shotcrete Strength		C1604	22	Specs
Shotcrete Coring and Sample Prep (Hr.)			75	1
ASTM Flexural Test – glass fiber re-enforced Concrete sample prep		C1228-96	175	Specs



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 www.jesik.us

Glass Fiber Reinforced Coupon Breaks	C947	65	Specs
Floor Profiling		80	1
Floor Profiler Equipment (Week)		650	7
Concrete Mix Analysis		2500	21

SOILS	Item Number	Standard ²	Unit Cost (\$)	TAT ¹
Visual Classification/Moisture-Density			59	2
Moisture Content	D2216		17	2
Natural Density	D2166		29	1
Atterberg Limits				
Method A (Multi-point)			99	3
Method B (Single point)			60	3
Particle Size Analysis (Gradation)				
All standard sieves down to #200		D6913, D422	90	2
Percent less than #200, add		D1140	30	1
Hydrometer Analysis, add		D422	180	3
Density/Moisture (Proctor Test)				
Standard Methods A & B		D698	118	2
Standard Method C		D698	118	2
Modified Methods A & B		D1557	130	2
Modified Method C		D1557	130	2
Checkpoint		D698, D1557	60	1
Soil Cement Proctor – Method A		D1633	130	3
Consolidation/Swell				
Free Swell (Swell Pressure)			74	3
Swell/Collapse Potential, 5 Loads		D4546	98	5
Additional Loads, each			19	1
One Dimensional (Time)		D2435		
		Method A	395	10
		Method B	530	10
Unconfined Compressive Strength		D2166	69	4
Direct Shear		D3080	150	14
Permeability				
Falling Head		AS1289.6.7.2	250	8
Constant Head		AS1289.6.7.1	250	5
Triaxial Unconsolidated - Undrained		EM1110-2-1906	180	14
Triaxial Consolidated - Undrained		EM1110-2-1906	400	14
Triaxial Consolidated - Drained		EM1110-2-1906	500	14

Corrosivity

pH	5.1.8P	D1293, D4972, E70	43	2
Chloride	5.1.8C	T291, CP2104	55	2
Water Soluble Sulfates	5.1.8SF	CP2103	65	2
Electrical Conductivity	5.1.8EC	D1125	150	7
Electrical Resistivity (Miller Box)	5.1.8ER	G57	175	7

ASPHALT	Item Number	Standard²	Unit Cost (\$)	TAT¹
Asphalt Binder Content		CP5120	110	1
Asphalt Binder Content with Particle Size Analysis		CP5120	210	1
Asphalt Content Correction Factor		CP5120	350	4
Bulk Specific Gravity and Core Thickness		D1180, D2726	45	4
Max. Theoretical Specific Gravity		D2041	95	2
Marshall Stability, Flow – 3 Specimens		D1559	205	5
Gyratory Stability, - 3 Specimens		CP5115	205	5
Gyratory Specific Gravity, Voids		CP5115	120	2
Hveem Stability		CP5106	375	5
Asphalt Moisture Content		T329	35	1
Micro Deval		D6928	165	5
Ignition Oven Calibration			450	1
Generator and Coring Machine (Hr)			75	1
Modified Lottman		CP5109	425	7
Asphalt Mix Analysis			2,800	21

FIELD TESTING AND INSPECTIONS

Concrete Technicians, hour	C1064, C172	66
- Includes slump, air, temperature, sample pickup, stripping, reporting, density and delivery, molding samples	C143, C138, C231	
- Sample Coupons for ASTM Flexural Test, hour		70
Asphalt/Compaction Technicians, hour		74
- Includes visual inspections, in-place moisture/density tests using a nuclear density gauge, reporting		
Special Inspections, each		224
- Includes up to 2 hours of visual inspections for excavations, footings, piers, perimeter drains, reinforcing steel, masonry, piers. P.E. certified letter, included		
- Hourly or over 2 hours billed in ¼ hour increments		90
- Paint Thickness Test – Non-Destructive - Bill per hour		80
Quality Control Technician – on site for full time observation		72
Floor Flatness (hr.)		75
Post Tension Slab Observations (hr.)		115
Spray Applied Fireproofing (hr.)		95
Anchor Pull Testing, (hr_)		80
Certified Welding Inspector (hr.)		175
Certified Building Inspector (hr.)		125
Certified Fire Stop Inspector (hr.)		95
		0.65
Pile Pull Testing, (hr.) – Equipment provided		125
Auger Drilling, (hr.)		140

MANAGEMENT AND ENGINEERING

Project Manager (PM), Review/Supervision (hr.)	95
Project Engineer/Geologist (PE/PG) (hr.)	105
Senior Project Engineer/Geologist (hr.)	135
Staff/Field Engineer/Geologist (hr.)	88
Senior Project Manager	122
Principal Engineer	145
Overtime – Time and a half for Staff/Field Engineer/Geologist Project and Senior Staff no Overtime Charge	
Clerical, hour	58
Vehicle Mileage Rate, mile (First 25 miles from office free)	0.65
Interest Charged if payment not received with 30 days (monthly)	2%

Notes:

1. TAT = Turn Around Time is typical times to receive results. The TAT is not guaranteed. Please call for an accurate TAT based on current lab work.
2. CP = CDOT Colorado Lab Procedure
3. D and C = American Society of Testing Materials Standards
4. T = AASHTO Standards

General Terms and Conditions:

1. Time is charged portal to portal.
2. Mileage is charged for travel over 25 miles from the office.
3. Fieldwork will include a minimum ½ hour for equipment setup, cleanup, and test reporting.
4. A minimum of 1 hour at the respective hourly rate, plus actual mileage will be charged for late cancelations.
5. Unless the Client requests full-time services, Client understands that services provided by Jesik are on an "On-Call" basis. Client shall assume responsibility for adequate notification and scheduling of Jesik services. Jesik will make every reasonable effort to meet the Client's schedule but will not guarantee service availability without direct confirmation with Client.
6. Client agrees that Jesik shall not be liable for damages resulting from errors, omissions, or negligence, beyond the total fee received by Jesik from Client. In no event shall Jesik be liable for indirect or consequential damages of any kind.
7. Client recognizes that the services provided by Jesik do not carry a warranty or guarantee of any type. While such services may reduce the risk of construction defects, omissions, or deficiencies, it is the Client's responsibility to ensure the quality and completeness of the project in accordance with the applicable plans and specifications.
8. This Price List & General Terms and Conditions shall be submitted by Jesik to Client before any services are performed. Client agrees that any request for services constitutes acceptance of the fees, terms and conditions stated herein, or as otherwise agreed to in writing.
9. Geotechnical testing does not include engineering and/or geologic review and analysis.