

CITY OF LITTLETON
FOURTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT
SANTA FE & MINERAL AVE OPERATIONAL IMPROVEMENTS DESIGN

THIS FOURTH AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT ("Amendment") is entered into by and between **HDR ENGINEERING, INC.** whose business address is PO BOX 3480 Omaha, Nebraska 68103 (the "Contractor") and the **CITY OF LITTLETON, COLORADO** ("City"), a Home Rule municipality of the State of Colorado. The City and the Contractor may be collectively referred to as the "Parties."

RECITALS AND REPRESENTATIONS

WHEREAS, the City and Contractor entered into a certain Professional Services Agreement effective September 22, 2021, as amended on December 12, 2022, March 19, 2024, and October 21, 2024 (collectively, the "Agreement"); and

WHEREAS, the Parties desire to amend the Agreement to extend the time of performance and add scope to support final design.

NOW, THEREFORE, in consideration of the benefits and obligations of this Agreement, the Parties mutually agree as follows:

1. Extension of time: Exhibit A to the Agreement, Section 2, "Time of Performance," is hereby amended to read:
 "Time of Performance. Performance of the Services of the Contractor shall commence on September 30, 2021 and shall be completed, or shall end, by December 31, 2027."
2. Additional Scope/Cost: Contractor shall provide, and the City shall compensate Contractor for, the additional services as described on the attached Scope of Services, **Exhibit B-2**. Exhibit B-2 is incorporated herein. Exhibit A to the Agreement, Section 3.B., "Time and Material", is hereby amended to read:
 "B. Time and Material: The Contractor shall perform the Services described in Exhibit B, Exhibit B-1, and Exhibit B-2 and shall invoice the City for work performed based on the rates and/or compensation methodology described in Exhibit B, Exhibit B-1, and Exhibit B-2. Total compensation (including any and all mobilization costs, other costs, charges, fees, or other expenses that might otherwise be incurred by other contractors and payable as a reimbursable expense) shall not exceed **\$2,751,957.49**. The Contractor shall submit invoices and requests for payment in a form acceptable to the City. Invoices shall not be submitted more often than once each month unless otherwise approved by this Agreement or in writing by the City. Unless otherwise directed or accepted by the City, all invoices shall contain sufficient information to account for all Contractor time (or other appropriate measure(s) of work effort) and all authorized reimbursable expenses for the Services during the stated

period of the invoice. Following receipt of a Contractor's invoice, the City shall promptly review the Contractor's invoice. The City may dispute any Contractor time, reimbursable expense, and/or compensation requested by the Contractor described in any invoice and may request additional information from the Contractor substantiating any and all compensation sought by the Contractor before accepting the invoice. When additional information is requested by the City, the City shall advise the Contractor in writing, identifying the specific item(s) that are in dispute and giving specific reasons for any request for information. The City shall pay the Contractor within forty-five (45) days of the receipt of an invoice for any undisputed charges or, if the City disputes an item or invoice and additional information is requested, within thirty (30) days of acceptance of the item or invoice by the City following receipt of the information requested and resolution of the dispute. To the extent possible, undisputed charges within the same invoice as disputed charges shall be timely paid in accordance with this Agreement. Payment by the City shall be deemed made and completed upon hand delivery to the Contractor or designee of the Contractor or upon deposit of such payment or notice in the U.S. Mail, postage pre-paid, addressed to the Contractor."

3. No other terms and conditions of the Agreement are modified except as provided in this Amendment.

THIS AMENDMENT is executed and made effective as provided above and as of the last dated signature below.

CITY OF LITTLETON, COLORADO

ATTEST

Kyle Schlachter
MAYOR

Colleen Norton
CITY CLERK

APPROVED AS TO FORM:

Reid Betzing
CITY ATTORNEY



CONTRACTOR

R. Bradley Martin, Senior Vice President

Date: _____

Contract ID 3304
Fourth Amendment to Contract ID 1832



SCOPE OF SERVICES

Santa Fe Drive & Mineral Avenue Operational Improvements

September 22, 2025 Addendum #4

Addendum Task Order Requirements

This Addendum to the Scope of Work is to include ongoing Right-of-Way work, Final Design revisions, and Project Management. The addendum also includes new tasks including Utility Coordination, Design Services During Construction, and Public Outreach and Information.

The tasks outlined in this addendum do not overlap with the separate field services contract that includes construction management, construction inspection, and construction administrative services for this project.

The tasks under this addendum include HDR's design staff and subconsultants that have been involved in the design, utility relocations, and public outreach of the project throughout the design phase. This task order is for the HDR design team and subconsultants to continue to support the City through project completion.

Work Duration

These tasks will extend the duration of this contract to December 31, 2027 when the project construction is anticipated to be complete and the signal timing is complete. It is anticipated that this project will be advertised for construction summer 2025 and completed in summer of 2027.

Task 1: Right-of-Way

Addition time and fee are required for continuation of the ROW coordination for the project. There are no changes to the previous scope.

Task 4: Final Design

Additional time and fee are required for potential design changes during construction, and development of signal timing plans. There are no changes to the previous scope.

Task 5: Project Management

Addition time and fee are required for this task is associated with managing and coordinating the project for this addendum. There are no changes to the previous scope.



SCOPE OF SERVICES

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September 22, 2025 Addendum #4

New scope items not anticipated when the project was originally scoped in 2021 include services during the construction phase of the project including:

Task 7: Utility Coordination

In support of the project, HDR will continue to provide utility coordination services to keep this critical task moving forward in coordination with the City, the private developers, and the utility owners to facilitate the major utility relocations. HDR is currently coordinating utility relocation installations by Verizon, Lumen, Comcast, and Xcel. HDR will continue to provide support and utility coordination during construction.

Utility coordination is anticipated between August 2025 through June 2027 for an approximate duration of 24-months. It is anticipated that early utility relocation coordination work will occur between July 2025 and October 2025 for an approximate major relocation coordination duration of 4-months. Major underground construction is anticipated to occur March 2026 through November 2026 for an approximate major construction support duration of 9-months.

Task 7.1 Project Meetings

HDR will continue to provide utility representation at reoccurring and scheduled project meetings.

Tasks 7.1 Deliverables

- Attendance at up to forty (40) virtual project meetings including coordination meetings with the City, utility owners, and developers.
- Documentation and notes from meetings.

Task 7.2 Utility Design Coordination

HDR will continue to provide coordination with the utilities as they refine their designs and permit plans based on the running lines provided in the project plans. HDR will continue to provide guidance to utilities to avoid conflicts between installed utilities and future proposed infrastructure. This task also includes design team support of utilities as they obtain permits and irrigation agreements to avoid delays affecting the project construction schedule.

Task 7.2 Deliverables

- Permitting Exhibits, up to four (4) as required.

Task 7.3 Utility Staking Preparation

This task includes developing exhibits and coordinating with internal staff and software as required to stake relocation routes.



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Task 7.3 Deliverables

- Utility Staking Exhibits up to four (4) as required.

Task 7.4 Utility Relocation Field Staking

This task includes field survey (using GIS equipment) and staking of the proposed utility relocations against existing and proposed conditions.

Task 7.4 Deliverables

- Up to ten (10) Field Staking Site Visits.

Task 7.5 Preconstruction Meeting and Site Walks

HDR will continue to attend preconstruction meetings with utilities to review relocation staking, review the relocation site conditions, and provide installation guidance.

Task 7.5 Deliverables

- Attendance at up to twelve (12) preconstruction meetings.

Task 7.6 Anticipated Contractor Coordination

During construction HDR will assist the City, the Contractor, and utility owners with the interpretation of project plans and specifications. When SUE depiction differs from one-call excavation marks, HDR will review SUE deliverables against field conditions, evaluate and document discrepancies, and provide recommendations for resolution.

HDR will participate in construction progress meetings and assist in construction scheduling by identifying and coordinating utility schedule conflicts or potential delays as requested by the Construction Manager. HDR will work to proactively assist in the resolution of potential utility relocation delays, which may include phone calls, meetings, or field meetings with utility companies and the Contractor. HDR will assist the Construction Manager during review of utility-related Contractor delay claims (should they arise) by developing an understanding of the utility issue generating the delay claim and how it impacts completion dates.

Tasks 7.6

- Attendance at up to twenty (20) construction meetings including progress meeting and issue resolution meetings.
- Documentation and notes from meetings.
- General correspondence with project team and utility owners.



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Task 7.7 Unforeseen Construction Issues

HDR will be available to provide guidance to the utility provider during relocation installation if unforeseen issues arise or if site conditions differ from those expected during previous coordination. This may include limited site visits to investigate issues that may arise. It is assumed this task will require up to 106 hours.

Task 7 Assumptions

- HDR does not have the authority to direct the utility contractors' means and methods. If issues are observed or arise through project communication, HDR will communicate with the utility provider's identified coordination representative.
- HDR is not responsible for the utility contractors' construction schedule or progress during relocation installations. However, HDR will monitor and coordinate relocation installations with the goal of proceeding in an efficient manner.
- HDR is not responsible for the utility contractors' job-site safety.
- HDR is not responsible if utility strikes occur during relocation installation, including but not limited to, those that strikes that occur due to undocumented utilities, incorrect one-call marks, or excavator error.

Task 8: Design Services During Construction

This task is for Construction Design Support for the design support staff from HDR design discipline leads and subconsultants to review contractor submittals, respond to requests for information (RFI's) that are design related, and provide minor plan revisions on an "as-needed" basis during construction.

Attendance at weekly construction meetings, inspection services, and as-constructed drawings are not included in this scope of work. Attendance at weekly construction meetings and inspection services is under a separate contract for field services. It is anticipated the project contractor will provide the as-constructed drawings to the City.

Task 8.1 Review Contractor Submittals and RFI Responses

HDR will review contractor submittals, shop drawings, and respond to design related RFI's.

Task 8.1 Deliverables

- Review up to ten (10) submittals and shop drawings for compliance with conformed bid documents (design drawings and specifications) as required.



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September 22, 2025 Addendum #4

- Provide up to thirty (30) responses to written, design related RFI's and field clarifications for roadway, drainage, traffic, and ITS assuming 4 hours each RFI. HDR will review and respond within one week after receiving a written RFI.

Task 8.2 Design Revisions During Construction

Plan revisions include minor changes to plans due to unknown or changed conditions, but do not include revisions required for major changes of design concepts.

HDR will provide QA and QC checks on revised design drawings and specifications.

Task 8.2 Deliverables

- Provide new or revised design drawings and/or specifications. Assumes up to eight (8) revisions at 24-hours per revision.
- Provide cost estimates for proposed changes.
- Provide Quality Assurance (QA) oversight/ QC documentation.

Task 8.3 Project Coordination and Meetings

HDR will hold up to twelve (12) coordination meetings with the City and stakeholders which may be in person or virtual.

Task 8.3 Deliverables

- Attendance at up to twelve (12) meetings with the City and stakeholders. This assumes up to nine (9) virtual and three (3) in-person meetings.
- Preparation of meeting materials.

Task 8.4 Project Site Visits

HDR will visit the project site as required during construction.

Task 8.4 Deliverables

- It is anticipated that up to five (5) site visits may be required during the duration of the project with two (2) HDR staff.

Additional Design Services During Construction to be provided by subconsultants:

- Lighting (Clanton and Associates) – See attached Scope and Fee
- Geotechnical and Pavement Design (Shannon and Wilson) – See attached Scope and Fee



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Task 9: Public Outreach and Information

HDR will lead the public outreach for the project with assistance from the City during construction. Below are the tasks that are planned to educate residents and stakeholders about the project.

Task 9.1 Public Involvement Plan

HDR will create a public involvement plan that will guide the engagement process and will include key messages, goals/objectives, approval processes, engagement tools, and schedule.

Task 9.1 Deliverables

- One (1) public involvement plan.

Task 9.2 Website Content and Updates

HDR will provide updated project content for the City's web team to post on the project webpage. Website updates (content and graphics, attachments, and other visuals) will be provided by HDR monthly to the City web team while the project is under construction.

Task 9.2 Deliverables

- Up to ten (10) website updates.

Task 9.3 City Council Updates

HDR will develop PPT presentations and/or other materials for the City to provide updates to City Council at City Council meetings, via email, and/or other form of contact. HDR will help present, if needed. This scope of work includes up to two (2) City Council presentations.

Task 9.3 Deliverables

- Up to four (4) city council update materials (PPT presentation, handout or other content) for up to two (2) City Council presentations.

Task 9.4 Promotional Materials

The following materials will be created for the City to use to create project awareness and education.

Task 9.4 Deliverables

- Up to ten (10) social media posts and graphics for the City to post – direct costs will be used for Facebook advertisements and boosts.
- Up to two (2) direct mailers – direct costs will be used to print and be mailed to no more than 2,000 residents per mailer – HDR to handle graphics, printing, and distribution.



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September 22, 2025 Addendum #4

- Up to three (3) press releases – HDR will create content for the City to distribute.
- Up to two (2) paid advertisements in the Littleton Independent newspaper – HDR to handle graphics, placement, and direct costs.
- Up to three (3) eblasts to City's email subscribers – HDR to create content for the City to distribute.
- One (1) comment and contact management Excel sheet.

Task 9.5 Other Graphics

HDR will update and/or create the following materials to be used during the duration of the project.

Task 9.5 Deliverables

- One (1) fact sheet with up to three (3) updates.
- One (1) FAQs document with up to three (3) updates.
- Up to eight (8) infographics.
- One (1) PowerPoint template.
- One (1) Project area map.

Task 9 Assumptions

- No more than three (3) rounds of revisions to materials and plans
- Materials to be provided electronically (excluding in-person meetings and event materials).
- HDR to handle printing and mailing costs for materials to be invoiced.
- City to distribute promotional materials through existing channels (social media, newsletters, email distribution lists, etc.).
- HDR will follow City brand guidelines for public-facing materials.

FEE ESTIMATE - Addendum #4

HDR Labor																					
Project Role		PM	ROW Lead	Utility Lead	Sr. Coordinator	Utility EIT	Surveyor	Roadway Lead	EIT	Drainage and SWMP	ITS	Sr. Traffic	Traffic Lead	Traffic EIT	Public Engagement	Promotional Graphics	Accounting	Administrative	Subtotal Hours by Task	Subtotal Fee by Task	
Staff Name		Jahnke, J	Jamieson, G	Scharra, T	Grant, M	DeLong, S	Adams, G	Velasco, O	Prince, G	Acosta, S	Mancini, A	Millar, D	Baker, G	Green, A	Angell, K	Littlefield, Z	Daley, K	Oravec, K			
Billing Category		Project Manager II	Sr. Project Professional III	Sr. Project Professional II	Sr. Project Professional II	EIT II	Sr. Project Professional I	Project Engineer II	EIT II	Project Manager I	Project Engineer III	Sr. Technical Advisor	Sr. Project Professional I	EIT I	Communication/ Public Outreach Project Lead	Communication/ Public Outreach, Graphic Artist	Project Controller II	Administrative II			
Billing Rate		\$251.00	\$276.00	\$239.00	\$239.00	\$140.00	\$205.00	\$188.00	\$140.00	\$236.00	\$212.00	\$300.00	\$205.00	\$120.00	\$191.00	\$126.00	\$130.00	\$102.00			
1	Right of Way	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.00	\$6,900.00	
1.1	ROW Coordination		25																25.00	\$6,900.00	
4	Final Design	82	0	0	0	0	0	100	0	0	0	8	24	68	0	0	0	0	282.00	\$39,382.00	
4.1	Finalize the AD Plans and AD Specifications	82						100											182.00	\$39,382.00	
4.2	Data Collection and Review for Signal Timing													12					12.00	\$1,440.00	
4.3	Develop Base Timing Inputs for Signal Timing											8	10	14					32.00	\$6,130.00	
4.4	Operations/Coordination Analysis for Signal Timing												10	32					42.00	\$5,890.00	
4.5	Signal Timing Plans and Data												4	10					14.00	\$2,020.00	
5	Project Management	225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	14	311.00	\$67,263.00	
5.1	Project Management and Administration	225																	225.00	\$56,475.00	
5.2	Project Setup and Monthly Invoicing																72	14	86.00	\$10,788.00	
7	Utility Coordination	0	0	288	80	80	60	0	0	0	0	0	0	0	0	0	0	0	508.00	\$111,452.00	
7.1	Project Meetings (Utilities, Developer, and City)			40	24														64.00	\$15,296.00	
7.2	Utility Design Coordination			40	32	8													80.00	\$18,328.00	
7.3	Utility Relocation Staking Preparation			12		16	15												43.00	\$8,183.00	
7.4	Utility Relocation Field Staking			24		16	15												55.00	\$11,051.00	
7.5	Preconstruction Meeting and Site Walks			24	24														48.00	\$11,472.00	
7.6	Anticipated Contractor Coordination			80		24	30												134.00	\$28,630.00	
7.7	Unforeseen Construction Issues			68		16													84.00	\$18,492.00	
8	Design Services During Construction	102	0	0	0	0	0	134	48	48	30	4	42	0	0	0	0	0	408.00	\$85,012.00	
8.1	Review Contractor Submittals and RFI Responses	40						46		20	20		20						146.00	\$31,748.00	
8.2	Design Revisions During Construction	30						80	40	20	10		14						194.00	\$37,880.00	
8.3	Project Coordination	24																	24.00	\$6,024.00	
8.4	Site Visits	8						8	8	8		4	8						44.00	\$9,360.00	
9	Public Outreach and Information	24	0	0	0	0	0	0	20	0	0	0	0	0	100	106	0	0	250.00	\$41,280.00	
9.1	Public Involvement Plan	2													14				16.00	\$3,176.00	
9.2	Website Content and Updates	4													24	18			46.00	\$7,856.00	
9.3	City Council Updates	10													14	8			32.00	\$6,192.00	
9.4	Promotional Materials	6							10						24	40			80.00	\$12,530.00	
9.5	Other Graphics	2							10						24	40			76.00	\$11,526.00	
Total HDR Labor Hours		433.00	25.00	288.00	80.00	80.00	60.00	234.00	68.00	48.00	30.00	12.00	66.00	68.00	100.00	106.00	72.00	14.00	1784.00		
Total HDR Labor Fee		\$108,683.00	\$6,900.00	\$68,832.00	\$19,120.00	\$11,200.00	\$12,300.00	\$43,992.00	\$9,520.00	\$11,328.00	\$6,360.00	\$3,600.00	\$13,530.00	\$8,160.00	\$19,100.00	\$13,356.00	\$9,360.00	\$1,428.00		\$366,769.00	
Direct Expenses																					\$56,520.00
Mailers																					\$5,000.00
Mileage																					\$1,500.00
Equipment Operating Costs - Survey GIS Rover (10 days)																					\$2,190.00
Equipment Operating Costs - Utility Locator (10 days)																					\$660.00
Miscellaneous Field Supplies																					\$500.00
Clanton - Subconsultant																					\$22,240.00
Shannon and Wilson - Subconsultant																					\$24,430.00
TOTAL PROJECT FEE																					\$423,289.00

Date: May 2, 2025

Janelle Jahnke

HDR

1670 Broadway St, Suite 3400

Denver, CO 80202

T. 303-318-6355 | M. 720-244-0315 | janelle.jahnke@hdrinc.com

Re: Santa Fe & Mineral

Lighting and Electrical Design Services During Construction Proposal

Clanton Project #22072

Clanton and Associates proposes to undertake the lighting and electrical design services during construction for the Santa Fe & Mineral project in Littleton, CO.

Estimated labor: \$ 21,990

Estimated expenses: \$ 250

Total Fee (labor and expenses): \$ 22,240

The scope of work includes:

1. Design services during construction for the lighting and electrical along:
 - a. Platte River Pkwy from Roundabout to Mineral Ave
 - b. Platte River Pkwy to East of Mineral Ave
 - c. Santa Fe Dr from Dad Clark Gulch to North of Mineral Ave
 - d. Nichols Ave from Santa Fe Dr to Platte River Pkwy
 - e. Roundabout at Nichols Ave & Platte River Pkwy
 - f. Mineral Ave from Santa Fe Dr to West of Platte River Pkwy

Assumptions

- All electrical services will be owned and maintained by Xcel Energy.

Fees are billed hourly not to exceed the contract amount without prior approval. Invoicing will occur monthly based on hours worked.

Design services shall include the following:

Design Services During Construction (DSDC)

- Up to one (1) plan revision
- Up to one (1) background update
- Review lighting equipment submittals (up to two (2) reviews included)
- Review electrical equipment submittals (up to three (3) reviews included)
- Attend up to two (2) site visits to review construction progress (2 people, 4 hrs each)
- Respond to RFIs, up to ten (10) RFIs

Project Management

- Team coordination, up to six (6) meetings
- Monthly invoices with progress reports

This scope of work is based upon normal project progress and within the time schedule agreed upon, without major redesign or change order work. Additional fees will be required if project timing is extended or project is put on hold and restarted at later date. If the project timing exceeds one year, additional services rates may increase.

The scope is based on documents sent on 4/22/2025.

Not included in this scope of work but is available for extra services:

- Additional site visits or meetings
- Development or issuing of electric utility work order forms, applications, and/or meter address applications
- Temporary Lighting
- Lighting or Electrical engineering redesign
- Electrical engineering for non-lighting electrical infrastructure (e.g. ITS equipment, electrical vehicle (EV) infrastructure, electrical receptacles, smart city and/or small cell infrastructure).
- Any development, design, or detailing of custom luminaires
- Drafting on non-digital backgrounds such as *.pdf or *.jpg files
- Value engineering
- Coordination during bid phase
- Client presentations
- Renderings
- Mock-ups
- Art lighting or development of light art

Specific exclusions from this scope are as follows:

- Structural engineering
- Equipment procurement
- Commissioning
- Survey control map or Right-of-Way plans
- Subsurface Utility Engineering
- Communication wiring to Traffic Signals

Client will supply Clanton and Associates with review materials and backgrounds in AutoCAD or Micro Station format. Reimbursable expenses shall include printing costs, overnight delivery and travel expenses associated with the project and shall be charged in addition to the compensation

for professional services. Payment for services is expected within 30 days of invoice unless other arrangements are made in writing.

Work shall commence upon receipt of a signed copy of this agreement. This agreement is valid for 60 days.



CLANTON & ASSOCIATES

5/7/2025

DATE

HDR

DATE

Clanton & Associates – 2025 Titles & Rates

Title	Hourly Rates
President	\$ 365
Principal	\$ 300
Director of Operations	\$ 255
Chief Executive Officer	\$ 365
Controller	\$ 135
Marketing Manager	\$ 115
Office Manager	\$ 115
CADD Technician I	\$ 125
CADD Technician II	\$ 130
Senior CADD Technician	\$ 140
Associate CADD	\$ 150
Production Manager	\$ 230
Intern	\$ 120
Design Engineer	\$ 155
Engineer	\$ 170
Project Engineer	\$ 180
Senior Project Engineer	\$ 205
Associate Engineer	\$ 230
Senior Associate Engineer	\$ 245
Senior Electrical Specialist	\$ 245
Assistant Designer	\$ 150
Designer	\$ 160
Project Designer	\$ 170
Senior Project Designer	\$ 190
Associate Designer	\$ 230
Senior Associate Designer	\$ 245
Senior Lighting Specialist	\$ 245
Assistant Lighting Planner	\$ 150
Lighting Planner	\$ 160
Project Lighting Planner	\$ 170
Senior Lighting Planner	\$ 190
Associate Lighting Planner	\$ 230
Senior Associate Lighting Planner	\$ 245
Senior Planning & Policy Manager	\$ 245
Senior Lighting Expert	\$ 410

DESIGN SERVICES DURING CONSTRUCTION SCOPE OF WORK SANTA FE DR. & MINERAL AVE. INTERSECTION LITTLETON, COLORADO

Services to be Performed by Shannon & Wilson

Shannon & Wilson's (SW) scope of work will include the following design services during construction (DSDC):

- *Request for Information (RFI) Response* – As requested, SW will assist with the team in preparing responses to up to 10 RFIs. We have assumed up to 8 hours of per RFI is required.
- *Site Visits* – Two on-site meetings to resolve construction related RFIs. SW will complete a daily report with site photographs documenting discussions and construction related issues observed. We have assumed up to 6 hours per site visit including the report preparation time.
- *Miscellaneous Team Design Support and Meetings* – We have included a total of 24 hours to provide miscellaneous support to the project team and to attend team meetings.
- *Reviewing Paving Material Submittals* – We have included a total of 6 hours to for reviewing the Contractor's PCC and HMA mix design submittals.

Assumptions

We made the following assumptions in preparing this proposal:

- A supplemental geotechnical investigation will not be completed by SW.
- Deliverables for RFIs will be email correspondence or a memorandum format. A design letter or report is not required.
- Reissuing our September 19, 2023 design report is not required.
- Materials testing and inspection services are not included with this proposal.
- It is difficult to estimate the level of effort required for post-design services, as these services depend on your needs, the construction schedule, the rate of progress, the competency and skill of the Contractor, soil/rock conditions exposed during construction and weather, which are beyond our control. Additional effort may be required.
- Revisions to plans and preparation of as-built plans are excluded.



- We assume our work will be completed during the calendar year 2025 on a time-and-materials basis in accordance with the provided fee estimate and fee schedule. At the end of each fiscal year (December 31), rates will be adjusted for the next fiscal year.

DESIGN SERVICE DURING CONSTRUCTION SCOPE OF WORK
SANTA FE DR. MINERAL AVE. INTERSECTION
LITTLETON, COLORADO

SHANNON & WILSON, INC.

TASKS/SUBTASKS	HOURS							DOLLARS						SUB TOTAL	ODC	TOTAL
	PIC	PM	GEO	ENG	CAD/TECH	CLR	Total	PIC	PM	GEO	ENG	CAD/TECH	CLR			
								\$290	\$220	\$130	\$150	\$130	\$140			
<i>Post Design Services</i>																
1. RFI Response (Up to 10 RFIs)		20.0		60.0			80.0		\$4,400		\$9,000			\$13,400		\$13,400
2. Misc. Design Support & Meetings	4.0	20.0					24.0	\$1,160	\$4,400					\$5,560		\$5,560
3. Site Visit (2 assumed)		4.0		8.0			12.0		\$880		\$1,200			\$2,080	\$70	\$2,150
4. Reviewing Paving Material Submittals		6.0					6.0		\$1,320					\$1,320		\$1,320
5 PM		4.0				8.0	12.0		\$880				\$1,120	\$2,000		\$2,000
TOTAL	4.0	54.0		68.0		8.0	134.0	\$1,160	\$11,880		\$10,200		\$1,120	\$24,360	\$70	\$24,430

Other Expenses				
Pavement M-E Software License Fee	-	LS	\$500	\$ -
Vehicle	2	day	\$35	\$ 70
Sample Jars	-	box	\$20	\$ -
Field/Office Expenses	-	LS	\$250	\$ -
TOTAL				\$ 70

POST DESIGN SERVICES - SUMMARY					
Labor				\$	24,430
Subcontractors (None)				\$	-
Other Expenses (None)				\$	-
SUBTOTAL					\$24,430

2025 FEE SCHEDULE – DENVER OFFICE

Fees for Professional Services

Classification Title	Regular Rate per hour	Overtime Rate per hour
Officers / Associates		
President / Senior Vice President	\$340.00	
Vice President	\$290.00	
Senior Associate	\$245.00	
Associate	\$220.00	
Engineering / Geology / Hydrology / Environmental		
Senior Professional III	\$190.00	
Senior Professional II	\$175.00	
Senior Professional I	\$150.00	
Professional IV	\$140.00	
Professional III	\$130.00	
Professional II	\$115.00	
Professional I	\$105.00	
Field and Lab Technician		
Senior Technical Services	\$130.00	\$150.00
Technical Services IV	\$120.00	\$140.00
Technical Services III	\$110.00	\$130.00
Technical Services II	\$95.00	\$110.00
Technical Services I	\$85.00	\$100.00
Drafting and Administrative		
Senior Drafter	\$150.00	\$170.00
Drafter (IV, III)	\$130.00	\$150.00
Drafter (II, I)	\$110.00	\$130.00
Office Services (Senior, V)	\$140.00	\$160.00
Office Services (IV, III)	\$110.00	\$130.00
Office Services (II, I)	\$95.00	\$110.00
Special Services		
Senior Consultant	<i>as quoted</i>	
Consultant	<i>as quoted</i>	
Instrumentation Specialist	\$175.00	

Expert Testimony

Hourly rates will be doubled for time spent actually providing expert testimony in court or depositions.

Subconsultants, Subcontractors, and Reimbursable Expenses

Expenses other than salary costs that are directly attributable to our professional services will be invoiced at our cost plus 15%. Examples include, but are not limited to, expenses for subconsultants and subcontractors, out-of-town travel and living, information processing equipment, instrumentation and field equipment rental, special fees and permits, premiums for additional or special insurance where required, telecommunication charges, local mileage and parking, use of rental vehicles, taxi, reproduction, local and out-of-town delivery service, express mail, photographs, laboratory equipment fees, shipping charges, and supplies.

These rates are for services provided for the current fiscal year (FY). At the end of each FY (December 31), rates will be adjusted for the next FY and invoiced accordingly.

Equipment, Sample Storage, and Laboratory Testing

Field Equipment	Rates			
	each	per day	per week	per month
Nuclear Density Gauge		\$40.00		
Vehicle (25 miles or less from S&W office)		\$35.00		
Vehicle (on call basis or over 25 miles from office)		<i>per federal mileage rate</i>		
Sample Jars (16 oz)		\$2.50 each (\$55.00 per box of 24)		
Brass Tubes	\$9.00			
Hand Boring Kit		\$60.00		
Large Plastic Bags	\$1.00			
Resistivity Meter		\$85.00		
Generator		\$60.00		
Water Level Indicator		\$35.00	\$60.00	\$180.00
Vibrating Wire Piezometer (VWP) Readout		\$35.00	\$60.00	\$180.00
Submersible Water Level Datalogger		\$70.00	\$175.00	\$525.00
Downhole Barometric Pressure Datalogger		<i>included with Water Level Datalogger Rental</i>		
Single-Channel VWP Datalogger		\$70.00	\$175.00	\$525.00
Inclinometer Probe and Readout		\$115.00	\$450.00	\$1,350.00
Sondex Extensometer Readout		\$55.00	\$210.00	\$650.00
DJI Phantom 4 UAV		\$180.00		
EOS Arrow 100 GPS Unit		\$60.00		
Starlink Satellite Field Internet Access		\$15.00	\$50.00	\$180.00
Double-Ring Infiltrometer		\$175.00	\$500.00	\$1,500.00

Sample Storage	Rate per month
<i>(After completion of report for studies or first month for testing)</i>	
Minimum Storage Fee	\$30.00
Each Box or Tube	\$5.00
Each Bag/Bucket Sample	\$10.00

Laboratory Testing	each
Soil, Rock, and Aggregate Testing	
Classification	
Description and Identification of Soils, Visual-Manual Procedure (ASTM D 2488)	\$12.00
Water Content by Oven (ASTM D 2216)	\$12.00
Unit Weight of Extruded Tube Sample (ASTM D 2937)	\$35.00
Atterberg Limits	
Liquid Limit, Plastic Limit, and Plasticity Index (ASTM D 4318)	
One-Point Method	\$120.00
Three-Point Method	\$145.00
Particle-Size Analysis	
Sieve Analysis Only (ASTM D 6913)	\$135.00
Combined Analysis (ASTM D 422) (Hydrometer analysis on material finer than No. 10 Sieve unless otherwise specified)	\$260.00
Soil Material Finer than No. 200 Sieve (ASTM D 1140)	\$70.00
Surcharge for Split Sieve Gradation	\$30.00

Laboratory Testing		each
Soil, Rock, and Aggregate Testing (continued)		
Sieve Analysis Surcharges for Large Particle Sizes		
1.5- to 3-inch maximum size		\$32.00
Greater than 3-inch maximum size	<i>Hourly Technician Rate</i>	
Aggregate Sieve Analysis (ASTM C 136 and C 117)		\$145.00
Aggregate Sieve Analysis – Fines exceeding 15%		\$165.00
Moisture Density Relationship of Soils		
ASTM D 698, Standard Proctor		
Method A & B		\$270.00
Method C		\$295.00
One-Point Check		\$105.00
ASTM D 1557, Modified Proctor		
Method A & B		\$290.00
Method C		\$330.00
One-Point Check		\$110.00
<i>Preparation of cohesive soil samples will be charged at hourly staff rates.</i>		
Miscellaneous Soil Tests		
Specific Gravity and Absorption (coarse aggregate) (ASTM C 127)		\$100.00
Specific Gravity and Absorption (fine aggregate) (ASTM C 128)		\$160.00
Sand Equivalency Value (ASTM D 2419)		\$115.00
One-Dimensional Swell Test (ASTM D 4546)		\$140.00
One-Dimensional Swell Test – Additional Reload Increments (per point)		\$20.00
Sulfate Analysis		\$70.00
pH Test		\$70.00
Chloride Analysis		\$70.00
Resistivity Test (Lab)		\$70.00
Corrosion Suite		\$250.00
R-Value Test		\$550.00
Unconfined Compressive Strength of Rock (peak only)		\$185.00
Unconfined Compressive Strength of Soil (ASTM D 2166)		\$165.00
Point Load Test (per break)		\$60.00

Concrete, Masonry, and Asphalt Testing		each
Concrete		
Compression Test – Cylinder		\$28.00
Core Compression Test		\$105.00
CLSM Cylinder		\$31.00
Masonry		
Mortar Compression Test		\$26.00
Grout Compression Test		\$52.00
CMU Prism Compression Test		\$205.00
Asphalt		
Core Density and Thickness		\$60.00
Asphalt Ignition with Gradation		\$240.00
Asphalt Ignition w/o Gradation		\$125.00
Theoretical Maximum Specific Gravity		\$125.00
Volumetric Testing		\$445.00
Asphalt Core Rig		\$100.00/day
Each Core		\$9.00

Please call for rates for specific projects, nonstandard testing procedures, or for testing not listed above.