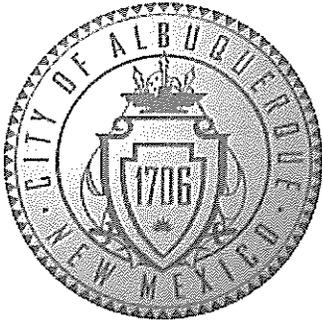


EC-25-521



CITY OF ALBUQUERQUE
Albuquerque, New Mexico
Office of the Mayor

Mayor Timothy M. Keller

INTER-OFFICE MEMORANDUM

DATE: October 6, 2025

TO: Brook Bassan, President, City Council
FROM: Timothy M. Keller, Mayor 
SUBJECT: Mayor's Recommendation of City Wide On-Call Engineering Services for Transportation and Storm Drainage Projects

The Selection Advisory Committee met via Zoom on August 20, 2025, to consider the following project:

Project: Project No. 0138.02; City Wide On-Call Engineering Services for Transportation and Storm Drainage Projects

Agency: Department of Municipal Development

Project Description: The scope of work may include miscellaneous transportation engineering and storm drainage design and consultation on a variety of projects throughout the city. This includes: but is not limited to, studies and reports, surveying, testing, public meetings, street/landscape design, traffic engineering, hydrology projects, bicycle facility design, construction management, preparation of plans, specifications, estimates, and construction contract documents as well as other tasks.

The Committee made the following recommendations for City Wide On-call Engineering Services for Transportation and Storm Drainage Projects:

Bohannan Huston	244
Horrocks	250
Molzen-Corbin	253

The Cover Analysis, Score-Sheet Compilation and Minutes of the SAC Meeting are attached.

Therefore, in accordance with Section 14-7-2-1 et seq, ROA 1994, the following is my consultant selection recommendations regarding the procurement of professional services for the above listed project:

Bohannan Huston
Horrocks
Molzen-Corbin

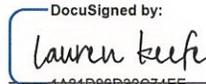
Mayor's Recommendation of Horrocks, Molzen-Corbin, and Bohannon Huston for On-Call Engineering Services (Transportation and Storm Drainage)

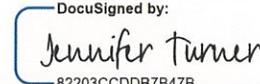
This recommendation is being forwarded to City Council for consideration and action.

Approved:

Approved as to Legal Form:

 10/10/25
Samantha Sengel, EdD Date
Chief Administrative Officer

DocuSigned by:
 10/8/2025 | 10:58 PM MDT
1A21D96D932C74EE...
Lauren Keefe Date
City Attorney

Initial Recommended: Initial
 DocuSigned by: 
 10/8/2025 | 1:29 PM MDT
82203CCDDB7B47B...
Jennifer Turner, Director Date
Department of Municipal Development

Attachments:

- Cover Analysis
- Composite SAC Evaluation Form
- Minutes of the SAC Meeting

Cover Analysis

1. What is it?

This executive communication submits the Mayor's recommendation for three consultants to provide a City-wide on-call Engineering Services (Transportation and Storm Drainage).

2. What will this piece of legislation do?

If this recommendation is approved, it will provide City Departments with access to professional engineering services as needed.

3. Why is this project needed?

It will enable City Departments to quickly access professional services for projects.

4. How much will it cost and what is the funding source?

There is no cap on the agreement. Funding sources will be local, state and federal depending on project type.

5. Is there a revenue source associated with this contract? If so, what level of income is projected?

N/A

6. What will happen if the project is not approved?

City Departments will not have access to engineering services for transportation and storm drainage projects.

7. Is this service already provided by another entity?

No, this service is not already provided by another entity.

FISCAL IMPACT ANALYSIS

TITLE: 138.02 - City-wide On-Call Engineering Services (Transportation and Storm Drainage)

R: _____ O: _____
 FUND: _____
 DEPT: _____

- No measurable fiscal impact is anticipated, i.e., no impact on fund balance over and above existing appropriations.
- (If Applicable) The estimated fiscal impact (defined as impact over and above existing appropriations) of this legislation is as follows:

	2025	Fiscal Years 2026	2027	Total
Base Salary/Wages				-
Fringe Benefits at				-
Subtotal Personnel	-	-	-	-
Operating Expenses				-
Property				-
Indirect Costs	-	-	-	-
Total Expenses	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> Estimated revenues not affected				
<input type="checkbox"/> Estimated revenue impact				
Revenue from program				0
Amount of Grant		-	-	
City Cash Match				
City Inkind Match				
City IDOH				
Total Revenue	\$ -	\$ -	\$ -	\$ -

These estimates do not include any adjustment for inflation.

* Range if not easily quantifiable.

Number of Positions created

COMMENTS:

COMMENTS ON NON-MONETARY IMPACTS TO COMMUNITY/CITY GOVERNMENT:

PREPARED BY:

DocuSigned by:
Christina Owens 10/8/2025 | 12:03 PM MDT
 FISCAL ANALYST

APPROVED BY:

DocuSigned by:
Jennifer Turner 10/8/2025 | 1:29 PM MDT
 DIRECTOR

REVIEWED BY:

DocuSigned by:
Christine Ching 10/8/2025 | 1:32 PM MDT
 EXECUTIVE BUDGET ANALYST

DocuSigned by:

Lawrence Davis 10/8/2025 | 1:35 PM MDT
 BUDGET OFFICER

Signed by:

Christine Bourner 10/8/2025 | 2:55 PM MDT
 CITY ECONOMIST

SAC Meeting scores recorded by Christella Armijo

Project No: 138.02; City Wide On-Call Engineering Services (Transportation and Storm Drainage)

SAC Meeting date and time: 08/20/2025, 10:00 am

Number of respondents: 7

	Smith Engineering	Bohannan Huston	Community Design Solutions	HDR	Horrocks	Molzen Corbin	SMA
Member 1	90	85	79	69	84	69	74
Member 2	75	81	72	74	82	87	75
Member 3	79	80	71	82	84	83	75
Member 4	77	63	71	81	82	89	76
Member 5	86	83	81	85	87	83	85
Total after min & max scores removed:	242	244	222	237	250	253	226
<i>add "1" for ties, to respondent having highest score dropped</i>							
Total after ties	242	244	222	237	250	253	226
<i>add "1" if still ties, to respondent having lowest score dropped</i>							
Total after ties	242	244	222	237	250	253	226

Minutes of the Meeting
of the
Selection Advisory Committee
August 20, 2025
10:00 – 10:20 am

**City Wide On-Call Engineering Services for Transportation and Storm
Drainage**

Project No: 138.02

Present:

Jerry Francis, City Architect, DMD
Curtis Cherne, P.E.
Eric Michalski, P.E.
Jorge Gonzales
Stacy Herrera

Staff:

Christella Armijo, Administrator, Selection Advisory Committee

Seven proposals were received in response to the Request for Proposals.

Project Description:

To provide engineering services for miscellaneous transportation engineering and storm drainage design and consultation on a variety of projects throughout the city. This includes, but is not limited to studies and reports, surveying, testing, public meetings, street/landscape design, traffic engineering, hydrology projects, bicycle facility design, construction management, preparation of plans, specifications, estimates, and construction documents as well as other tasks.

Estimated Compensation

No cap compensation

The Administrator contacted the SAC Committee and advised them that this meeting would take place via Zoom on August 20, 2025.

The Administrator collected the Committee members' scores and deleted the high score and low score and then totaled the proposal scores. The Committee and respondents were advised of the final scores and the Administrator asked the Committee if there was a motion for interviews; no motion was made.

The Administrator verified the scores prior to submitting the Committee's recommendation to the Mayor.

Final scores reported via the Zoom meeting were as follows:

Smith Engineering	242
Bohannon Huston	244
Community Design Solutions	222
HDR	237
Horrocks	250
Molzen-Corbin	253
SMA	226

The Administrator informed the Committee of the following ranking of the firms based on their scores and subject to verification of Total Final Points:

Horrocks	250
Molzen-Corbin	253
Bohannon Huston	244

There being no further business before the Committee, the Administrator adjourned the meeting at 10:30 am on 08/20/2025.

Christella Armijo

Administrator
Selection Advisory Committee

cc: City Clerk

SUBMITTED TO:

**ONE
ALBUQUE
RQUE**

city of albuquerque

JULY 9, 2025 | 3:00 PM

**CITYWIDE ON-CALL
ENGINEERING SERVICES FOR
TRANSPORTATION AND
STORM DRAINAGE**

PROJECT NUMBER: 138.02

SUBMITTED BY:

Bohannan  Huston
great people *supporting* great communities

July 9, 2025

City of Albuquerque
Selection Advisory Committee

Re: Citywide On-Call Engineering Services for Transportation and Storm Drainage | Project Number: 138.02

Dear Ms. Armijo and Members of the Selection Advisory Committee:

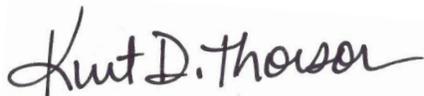
The City of Albuquerque has long taken advantage of on-call contracting to enable its staff to access specialized services from the consulting community to help bring projects to fruition. We are proud to say Bohannon Huston, Inc., (BHI) has been among the City's most-trusted engineering consultants for providing on-call services ever since the City started using on-call contracts. Emphasizing quick response, attentive project coordination, effective task order management, and innovative solutions, the City has fully utilized BHI's most recent on-call contracts, and we are prepared to assist you again under this Transportation & Storm Drainage on-call.

As you consider the qualifications of the many engineering firms who have responded to this RFP, we hope you will consider the following aspects of the BHI team that set us apart from the pack:

- **Locally Owned, Locally Grown Commitment:** BHI was founded in Albuquerque in 1959, and has been committed to serving our city and state for over 66 years and counting. Headquartered in Albuquerque, BHI employs 195 personnel who live in the greater metro area. The people you will be working with on this contract are members of your community, with a personal stake in delivering quality projects in a cost-effective manner. We raise our families here, we pay our taxes here, and we invest in our community here. When we work for the City, we are working for our home.
- **Record of Responsiveness:** As mentioned above, the City has been able to procure numerous task orders through on-call contracts with the BHI team in the past. Our highly qualified team has been available to quickly respond to the City's needs and provide top-quality service for every task order in a short period of time. You can count on us to turn around quick responses to task order requests with an accurate scope and fee, as well as be a team that has the necessary capacity to work on your projects right away.
- **Concept-to-Complete Services:** Few firms can match both the depth of locally based personnel and the breadth of locally-provided services that BHI offers the City. Our Albuquerque staff members provide you with expertise at any stage of your potential projects, from concept development and initial spatial data collection, to studies and strategic plans, to preliminary and final design, to bidding support and construction management services. When you need support at any stage of your project, BHI has people right down the street who can come to your office, roll up our sleeves, and work with you to guide your project to reality.

BHI has a proven track record of working with the City, and we are eager to partner with you again on this Citywide On-Call Engineering Services for Transportation and Storm Drainage contract and continue to grow our relationship with you. If you have any questions, please feel free to contact me. BHI acknowledges there have been no addenda to this RFP.

Sincerely,



Kurt Thorson, PE
Principal-in-Charge
(505) 823-1000 | kthorson@bhinc.com

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I. GENERAL INFORMATION

The people at Bohannon Huston, Inc., (BHI) have supported our communities’ infrastructure needs since 1959. Within BHI’s diverse company structure, our clients find the integrated services under one roof to support all their infrastructure needs, including planning, engineering, surveying and mapping, and construction phase services. We take pride in the work we do, the clients we serve, and the people who are the heart of our company. Building long-lasting partnerships, we know we can make a difference for the wonderful places we call home. That, in a nutshell, is who we are and what we do: **great people supporting great communities.**

1. FIRM CONTACT INFORMATION

Name, Address, Phone Date Firm was Established

Bohannon Huston, Inc. 7500 Jefferson St. NE 505.823.1000	July 20, 1959
--	---------------

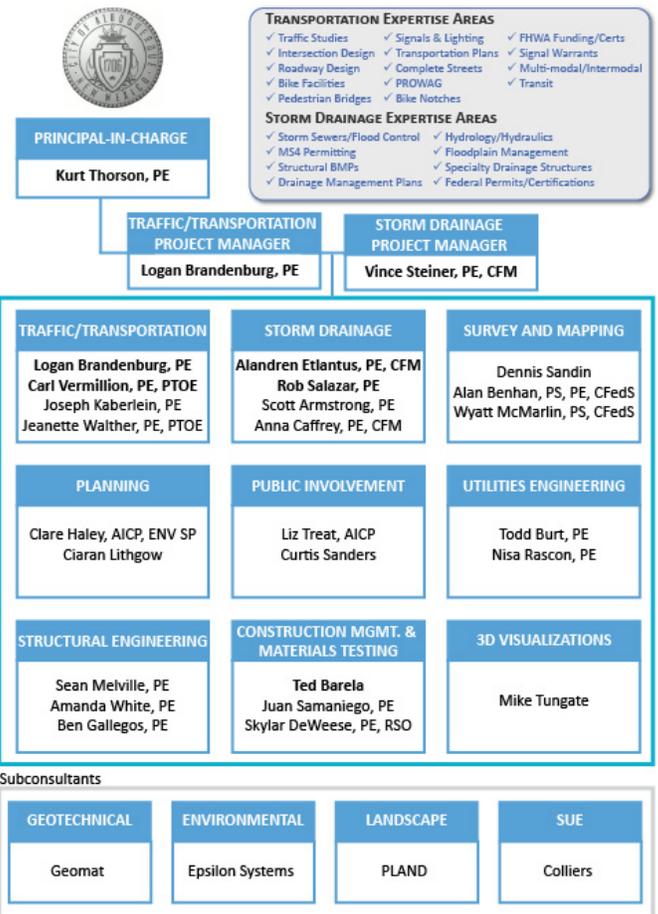
2. FIRM EMPLOYEE INFORMATION

<i>Name</i>	<i>Role</i>	<i>License Number</i>
<i>Kurt Thorson, PE</i>	Principal-in-Charge	NM PE #13310
<i>Logan Brandenburg, PE</i>	Traffic/Transportation Project Manager	NM PE #23908
<i>Vincent Steiner, PE, CFM</i>	Storm Drainage Project Manager	NM PE #24319; CFM #NM-17-00407

BHI currently employs 278 people across our 4 offices in Albuquerque, Las Cruces, Denver (CO), and Grand Junction (CO)

3. LOCATION FOR WORK PERFORMED

BHI’s services will be performed from our Albuquerque office. Subconsultant services listed will be provided from their New Mexico offices.



II. PROJECT TEAM MEMBERS

1. ORGANIZATION PLAN FOR PROJECT MANAGEMENT

BHI is a nationally recognized service provider for both public and private sectors in the areas of engineering, planning, spatial data, and construction phase services. Our diverse staff and service offerings allow us to provide the City of Albuquerque with the on-call expertise you need across all facets of transportation and storm drainage engineering. Headquartered in Albuquerque, where 195 people work out of our local office, all the team members you’ll see on this contract are located in one location right here in town. To the right is an organization chart that illustrates the deep staffing capacity BHI offers the City to meet all your potential on-call task order needs.

We understand the need for rapid response to your on-call task orders, and we are motivated to continue providing timely responses as well as creative problem solving and real-time solutions to the challenges you face. In this

Bolded Names = Key Personnel

proposal, you will see that we have placed one of our most experienced project leaders, Kurt Thorson, PE, in the role of Principal-in-Charge. Kurt is very familiar with the City and its operations, has worked closely with City Project Managers on numerous past contracts, and has successfully managed City on-call contracts, developing numerous task orders for the City in recent years. We also hold countless on-call contracts with other surrounding agencies like NMDOT, MRGCD, City of Belen, and Bernalillo County.

2. CONSULTANT TEAM

Due to our broad resources in multiple disciplines, BHI can provide most requested services using our in-house staff, located at our Albuquerque office. We have enlisted trusted subconsultants to provide specialty services for landscape design (Pland Collaborative), environmental services (Epsilon Systems), SUE (Colliers), and geotechnical services (Geomat). These consultants have worked extensively with the City of Albuquerque over many years on a wide range of project types. These firms are familiar with the City’s design preferences and standards.

3. TEAM MEMBER QUALIFICATIONS

Our well-trained professionals offer detailed knowledge in all aspects of the engineering field and bring a range of experience levels, as highlighted below. Our senior staff members bring decades of knowledge to the table, and their expertise is complemented by younger and newer personnel who bring fresh perspectives and innovative ideas to our project work. Bringing individuals with differing experience levels together on our project teams provides the City with the best of both worlds: tried-and-true + fresh-and-new! We look forward to coordinating with City Project Managers and Technical Staff to help us all develop the best solutions to your on-call engineering needs.

Name	Expertise	Yrs. Exp.	Education		Registration					Key Affiliations	
			MS/MA	BS/BA	PE	PS	PTOE	CFM	Other		
Kurt Thorson	PIC	30+		◆	◆						ITE, ASCE
Logan Brandenburg	Transportation	16		◆	◆						ITE, ASCE
Alandren Etlantus	Drainage	18	◆	◆	◆			◆			AWRA, NMSPE, SWE, NMFMA
Joseph Kaberlein	Transportation	6	◆	◆	◆						
Carl Vermillion	Transportation	9		◆	◆		◆				ASCE, ITE
Jeanette Walther	Transportation	30+	◆	◆	◆		◆				ASCE, TPCB, ITE
Scott Armstrong	Drainage	30+	◆	◆	◆						ASCE, ASDSO
Anna Caffrey	Drainage	21		◆	◆			◆			ASCE, NMFMA, ASFM
Rob Salazar	Drainage	6	◆	◆	◆						Arid LID Coalition
Vince Steiner	Drainage	14		◆	◆			◆			Arid LID Coalition
Mike Tungate	Graphics	26		◆							NMFMA
Clare Haley	Planning	5	◆	◆						◆	APA
Ciaran Lithgow	Planning	7	◆	◆							
Liz Treat	PI	5	◆	◆						◆	
Curtis Sanders	PI	7	◆	◆							
Alan Benham	Survey	30		◆	◆	◆	◆			◆	IRWA
Wyatt McMarlin	Survey	13		◆		◆				◆	NMPS, IRWA
Dennis Sandin	Mapping	30+		◆							NMGIC, ASPRS, GITA
Sean Melville	Structures	28	◆	◆	◆						SEA-NM, ASCE, NMSPE, ACEC
Amanda White	Structures	20	◆	◆	◆						ASCE, ACI, SEANM
Ben Gallegos	Structures	7		◆	◆						
Todd Burt	Utilities	26	◆	◆	◆						DBIA, AWWA
Nisa Rascon	Utilities	8		◆	◆						ASCE
Ted Barela	Construction	30+								◆	ACNM
Juan Samaniego	Construction	19		◆	◆						NMSPE, AWWA, ACNM
Skylar DeWeese	Testing	20		◆	◆					◆	ACI, TTCP

4. UNIQUE TEAM MEMBER KNOWLEDGE

Our senior team leaders bring substantial knowledge of working with the City on on-call projects. We will discuss their experience in detail in Section III.2. Below we highlight the fields of specialization and the unique knowledge relevant to this contract of our other key technical team members who will be working with you on this contract.



Logan Brandenburg has worked on many roadway projects around the region. These include the design of horizontal and vertical layouts, intersections, sidewalks, bike trails, and utility improvements.

Fields of Specialization:

- *NMDOT Projects and Processes*
- *Roadway Rehabilitation / Reconstruction*
- *Bike and Pedestrian Facilities*
- *Safety Analysis*



Vince Steiner specializes in H&H Analysis and design. He is experienced in transportation drainage infrastructure design, including LID and GSI BMP design

Fields of Specialization:

- *Hydrologic and Hydraulic Analysis*
- *FEMA Map Revisions*
- *Drainage System Design*
- *Project Permitting*
- *Asset Management and GIS*



Carl Vermillion has completed countless traffic studies in the city. He helps develop innovative solutions to decrease congestion and improve system performance.

Fields of Specialization:

- *Transportation Modeling*
- *Traffic Impact Studies*
- *Signal Warrant Studies*
- *Multimodal Connectivity*
- *Access Management*



Alandren Etlantus brings advanced skills in stormwater analysis and design, and she has been a member of the City's Development Process Manual Executive Committee.

Fields of Specialization:

- *Hydrologic and Hydraulic Analysis*
- *FEMA Map Revisions*
- *Drainage System Design*
- *Master Drainage Planning*
- *Asset Management and GIS*



Ted Barela leads our Construction Management group, which offers the City substantial construction oversight resources to support your construction projects.

Fields of Specialization:

- *Contract Documents and Administration*
- *Construction Management and Inspection*
- *Substantial Compliance Certification*
- *Construction Phase Engineering Services*
- *Construction Materials Lab*



Rob Salazar has surface water engineering experience including design, analysis, modeling, and storm water quality.

Fields of Specialization:

- *Drainage Analysis and Design*
- *H&H Modeling*
- *GSI Integration*
- *Storm Drain Design*



III. RESPONDENT EXPERIENCE

1. PREVIOUS PROJECTS

As you will see from the projects and contracts listed in this section, BHI has the capabilities to perform projects of all sizes. From small feasibility studies or neighborhood drainage improvements to large transportation corridors and area-wide stormwater protection projects, the City can count on our depth of resources to produce quality-driven outcomes regardless of the size or schedule. From our experience on the following City projects and contracts, you can see we understand the broad range of services the City requires, and we are committed to delivering implementable solutions to meet your engineering challenges.

BHI is proud to have been among the City’s relied-upon engineering consultants for many years. Over the course of our on-call contracts with the City, we have amassed dozens of specific task orders. We look forward to continuing to grow this number through the proposed contract as well!

Note: We have included icons to go along with each task order listed to provide a better idea of the services that were provided. Below is the legend.



Roadway



Traffic Engineering/Safety



Multimodal



Storm Drainage



Site Development



GSI

CITY OF ALBUQUERQUE: CITY WIDE ON-CALL ENGINEERING SERVICES FOR HYDROLOGY, HYDRAULICS, AND STORM DRAINAGE WORK

Contact: Paul Olson, CoA, (505) 572-3461 / Year(s) Services Provided: 2023-Present / Construction Cost: varied by task.

Contract Overview: BHI was awarded this on-call engineering contract with the City of Albuquerque in 2023. So far, there have been 6 task orders, including mostly H&H work, but also including a crossing project. The task orders are listed below.

<i>Task Order Description:</i>	<i>Services:</i>
<i>Pueblo Alto/Mile Hi Neighborhoods GSI Pilot Project</i>	
<i>SDMP Update Phase 1B</i>	
<i>Louisiana Mid-Block Crossings</i>	
<i>Worker’s Memorial Park Conceptual Design</i>	
<i>SDMP Update Phase 2</i>	

CITY OF ALBUQUERQUE: CITY WIDE ON-CALL TRAFFIC ENGINEERING SERVICES

Contact: Tim Brown, CoA, (505) 250-2587 / Year(s) Services Provided: 2020-Present / Construction Cost: varied by task.

Contract Overview: BHI was awarded this on-call engineering contract with the City of Albuquerque in 2020. So far, there have been 19 task orders, including mostly traffic engineering work, but also included multimodal and roadway tasks. The task orders are listed below.

Task Order Description: Services:

<i>Guardrail Evaluation and Design for Improvements</i>	
<i>6th Street Restriping, Copper to Lomas</i>	
<i>City-Wide Bike Crossing</i>	
<i>Louisiana Blvd Vision Zero Improvements</i>	 
<i>Palisades Punta Alta and Loma Alta Intersection</i>	
<i>Tijeras Vacation Study</i>	 
<i>Garfield Street Modifications</i>	
<i>Chico Road from Eubank Boulevard to Morris Road</i>	
<i>Griegos Road from 4th Street to Rio Grande Boulevard</i>	
<i>4th Street from Menaul Boulevard to Candelaria Road</i>	
<i>Silver Bike Boulevard Concept Design</i>	
<i>Striping Design Revisions to Louisiana Vision Zero Project</i>	
<i>I-40 Trail Gap Study</i>	
<i>Louisiana Boulevard Vision Zero Improvements Bidding Assistance</i>	 
<i>Roadside Barrier Research</i>	
<i>Unser & Gwin Guardrail Evaluation</i>	
<i>University Street Lighting – Lomas to Indian School</i>	
<i>Montgomery Street Lighting – Juan Tabo to Tramway</i>	
<i>Moon Bike Facility</i>	

CITY OF ALBUQUERQUE: CITY WIDE ON-CALL ENGINEERING SERVICES

Contact: Bridgette Garrett, CoA DMD, (505) 768-3679 / Year(s) Services Provided: 2022-Present / Construction Cost: varied by task.

Contract Overview: BHI was awarded this on-call engineering contract with the City of Albuquerque in 2022. So far, there have been 9 task orders, mostly traffic engineering work, but also included multimodal, roadway, and site development tasks. The task orders are listed below.

<i>Task Order Description:</i>	<i>Services:</i>
<i>BFP COA Multi Purpose Stadium</i>	
<i>2023 Bike Maps</i>	
<i>Monte Vista Medians</i>	
<i>Albuquerque Bicycle and Trail Map 2024</i>	
<i>Louisiana Mid-Block Crossings for ROW Mapping</i>	
<i>Bike to Wherever Bike Thru Burque – 2024</i>	
<i>COA Trail & Bridge Inventory Update</i>	
<i>Louisiana Midblock Crossings</i>	
<i>East Central Lighting – Final Design</i>	

2. PROJECT MANAGERS’ CITY EXPERIENCE WITHIN THE PAST 5 YEARS

KURT THORSON, PE (PRINCIPAL-IN-CHARGE)



Kurt has worked on several City projects throughout his career through numerous on-call contract task orders. He also has a strong history of working directly with key City staff for other government agencies (like the NMDOT) where there are connections with City-owned facilities that are impacted by potential projects. Kurt’s technical experience includes roadway and street design; intersection geometric design, including roundabout geometrics; intersection grading; roadway signing and striping; road diets, traffic signal and street lighting design, and traffic/safety engineering and traffic access management. He understands the capabilities and applications of current design software and techniques using the latest programs such as AutoCAD and Civil 3D, MicroStation and InRoads, Transoft TORUS, GuideSIGN, and more.

Recent City of Albuquerque Projects: Louisiana Mid-Block Crossings, Louisiana Blvd Vision Zero Improvements, East Central HAWK Signals, Alexander Boulevard Road Diet & Restriping, Rio Grande Road Diet Evaluation, Osuna / Claremont / San Pedro Bike Scoping Study & Concept Design, 4th Street from Menaul Boulevard to Candelaria Road, Silver Bike Boulevard Concept Design, East Central Lighting, University Lighting and Montgomery Lighting, Rio Grande/Candelaria roundabout.

LOGAN BRANDENBURG, PE (TRAFFIC AND TRANSPORTATION PROJECT MANAGER)



As a transportation engineer and project manager, Logan Brandenburg thrives on figuring out how all the various pieces of the project puzzle get put into place, from planning through design and into construction. Transportation projects always have many moving parts to coordinate across disciplines, and Logan inherently sees how to line up all the pieces and knows where everything needs to go. He

takes pride in seeing his projects get built and loves being in the field when the construction equipment starts rolling.

Logan has assisted municipalities, counties, and the NMDOT in developing their transportation infrastructure, ranging from sidewalks and multimodal trails to roadways and intersections, to interstates and interchanges. He has worked on many projects requiring the rehabilitation or installation of roadways. He has experience in both rural and urban contexts. He is proficient in many computer programs, such as AutoCAD, MicroStation, Inroads, and Microsoft Office.

Recent City of Albuquerque Projects: Louisiana Mid-Block Crossings, Louisiana Blvd Vision Zero Improvements, East Central HAWK Signals, Alexander Boulevard Road Diet & Restriping, Osuna / Claremont / San Pedro Bike Scoping Study & Concept Design.

VINCE STEINER, PE, CFM (STORM DRAIN PROJECT MANAGER)



Vince Steiner is a BHI Vice President and water resources engineer, specializing in hydrologic and hydraulic analysis and design associated with both public and private sector projects. He is an energetic and broad-thinking engineer with a strong desire to find solutions to better serve his clients and community. Vince is experienced in drainage infrastructure design, Low-Impact-Development (LID) BMP design, green stormwater infrastructure (GSI) design, and floodplain analyses. He provides valuable insight into field constructability, due to his background in land surveying, boundary surveys, design, and construction. He is proficient in HEC-RAS, HEC-HMS, SMS/SRH-2D, MicroStation, AutoCAD Civil3D, Autodesk Storm and Sanitary Analysis, HY-8, InRoads, and ArcMap.

Recent City of Albuquerque Projects: Pueblo Alto/Mile Hi Neighborhoods Drainage Study and GSI Design, Loma Hermosa Area Stormwater Quality project, Riverview Drive Stormwater Quality project, Worker’s Memorial Park Conceptual Design.

IV. TECHNICAL APPROACH

1. UNDERSTANDING OF PROJECT SCOPE

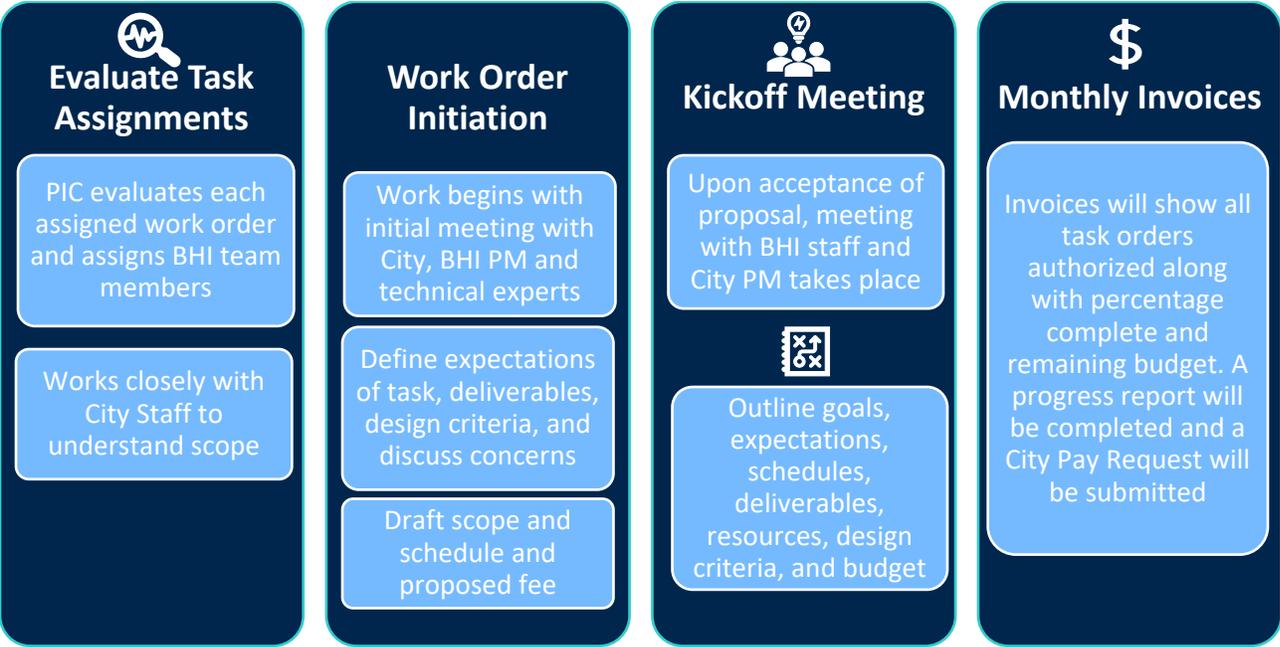
Having worked with the City on more than a dozen on-call contracts in the last few decades, BHI is well aware of the range of service and project types the City may request support on. With BHI’s full range of civil engineering and support services (including surveying and mapping, planning, advanced engineering technology solutions, Transportation/Traffic, Storm Drainage, and construction observation and materials testing), we can truly support the full project lifecycle of any City project: from concept to completion. As we’ve proven, BHI can respond efficiently and professionally to your task order requests and be a partner the City can trust.

We understand that often on-call task orders are smaller projects with challenging schedules and defined budgets, requiring quick turnaround and close coordination with City staff. Our ability to be a partner to the City is built on more than just technical expertise. We are proud of the close working relationship we have forged that forms the foundation for timely responsiveness, effective communication, and precise understanding of project goals and requirements.

Each engineering assignment brings unique challenges. No two projects are the same. Engineering design criteria and standards can easily be applied to most situations to provide viable solutions; however, project success is increasingly defined by more than just engineering solutions. Environmental clearances and public involvement/stakeholder coordination are often key to a project, especially those with state and federal funding (especially Tribal & Local Government Funded T/LPA projects). Impacts to right-of-way and utilities must also be identified early and minimized, if possible, to streamline a project’s implementation and minimize potential litigation.

2. PLAN TO PERFORM SERVICES

BHI’s plan to perform services will be tailored to each City assignment and task order as it becomes identified. BHI uses a corporate Project Management Methodology to ensure the success of our projects. By using a standardized process with quality checks throughout the project, we can manage staffing, budgets, and project schedules. Our team works diligently to meet quality, schedule, and cost commitments. The following is a brief sequence of the steps anticipated to manage the on-call:



Additionally, BHI is familiar with City and state agency processes including:

DRC Process: BHI is familiar with the Design Review Committee process, including DRC deadlines, required forms, and DRC personnel. Our team’s previous experience and knowledge will allow us to efficiently and effectively process design on-call tasks through DRC.

T/LPA Process: BHI is experienced in navigating the New Mexico Department of Transportation (NMDOT) Tribal/Local Public Agency (T/LPA) Handbook and the processes required for Federal Funds programming and reimbursement. This includes right-of-way, environmental, utility, railroad, and ITS certifications. BHI understands the amount of time required to meet the NMDOT requirements and can help City staff to develop a schedule to complete the process. BHI currently has 5 project managers that are certified in the NMDOT T/LPA program. BHI has established working relationships with NMDOT Central Region T/LPA coordinators and PDE’s for project development. BHI can assist with the necessary paperwork to close out Federal Aid Projects.

A. PROPOSED TECHNICAL APPROACH

STUDY PHASE SERVICES

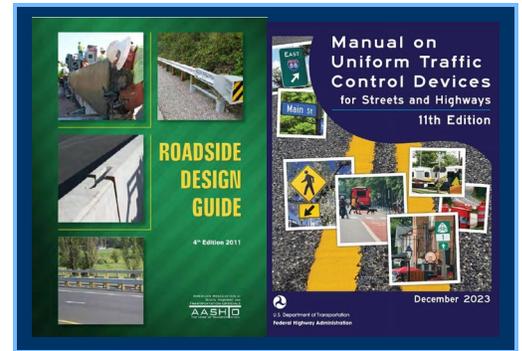
GREEN STORMWATER INFRASTRUCTURE (GSI) EVALUATIONS

Our team offers innovative, well-connected, passionate leaders in the New Mexico LID / GSI arena who are excited to help ensure City projects are supported in these endeavors. Our team members have also been leaders in integrating GSI into NMDOT projects where BHI is providing drainage engineering. A few examples include Cerrillos Road in Santa Fe, University Avenue in Las Cruces, and NM 14 / NM 536 Frost Road Intersection. Our team has played a major role within our New Mexico communities in supporting the evolving arid LID / GSI groups, including the Arid LID Coalition, and initiatives.

ROADWAY EVALUATIONS

The team we have assembled for this on-call contract has significant experience in all types of transportation studies relative to a broad range of engineering projects. The staff will use their expertise to evaluate alternative solutions for potential improvements at intersections, turning lanes, trails, and roadway segments. Our team routinely evaluates roadways and intersections for compliance against industry guides and standards such as American Association State Highway Transportation Officials (AASHTO), Public Right-of-way Accessibility Guidelines (PROWAG), and Manual on Uniform Traffic Control Devices (MUTCD) to identify potential deficiencies. We pride ourselves in developing ideas during the study and conceptual design phase that can be feasibly implemented and reasonably constructed.

Through our experience, we have performed a variety of transportation studies that have focused on the evaluation of vehicular crashes, mobility, queuing, and speed. We have also conducted studies involving traffic capacity, interchange feasibility, and access management in addition to studies for environmental documentation purposes.



DRAINAGE EVALUATIONS

Hydrologic and Hydraulic Analysis – Our team includes numerous members with advanced degrees in hydrology and hydraulics (H&H), and we are continually refining our H&H modeling abilities through technical training seminars. We understand the uniqueness of hydrology in the Southwest and proper hydrologic modeling including knowledge of how and when to adjust input parameters to accurately predict runoff. We use the latest technology and software tools within ArcGIS and HEC-HMS to provide the most accurate representation of the basin conditions and to develop the more representative hydrologic model for each watershed. More specifically, we use ArcGIS to efficiently process elevation, soil, and land cover. We regularly perform H&H analyses for projects ranging from minor drainage studies and storm drains to large-scale drainage management plans. Our staff participates regularly in HEC-RAS, FLO-2D, and ESRI webinars and training sessions to ensure that we maintain current knowledge and expertise. We continuously update our workflows to reflect best practices and to ensure quality and efficiency. We are skilled in using HEC-RAS, FLO-2D Pro, SRH-2D, EPA SWMM, InfoWater, and other hydraulic modeling software, enabling us to select the appropriate tool and correctly model for even the most complex hydraulic conditions. We understand how to model both closed-conduit pressure flow and open-channel, including complex hydraulic structures such as junctions, pipe manifolds, lateral weirs, and energy dissipaters. We are also adept at floodplain analysis and mapping, including letters of map revision (LOMRs).

TRAFFIC ANALYSIS

BHI has experience in all types of traffic analysis. Our traffic engineering services include intersection and roadway capacity analysis, traffic impact studies for new development, and independent reviews on behalf of agencies and analysis to support alignment studies. Using data collected by on-site traffic counts, we perform traffic and safety studies that conform to project-specific needs. We provide intersection analysis to prepare improvement recommendations and alternative layout considerations. Traffic operations analysis may include the use of a variety of software packages, such as WARRANTS, Synchro/Highway Capacity Software, TSIS/CORSIM, and SIDRA.

PLANNING

Multimodal/Transportation – In support of our transportation design skills, we bring an initial layer of transportation planning, including a special focus on multimodal and non-vehicular facilities. Before the designs are started, our team will ensure that big-picture connectivity is being addressed, that all users are considered and prioritized as appropriate for each facility, and that the infrastructure being proposed and / or designed is context sensitive to the land uses in the area. Our planners bring experience with local plans such as the City's Complete Streets Ordinance, challenges, and opportunities. We are knowledgeable on proposed and planned improvements within the City, best management practices, local and national design guides, and innovative facility concepts. Supporting more long-range planning, BHI planners have worked on design manuals, bicycle and pedestrian plans, road diets, and a variety of corridor plans.

Feasibility Studies – Most projects begin with an initial planning (or study) phase to determine the feasibility of a potential initiative or improvement. Oftentimes, these efforts become the basis for applying for project funding and, thus, must provide a clear statement of purpose, establish the need, offer a comprehensive analysis of potential alternatives, and

develop recommendations. BHI has experience with a range of planning documents, scoping reports, as well as preliminary engineering reports, for a variety of infrastructure improvements. During the planning process, BHI strives for innovative solutions based on sound professional practices, combined with community vision and goals.

Land Use & Economic Development – Transportation infrastructure can support land use activities and economic development opportunities in an integral and critical way. Transportation investments can improve access to services and employment opportunities for existing residents and can inform where new development occurs. Building toward future land use expectations, our team has direct experience with identifying land use patterns, demographic scenarios, economic opportunities and more elements that lead to the best location for transportation improvements resulting in healthy and sustainable development.

PUBLIC MEETINGS AND PUBLIC INVOLVEMENT

Many of our recent City on-call projects have required active participation from the public and key stakeholders. A unique and context-sensitive public outreach program can provide the public and project stakeholders meaningful opportunities to help the project team develop solutions and recommendations for a variety of project types. In coordination with the City, we will establish a communication plan to determine expectations of stakeholders and identify how best to disseminate project details and engagement invites. A strong public involvement program includes a targeted strategy for keeping the general public informed of a project and for soliciting comments and input that will be valuable to project development. Together we will decide what this looks like specifically for each task order. This could include a mix of online and in-person activities including options such as a website, interactive map, questionnaires, workshops, open houses, pop-up events, and more.

DESIGN PHASE SERVICES

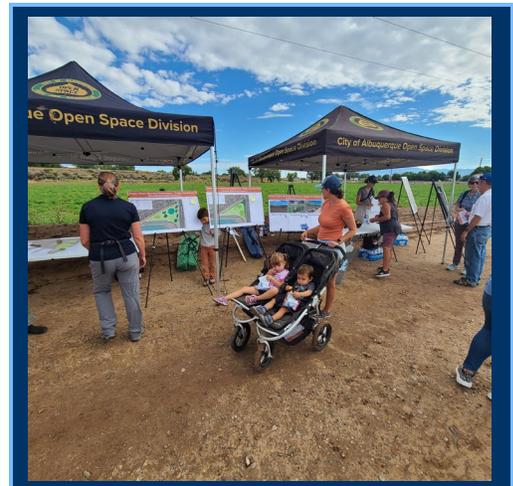
ROADWAY DESIGN

Our years of transportation projects have provided us opportunities to implement innovative roadway designs that range from complete streets to include bicycle lanes and sidewalks, to more expansive interchange designs such as Continuous Flow Intersections, Single Point Urban Interchanges, and Diverging Diamond Interchanges. We also bring extensive experience with roundabouts and other innovative intersection alternatives.

Our staff regularly produces design plans and construction packages for the City and other clients on various sized projects. BHI has a comprehensive knowledge of DRC review requirements, including deadlines and the forms needed. BHI will prepare contract documents using the City’s format and process, and we have significant experience in preparing your contract documents for projects both with and without federal requirements. Contract documents will be sent to the City’s Contract Specialist for review and approval.

STORM DRAIN DESIGN

Solid H&H analysis is only the beginning. Our water resources team has over 4 decades of experience turning H&H analysis into design for a wide variety of drainage facilities in the Albuquerque area. Whether it is a simple storm drain system with only a few inlets or a complex hydraulic structure or water quality facility, our team has the expertise and experience to ensure that the structure is properly sized and designed to meet the design storm event and project requirements. With the design of over 30 major storm drain projects, 100,000 linear feet of open channels, over 85 ponds and 50 drop structures, along with numerous specialized hydraulics structures, we have the experience and expertise to meet all your drainage



Sunport Blvd. Extension



Rio Grande/Candelaria Roundabout

design needs. Our design will be developed in accordance with Chapter 22 of the City's DPM or other appropriate state or federal guidance documents.

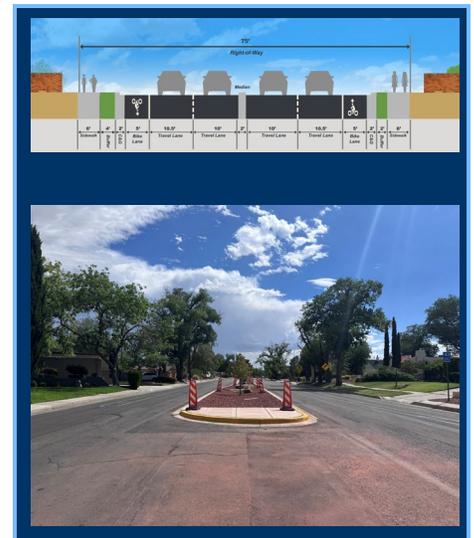
MS4 Requirements – Our staff is familiar with the EPA Municipal Separate Storm Sewer Systems (MS4) Watershed Based Permit, the City's related ordinances, and related DPM sections. Some portions of the MS4 permit document imply that owners must "evaluate" stormwater treatment options; other areas prescribe specific stormwater treatment requirements. The portion of the permit that prescribes treatment incorporates a quantitative stormwater quality design standard. That post-construction standard manages on-site the 90th percentile storm event discharge volume associated with new development sites and the 80th percentile storm event discharge volume associated with redevelopment sites, such as roadway and storm drain systems within the Middle Rio Grande Urbanized Area. The quantitative standard only applies to the increased impervious areas. Ideally, the new impervious areas would drain to a sedimentation basin before discharging flows from the project site. For areas with limited right-of-way, simple roadside ditches may suffice. Related to the construction site stormwater runoff control portion of the City's MS4 permit, our staff is familiar with the City's storm drainage ordinances and Erosion and Sediment Control (ESC) requirements.



TRAFFIC DESIGN

Our team specializes in Traffic Engineering Design, which often compliments Roadway designs with elements like Traffic Signals, interconnect and Street Lighting (illumination) which enhance public vehicular and pedestrian safety as well as optimize traffic flow. Our team is familiar with City standards for Albuquerque traffic signal poles, hardware, and wiring. In addition, our team is familiar with design for the latest industry standards for roadside barriers and safety end treatments.

Our Traffic Engineering Team is also well skilled in development of Road Diet projects for the City. Our team has worked with City Staff to develop concepts and plans for several sites around town that have been implemented, including Garfield between Girard and Yale, 6th Street in the Downtown area south of Lomas, Alexander Boulevard north of Commanche, and along Rio Grande Boulevard. The photo shown to the right is of Monte Vista, east of UNM, where a Road Diet was recently implemented along with raised medians for future landscaping.



PUMP STATION REHABILITATION AND EVALUATION

BHI's design experience includes the evaluation, design, and construction of numerous facilities, such as clean water and drinking water pump stations. BHI has experience with the design of these facilities for capacities up to 30 MGD using a variety of different intake designs and pump types. BHI's vast experience with pump station design provides us with the knowledge and expertise to evaluate pump selection, along with the costs of various pump station design to optimize the footprint of the facilities while working to optimize cost with the ability for operators to maintain the facilities safely. Our experience allows us to provide recommendations on how to configure facilities for different operational needs throughout the life of the facility and as development builds around a facility that will be relied upon for generations to come.

BHI has a team dedicated to electrical and mechanical components of these important facilities that include selecting appropriate motors and controls, SCADA for automation, and instrumentation critical to everyday operations and running efficiently. BHI understands the electrical code and criteria for ensuring all the components meet the latest code requirements to provide a safe, clean facility for operators and stakeholders.

BHI is also well versed in working through various operational scenarios to protect the facilities, such as conducting transient surge analysis. The transient surge is critical to the design of large facilities, especially in areas where they are connected to

long transmission lines with high pipeline velocities. A transient surge event – commonly called “water-hammer” – most commonly occurs during a power outage that results in an emergency pump shut-down. BHI has modeled this scenario for our large pumping systems and incorporates design features to mitigate the potential impacts of the transient surge wave. The design recommendations are necessary to protect the pumping system, including the transmission pipeline, to dampen surge pressures and enable the pressures to remain above atmospheric. BHI knows what to look for in an overall system, including downstream and upstream components to ensure the facility meets the needs of the client. **Attention to these types of details and working with our clients to understand these impacts is key to not only the design of the facility but also conveying this information to our clients so they know what to expect when the project is complete.**

GSI INFRASTRUCTURE

As evidenced through BHI’s leaderships in the study, design, and community engagement work for the Pueblo Alto/Mile Hi Neighborhoods GSI Pilot Project, we can identify prioritized opportunities to implement LID/GSI improvements in stand-alone projects and as integrated elements in other projects. BHI partners with landscape architects to develop solutions that thrive in specific LID/GSI contexts and that align with the specific goals of individual projects and communities.



BHI team members are leaders in integrating GSI into projects, where BHI is providing the drainage engineering. Examples include Cerrillos Road in Santa Fe, University Avenue in Las Cruces, and NM 14/NM 536 Frost Road Intersection.

Vince Steiner and Rob Salazar are active members in the Arid LID Coalition in New Mexico. As a Partner organization, BHI will continue to actively engage in this group and will represent City interests, as appropriate. Our team members have served in various roles and various working groups. Rob Salazar has been a member of the Coalition’s Steering Committee. Vince was instrumental in organizing a multi-disciplinary workshop in 2019, bringing together several experts for a collaborative hands-on experience promoting GSI. Using our team’s connections with the Arid LID group, we were invited to present on several topics, including (1) the draft NMDOT NPDES Manual for discussion, and we received valuable feedback that was integrated into the manual, and (2) the ongoing development of the City’s Pueblo Alto/Mile Hi Neighborhoods GSI Pilot Project. For years, our team has been involved in organizing and attending the Albuquerque-based Land & Water Summit. We attend, champion, collaborate, and continue to learn from these conferences and group networking and meeting opportunities.

NMDOT PROCESS: CERTIFICATION THROUGH REIMBURSEMENT



Over the past several years, NMDOT has been developing and updating their guidelines for local government lead projects. Through this effort, they have created the T/LPA Handbook, which is intended to help assist local agencies such as the City of Albuquerque navigate the planning, design, and implementation of federally funded transportation projects. Although this has served well to bring some level of consistency to the NMDOT program, the application of the guide requires some level of interpretation since each project is unique.

Because of our depth of experience working on NMDOT funded projects and our longstanding working relationship with NMDOT staff, we have been able to assist the City of Albuquerque and our other local government clients in applying these guidelines on their projects to successfully implement much-needed transportation improvements for the community. We have a thorough understanding of the NMDOT specifications and construction contract requirements; we can help you develop the documentation needed to acquire the certifications needed for the PS&E package, and we have the expertise to assist you during construction to meet the funding reimbursement requirements. Our staff is skilled at intergovernmental communication protocols and best practices for project coordination to keep the project team on track from start to finish. We know what is needed for progress billing to keep the City projects off the "inactive list" during planning and design, and we know what documentation is needed during to construction for reimbursements and project close out. **We can work with your staff to get projects from conception to completion following NMDOT guidelines.**

BIDDING AND CONSTRUCTION PHASE SERVICES

BHI has produced thousands of construction bid packages over the years, and all our team members have experience and expertise with this exercise. We stand ready to help the City with as much of the bid process as needed, including bid packages, pre-bid meetings, bid review and verification, and letter of recommendation. BHI can also assist with a pre-construction meeting, if required.

Our team members have substantial experience with project office management and are held to the strictest standards and procedures. They provide exceptional service, as required of the position, including:

- Verifying project documents, including monthly contractor estimates, overrun/under-run explanations, project summary, as-built plans, source documents, etc.
- Reviewing plans, specifications, special provisions, and contract documents to determine project requirements.
- Processing the contractor's monthly progress payments and vouchers for payment.
- Verifying project records, including computer records, account numbers, and codes, working days summaries, pay quantities, legal loads and documentation, consultant's change orders, subcontracts, tax rates payments, total payments against individual accounts, and contractor's payroll.
- Ensuring contractor's documentation is compliant with all policies and procedures.
- Developing computerized project data files, computerized change order lists, item lists, and audit lists utilizing software, such as Site Manager, LCP Tracker, and B2GNOW.

B. QUALITY CONTROL PROCEDURES

Quality assurance (QA) and quality control (QC) are provided through a system that is based on defined processes, careful communication, adherence to technical standards (QA), and independent technical reviews and verifications of plan details and quantities (QC). A crucial part of QA is adhering to the project's schedule. BHI's project managers closely monitor each task's schedule so they can proactively guide the direction of the work and verify necessary resources are allocated, so the scope of work can be completed within the allotted time.

3. SPECIALIZED PROBLEM SOLVING

BHI has the staffing and resources to accomplish any engineering-related task that may be necessary for this on-call contract. As one of the largest New Mexico-owned engineering firms, we have excellent capacity and capability to provide abundant resources to perform any type of design work. **Our breadth of resources and local office allow us to respond to the City's requests rapidly.** Because of our unique range of services, we can provide specialized expertise to meet even the most challenging of engineering assignments the City may request. Some of the distinctive areas that set us apart from other consultant firms include:

- **Readiness to manage pass-through task orders** – We understand the importance of meeting the City's needs and the need for the City to access other partners using the on-call as a resource. **On the current on-call contract, the City has been able to use it to contract with other firms, and multiple task orders on this current contract have been pass-through tasks.**
- **Ability to manage multiple assignments simultaneously** – As a result of our diverse staff and depth of local resources, **we are readily available and fully capable of managing multiple tasks that may arise through an on-call contract at any given time.** Our knowledgeable and especially skilled staff is experienced in maintaining project schedules and deadlines while delivering top quality products. We are about 15 minutes away, just north along I-25 a few miles from DMD offices.
- **Agency coordination and established relationships** – Because of our longevity in Albuquerque and our long and varied list of projects throughout New Mexico, **we have well-established relationships with many other agencies that might be encountered during this on-call contract.** We work closely on a regular basis with AMAFCA, NMDOT, Bernalillo County, MRCOG, USACE, MRGCD, NMED, FHWA, NMFA, Rio Rancho, and other agencies.

- **Informed and innovative solutions** – **We pride ourselves on thinking through all of the relevant project issues and taking extra steps to ensure responsible decision making.** This enables BHI to develop thorough, yet innovative approaches to projects, as well as to provide the City with a technically sound project that does more than just meet the minimum requirements of the job—it creates sustainable solutions.
- **Use of the latest technology** – Our primary goal is to provide the best design and engineering products at a competitive price and quality services using the latest technology available. **BHI keeps abreast of the latest technology and incorporates it into our projects where applicable.** For example, the Jefferson Storm Drain project included the first use of inlet protection devices in Albuquerque to prevent debris from entering the system, a new technology at the. Our current COA Pueblo Alto Mile Hi GSI Pilot Project integrates StormTrap’s underground storage systems into the project’s network of GSI stormwater bumpouts. Our current NMDOT General Office Campus Improvements project required us to innovate ways to provide critical storm drainage management below ground while maintaining usable space on the already developed campus in a highly urban area in Santa Fe. This project includes underground detention, infiltration and GSI features utilizing contour grading and Contech products. BHI Traffic Engineering staff recently developed one of the first projects for the City’s Vision Zero Initiative along Louisiana between Gibson and Zuni. A Road Diet was implemented along with various “quick build” roadway devices to create curb pop outs along side streets and buffered zones with raised pylons and rubber curbing to protect the bike lane users from vehicular traffic.
- **Communicating Through Visualizations** – Many on-call projects require active participation from the public, key stakeholders, and project “end users.” Obtaining productive input from these individuals requires visual aids that clearly convey alternative options and improvements. BHI’s **local, in-house graphic technicians** use state-of-the-art technology to **transform engineered drawings into three-dimensional graphic renderings** that are easy for the public to comprehend. Additionally, we have developed several interactive project websites that allow easy access to project information and convenience for the public to provide ideas and opinions. We have created 3D models, visualizations, renderings, animations, multimedia presentations, and larger-format printing for many traffic- and transportation-related projects.
- **Understanding of the NMDOT / FHWA funding process** – Our team routinely works with NMDOT and local governments to deliver T/LPA-funded projects. **We understand the design review process with NMDOT Central Region staff and the Certification requirements and process** for utilities, right-of-way, ITS, environmental, and railroad coordination. BHI currently has 5 project managers who are certified in the NMDOT’s T/LPA program. Ted Barela, one of our Construction Engineering Group Managers, has been instrumental in assisting NMDOT with T/LPA trainings over the past two years.
- **Understanding of Federal & State funding reimbursements** – **Our construction team has a full understanding of the submittal requirements for reimbursement on federally funded projects through the T/LPA program.** Bernalillo County recently enlisted the assistance of one of our team members to train County staff on the submittal process for federal reimbursement. BHI staff also have an in depth understanding of State funding sources and associated reimbursement/disbursement for project funding, including Capital Outlay, TPF, and LGRF programs.
- **Knowledge of the Albuquerque Area** – BHI has contributed to the quality of life of Albuquerque citizens for over 66 years, since 1959. **Most of our staff have been working locally, for decades as employees of BHI and take pride in the projects we have completed for the community.** This direct knowledge of the Albuquerque area allows us to better serve you. This is evident by the success of the recent on-call contract task orders we have completed for you, and we want to partner again with you on this on-call to accomplish more successful projects for the community.
- **Leadership in the Development and Implementation of Local LID/GSI Standards and Specifications** – **BHI worked with Bernalillo County to create their Green Stormwater Infrastructure/Low Impact Development Standards.** These guidelines are a pivotal step in advancing the implementation of these practices in our communities. The expertise required for the successful production of these guidelines positions BHI to implement study and design of LID/GSI on City of Albuquerque projects.

V. COST CONTROL

1. COST CONTROL AND ESTIMATING TECHNIQUES

A. COST CONTROL OF THE DESIGN PROCESS

Our team understands the importance of cost control throughout the project lifecycle, and we work to control costs every step of the way, beginning with design. For any task under our on-call, we begin by working hand-in-hand with the City to establish a thorough understanding of the needs and to develop an accurately defined scope of work for the project at the time task order is requested with the City’s Project Manager. Our experts in each discipline outline the activities and develop the work hours and expenditures required to complete the necessary deliverables for the project. Any project assumptions are carefully reviewed with the City to ensure that they cannot be eliminated upfront, through better definition of project scope. As the project progresses, our Project Manager will communicate any project concerns or potential out of scope work, as it develops, with the City Project Manager to identify whether the work is truly needed or if additional service requests can be prevented or minimized through slight design changes.

B. COST CONTROL OF THE CONSTRUCTION COST

We are devoted to ensuring estimates of probable construction costs meet both the project scope and the City’s budget. These budgets include all costs necessary to design and construct the project. A construction cost estimate is prepared at the onset of the project and revised at key milestones. The estimate is compared to your budget to determine whether it meets your expectations. If anticipated, project construction costs are in excess of available budgets, our Project Manager will meet with the City’s team to discuss options for cost reduction or potential avenues to increase project funding. One means to reducing project costs is often achieved through Value Engineering. As the design progresses, the design team performs informal value engineering reviews with independent senior engineers to look for opportunities to reduce construction costs. Any potential cost-saving methods will be reviewed with City staff prior to implementation. Because we have construction engineering staff in house, we also have a senior staff member provide a constructability review to identify where potential issues could impact the ease of construction and therefore the cost.

C. COST ESTIMATING TECHNIQUES

Estimating probable project construction costs is dependent on three main factors: 1) an accurate tabulation of all items and quantities to be incorporated into the final constructed product; 2) an understanding of market conditions and materials in the construction industry; and 3) the use of current bid prices from broad-based information sources. Our bid sources include a database of projects we have bid recently, the City’s unit prices for contract items, current NMDOT compiled unit bid prices, and a collection of private sector construction bid prices.

2. COMPARISONS OF PREVIOUS BID AWARDS AND COST ESTIMATES

<i>Name of Project</i>	<i>MM/YY Bid</i>	<i># of Bids</i>	<i>Final Cost Estimate</i>	<i>Bid Award Amount</i>
Aragon Road (City of Belen)	12/2024	3	\$2.4M	\$2.3M
Ladera Dam 5 (AMAFCA)	02/2024	3	\$2.6M	\$2.5M
University Avenue (NMDOT District 1)	07/2024	2	\$22.4M	\$22.7M

FORMS

The required forms can be found in the following pages.

City of Albuquerque Capital Implementation Program

Agreement and Insurance Certification

We have reviewed the standard agreement for Engineering or Architectural or Landscape Architectural Services that are required for the project listed below, and hereby certify that we will, if selected for the project, enter into this standard agreement for this project and meet all insurance requirements listed therein.

This Certification is intended for the use of the City of Albuquerque only, in conjunction with the award of the Engineering or Architectural or Landscape Architectural Services Agreement for Project:

Project Name Citywide On-Call Engineering Services for Transportation and Storm Drainage

Project Number 138.02

Date July 2, 2025 Firm Name Bohannon Huston, Inc.

Signature Kurt D. Thorson

Title Senior Vice President

STATE OF NEW MEXICO)

) ss

COUNTY OF BERNALILLO)

The above Certification was subscribed before me, the undersigned authority, by:

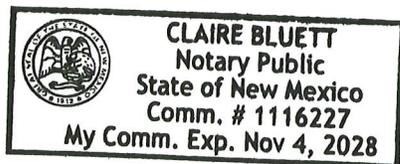
Kurt D. Thorson

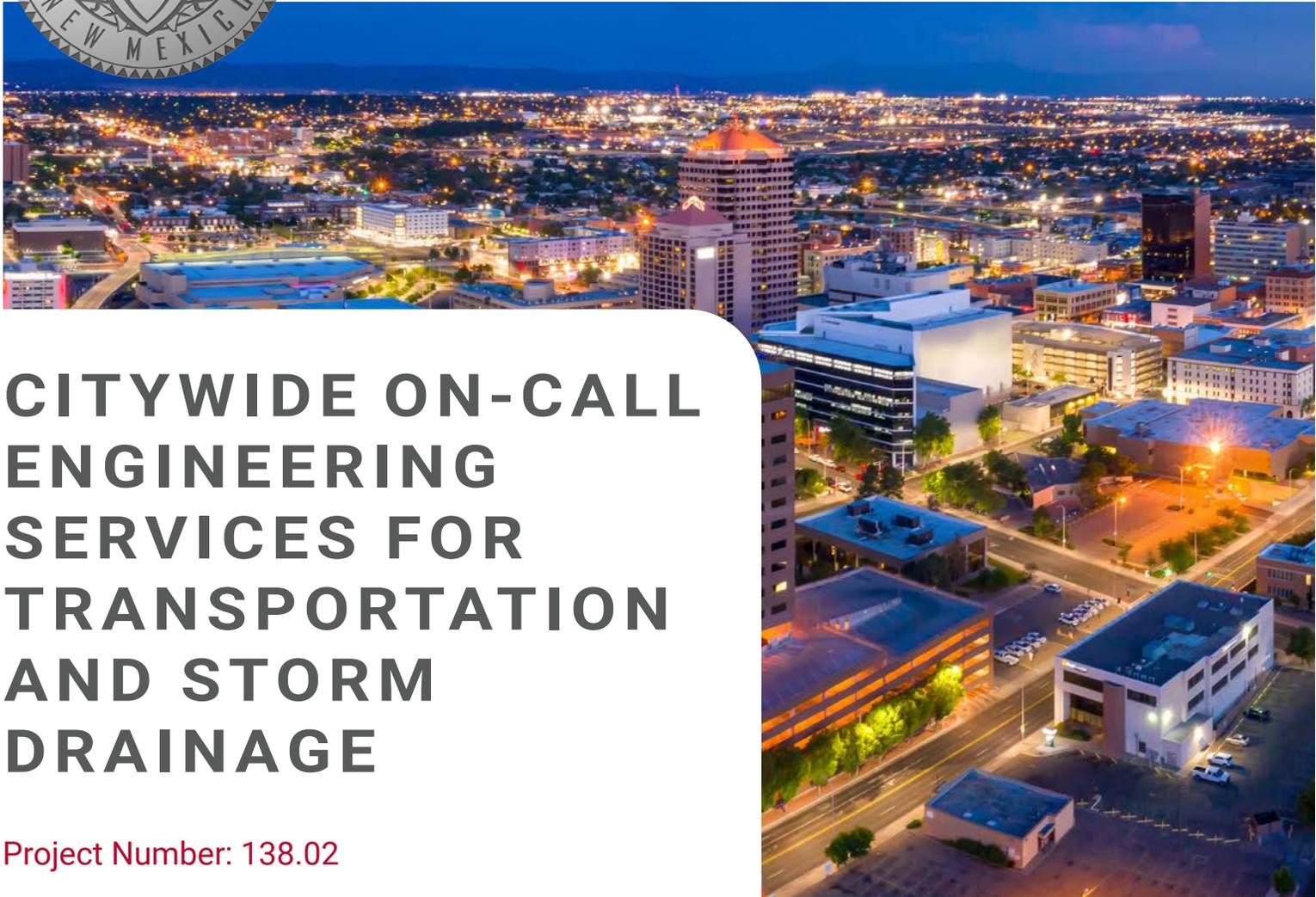
who swore upon oath that this Certification was signed of free act and deed, on this

2nd day of July, 2025

Claire Bluett
(Notary Public)

My commission expires: November 4, 2028





CITYWIDE ON-CALL ENGINEERING SERVICES FOR TRANSPORTATION AND STORM DRAINAGE

Project Number: 138.02

PREPARED BY:

Horrocks

6001 Indian School Rd NE, Suite 250
Albuquerque, NM 87110





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LETTER OF INTEREST



July 9, 2025

City of Albuquerque, Department of Municipal Development
1 Civic Plaza NW,
Albuquerque, NM 87102

SUBJECT: CITYWIDE ON-CALL ENGINEERING SERVICES FOR TRANSPORTATION AND STORM DRAINAGE (PROJECT NUMBER: 138.02).

Members of the Selection Committee,

In response to the City of Albuquerque's request, Horrocks presents our team and qualifications for consideration on this on-call contract for Transportation and Storm Drainage Services. We offer experienced personnel and specific technical expertise for the entire scope of infrastructure services listed in the RFQ. We look forward to supporting the City in whatever capacity may be needed, working together to serve our New Mexico communities with beneficial planning, design, and engineering services. We invite you to consider key points about what the Horrocks team can provide:

Proven Contract Manager: Chris Rosol, PE, is a Project Manager with over 25 years of transportation experience serving New Mexico, including multiple on-call contracts with the New Mexico Department of Transportation (NMDOT) and various municipalities statewide.

A Broad Range of Skills: Our team's collective expertise spans a wide variety of potential planning and engineering services, as outlined in the scope of work for this contract.

Innovation: We will bring valuable tools, such as innovative project dashboards for stakeholders and project management engagement to help achieve the City's objectives.

Flexible, Effective Service to the City of Albuquerque: Our Albuquerque office is ready to respond quickly to any task order, using our local and regional team's wide resources to ensure quality deliverables on schedule.

Community Engagement: Our dedicated and proven public engagement team works directly with stakeholders and community members to understand local needs, build trust, and clearly communicate the project's direction through tailored outreach plans that align with project goals, ensure transparency, and keep the community informed and engaged throughout every phase of the project.

Our proposal includes information about our team's key personnel and expertise, and other information to demonstrate our ability to serve the City through this on-call partnership. The City's success is our success, and we will strive to earn this by working hard, working smart, and providing high-quality deliverables with exceptional service. We are excited to serve your team in any task assignment, large or small.

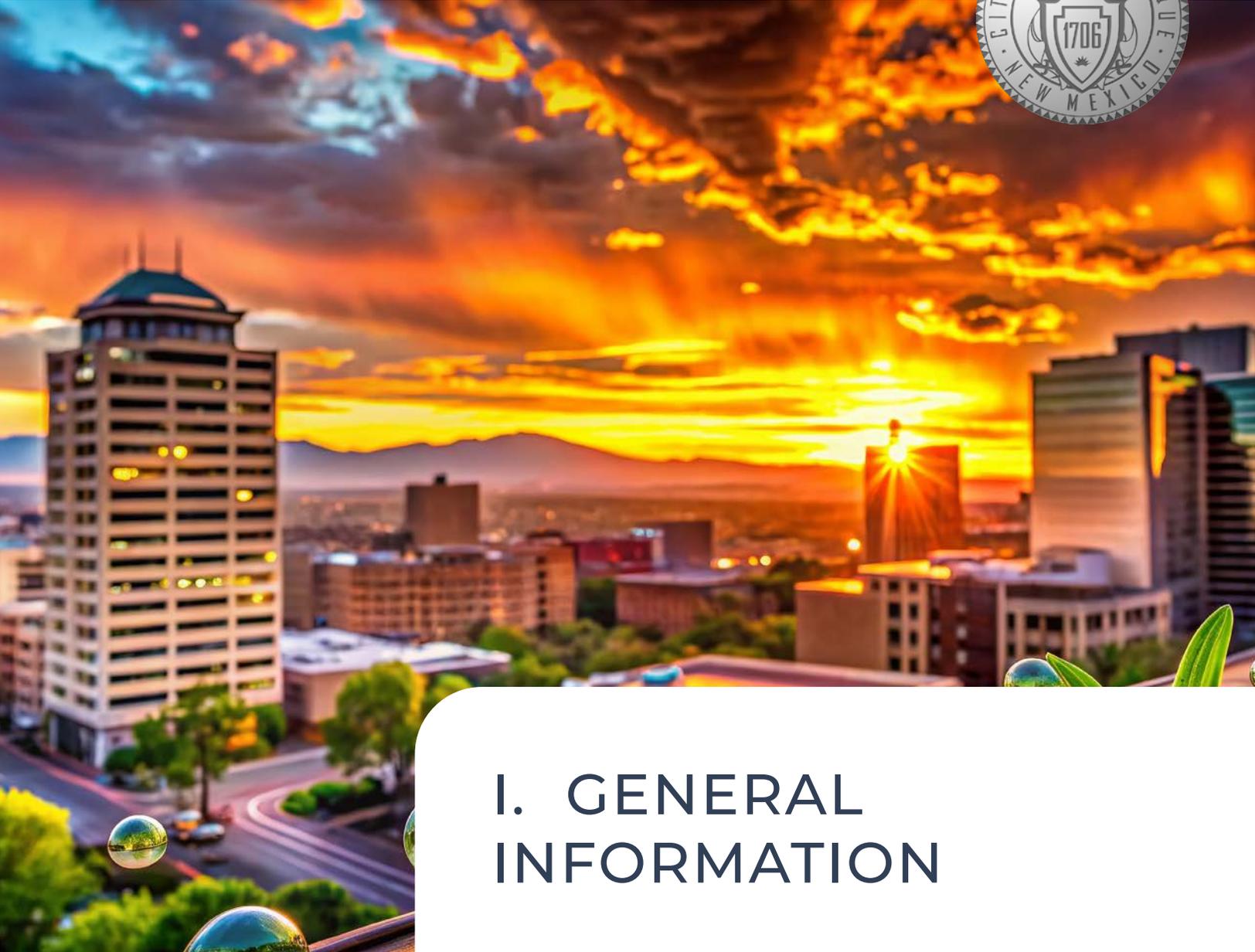
Our New Mexico Director of Operations and Manager of this Contract, Paul Steffin, is a principal of the firm and is authorized by Horrocks to contractually obligate the organization and negotiate the contract on behalf of the organization. Horrocks is pleased to have the opportunity to submit this proposal for your consideration and we look forward to serving the City. Should questions arise, please contact Paul Steffin via email at paul.steffin@horrocks.com or by cell phone at (505) 349-4851.

Sincerely,

Paul Steffin, PE, PTOE

Project Manager | Director of Operations

(505) 349-4851 | paul.steffin@horrocks.com



I. GENERAL INFORMATION



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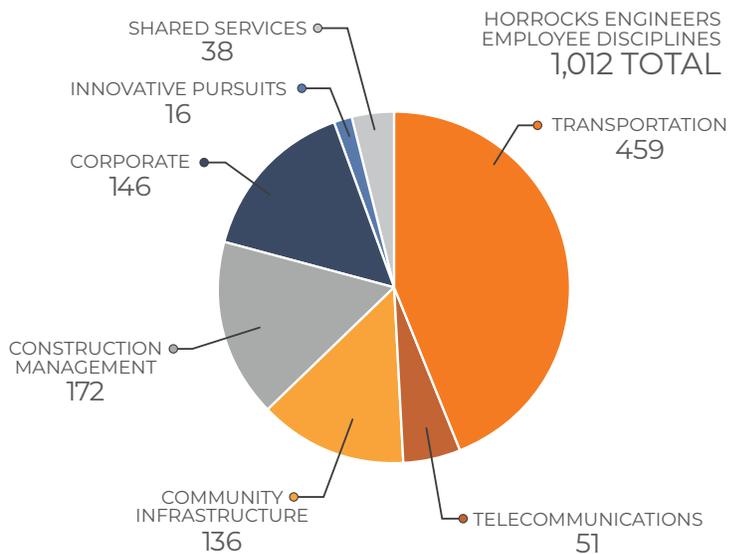
Provide name, address of respondent, and telephone number of respondent, and, if firm, when firm was established.

Established in 1968, Horrocks has gained a reputation as one of the premier firms in the western United States for providing quality design and engineering services. Horrocks is known for providing high-quality civil engineering services. With 57 years of experience in the planning, analysis, design, and construction management of transportation facilities throughout the western United States, we offer full-service engineering services from studies to construction management.

Our local office opened in 2016 and is located at **6001 Indian School Rd NE, Suite 250, Albuquerque, NM 87110** and our telephone number is (505) 553-1972. (DUNS No.: 073111676)

Provide number of employees, technical discipline, registration, and registration number.

Our offices in New Mexico have grown to 55 total staff throughout the state in the past nine years, with a corporate backing of 27 offices and over 1,000 staff throughout the US. Our team's disciplines and registration are provided in the Project Team Members section of the proposal.



1,000+ Employees Firmwide

26 Offices

55 Employees in New Mexico

Indicate where the services are to be performed.

Horrocks intends to self-perform the majority of the work on this on-call.

Horrocks | Albuquerque, NM Office
6001 Indian School Rd NE, Suite 250
Albuquerque, NM 87110

Subconsultant GEOMAT Inc. (geotechnical) will perform their work from 7901 Lorraine Court NE, Albuquerque, NM 87109.



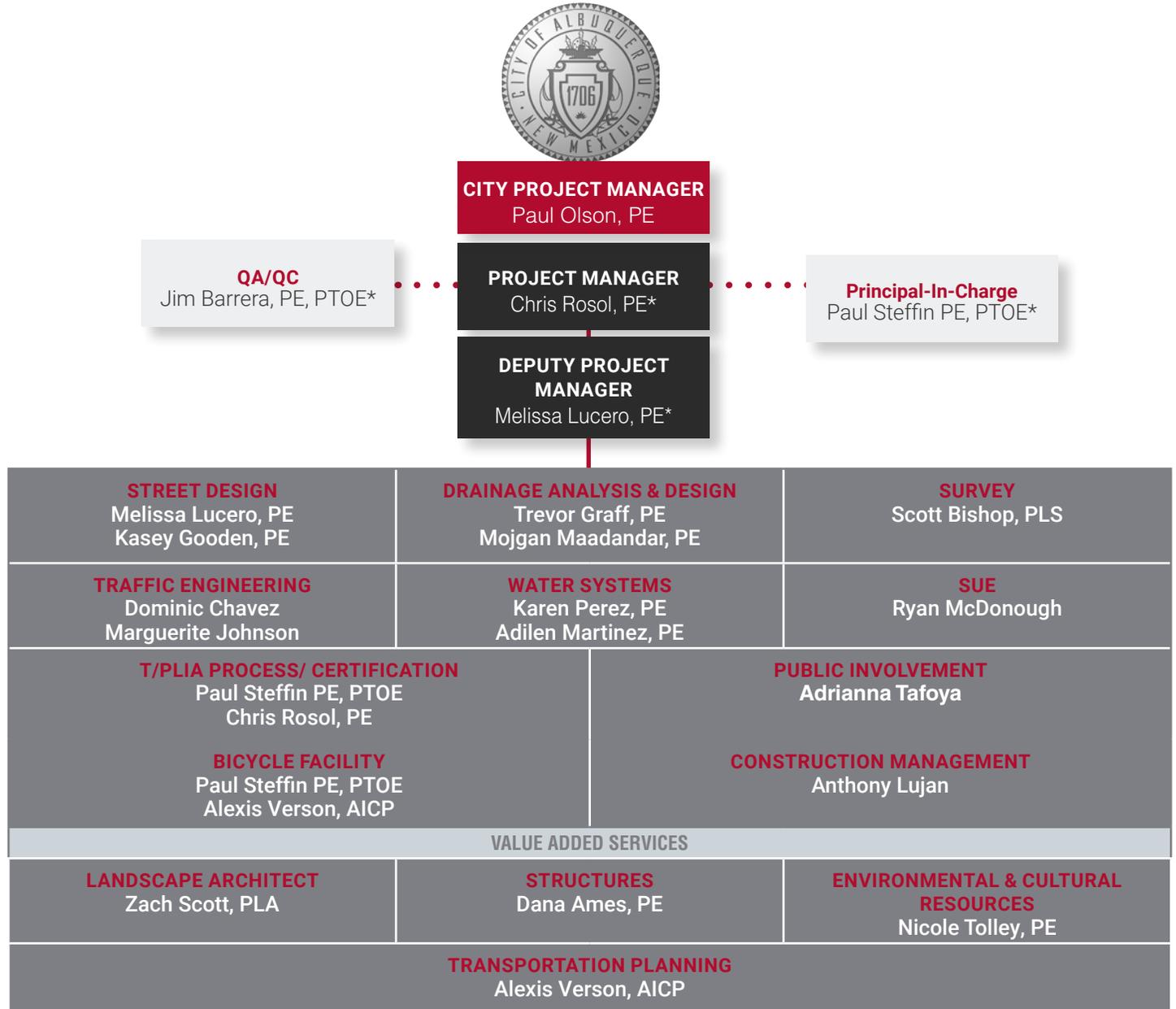
II. PROJECT TEAM MEMBERS



II. PROJECT TEAM MEMBERS

1. Organizational Plan for Management of the Contract

This on-call engineering contract will be managed by **Chris Rosol, PE**. He will coordinate the activities of the project team and assign appropriate task managers to individual task order assignments. The proposed project team has worked individually and together on previous City of Albuquerque projects.



**Key project team members*



KEY PROJECT TEAM QUALIFICATIONS



PAUL STEFFIN, PE, PTOE | PIC
NM PE No. 15352 (Additional PE: AZ, CO, ID, NV, TX, UT, WA WY) PTOE No. 2773
BS: Civil Engineering

Paul is a transportation engineer with more than 25 years of experience in team and project management and transportation engineering. As Principal-in-Charge he has a consistent record of delivering projects on time and within budget and a proven ability to carry out all aspects of client management, including leading business development, preparing scope and fees, ensuring client satisfaction, hiring and mentoring staff, providing proven QA/QC oversight and managing the financials for the transportation group. Paul is able to coordinate multiple projects and teams simultaneously. He is familiar with agency staff and technical requirements for completing projects for NMDOT, City of Albuquerque, and other agencies in New Mexico. **Related Project Experience:** NMDOT Traffic On-Call, NMDOT ITS On-Call City of Rio Rancho Traffic On-Call, Mid Region Council of Governments (MRCOG) On-Call, Sandia Pueblo EMS Signal Warrant, SR-147 Lake Mead Boulevard, Rio Rancho Street Light Standards Development.



CHRIS ROSOL, PE | PROJECT MANAGER
NM PE #: 17404 | BS: Civil Engineering

Chris has 23 years of transportation engineering experience. His expertise includes design of roadway geometrics, roadway corridor modeling using the latest design software including Autodesk Civil 3D, traffic design including signing, striping, signal layout, and construction MOT. He has provided engineering expertise for projects of varying sizes and complexities, including bicycle and pedestrian paths, two-lane rural roadways, and full urban interchange replacements. Chris has led and contributed to multiple corridor studies resulting in improvements to interstate operations, as well as safety and capacity improvements to rural roadways. Chris has served as Project Manager, Deputy Project Manager, and Lead Roadway Engineer for numerous state and local transportation improvement projects of all sizes and complexities, from local roads to interstate interchanges. He has supported projects through alternatives evaluation, preliminary and final design, and provided construction phase support. **Related Project Experience:** NMDOT I-40 Miyamura Ph1AB, 118 Gallup (Urban) Phase 1AB Study, SFCPW Encantado Road, COA McMahon - PM & HAWK, Tierra Pintada and Mirehaven Roundabout.



MELISSA LUCERO, PE | DEPUTY PROJECT MANAGER

NM PE: 28955 | BS: Civil Engineering

Melissa is a dedicated transportation engineer with a strong background in civil engineering, specializing in project management, roadway design, and traffic control. With over six years of experience,

she has successfully managed and contributed to numerous projects for various municipalities, including Bernalillo County and the City of Albuquerque. Her technical skills encompass AutoCAD Civil 3D, plan production, and traffic analysis, which she has applied in key projects such as the Amole Mesa Design and McDuffie Twin Parks Design. Melissa's ability to multitask and prioritize effectively has enabled her to handle multiple projects simultaneously while maintaining a high level of accuracy and attention to detail.

Her experience includes leading design efforts for roadway reconstruction, traffic calming measures, and utility coordination, demonstrating her proficiency in both technical and collaborative aspects of engineering. She has also played a pivotal role in developing traffic control plans and conducting feasibility studies, showcasing her problem-solving abilities and commitment to enhancing transportation infrastructure. Melissa's exceptional communication skills and organizational capabilities make her a valuable asset to any engineering team, as she consistently strives to deliver innovative solutions that meet the needs of her clients and the communities she serves. **Related Project Experience:** TR-15, Pueblo of Isleta,*McDuffie Twin Parks Design, *Amole Mesa Design, *Bishop's Lodge Road, *Unser Boulevard,*NM-122. **Project experience prior to joining Horrocks.*



JIM BARRERA, PE, PTOE | QA/QC

NM PE: 15723 | PTOE #: 968 | BS: Civil Engineering

As lead QA/QC, Jim will be responsible for ensuring in-house quality procedures are adhered to. He has over 31 years of planning, design, and construction engineering experience encompassing roadway and traffic design and construction management. Jim has directed multidisciplinary design teams through all stages of the project development process, from initial scoping through completion of construction, and is highly skilled in the communication and coordination necessary to ensure project objectives are clearly understood and executed by the design team. **Related Project Experience:** I-25 Reconstruction/Pavement Rehab. Phase I, I-25 Rio Bravo Interchange Reconstruction, Sunport Boulevard Extension; and US 550/NM528 Corridor Improvements.

Consultants Firm Information

GEOMAT Inc. is an owner-operated firm and has been serving the State of New Mexico since 2004. We provide geotechnical engineering, geotechnical drilling, quality assurance testing, and special inspection services.

GEOMAT, Inc. has extensive experience with geotechnical engineering. The engineers we have assembled for this project have over 100 years of combined experience and our staff of technicians and special inspectors collectively hold over 70 industry certifications.



ADDITIONAL SUPPORT STAFF QUALIFICATIONS

Name	Role	License	Education	Yrs. Ex.	Related Project Experience
Kasey Gooden	Street Design	PE		6	I-25 Comanche and Montgomery Interchange
Trevor Graff	Drainage Analysis & Design	PE	BS, Civil Engineering	11	I-25 Comanche and Montgomery Interchange, NMDOT Traffic On-Call
Mojgan Maadanda	Drainage Analysis & Design	PE	BS, Civil Engineering MS, Civil Engineering	8	NMDOT Drain On-Call
Scott Bishop	Survey	PLS	BS, Geomatic Technology	27	I-25 Comanche and Montgomery Interchange
Dominic Chavez	Traffic	PE	BS, Civil Engineering	2	NMDOT Traffic On-Call, I-40 MP 29.7 Drainage Improvement
Marguerite Johnson	Traffic		AS, Computer Drafting and Design BA, Environmental Planning and Design	15	I-40 MP 29.7 Drainage Improvement
Karen Perez	Water Systems	PE	BS, Agricultural Engineering	32	UNM SWEFC Water & Wastewater On-Call, Windy Point Phase III
Adilen Martinez	Water Systems	PE	BS, Civil Engineering	7	I-25 Comanche and Montgomery Interchange, I-40 MP 29.7 Drainage Improvement
Ryan McDonough	SUE		BS, Business	15	Tierra Pintada and Mirehaven Roundabout 2018 Statewide On-Call SUE; 2021 Statewide on Call SUE and Utility
Adrianna Tafoya	Public Involvement		BA, Counseling Psychology MBA	2	I-25 Comanche and Montgomery Interchange
Anthony Lujan	Construction Management			5	NWNMCOG Transpo/Utilities Eng Services, NWNMCOG Transpo/Utilities Eng Services
Dana Ames	Structures	PE	BS, Physics BS, Civil Engineering MS, Structural Design	37	NMDOT Bridge Design On-Call, NWNMCOG Transpo/Utilities Eng Services
Alexis Verson	Transportation Planning		BS, Urban Planning MA, Strategic Communication	14	2024-2028 NMDOT Planning On-Call, NMDOT PMD On-Call
Nicole Tolley	Environmental & Cultural Resources	PE	BS, Civil Engineering	21	I-25 Comanche and Montgomery Interchange, I-25 Gibson IC Reconstruction
Zach Scott	Landscape Architect	PLA	BLA, Landscape Architecture	16	I-25 Comanche and Montgomery Interchange, I-25 Gibson IC Reconstruction



III. RESPONDENT EXPERIENCE



III. RESPONDENT EXPERIENCE

RELEVANT EXPERIENCE

Horrocks staff have been serving the communities within New Mexico since opening our first office in the state in 2016. Many of Horrocks’ staff members have also supported several local communities in their prior places of employment for many years. Through our experience with local clients, we are familiar with the technical challenges the City faces in design and during construction; issues of local materials quality and sourcing, shortages of reliable, qualified contractors and skilled laborers, and a shortened construction season at high elevations.

We have strong working relationships with stakeholders throughout the State including Cities, Counties, and tribal entities such as the Bernalillo County, City of Santa Fe, City of Rio Rancho, City of Las Cruces.

We believe that Horrocks can become a trusted service provider to the City and we will strive to meet or exceed your expectations. *Some of our relevant regional experience is shown below, followed by project descriptions of our local noteworthy projects:*

Local Government	Planning	Funding Assistance	Trans Planning & Traffic Engineering	Drainage Systems	Sanitary Sewer Systems	Water Facilities	GIS	Plan Review	Traffic Signals/ITS	Construction Mgmt & Inspection	Transportation	Environmental Document/Study	Platting of Subdivisions	Surveying	Geotechnical Support	CFP/Impact Fees	Structures	Public Involvement	Utilities Coordination & SUE	Urban Planning	Right-of-Way
City of Albuquerque			•					•				•		•					•		
Town of Edgewood		•	•	•				•		•	•			•	•				•		•
Mescalero Apache Tribe	•	•	•	•	•	•	•	•		•	•	•	•	•	•		•	•	•	•	•
Sante Fe County	•		•	•				•		•	•	•		•					•		•
City of Albuquerque			•	•	•			•	•		•	•		•	•				•		•
Santo Domingo Pueblo			•	•				•		•	•			•					•		•
Isleta Pueblo			•	•				•		•	•	•		•	•		•		•		•
Pueblo of Laguna	•		•					•		•	•								•		•
City of Casa Grande	•		•	•	•	•		•	•	•	•			•					•		•
American Fork City	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pleasant Grove City	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Roosevelt City	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spanish Fork City		•	•		•			•	•	•	•			•	•	•	•	•	•	•	•
Francis Town				•	•	•		•		•	•			•	•				•		•
Bluffdale City	•	•	•	•	•	•		•		•	•			•	•	•	•		•		•
Heber City	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kamas City	•	•	•	•	•	•		•		•	•			•	•	•			•		•
Midway City	•	•	•	•	•	•		•		•	•	•	•	•	•	•			•		•
Alpine City		•	•	•	•	•		•	•	•	•	•		•	•				•		•
Hurricane City			•	•	•	•	•		•	•	•	•		•					•		•
St. George City			•	•	•	•			•	•	•	•		•	•				•		•
Grand County	•	•	•	•	•	•		•		•	•	•		•		•	•	•	•	•	•





EXAMPLE PROJECTS

TIERRA PINTADA BOULEVARD AND MIREHAVEN PARKWAY ROUNDABOUT

Albuquerque, NM | 2021-Ongoing

Horrocks is currently providing engineering services for the analysis, study, and final design of a roundabout at the Tierra Pintada Boulevard/Mirehaven Parkway intersection, located in southwest Albuquerque. Horrocks analyzed single-lane and multi-lane roundabout options during the study phase. The single-lane option was selected as the preferred alternative for the intersection. With the project team’s knowledge of roundabout design, the project has adhered to City and national design guidelines. The design should maintain the intersection’s existing multimodal facilities while providing a single-lane roundabout along Tierra Pintada Boulevard. Additionally, the project team is conducting a successful public involvement effort aimed at informing the surrounding communities of the project and providing opportunities to engage on the project via various communication channels.

HOW PROJECT RELATES TO COA ON-CALL:

- Study and design phase services for roadway, traffic, and drainage
- Adherence to standard guidelines
- Public meetings
- Adherence to City of Albuquerque design process and standards

Team Members & Responsibilities:

- Chris Rosol – Project Manager
- Trevor Graff – Drainage
- Ryan McDonough – SUE

Construction Cost: \$2,710,300

**Client Contact/Reference: Abe Bortz-Johnson
City of Albuquerque • 505-768-2778**

NMDOT DISTRICT 2 HAWK DEPLOYMENTS

Statewide, NM | NMDOT | 2023-2023

Under the New Mexico Department of Transportation (NMDOT) Traffic On-Call, Horrocks provided study and preliminary and final design services to identify appropriate locations for High-Intensity Activated crossWalk (HAWK) deployments in Hobbs, Lovington, and Portales. Multiple locations were evaluated based upon MUTCD criteria, and pedestrian and vehicle counts to determine the best locations for a crossing. Design plans were developed including ADA improvements, HAWK signal infrastructure, and signing and striping improvements. Horrocks coordinated with local electrical and utility companies to facilitate the construction of the improvements. HAWK signal standards and specifications were developed for the NMDOT for future deployments.

Horrocks provided engineering support during construction to review contractor technical submittals and attended construction coordination meetings as required.

HOW PROJECT RELATES TO COA ON-CALL:

- Study and design phase services for roadway and drainage
- Adherence to standard guidelines
- NMDOT/Bernalillo County coordination
- Public Engagement

Team Members & Responsibilities

- Jim Barerra - Project Manager
- Chris Rosol - QA/QC
- Paul Steffin - MOT Engineer
- Dominic Chavez - Traffic Engineer
- Ryan McDonough - SUE

Construction Cost: N/A

**Client Contact/Reference: Greg Clarke
NMDOT • (505) 490-2725**

SANDIA PUEBLO EMS SIGNAL WARRANT STUDY

Albuquerque, NM | Sandia Pueblo | 2022-2022

Horrocks conducted a signal warrant study to evaluate the proposed roadway impacts of a new Emergency Medical Services (EMS) facility along Roy Rd in Albuquerque, NM. The study followed procedures identified in the MUTCD to evaluate the impacts of vehicular and pedestrian traffic in addition to an evaluation of crash history. A traffic signal warrant study was completed to evaluate the appropriate intersection control method for the proposed development. Horrocks completed a Site Threshold Assessment (STH) for the site and coordinated the proposed access with the NMDOT for acceptance.

HOW PROJECT RELATES TO COA ON-CALL:

- Traffic study and alternative analysis
- Standard development
- NMDOT coordination

Team Members & Responsibilities

- Paul Steffin - Project Manager
- Dominic Chavez - Traffic Engineer

Construction Cost: N/A

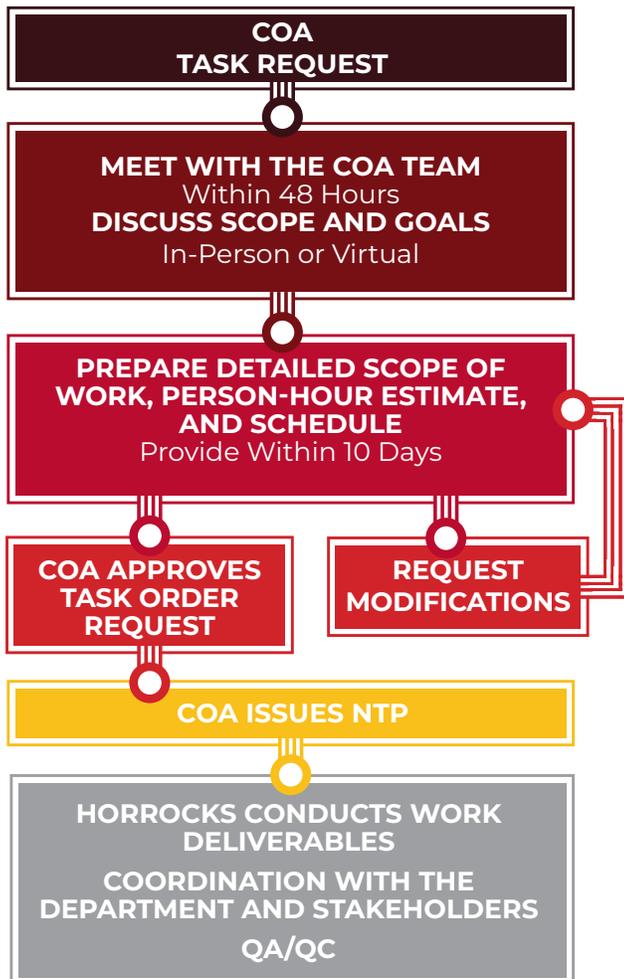
**Client Contact/Reference: Charles England
City of Albuquerque • (505) 771-5014**



Current New Mexico On-Calls:

- 2025-2028 ABCWUA On-Call
- 2025-2028 SFC CMO On-Call Engineering
- 2025-2027 UNM Professional Eng Services
- 2025-2029 BernCo On-Call - Local Funding
- 2025-2029 BernCo On-Call - Federal
- Rio Rancho Traffic On-Call 2022-2026
- Cooperative Educational Services (CES)
- COA Eng Services On-Call 2022-2026
- Grants On-Call Eng. Services 2022-2026
- MAT General Eng. On-Call 2022-2026
- CORR Engineering Services 2022-2026
- Las Cruces Traffic Engineering Services
- NECA Design Services (Navajo)
- NMDOT CPID OnCall 2024
- UNM SWEFC Water & Wastewater On-Call
- NMDOT Traffic On-Call U900440
- 2021 Statewide on Call SUE and Utility
- NMDOT CRD On-Call U900028
- NMDOT Drain On-Call U900461
- NMDOT D3 On-Call A302214
- NMDOT Bridge On-Call U900501
- NMDOT Culvert Inspection 2023 U900462
- NWNMCOG Transpo/Utilities Eng Services
- NMDOT D6 On-Call 6101680
- NMDOT CRD On-Call U900690
- CLC - Civil Engineering Services
- NMDOT SRD On-Call U900670
- NMDOT NRD On-Call U900680
- UWC USA Engineering Services
- NMDOT SUE On-Call U900641 2024
- NMDOT PMD On-Call U900780 2024
- NMDOT ID Augmentation U900800 2024
- CLC Traffic On-Call 2024-2028
- NMDOT PMD On-Call 9901100

ON-CALL PROCESS





ON-CALL EXPERIENCE

On-call work is one of our key specialties. On previous contracts, our team has reviewed plans; coordinated with staff and administration; supported in-house designs; provided reviews of municipal plans and reports; planned water, sewer, and road systems; identified funding sources and assisted with grant applications; designed city centers and created/hosted GIS databases of municipal infrastructure; among other consultant support services. Our qualifications are extensive in every facet of civil engineering. We recognize that delivering these services requires a combination of the right technical skills with the needed management skills. Horrocks is proud of our proven ability to deliver exceptional technical services with the management and leadership that elevate our teams to a high performance. Specific project management skills that are often needed and that we consistently demonstrate include:

Rapid Response: In our experience, we have found that task orders assigned through on-calls are often emergency-related or high-priority and therefore require rapid response.

Assigning the Right Staff: The first step in our approach will be to have the right technical teams assembled and deployed to deliver the needed scope.

Quality Management: Our approach to quality is embedded in our delivery teams and ensured through independent reviews provided by experienced technical leaders.

Project Management Systems and Reporting: We have ready-to-deploy systems for managing schedules and costs, and we provide easy-to-use reporting tools including our real-time dashboards.

We assist with the planning and design of transportation systems, while understanding the holistic needs of our communities to provide context-sensitive solutions that improve quality of life for residents. Horrocks holds on-call contracts and working relationships with many of the agencies that are covered by the NCNMEDD, including, City of Santa Fe, Santa Fe County, Pueblo of Pojoaque, Pueblo of Santo Domingo, and NMDOT.

Horrocks' engineers, planners, surveyors, urban designers, data analysts, PLA-certified landscape architects, and depth of support staff are well-equipped to provide transportation, planning, and hydrology services to our communities. We are comfortable navigating in spaces with many agencies and partners to bring stakeholders together in consensus.

PROJECT MANAGER EXPERIENCE



Our **Project Manager, Chris Rosol, PE**, will be the single point of contact for this on-call contract. Chris is familiar with the City's project development processes, having recently managed the McMahon Blvd HAWK and Lighting Improvement projects in addition to other tasks while at a previous firm. Through past project experiences she has gained knowledge of the Development Process Manual (DPM), the Design Review Committee (DRC), and City development ordinances such as Complete Streets and Stormwater Quality. Applying this knowledge and experience, Chris can effectively coordinate project development with Department of Municipal Development (DMD) staff as well as public and private stakeholders involved in the various stages of projects.

Chris has spent the majority of his career providing engineering services for public works projects. He has proven his capabilities in overseeing roadway infrastructure design incorporating drainage, utilities, signing, lighting, and bridge and pedestrian improvements.

Chris has managed various on-call contracts requiring varied engineering, environmental, and survey services for other local entities across the state including contracts with various municipal agencies, several counties, and NMDOT Districts. His projects with these entities successfully met planning documentation, adherence to NEPA processes, permitting, ROW and development of final design documents for federal funding requirements.



IV. TECHNICAL APPROACH



IV. TECHNICAL APPROACH

Horrocks' staff and team have been involved with on-call engineering contracts with a variety of clients across New Mexico including the City of Albuquerque, Bernalillo County, and NMDOT. While the size of projects and project types may change, our client requirements do not.

The nature of on-call contracts present unique challenges due to the variability in type, schedule, and required effort of assigned tasks. We understand that at the City of Albuquerque, projects often originate in the Mayor's Office or directly from City Council. They require immediate attention. To adequately meet the City's needs, a consultant MUST be responsive and have the appropriate resources available.

Describe respondent's understanding of the project scope.

Horrocks understands that assigned tasks may include the following phases, typical of municipal project development:

- **Study/Planning:** including project scoping, engineering analysis, environmental assessments, determination of ROW, and planning level design for Design Analysis Reports (DAR)
- **Preliminary Design:** including preparation of preliminary concept design plans, preliminary estimates for review by DRC, and coordination with stakeholders
- **Final Design:** including preparation of final construction drawing plans, specifications contract books, construction estimates for DRC signatures, and final ROW acquisition
- **Construction Services:** including construction inspection and observation, engineering, and management

The Horrocks team is immediately available to provide services for all or individual elements of these anticipated phases of work. We recognize that services requested under the on-call contract will cover a broad range and depth of engineering and construction services. The tasks may include:

- Roadway and roadside improvements
- Traffic analysis and design
- Highway and multimodal safety
- Intersection analysis and signal design
- Environmental
- Location and ROW surveying/mapping
- Drainage analysis and design
- Public involvement and agency coordination

- Permitting
- Construction engineering and management
- Preparation of documents for federal funding reimbursement requests

Describe how respondent plans to perform the services required by the project scope.

Our work plan is developed through our extensive understanding of the City's planning and design needs, combined with NMDOT processes and the nature of delivering on-call assignments. Horrocks offers staff with an exceptional range of experience implementing similar projects in similar circumstances. Our plan is structured to address the specific scope elements described in the RFP, based on actual applied processes and technical solutions that will produce actionable and implementable results.

Project Scoping

The following includes our basic approach to project scoping and development with the understanding that the details will be developed to fit the individual needs of each project. Through this entire process we will establish and maintain clear, consistent communication with the City to ensure we understand the project objectives, provide progress updates and findings, and address any concerns.

We will meet with the City within 24 hours of each task notification and will gather information on existing conditions, including collection of available data and preliminary assessment of existing conditions pertinent to the project. Elements could include traffic and safety data, field conditions, and environmental information. Angela will work with the project team to identify appropriate staff and develop the scope and fee of work for submittal to the City PM within one week of the task notification. However, we recognize that larger tasks involving subconsultants may take longer. Our experience in project development, design, and construction provides the City the added benefits of time and budget savings in the scoping and design process.

Study Phase Services

We understand that the level of study will depend on the size and scope of the individual project. Working with the City's PM, we will help establish the level and scope of study needed. Whether the task is a simple site drainage study or signal warrant analysis or a more complex FEMA-related project, our approach will follow the same fundamental steps.

1. **Alternatives Assessment.** Working with City project staff, we will establish and develop a clear understanding of the "What and Why" of the project by utilizing existing aerial imagery, topographic data, previous studies, available data, and design



documents. The project scope will be developed into a clear statement and referred to throughout the study process. Our creative, experienced team will utilize the collected information and apply design standards to project objectives to develop potential alternatives for evaluation. Build alternatives will be compared to the no-build alternative for final selection of the most appropriate alternatives that meet the project scope and eliminate inferior alternatives.

1. **Perform Detailed Analysis of Alternatives.**

Our team will conduct a thorough analysis of the remaining alternatives including gathering additional information, further advancing designs, and estimating costs. We will work with the City and stakeholders to discuss and determine preferred alternative(s).

1. **Final Studies.** Final Design Analysis Reports will be completed based on the progression and analysis of the study, including buy-in from the public and agency stakeholders.

Roadway Design

Capacity of the existing transportation infrastructure, planned maintenance, and planned replacement are not always on pace with the accelerated aging rate of infrastructure. Limited funding and community growth are forcing public agencies to stretch the limits of their resources and seek federal funding opportunities to provide solutions to maintain, expand, or replace roadways to meet the demands. *Roadway-related services will be led by Melissa Lucero. She has experience in the successful development of all elements of roadway tasks. Her experience ranges from municipal and interstate roadways to local intersection analysis and design.* Horrocks transportation staff will help the City provide creative, technically sound, cost-effective solutions to multimodal transportation-related needs. Our staff are attuned to the political and financial realities that impact the planning and construction processes and can incorporate the following proven principles and methodologies during planning and design:

- **Focus** on current system conditions and alternate future scenarios to make informed decisions on allocating resources.
- Integrate consensus-building with City project staff.
- Include **Value Planning** to balance available funding with mobility needs, public expectations, and community, legislative and environmental considerations.
- Include Efficient **development of alternatives** to maximize system performance, improve customer/public satisfaction, and minimize life-cycle costs.
- Conduct **Value Engineering** and **Constructability**

Reviews to reduce risk during construction, evaluate cost effective materials and eliminate redundant tasks and documents.

Along with the analytical components, Horrocks will develop and deliver documents for intersection improvements (such as roundabouts and signalized and stop-control conditions), corridor widening and road diets, traffic calming improvements, bicycle facilities design, lighting and permanent signing and striping. Our transportation team has extensive experience with the City's DPM, IDO, Complete Streets Ordinance, and review procedures. *The Horrocks team is well versed in Civil 3D and InfraWorks platforms to streamline designs.*

Preliminary and final roadway design will begin with a project assessment to determine the fundamental information needed. This may include topographic survey, geotechnical information, traffic data, drainage needs, utility information, pavement design, and ROW. We will collect information already available and develop other needed information. The project team will conduct primary design tasks specific to the type of project – roadway, drainage, structures, traffic, etc. We will establish construction bid items, quantities, and a cost estimate with contingencies appropriate for the level of design completion. Design information will be placed on preliminary plan/profile sheets along with notes and details that correspond with the level of design. *The Horrocks team is flexible and able to generate deliverables, including final plans and specifications, using any level of previous work completed.*

Drainage Design Services

The City owns and maintains robust, and in many cases, aging storm drain networks throughout the City. Drainage runoff characteristics throughout the City are as diverse as the terrain. Each area possesses unique drainage collection and conveyance design challenges. The City's DMD is tasked with developing measures for improving drainage conditions and protecting lives and property of its constituents, all with limited staff and resources.

Staff on our local Horrocks team has worked with City staff providing drainage assessment and engineering solutions for generations and are aware of the drainage mitigation issues. *Our drainage team, led by Trevor Graff, has the benefit of completing hydrologic analyses for various municipal and county clients across the southwest.* Horrocks intends to leverage drainage knowledge and expertise of the local staff with a diverse network of companywide engineers and technical staff. Our drainage assessments are compliant with the current City of Albuquerque DPM. Designs are compliant with City of Albuquerque standard specifications and details.

We utilize a suite of hydrologic assessment tools



including: HEC-HMS, SMS/SRH-2D, and Aquaveo WMS. When needed, we are adept at utilizing NMDOT Drainage Design Manual methods. Horrocks has completed numerous hydraulic evaluations on most types of storm drain features, including gravity storm pipes, culverts, detention ponds, weirs, orifices, channels, riprap, rivers, inlets, curb and gutter, pumps, flow control devices, water quality structures, natural channel stabilization structures, and other features. *Our experience uniquely qualifies us to help the City find the right solutions to hydrologic and hydraulic needs, studies, and designs.* Horrocks drainage engineers utilize a collection of hydraulic systems analysis tools, including HEC-RAS, StormCAD, Hydraflow Storm Sewers, Bentley CulvertMaster, and Bentley FlowMaster. Horrocks is experienced and knowledgeable in state and federal stormwater management practices, including local MS3 requirements. We are committed to incorporating Best Management Practices and Low Impact Development (LID) methods in our designs.

The foundation of our Floodplain Evaluation and Management services is in Horrocks' extensive experience with FEMA policies and procedures and working requirements of 44 CFR, Part 65, and FEMA Guidelines for Specifications for Flood Hazard Mapping Partners. We are familiar with the City's review processes for developments in the various FEMA designated flood zones and are prepared to develop the necessary models and documents for submission of Letters of Map Revision (LOMR) and if needed, physical map revisions (PMR) to Region 6.

Obtaining regulatory permits are essential to the success of any project. Horrocks will provide an early determination of the Clean Water Act Section 401/404 permitting requirements and coordinate with City staff on appropriate permitting strategies.

Traffic Design

Horrocks has successfully completed numerous traffic operational analyses; transportation management studies; and corridor, alignment, intersection type selection, circulation, traffic signal warrant, and safety studies. For traffic-related projects assigned under this on-call contract, Horrocks will meet with the City PM to clarify the objective of the study, determine data needs, and decide on the most appropriate method and/or software for performing the study.

Our local traffic team, led by Dominic Chavez, PE, has extensive experience providing safe and effective traffic solutions to growing communities across New Mexico. While at previous firms, several of our key staff completed numerous traffic studies for previous on-calls with the City of Albuquerque. Our team can effectively complete most traffic operational analyses by using microscopic methods such as Synchro, Vistro, Sidra, or

Highway Capacity Software (HCS). For more complex project operational analyses (unique geometry, special traffic control needs, multimodal), a microsimulation model may be more appropriate. Our staff are proficient in the use of SimTraffic, TSIS-CORSIM, and Vissim. These packages are also valuable in that animations of future conditions can be generated for use with project stakeholders.

While Horrocks is capable of travel demand forecast modeling, we would expect to collect such data for City projects from the Mid-Region Council of Governments (MRCOG) and the Regional Travel Demand Models in EMME/2. MRCOG typically provides raw base-year and forecast-year link volumes, which Horrocks could adjust using current traffic counts. We can distribute the model link volumes at a proposed future intersection using Fratar or other NCHRP 765 methods to estimate future turning movements for design purposes. Our team members have completed numerous traffic, all-way, and pedestrian hybrid beacon (HAWK) warrant studies. The integrity of our internal system of calculations and results are always independently reviewed to ensure accuracy.

Intelligent Transportation System (ITS). As a firm, Horrocks has prepared many concept reports and designs for ITS deployments from single-device projects to major system expansions. *ITS Lead, Dominic Chavez, PE, has extensive ITS experience with the NMDOT.* Furthermore, Horrocks team member, David Wilson, is a founding board member of the ITS/New Mexico Chapter and served many years as BOD Vice President. Our team has completed numerous ITS assignments including designs and reports and have a solid working relationship with the City Traffic Engineering Department, NMDOT ITS, and Regional Transportation Management Center (RTMC) staff.

Horrocks will help the City explore concepts, prepare benefits analyses, and provide project planning and development of ITS operations concepts. We can then guide the City through system definition requirements and high-level design and detail subsystem requirements.

Signalization and Lighting. Signalization methods are constantly advancing to meet the needs of the traveling public and to provide safer conditions for all modes of travel. Whether the City is looking to incorporate corridor lighting and intersection lighting or to provide new signals, upgrades to, or replacement of an existing signalized intersection, Horrocks has experienced professionals capable of providing these services to the City.

Horrocks has developed signal synchronization plans to improve progression and minimize delays. We can utilize Synchro to assess traffic movements along various



corridors and develop optimized timing or interconnect plans for projects. Development of multimodal corridor lighting will promote safer pedestrian and recreational use.

DRC and NMDOT PS&E Submittals

Preliminary, 60%, and 90% plans will be submitted to the City's DRC and Horrocks staff will meet with the DRC members and address comments. Final analysis, design recommendations and construction documents will be prepared in adherence with the DPM, PROWAG Guidelines, Standard Specifications for Public Works Construction, Standard Detail Drawings, Supplemental Specifications, and appropriate federal guidelines and manuals. When necessary, project documents will be provided to NMDOT for review in accordance with NMDOT's Plans, Specifications and Estimate (PS&E) process. Horrocks will support the City throughout the PS&E process to ensure needed NMDOT approvals are gained.

Public Meetings

We will work with the City to uphold their values and transparent communication style while minimizing risk with key stakeholder, agencies, businesses, property owners, facility users, and the general public through our public involvement program. The Horrocks team is prepared to conduct virtual, contemporary, or hybrid outreach activities. Our team has planned, advertised, developed materials, and conducted numerous transportation-related online public events for projects across various states including the City and NMDOT. Each communication material was tailored to a specific audience with the ability to interact with project team members and submit feedback in real time. Through the course of these efforts, we have successfully reached nearly 18,000 people and managed more than 300 real-time, virtual interactions with members of the public through a variety of on-line event platforms, including Zoom, Facebook Live, Twitter Live, Prezi, Public Input, etc.

Federal Funding/Certifications

Certifications. We understand that assignments under this contract may use a variety of funding sources, including those that follow the NMDOT's certification process. While the funding is often welcomed, the requirements it brings can seem burdensome and missteps can lead to scheduling delays and even potential loss of funding. Our staff has extensive experience working within the NMDOT's local T/LPA program and has also attended extensive trainings on the process requirements, including recent updates. We can assist the City in following the process through all phases including project planning, scoping, environmental, design, certifications, construction, and closeout.

Paul Steffin, PE, PTOE, is an industry veteran with over 25 years of local experience. He will help guide task assignments involving local lead and certification requirements. Additionally, Horrocks performs all SUE, utility coordination, and utility certification requests in-house. We will also self perform any required environmental documentation or studies and prepare any required ROW mapping. Horrocks is well versed in completing the NMDOT certification process and will prepare all certification requests, including those for ITS, utilities, railroad, cultural and environmental, MOT, and ROW and can further assist with payment requests, maintaining audit files, and NMDOT required software such as B2Gnow. Horrocks maintains strong relationships with the local NMDOT D3 and General Offices in Santa Fe which further enhances our ability to deliver projects, start to finish, through the NMDOT oversight process.

Accounts Payable Assistance and Funding Reimbursements. Horrocks recognizes the value of experience with construction management and funding reimbursement tools utilized by federal agencies state governments, including B2Gnow and LCP Tracker. Horrocks staff have assisted clients with completing, submitting, and tracking funding reimbursement requests and project progress documents to ensure reimbursements are submitted in a timely manner.

Environmental Investigations. From full-scale environmental impact statements (EISs) to Categorical Exclusions (CEs), we develop solutions that meet our clients' needs, address agency requirements, and are sensitive to community goals. Throughout the life of a project, our team will successfully guide the City through the complex process of obtaining permits and approvals. We have a thorough understanding of permit regulations, agency requirements, and application procedures, as well as how various permitting agencies function. Our approach to project success involves early resource studies to identify permitting requirements, constraints, and opportunities for project design; proactive public involvement programs; concise and reader-friendly environmental documents that address relevant issues; and comprehensive project records and quality-control processes that result in high-quality, legally defensible compliance documents.

Bidding and Construction Phase Services

Our Principal-in-Charge and construction expert, Paul Steffin, will lead this effort. We understand that time is of the essence in making engineering decisions during active construction. Our team members are ready to serve the City by reducing burdens, assisting in decisions, and coordinating with contractors.

We also understand the importance of documentation and will provide this as appropriate.



Requests for Information (RFIs), Design Clarifications.

Depending on the specific need, the appropriate team member(s) will be assigned to evaluate the request and prepare a response. If needed, we will discuss with other team members or City project staff to produce an accurate, beneficial response. We will work to provide responses in a timely manner and will communicate time frames in which responses can be expected.

Review of Contractor-Proposed Cost Savings, Review of Proposed Price Changes. We will gather facts that pertain to the request and make sure we understand not only the request itself, but current field conditions, original contract including plans and specifications, previous commitments or agreements, and other pertinent information such as potential utility conflicts. This may include reviews of similar projects, research on equipment and personnel rates, or quantity reviews such as earthwork. Our findings will be documented and presented to the City in a timely manner for discussion and review.

Survey and ROW

Parametrix can provide standalone survey work or perform design surveys for study and design projects identified under this on-call contract. The approach to these types of tasks will be to identify the level of survey effort needed for a particular project, collect the field survey data using the appropriate data collection methods, research ROW and property ownership documents as needed, and prepare final deliverables. Our team can provide services for the preparation of ROW maps, boundary and subdivision plats, easement descriptions, monumentation plans, and surveys.

The Horrocks team brings exceptional experience with City and NMDOT ROW processes. This experience will be valuable to the City as we make sure the plans conform to established requirements, allowing an efficient review and final editing process. Our team will develop right-of way mapping delivered in KMZ files using field and office survey information and data gathered from existing City and County ROW maps. The project team will generate mapping that establishes the limits of existing ROW and defines new ROW for Temporary Construction Easements (TCEs), Construction Maintenance Easements (CMEs), acquisition, and other purposes. We will provide legal descriptions as directed by the City as needed for each project. The project team will implement a quality mapping process to ensure that ROW documents are in compliance with local (and NMDOT, if necessary) requirements.

Quality Program

Horrocks realizes that a vigorous quality program has many benefits, including improved final deliverables and increased protections for both the owner and the consultant engineer. We review each potential project

and RFP carefully to first determine if the proposed scope aligns with our capabilities and capacity to complete the work. We only pursue on-call contracts and projects that we are qualified to perform and feel that we have the necessary resources to provide a quality project.

After successful selection, we will implement a project specific quality plan. Our quality assurance program is based on implementing proven workflows throughout the project lifecycle. This takes place through the various stages of the project and is shared with the project development team, including subconsultants. A copy of our quality plan and quality related reviews and documents will also be available for review by the City. Our quality plan for the project will include the following elements:

- **Initiation:** Team members and contact information are identified; necessary communication plans are summarized; project goals are summarized; and project schedules are outlined. Project budgets, including construction cost budgets and development task budgets, are communicated to all team members.
- **Development:** Formats for deliverables including plans and reports are identified; controlling design documents (such as the DPM) and their locations are summarized; design data such as traffic volumes, design and posted required speeds, sight distances, and similar values are summarized for the team.
- **Quality control during development:** Horrocks will implement a multi-pronged approach to quality verification on each project. First, it is Horrocks policy that all work deliverables be independently reviewed prior to submission to the City. This not only includes the actual plan set documents, but includes all deliverables such as cost estimates, the DAR, public involvement materials, and other presentation materials. Additionally, these reviews are completed within a framework of two tiers:
 - **Tier 1** – A standard review and focuses on the specific deliverable being reviewed. This review generally answers the broad question: “does this deliverable meet the intended purpose?”
 - **Tier 2** – A more in-depth review that also includes review of materials leading up to the development of the deliverable. This will typically include review of the contracts, amendments, environmental documents, and other project communications. This review is intended to confirm the broader question: “did we accomplish what we said we were going to accomplish?”



Horrocks will also maintain a comment register. Comments received from the City or other agencies will be entered in the register and returned to the City PM with our responses. The intent of the comment register is to assist the City's PM and other reviewers in confirming their comments were addressed. The register also helps facilitate communications when more information is needed on a particular comment or if further discussion is warranted. All subconsultant deliverables to Horrocks are reviewed for general acceptance.

Our quality approach to the City Wide Engineering Services On-Call is supported by our constructability review process. Horrocks operates a fully staffed Construction Management (CM) group from our Albuquerque office. This group has extensive experience in overseeing the construction of large and small infrastructure projects throughout New Mexico. Our CM personnel are skilled at identifying project elements that may increase cost, extend schedule, complicate construction, and result in change orders. Our CM staff will complete a review of the plans and supplemental specifications at approximately the 60% complete and pre-final stages to further help identify challenges that may occur during construction on each project. As always, the City is welcome to participate in this review. Materials generated will be provided to the City.

Describe specialized problem solving required in any phase of the project.

At Horrocks we pride ourselves in being industry leaders. We believe our people are our greatest strength. We continuously investigate processes and programs to improve services to our clients. Horrocks staff are encouraged to remain current with industry changes, trends, and technologies through regular attendance at external and internal training courses and conferences.

GIS Database and SUE Investigation. Both time and cost savings have been achieved by having the Horrocks GIS team work closely with our SUE field crews, survey crews, and CAD technicians to pull existing utility CAD files into a GIS database. The GIS database will integrate the existing utility line work, photos of the utilities, and other pertinent documents and information. Our GIS database is used to quickly create SUE structure sheets and test-hole data sheets. These sheets include maps of utility locations and the information collected in the field. GIS databases can be used to facilitate information sharing within City project staff and the utility agencies. This feature can be included in the project for a very modest cost, but significantly improves coordination and information exchange with stakeholders.

Web-Based Utility Models. Through our experience in GIS, we have developed a process to maintain a GIS database with near-real-time updates. The database

powers online interactive web and mobile maps that allow project managers, designers, and utility companies (as allowed by the City) to see the data that has been collected and to gauge the status of a project. Utility features can contain information about size, material, and ownership. Furthermore, the information can be accessed by novice users. The models prove useful during meetings with utility agencies for the identification and resolution of conflicts.





V. COST CONTROL



V. COST CONTROL

Describe cost control and cost estimating techniques to be used for the project.

Cost Estimating

Effective collaboration will be key to controlling costs. We will provide an environment that enhances the decision-making process and engages all stakeholders.

To ensure costs are estimated and controlled throughout the project duration, we will hold bi-weekly in-house team meetings with project staff and thoroughly review project progress, including current cost estimates. We will then hold progress review meetings with the City at a set day and time each month, or as necessary, to review the budget and schedule. We use Deltek Vantagepoint management software to track our costs in real time and compare to project progress.

We develop our unit cost estimates using a number of cross-check methods, including historical City cost information, the Bid Express (bidx) unit price database, NMDOT unit cost database, and our own database of cost information. Some unit costs, such as those related to commodities, can fluctuate greatly during different economic cycles and we will discuss the impacts of this with the City should such a risk be identified.

Cost Control of the Design Process

Horrocks understands that developing a design that meets project budgets is an essential aspect of project development. We will prepare an updated construction cost estimate at each milestone submittal. Each prepared estimate will be compared to the available project budgets. Should an overage exist, we will immediately notify the City's PM and begin identifying possible solutions. We will also notify the City's PM should the estimated cost be significantly lower than the budget. This is to help ensure that no intended project elements have been unintentionally omitted.

Cost Control of the Construction Process

We use a combination of tools and techniques to monitor, manage, and control costs. Drawing upon extensive experience, we will prepare and maintain a resource-loaded schedule and a project lifecycle graph with a performance baseline. Monthly, our assigned Project Managers will chart progress vs. time vs. cost and compare it to the performance baseline. Any issues related to work progress that are identified in the reviews will be immediately communicated to the City. Horrocks' claims avoidance approach is centered around the importance of communication. We believe that open and regular communication

results in fewer unexpected situations and surprises. It is often these unforeseen items that contribute to claims. Our project managers and design teams are trained to communicate with the contractor and their personnel in a professional, clear, and concise manner. The Horrocks team will work closely with the City's staff or respective contractor to make sure that the plans and specifications are followed. We will resolve any matters that the contractor brings to our attention at the lowest level possible, and within an acceptable time frame.

Provide comparisons of bid award amount to final cost estimate for projects designed by the respondent during the past two (2) years. The consultant may provide justification for any discrepancies that may exist with this information.

Name of Project	Date	Bids	Final Cost Estimate	Bid Award Amount
Tierra Pintada	Feb 2024	2	\$2,049,123.25	\$1,856,399.00
D2 HAWK Deployment	Nov 2024	2	\$1,429,645.20	\$1,595,758.00



VI. CERTIFICATIONS



VI. CERTIFICATIONS

City of Albuquerque Capital Implementation Program

Agreement and Insurance Certification

We have reviewed the standard agreement for Engineering or Architectural or Landscape Architectural Services that are required for the project listed below, and hereby certify that we will, if selected for the project, enter into this standard agreement for this project and meet all insurance requirements listed therein.

This Certification is intended for the use of the City of Albuquerque only, in conjunction with the award of the Engineering or Architectural or Landscape Architectural Services Agreement for Project:

Project Name City Wide On-Call Engineering Services for Transportation and Storm Drainage

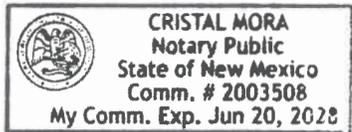
Project Number 138.02

Date 07/08/2025 Firm Name Horrocks, LLC

Signature

Title Paul Steffin, PE, Principal-in-Charge

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)



The above Certification was subscribed before me, the undersigned authority, by:

Paul F Steffin

who swore upon oath that this Certification was signed of free act and deed, on this

9 day of July, 2025

(Notary Public)

My commision expires: June 20, 2028



City Wide On-Call Engineering Services for Transportation and Storm Drainage

Project No. 138.02 | July 9, 2025

MOLZENCORBIN
ENGINEERS | ARCHITECTS | PLANNERS

MOLZEN CORBIN

July 9, 2025

Ms. Christella Armijo, Administrator
Selection Advisory Committee
Department of Municipal Development
One Civic Plaza, 7th Floor, Room 7057
Albuquerque, NM 87102

RE: Project No. 138.02, City Wide On-Call Engineering Services for Transportation and Storm Drainage

Dear Ms. Armijo and Members of the Selection Committee:

As a locally based firm, Molzen Corbin is uniquely positioned to provide the City of Albuquerque with the best of both worlds—high-quality, high-value engineering services delivered quickly and efficiently at competitive local rates. Our deep experience with on-call contracts and long-standing knowledge of the City's infrastructure and processes make us a reliable and responsive partner. Please consider the following benefits of the Molzen Corbin team:

- **Rapid Project Turnaround:** Molzen Corbin pioneered on-call engineering services in the 1980s, and today, our firm is built around rapid response to public sector needs. We work almost exclusively with municipal clients, many of whom we've served for decades. Our engineers are local and accessible—ready to be on-site within minutes and deliver timely, effective solutions.
- **Exceptional Value:** With a business model tailored to public agencies, we are highly experienced in delivering impactful results within tight budget constraints. Our team is focused on maximizing value in every project, conversation, and task.
- **Proven Local Expertise:** Headquartered next to the Albuquerque International Sunport, Molzen Corbin has provided uninterrupted aviation engineering services there for over 50 years. Our in-house Civil, Electrical, Water Resources, and Architectural teams have supported a wide range of City projects—from stormwater lift stations and roadway lighting to full street reconstructions. We know the City's standards and processes well and can navigate them efficiently.
- **Trusted References:** We invite you to speak with our on-call clients—Molzen Corbin has served in roles ranging from municipal engineer to construction observer for more public agencies across New Mexico than any other firm.

We are confident the following submittal highlights the many advantages of selecting Molzen Corbin as your engineering partner. Should you have any questions, please do not hesitate to contact me at (505) 242-5700. We appreciate your consideration and look forward to the opportunity to serve the City of Albuquerque.

Sincerely,

MOLZEN CORBIN



Kevin Eades, PE
President and CEO



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Required Forms

- Agreement and Insurance Certification
- Pay Equity Reporting Form
- Insurance Certificate

*Per the RFP, we have included our Insurance Certificate in lieu of the notary stamp.



I. GENERAL INFORMATION

About Molzen Corbin

Molzen Corbin is a nationally recognized firm with strong roots in New Mexico. Founded in Albuquerque in 1960, we are proud to employ 86 professionals who believe in the value of living and working in this great state. We understand the challenges our clients face and treat their goals as our own.

As a trusted extension of our clients' teams, we bring decades of technical expertise and practical experience to deliver solutions tailored to each project's unique needs. Our in-house staff includes civil, electrical, and water resources engineers; architects and landscape architects; grants administrators; surveyors; and construction observers—providing clients the efficiency and cost-effectiveness of a fully integrated team.

We are structured to respond quickly and effectively to the day-to-day demands of our clients. Currently, we hold 57 on-call contracts with municipalities across New Mexico, including three with the City of Albuquerque: one for Transportation and Storm Drainage, and two with the Aviation Department. The majority of our work comes from repeat clients who rely on Molzen Corbin as a trusted partner in supporting their communities.

Name, Address, Phone, and Date Established

Molzen Corbin was established in 1960. Our corporate offices are located at 2701 Miles Road SE, Albuquerque, New Mexico, 87106, (505) 242-5700.

Employees, Disciplines, Registrations

We offer a staff of 86 professionals and support personnel (see breakdown by discipline below). Our registrations include the following:

- **Secretary of State Business ID Number:** 493510
- **New Mexico Resident Business Certificate Number:** L0668850800
- **SAM Unique Entity ID:** HEHUJYALZUK9

For registration data of project team members, please see our résumés on pages 2 through 4.

In-House Staffing Breakdown

Architecture Dept.....	9
Civil Engineering Dept.....	19
Water Resources Engineering Dept.....	16
Electrical Engineering Dept.....	6
CAD/Design Technicians.....	10
Construction Observers.....	8
Surveyors.....	4
Grants Specialist.....	1
Computer Specialists.....	1
Administrative/Clerical.....	12
Total Molzen Corbin Staff.....	86

Where Services are to be Performed

Molzen Corbin
Albuquerque Office
 2701 Miles Road SE
 Albuquerque, NM 87106
 (505) 242-5700

Geo-Test, Inc.
Geotechnical Engineering
 8528 Calle Alameda, NE
 Albuquerque, NM 87113

High Mesa
Surveying/ROW; SUE/Potholing
 6010 Midway Park Blvd. NE, Suite B
 Albuquerque, NM 87109

PathFinder Environmental, LLC
Environmental Services
 1800 Old Pecos Trail, Suite E
 Santa Fe, NM 87505

Civil Transformations, Inc.
Traffic Analysis
 2929 Coors Blvd. NW, Suite 102F
 Albuquerque, NM 87120



II. PROJECT TEAM MEMBERS

Organization Plan

We propose a highly qualified project team, whose members have completed successful projects on an on-call basis for municipalities throughout New Mexico, and who have supported the City of Albuquerque on an on-call basis for more than 30 years. Molzen Corbin has a solid track record for meeting project schedules, including condensed schedules. Our project experience, depth of staff, and technical expertise enable us to quickly mobilize our resources to align them with concurrent activities on complex projects.

Based on our extensive experience, the depth of our staff and our familiarity with your processes, administration, and infrastructure, we can unequivocally state that we will be able to accommodate the City's project needs, including any and all specialized services, to meet any necessary time limitations. We bring you the most knowledgeable and talented individuals to address your needs during the course of this on-call contract. An organizational chart is shown in **Figure 1**. Résumés, specific qualifications, and experience of key team members are listed on the following pages.



Kevin Eades, PE: Principal-in-Charge

NM PE # 14481 | B.S., Civil Engineering, NMSU | 31 Years of Experience

Mr. Eades is the President and CEO of Molzen Corbin, bringing 31 years of experience in project management, master planning, and design. He leads the firm's operations with a focus on client relationships, strategic growth, and overall performance. He has served as Client Services Manager on numerous long-term on-call contracts, including **the Town of Bernalillo (28 years), the City of Belen (26 years), the Village of Los Lunas (26 years), and the Village of Tijeras (24 years)**, overseeing projects across all engineering disciplines.

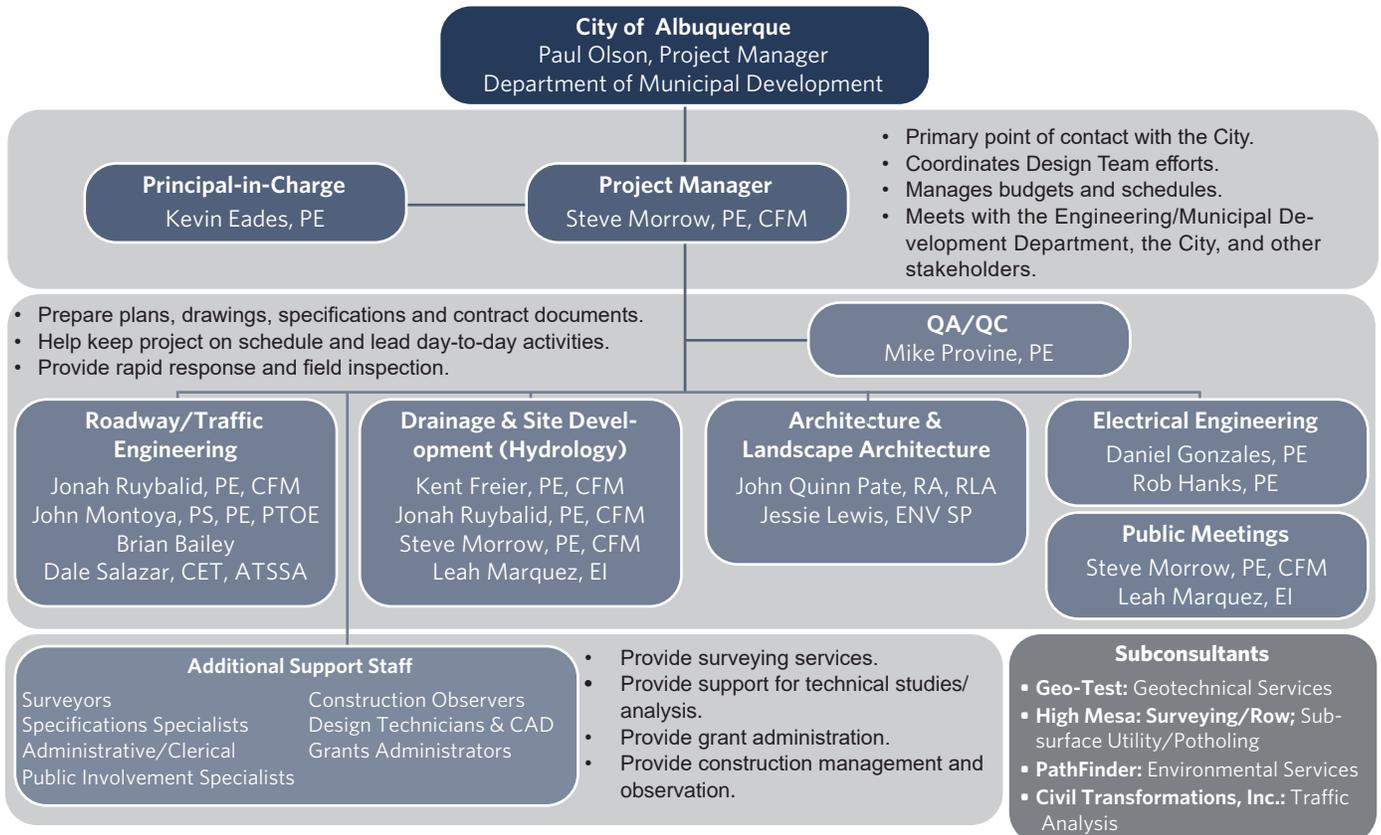


Figure 1. Molzen Corbin's project team can deploy quickly to any area within Albuquerque and is ready to respond rapidly to City of Albuquerque projects as they arise.



Steve Morrow, PE, CFM: Project Manager

NM PE # 13679, NM CFM # 11-00288 | B.S., Civil Engineering, NMSU | Memberships: ASCE, Chi Epsilon (the Civil Engineering Honor Society), NM Flood Plain Manager's Association | 32 Years of Experience

Mr. Morrow is a highly experienced civil engineer and certified floodplain manager with over 32 years of expertise in design and construction engineering. At Molzen Corbin, he oversees a diverse array of design projects within the Water Resources and Civil Departments. His extensive background encompasses transportation, drainage, water, sewer, and storm drain design, along with construction management.

Notably, Mr. Morrow served as the Project Engineer for the Aviation Center of Excellence, an 80-acre commercial development in Albuquerque. From 2007 to 2012, he managed all public works construction at the 11,000-acre Mesa del Sol development in Albuquerque. This included arterial roadways with storm drainage, sewer, and water infrastructure, a residential subdivision, a 2-million-gallon elevated water storage tank, and landscaped parks and trails. Further examples of Mr. Morrow's recent experience with the City of Albuquerque are listed on page 11.

Team Member	Qualifications
<p>John Montoya, PE, PS, PTOE: Roadway/Traffic Engineering Registration: NM PE #12426; NM PS #13057; PTOE #34267 Education: B.S., Civil Engineering Technology, NMSU Memberships: National Society of Professional Engineers, NM Professional Surveyors/American Congress on Surveying and Mapping</p>	<p>Mr. Montoya has 39 years of experience as a project manager, engineer/technician, and construction observer on transportation projects. These projects have included residential streets, highway design, urban arterials, traffic control, traffic signalization, roadway alignment studies, right-of-way acquisition, drainage and grading design, stormwater detention basin design, storm sewer design, site development, and parking lot design. Experience: I-25/University Interchange Improvements (Las Cruces), NMDOT.</p>
<p>Brian Bailey: Roadway/Traffic Engineering Education: A.E., Civil Engineering and Surveying Technology, Vermont Technical College</p>	<p>Mr. Bailey has 44 years of professional experience designing bridges and highways. He has completed several projects with the NMDOT and the City of Albuquerque, and is very familiar with Bernalillo County roadways. Experience: West Central Avenue Improvements, Albuquerque; Unser Blvd., Albuquerque; I-25/NM 14 (Cerrillos Road) Diverging Diamond Interchange (DDI), NMDOT; I-10 Six-Lane Project, NMDOT; and I-10/NM 404 Interchange, NMDOT.</p>
<p>Dale Salazar, CET, ATSSA: Roadway/Traffic Engineering Registration: Traffic Control Supervisor, ATSSA; Transportation Engineering Technology Design Level I – NICET Education: A.S., Drafting/CAD Management, Muir College</p>	<p>Mr. Salazar brings over 34 years of experience as a senior design technician, specializing in airport improvements and civil engineering design. He has successfully completed over 23 projects for the City of Albuquerque's Aviation Department. Experience: Unser Boulevard, Albuquerque; Atrisco Vista Boulevard (Double Eagle II Access Road) Reconstruction and Runway 4-22/Taxiway A Reconstruction, Double Eagle II Airport (Albuquerque); and Long-Term Parking Reconstruction, Albuquerque International Sunport (Albuquerque).</p>
<p>Kent Freier, PE, CFM: Drainage & Site Development Registration: NM PE #8182, NM CFM# 13-00337 Education: BS, Civil Engineering, Texas Tech University Memberships: ASCE, American Association of Airport Executives (AAAE), NM Flood Plain Manager's Association</p>	<p>Mr. Freier's 46 years of experience includes nearly every facet of storm drainage including flood control dams, emergency spillways. Roadway experience includes design of urban arterials, rural highways, and residential streets. Experience: Sunport Rental Car Facility (grading and drainage for 55-acre site), Albuquerque; Lomas Boulevard/Eubank Boulevard Intersection Improvements, Albuquerque; and Sunport Boulevard, Albuquerque.</p>
<p>Jonah Ruybalid, PE, CFM: Roadway Engineering/ Drainage & Site Development Registration: NM PE #23909, NM CFM #12-00315 Education: B.S., Civil Engineering, NMSU</p>	<p>Mr. Ruybalid, a Professional Engineer and Certified Floodplain Manager, brings over 12 years of experience in civil and water resources engineering, with expertise in roadway design, drainage systems, site development, and sewer and water line planning. Experience: Sunport Boulevard Extension Drainage Analysis/Design, City of Albuquerque/Bernalillo County; and I-25/NM 14 (Cerrillos Road in Santa Fe) Drainage Analysis/Design, NMDOT.</p>
<p>Leah Marquez, EI: Drainage & Site Development Registration: NM EI # 7768 Education: M.S., Civil Engineering, NMSU; B.S., Civil Engineering, NMSU Memberships: NM Airport Manager's Association</p>	<p>Ms. Marquez is a licensed Engineering Intern with over four years of experience supporting public works projects, with a strong focus on drainage and site development. She is proficient in AutoCAD, Civil 3D, and various hydrologic modeling tools, and has contributed to drainage studies on multiple NMDOT projects. Experience: Preliminary Drainage Study and Design for I-25/University Interchange (Las Cruces), NMDOT; Preliminary Drainage Study for I-25/San Antonio, NMDOT; and Drainage Masterplan, NMSU.</p>
<p>John Quinn Pate, RA, RLA: Architecture & Landscape Architecture Registration: NM RA #1784; NM RLA #87 Education: B.A., Architecture, University of New Mexico Memberships: American Institute of Architects</p>	<p>Mr. Pate is a Vice President at Molzen Corbin, a registered architect, and a registered landscape architect with 50 years of experience in master planning and designing architectural and landscape projects. He has built a proven track record of success throughout New Mexico, including iconic projects such as the remodel of the UNM Basketball Arena – The PIT. Experience: Girard Boulevard Streetscape, Albuquerque; Sunport U.S. Customs Renovations, Albuquerque; and Sunport Rental Car Facility, Albuquerque.</p>
<p>Jessie Lewis, ENV SP: Architecture & Landscape Architecture Registration: Certified Envision Sustainability Professional Education: B.A., Environmental Planning and Landscape Design, University of New Mexico</p>	<p>Ms. Lewis is a seasoned planner and landscape designer with 18 years of experience in multi-use site planning, park and streetscape design, landscape restoration, and construction documentation. Experience: Girard Boulevard Streetscape, Albuquerque; Sunport and DE II Airport Landscape Management Plan, Albuquerque; Athletics Site Development, UNM; and Veteran's Memorial Park and Village Center Site Planning and Landscaping, Tijeras.</p>

<p>Daniel Gonzales, PE: Electrical Engineering Registration: NM PE #19969 Education: B.S., Electrical Engineering Technology NMSU</p>	<p>Mr. Gonzales is Vice President and Electrical Department Leader at Molzen Corbin, with over 19 years of experience in power, instrumentation and controls (I&C), renewable energy, and construction coordination. Experience: Sunport Emergency Power System Improvements, Albuquerque; Sunport Solar Charging Station, Albuquerque; and Four Hills Pump Station, Albuquerque Bernalillo County Water Utility Authority (ABCWUA).</p>
<p>Robert Hanks, PE: Electrical Engineering Registration: NM PE #23949 Education: B.S., Electrical Engineering, Louisiana Tech University</p>	<p>Mr. Hanks has more than 40 years of experience as an electrical engineer specializing in electrical and instrumentation and control (I&C) system design. He has led the layout, design, and specification of I&C equipment and power systems for large industrial projects, water/wastewater treatment facilities, booster pump stations, and sewerage lift stations. Experience: Four Hills Booster Pump Station, ABCWUA; Sludge Improvements Project, Los Lunas; and Electrical Improvements, Central New Mexico Community College (CNM).</p>
Subconsultants (All have worked with Molzen Corbin on previous on-call contracts)	
<p>Patrick Byres, PE, Geo-Test, Inc.: Geotechnical Services Registration: NM PE #8126 Education: UNM Memberships: ACEC</p>	<p>Mr. Byres has 49 years project experience includes planning, supervision, analysis and design for a variety of projects including design studies of streets and highways, railroad bridges, commercial complexes, high-rise structures, embankments and earth dams. Engineering analysis and design have been performed for spread footings, drilled piers, piles, excavations, and slope stability.</p>
<p>Joseph M. Solomon, Jr.: Surveying/ROW Education: B.S., Surveying, The Ohio State University</p>	<p>Mr. Solomon joined High Mesa as a Field Survey Technician in 1996. With over 25 years of experience with the firm, he has worked his way up the organization as a technician, crew chief, licensed New Mexico Surveyor, and principal. Mr. Solomon is responsible for developing new surveying processes and implementing available technology for the department. Areas of expertise for Mr. Solomon include Construction Staking, Geodetic Control, Large Scale Mapping, and GIS Data Acquisition.</p>
<p>Joseph Gonzales, High Mesa: Subsurface Utilities Locating and Pot-holing</p>	<p>Mr. Gonzales is a principal and project manager with High Mesa Consulting Group. He is an accomplished utility locating specialist with over 25 years of experience in the field of subsurface utilities. His areas of expertise include subsurface utility engineering support—quality levels A-B, damage prevention, utility locate oversight, strategic project scheduling, and training.</p>
<p>Devin Kennemore, Pathfinder Environmental, LLC: Environmental Services</p>	<p>Mr. Kennemore has over 33 years of experience working for private companies, states, local municipalities, federal agencies, and non-profit natural resource management organizations. Mr. Kennemore has substantial expertise in all aspects of NEPA compliance. He has managed and been the principal author of many complex environmental assessments.</p>
<p>Tim Simmons, PE, PTOE, Civil Transformations, Inc.: Traffic Analysis Registration: NM PE #12922; PTOE #437</p>	<p>Civil Transformations Inc. (CTI) provides infrastructure planning and design services with an emphasis on all facets of transportation and traffic engineering. Mr. Simmons has 32 years experience, and is proficient in traffic modeling and traffic analysis.</p>

Unique Knowledge of Key Team Members

Molzen Corbin’s longevity of service to the City has resulted in an unparalleled knowledge of City processes, procedures, and standards. This unique knowledge is illustrated in **Figure 2** below.

Team Member	Unique Qualifications	Benefit to the City of Albuquerque
Steve Morrow, PE, CFM	<ul style="list-style-type: none"> Extensive experience with the City, as well as with ABCWUA and Bernalillo County Over 32 years of experience in design and construction engineering within the greater Albuquerque metro area, resulting in strong connections with local consultants, contractors, and suppliers Recently managed City projects, including the utility design for the Sunport’s Orion Center aerospace manufacturing facility 	<ul style="list-style-type: none"> Familiarity with City standards, procedures, and personnel allows for seamless coordination and expedited project delivery Established relationships help ensure competitive pricing, improved coordination, and efficient issue resolution Proven track record of successfully managing small-scale and time-sensitive task orders—an essential capability for on-call work
Kevin Eades, PE	<ul style="list-style-type: none"> Over 29 years of experience managing on-call contracts, including with Los Lunas, Belen, Tijeras, and Bernalillo Recent, relevant experience as project manager for City of Albuquerque projects, including Unser Blvd. and West Central Avenue 	<ul style="list-style-type: none"> Accustomed to providing rapid, efficient response to client engineering requests, including emergency response Institutional knowledge will result in timely, cost-effective project completion Innovative approaches that save time and money
Mike Provine, PE	<ul style="list-style-type: none"> Project Manager for City of Albuquerque Aviation Department for over 35 years 	<ul style="list-style-type: none"> Continuity of leadership Understands City of Albuquerque process and requirements for Contract Documents
Kent Freier, PE and Dale Salazar, CET	<ul style="list-style-type: none"> More than 24 years experience each supporting the City of Albuquerque Aviation Department 	<ul style="list-style-type: none"> Knowledge of City processes, procedures, and design standards will lead to timely, cost-effective designs

Figure 2. There is no learning curve with the Molzen Corbin Team. Our unparalleled knowledge will result in quicker schedules and reduced costs.



III. RESPONDENT EXPERIENCE

In addressing Molzen Corbin's technical experience relative to this City of Albuquerque contract, it is imperative to point out that Molzen Corbin pioneered the use of on-call engineering service contracts with our municipal clients in the 1980s.

Today, on-call and retainer agreements remain at the heart of our business. We are specifically organized and staffed to provide responsive on-call services to clients throughout New Mexico. Over decades of experience, we have honed a service model that focuses on continuous improvement and on delivering value with every task and conversation. We currently hold on-call contracts with 57 public entities, including the City of Albuquerque. **Figure 3** at right displays Molzen Corbin's extensive state-wide experience providing on-call architectural and engineering services.

Our team's relevant experience with the services requested in the request for proposal, along with our project manager's experience, is further expounded within this section.

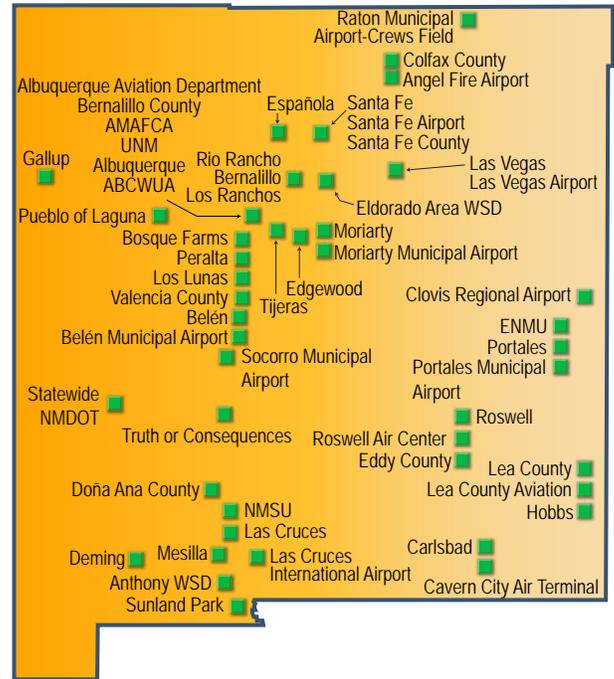


Figure 3. Molzen Corbin pioneered the use of on-call contracts and has extensive knowledge of the infrastructure, topography and culture of municipalities throughout the State.

Roadway and Transportation Engineering

Molzen Corbin specializes in providing roadway design services to Federal, State and local entities. We have designed more than 900 miles of roadway throughout New Mexico, including rural and urban arterials, residential streets, and interstate highways (**Figure 4**). We serve municipalities Statewide using "on-call" contracts such as this one to plan, design, and construct various roadway projects. At any given time, our staff is working on multiple roadway design projects, which keeps us technically sharp and up-to-date on current MUTCD, NMDOT, FHWA, and AASHTO requirements.

Likewise, we have strong local and state-wide relationships with agencies involved with funding, reviewing, and approving such projects. Our experience directly benefits the City in that we are capable of designing residential, collector, and arterial streets such as those common in the City. **An example is the improvements to Unser Blvd. including the concrete intersection of Unser and Montaño.**

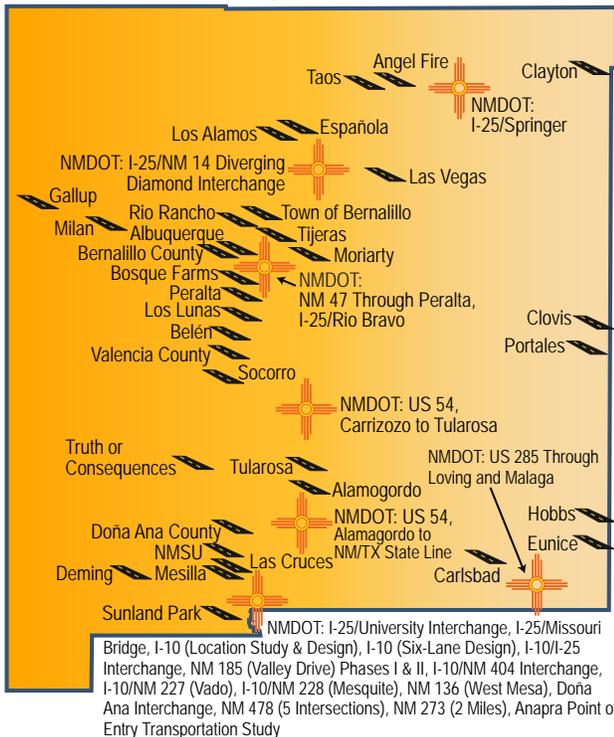


Figure 4. Molzen Corbin has designed more than 900 miles of roadway across New Mexico, including numerous projects for the City.



WEST CENTRAL AVENUE, CITY OF ALBUQUERQUE

Relevance to this Contract

- Road Diet
- ADA Accommodations
- Multi-Modal Accommodations
- Innovative Intersection Design

The City of Albuquerque selected the Molzen Corbin team to analyze and design improvements to one of the busiest portions of West Central Avenue. Working for the City Council through the Department of Municipal Development, we proposed vehicular and pedestrian improvements at the intersections of Central/Rio Grande and Central/Lomas/San Pasquale, and a dedicated pedestrian and bicycle connection route between the Old Town area and the Albuquerque Aquarium and Botanical Garden.

Molzen Corbin worked with the public to satisfy eight different neighborhood associations and countless adjacent businesses along the corridor and in Old Town, and the traveling public from the west side of Albuquerque who use the Central bridge crossing of the Rio Grande. We conducted major public meetings and created a project website as part of our public outreach effort.

The final design included intersection and traffic signal and channelization improvements, sidewalk and ADA improvements, landscape enhancements, and incorporated Bus Rapid Transit (Albuquerque Rapid Transit) provisions and features.

Contact: Ms. Melissa Lozoya, PE, (505) 768-2680

Year: 2017

Cost: Approx. \$4.0 Million

Key Staff: Eades, Bailey

ROADWAY AND DRAINAGE PROJECTS, CITY OF ALBUQUERQUE AVIATION DEPARTMENT

Relevance to this Contract

- Storm Drainage Improvements
- Utility Improvements
- Multi-Modal Accommodations
- Roadway Design and Rehabilitation

Molzen Corbin has provided the following professional roadway and airfield pavement services for the Albuquerque Aviation Department:

- **Spirit Dr. and GA Parking Reconstruction**—Molzen Corbin designed the reconstruction of a portion of Spirit Dr., Clark Carr Blvd., and the GA Parking Lot, including storm drainage improvements, waterline extension, landscaping, communications, and parking lot lighting.
- **GA Parking Stormwater Retention Facility**—Molzen Corbin designed the first underground storm water retention system installation at the Sunport as part of the GA Parking Lot reconstruction. The system allows for compliance with the City's First Flush Ordinance without creating a bird attractant, which is a safety concern for airports.

- **Vale 2012 Long Term Parking Photovoltaic Improvements**—Molzen Corbin designed demolition of the existing airfield pavements, roadway, sanitary sewer, water, grading and drainage, landscape and irrigation, and street lighting and storm drainage improvements for the 80-acre commercial and light industrial park located in the northern end of the Sunport campus.
- **Sunport Blvd. Rehabilitation**—Sunport Boulevard and the Terminal Loop were milled and overlaid. In addition, an open grade friction course was laid.

Contact: Ms. Rhonda Methvin, PE, (505) 244-7738

Year: 2011 (Sunport Blvd. Rehabilitation)

2017 (Vale 2012 Long Term Parking)

2021 (Spirit Dr. and GA Parking)

Cost: \$4.6 Million (Spirit Dr. and GA Parking)

\$4.9 Million (Vale 2012 Long Term Parking)

\$135,000 (GA Stormwater)

\$1.25 Million (Sunport Blvd. Rehabilitation)

Key Staff: Provine, Salazar, Freier, Gonzales



SUNSET ROAD, BERNALILLO COUNTY

Relevance to this Contract

- Traffic Calming
- Storm Drain Improvements
- Right-of-Way Acquisition
- ITS, Utility, and Environmental Coordination

Sunset Road is an urban collector in Bernalillo County that was in need of roadway and safety improvements. The project involved flood mitigation, the addition of new sidewalks, access management, and pavement rehabilitation.

The focus of the design was driven by safety. Because the project location is directly adjacent to Armijo Elementary School, special consideration was given to pedestrian facilities. Traffic calming devices were included to prevent excessive speeding along this corridor and to encourage through

traffic to take the available higher capacity routes of Goff Blvd and Isleta Blvd. Molzen Corbin implemented the use of mini traffic circles at the roadway intersections. Additionally, the project included the installation of a storm drain system and new sanitary sewer collector lines.

The County received federal funding for the Sunset Road Improvements project and Molzen Corbin aided in the required coordination with the New Mexico Department of Transportation. The coordination included rail, right-of-way, ITS, utility, and environmental certifications, as well as design reviews for the 30%, 60%, 90%, and PS&E milestones.

Contact: Rodrigo Eichwald, (505) 848-1574

Year: 2019

Cost: Approx. \$4,988,421

Key Staff: Eades, Bailey, Pate, Gonzales

ADDITIONAL TRANSPORTATION EXPERIENCE FOR THE CITY OF ALBUQUERQUE

- **Sunport Subsidized Roads Repair and Girard Blvd. Rehabilitation** – Mr. Sterling Mahan; 244-7728; 2008, 2010, and 2012; \$530,000 for two projects. Prepared construction documents for the removal of trash from under the roadway on South Yale, George Road, and Girard Blvd. Decay and consolidation of the underlying trash had caused significant subsidence in these roads. At South Yale and Girard, Molzen Corbin assisted with procuring construction through on-call contracts with COA Street Maintenance and the Albuquerque Bernalillo County Water Utility Authority. Also included were landfill characterization studies and landfill excavation plans.
- **Atrisco Vista Blvd. Reconstruction (Double Eagle II Airport Access Rd)** – Mr. Jim Hinde, 244-7805, 2015, \$6,118,000. The project included the corridor study, environmental assessment,

design, and construction phase services for the construction of approximately 6.5 miles of roadway connecting Interstate 25 to DEII. The new roadway alignment was set within existing right of way and replaced the existing failing roadway. The existing roadway was maintained for traffic while the new pavement section was constructed. The roadbed for the old roadway was maintained for the addition of two lanes in the future. New bike lanes and shoulders were constructed as part of the project.

- **Double Eagle II Access Road Alignment Relocation** – Mr. Sterling Mahan, 244-7738, 2009, \$962,628. Emergency project realigned Paseo del Volcan at the entrance to DEII. In four months, a FONSI was obtained, and design and construction were completed.

Drainage & Site Development (Hydrology)

Molzen Corbin offers full capabilities in drainage design and site development. Our project team members have worked with the City of Albuquerque, NMDOT, AMAFCA, and Soil Conservation Service, among other entities. Our project experience includes drainage master plans, new drainage systems, flood control structures, and extensions to existing systems in conjunction with road design and site development projects (see **Figure 5**). Some examples completed for the City of Albuquerque include:

- **Sunport Drainage Outfall Improvements and Erosion Control** – Mr. Sterling Mahan, 244-7738, 2009 and 2010, \$235,000 (est). Designed and prepared construction plans for use by a Storm Drain Maintenance Department on-call contractor to install grading and erosion control improvements at two of the Sunport’s major outfalls. Included structure installation and stilling basin construction. One location also required replacement of an energy dissipater structure that had separated from the discharge piping.
- **Albuquerque International Sunport Drainage Management Plan** – Mr. Jim Hinde, 244-7805, 1994 and 1999, Cost N/A. Prepared the original drainage management plan in 1994 and the update with the Rent-a-Car facility in 1999. This document encompasses the Sunport’s drainage area and a portion of KAFB. Recommended improvements were constructed in the major airfield renovation projects in the 1990s, the Rent-a-Car

Figure 5. Molzen Corbin’s project experience encompasses nearly every facet of storm drainage.

	Drainage Master Plan	Hydrologic Analysis	Storm Sewer Systems	Open Channels	Detention/Retention Facilities	Special Structures	Cross Drainage Structures	Drainage Reports/Studies	Drainage Development Reviews
City of Albuquerque	■	■	■	■	■	■	■	■	■
Albuquerque International Sunport	■	■	■	■	■	■	■	■	■
AMAFCA	■	■	■	■	■	■	■	■	■
City of Belén	■	■	■	■	■	■	■	■	■
Bernalillo County	■	■	■	■	■	■	■	■	■
Town of Bernalillo	■	■	■	■	■	■	■	■	■
City of Las Cruces	■	■	■	■	■	■	■	■	■
City of Las Vegas	■	■	■	■	■	■	■	■	■
Double Eagle II Airport	■	■	■	■	■	■	■	■	■
Farmington/Four Corners Reg. Airport	■	■	■	■	■	■	■	■	■
Village of Los Lunas	■	■	■	■	■	■	■	■	■
City of Moriarty	■	■	■	■	■	■	■	■	■
New Mexico DOT	■	■	■	■	■	■	■	■	■
New Mexico State University	■	■	■	■	■	■	■	■	■
Sandoval County	■	■	■	■	■	■	■	■	■
Village of Tijeras	■	■	■	■	■	■	■	■	■

Facility in 1999, and the Terminal Apron Reconstruction Phase I project in 2009.

- **Double Eagle II Airport Aerospace Technology Park Infrastructure** – Mr. Sterling Mahan, 244-7738, 2008, \$2,450,000. Storm drainage, water, and sanitary sewer facilities were extended into the Aerospace Technology Park at DEII. Project was accomplished on a fast-track schedule to meet contractual obligations to Eclipse Aviation.



AIRFIELD CENTER OF EXCELLENCE (ACE), CITY OF ALBUQUERQUE

Relevance to this Contract

- Traffic Studies
- Multi-Modal Planning
- Storm Drain Improvements
- Site Planning
- Utility, Roadway, and Landscape Improvements

Molzen Corbin provided planning, design, and engineering services for the development of this 80-acre commercial and light industrial business

park located on the City of Albuquerque’s Aviation Department property formerly used as a runway.

- **Site Planning/Development** – The site plan for development consisted of the planning document, layout and boundaries, conceptual lot geometry, traffic impact study, and design standards. The project also included approval for access to the site from Gibson Blvd., including a right-in/right-out and left-in traffic movements from the Mid-Rio Grande Council of Government’s Access Control Committee. Part of gaining the access from Gib-

son involved coordination and collaboration with the Greater Albuquerque Bicycle Advisory Committee (GABAC).

- **Drainage/Site Development** – Designed demolition of the existing airfield pavements, and designed roadway, sanitary sewer, water, grading and drainage, landscape and irrigation, and street lighting and storm drainage improvements. The

improvements included work on Gibson Blvd., Girard Blvd., ACE interior roadways, and utilities extensions.

Contact: Mr. Jim Hinde, (505) 244-7805

Year: 2016

Cost: Approx. \$6,373,466

Key Staff: Provine, Morrow, Freier, Salazar, Pate, Gonzales



GOFF ROAD, BERNALILLO COUNTY

Relevance to this Contract

- ADA Accommodations
- Multi-Modal Accommodations
- Innovative Intersection Design
- Storm Drainage

Goff Boulevard, between Bridge Boulevard and Arenal Road in Southwest Albuquerque, is a major thoroughfare through the City's South Valley. However, the road was located in a flood zone and heavy rain often caused traffic problems and damage to the road surface. The County also wanted to improve safety at a three-way stop at the intersection of Goff and Sunset Road.

Molzen Corbin met this goal by implementing a High T design concept to replace the previous three-way stop at Goff and Sunset. This design allows traffic to move through the signalized intersection on Goff without stopping, while traffic turning onto either Sunset or Goff does so via dedicated lanes at the traffic signal. This design greatly reduces the angle crashes that cause the most severe injuries. Goff Boulevard was also converted from two lanes to three, with fully compliant ADA access for bicycles and pedestrians.

To address the flooding issues, Molzen Corbin designed new storm drains along Goff, requiring high-level SWMM computer modeling to track normal water flows. An important design goal was to keep heavy rains off the roadway without allowing

water to drain onto private property abutting Goff. Molzen Corbin used a unique design for the curb cuts along Goff to keep driveways steep enough to drain properly, yet level enough to maintain ADA compliance along the new sidewalks.

This project involved a complex storm drain installation, coordination with many property owners along the street, and coordination with several utilities, as it required the relocation of power, water, sewer, cable, and telephone lines.

Contact: Mr. Rodrigo Eichwald, (505) 848-1574

Year: 2016

Cost: Approx. \$6,373,466

Key Staff: Eades, Provine, Morrow, Freier, Salazar, Pate, Gonzales





Architecture/Landscape Architecture (Trails, Bicycle Facilities, ADA Access)

Molzen Corbin’s Architecture Department offers decades of experience designing realistic and functional, yet attractive facilities for New Mexico’s public entities. Our civil engineers work closely with our in-house Architectural Department on many different trail projects that provide enhanced ADA facilities and multi-use trails, as well as bicycle and equestrian facilities. Many of our projects include trail facilities, and we are experienced in working with neighborhood groups and citizens for feedback on the type and location of such improvements.



CESAR CHAVEZ MEDIAN RECONFIGURATION, CITY OF ALBUQUERQUE

Relevance to this Contract

- Streetscape Beautification
- Pedestrian Improvements

Following our completion of the PIT renovation, the City of Albuquerque hired Molzen Corbin to complete this expedited project in which the City wanted University Boulevard and Cesar Chavez to be beautified to harmonize with the PIT’s landscaping. The City appointed a special Projects Manager through the Department of Municipal Development to manage the project. Molzen Corbin developed a median design that enhances motorists’ access to the PIT and to the football field, while at the same time providing landscaped pedestrian refuges. This project was successful, and to the public the construction of the medians appeared to be a seamless outgrowth of the PIT renovation.

Contact: Ms. Colleen Frenz, (505) 786-3826
Year: 2010
Cost: Approx. \$85,000
Key Staff: Pate, Eades, Gonzales

SUNPORT BOULEVARD LANDSCAPING, CITY OF ALBUQUERQUE

Relevance to this Contract

- Streetscape Beautification
- Pedestrian Improvements
- Stakeholder Collaboration

Sunport Boulevard serves as the primary gateway for people traveling in and out of the Albuquerque International Sunport, providing visitors with their first impressions of the City. In the late 1990s Molzen Corbin designed a landscape for this very high-profile roadway which is attractive, easy to maintain, and water-wise.

We used a mix of native and non-native species to create this landscape. To give the landscape a layered look, we planted low, green rosemary prostrata in the foreground, red barberry in the middle, and gray chamisa, which has masses of yellow flowers in the fall, in the background. Accent, both for color and form, is provided by New Mexico olive and smoke tree. We also planted winter creeper, which cascades from unique, sectioned planters on the side walls. Russian olive was planted in a gentle S-curve to create the impression of crossing a stream bed.

We worked closely with the community, incorporating their input into our final design. The landscape was designed to meet Albuquerque’s water conservation ordinance without sacrificing beauty. The design artfully incorporated all the needs of a roadway including signage, barrier rails, and drainage.

Contact: Mr. Jim Hinde, (505) 244-7700
Year: 2011
Cost: Approx. \$2,500,000
Key Staff: Provine, Pate, Gonzales



UNSER BOULEVARD (NM335) IMPROVEMENTS, CITY OF ALBUQUERQUE

Relevance to this Contract

- Upgraded Streetscape
- Pedestrian Amenities
- Roadway Design and Improvements
- Traffic Evaluation
- Transportation Coordination
- Utility Coordination

The City of Albuquerque tasked Molzen Corbin with providing professional engineering services for the Unser Boulevard Reconstruction project from Dellyne to Montañó. The goal of the project was to enhance multimodal safety and connectivity along this key 0.60-mile segment of one of Albuquerque's most important north-south arterials.

Unser Boulevard serves as a vital link between I-40 and the City's west side communities and provides access to major destinations such as Petroglyph National Monument, Santa Fe Village Park and Dog Park, Boca Negra Canyon, and the San Antonio Arroyo. Prior to reconstruction, the corridor consisted of two lanes in each direction with a wide median but lacked essential infrastructure, including continuous bike lanes and accessible pedestrian routes.

Molzen Corbin's design addressed these deficiencies by widening the roadway to include on-street bicycle lanes in both directions, constructing new multi-use trails and sidewalks, and improving sidewalk connectivity. The project also included traffic signal evaluations at both intersections—with upgrades as needed—vehicle queue analysis, and enhancements to pedestrian crossings and refuge areas. Additional design considerations included substandard travel lane widths, rear-yard private access points, potential utility relocations, and drainage and landscaping improvements.

The Unser Reconstruction Improvements project resolved long-standing operational and safety

issues and, due to its proximity to Petroglyph Park, effectively completed one of the City's westernmost north-south arterial corridors. Construction was completed in spring 2016, following a public engagement process that informed nearby residents of the project's scope and potential construction impacts.

Contact: Mr. Andrew Varoz, (505) 768-3679

Year: 2016

Cost: Approx. \$3,700,000

Key Staff: Eades, Bailey, Pate

Project Manager's Experience with the City within the Past Five Years

Mr. Steve Morrow, PE, CFM, has developed a long working relationship with the City and offers strong project-management and client-relations experience. As Project Manager, he will ensure the necessary resources are available to provide rapid, efficient support on this contract.

Within the last five years, Mr. Morrow has served as the Project Manager of Utility Design for the City of Albuquerque Aviation Department's 100-acre Orion Center, a proposed aerospace manufacturing facility. This project included the design of 5,900 linear feet of 12-inch sanitary sewer, 1,200 linear feet of 24-inch water transmission line, 1,800 linear feet of 14-inch waterline, and 4,800 linear feet of 12-inch waterline. Much of the design was completed under existing streets (Girard Blvd. & Sunport Blvd), which required extensive subsurface utility engineering in order to design the utilities in a manner that avoided existing utility lines. Mr. Morrow managed the assembly of design packages for submittal and review by the Environmental Planning Commission, the Development Review Board, and the ABCWUA, including an extensive water model of the 100-acre water network.



IV. TECHNICAL APPROACH

Respondent's Understanding of the Project Scope

As mentioned previously, Molzen Corbin pioneered the use of on-call engineering agreements in the 1980s. Molzen Corbin recognizes that the City requires a full spectrum of transportation and drainage engineering, planning, and design expertise. To maintain cost efficiency and keep projects on schedule, it is to the City's advantage to work with a consulting firm that offers all necessary disciplines in-house. That's the distinct benefit of working with Molzen Corbin.

Our firm employs 86 in-house professionals with expertise spanning civil, water, wastewater, and electrical engineering; architecture and landscape architecture; surveying; planning; and grants administration. This diverse internal team gives us the agility and staffing depth to provide highly responsive, technically sound services. We are well equipped to handle a broad range of tasks under this contract, including those delivered on a task order basis—quickly and efficiently.

Molzen Corbin is not only familiar with the nature of the on-call contract and the wide variety of services that may arise from the contract, but we are also familiar with the City of Albuquerque – we have provided continuous engineering services to the City of Albuquerque Aviation Department for over 50 years, and recently completed

several roadway projects in the community, including West Central Avenue and Unser Blvd, as well as Spirit Drive and GA Parking Improvements at the Sunport.

Plan to Perform Services

Molzen Corbin has **65 years of experience** designing roadway and drainage projects in New Mexico, and has worked specifically with City on roadways such as Sunport Boulevard, West Central Avenue, and Unser Boulevard. As a result, we have a thorough working knowledge of City standards, processes, and procedures. Our specific work plan for each task will vary according to the needs of the project, but the overall management of the task will contain the reliability that the City has come to expect from Molzen Corbin.

Administrative Approach

We know that the key to any good relationship is to provide outstanding service at a reasonable cost, and we have honed our delivery model to ensure that every task, project, and conversation delivers value to our clients. We will provide on-call services to the City in the following manner.

- **We Provide Highly Knowledgeable Project Managers.** We have selected Mr. Steve Morrow, PE, CFM, as our Project Manager. Mr. Morrow has extensive experience with the City of Albuquerque and over 32 years of experience in the

Molzen Corbin designed and oversaw construction of the award-winning, canopy-mounted 1 Megawatt solar photovoltaic system in the long-term parking lot at the Albuquerque International Sunport.



design and engineering of various projects for municipalities throughout New Mexico.

- **Molzen Corbin offers the City efficient access to our project team, whether the request involves engineering, architecture, grants assistance, or other related matters.** Further, as the City has experienced in the past, they are always welcome to contact anyone on our staff directly.
- **Formalized project “Kick-Off” meetings.** These will ensure that all the critical success factors are understood and agreed upon by both our design team and City personnel.
- **Communication with Clients/User Input.** Molzen Corbin understands that the success of every project and task we perform hinges on whether it meets the needs and goals of the client. **Meeting your needs is only possible with excellent communication.** On every project we consider the client and end users to be integral members of the design team, giving them multiple opportunities to provide their input. We will also update the City staff on the progress of the project on a regular basis, as well as at project milestones.

Design Process

At the onset of projects, Molzen Corbin will assemble a scoping team to assist the City in planning and scoping projects. Depending on the project needed, we will include specialists in the fields of roadway, drainage, roadside design, traffic, signage, pavement, lighting, and surveying. Our project team will visit the site, then meet with City officials and maintenance staff to examine the conditions. Molzen Corbin typically uses the following design process:

- **Project Scoping/Programming**—Work with the City to fully define the scope for each project. This may be the most important step in any project. To fully understand your needs, we will work closely

with the City in an open exchange of ideas. Using your input, we will develop a project scope that is a full and accurate reflection of your needs and goals.

- **Reports and Studies**—Gather data including on-site measurement, drainage studies, master plans, preliminary engineering reports, utility rate studies, and other pertinent information.
- **Preliminary and Final Design**—Prepare complete working drawings, technical specifications, contract documents for bidding (e.g., bonds, insurance, etc.), quantity take-offs, and cost estimates.
- **Bidding and Negotiation**—Provide assistance in advertising for bids, distributing plans and documents for bidding, receiving and tabulating bids, recommending award, checking bond and insurance forms, and issuing notice to proceed for construction.
- **Construction**—Provide project/construction administration, observers (full-time if required), and inspection services (if desired).
- **Project Closeout**—Prepare drawings for permanent records, including changes. Provide O&M manuals and operator training for treatment plants or electrical system projects.

Quality Assurance/Quality Control

Quality control (QC) as practiced at Molzen Corbin is a prevention system, not a detection system. A prevention system allows for inspection concurrent with production. This system accomplishes the following:

- Minimizes errors and costly rework
- Allows for immediate adjustment to changes of design directives
- Allows for adoption of process improvements

The benefits of this system are:

- Cost savings to the City
- Improved (shortened) schedules

Torrential rains caused serious erosion and flooding near the Albuquerque Sunport. Runoff escaped an arroyo and flooded several businesses located off the end of the Sunport's Runway 3. Neighbors downstream claimed that the damage was caused by flows originating at the Sunport. Molzen Corbin's analysis proved that the Interstate crossing had not been maintained and was plugged, resulting in ponding storm water. Our quick analysis of the storm flows and library of historical photos, as well as our knowledge of the Sunport's drainage, enabled a concise report of the cause of the flooding and eliminated claims.



For design projects, Molzen Corbin will make quality expectations clear to team members at the project kickoff meeting. At preliminary and final design completion, plans will move through a three-level quality assurance program:

- **Level I:** The team will review each plan for quality, accuracy, and adherence to design standards.
- **Level II:** Plans will be reviewed by Mr. Mike Provine, PE. Any plan not meeting quality standards will be returned to the project team for rework.
- **Level III:** Plans that pass Level I and II will undergo an internal, final, in-depth quality review for accuracy, adherence to project requirements, readability, and overall quality by our proposed project manager, Mr. Steve Morrow, PE, CFM. Any documents not meeting our strict quality standards will be reworked and re-reviewed.

Specialized Problem Solving

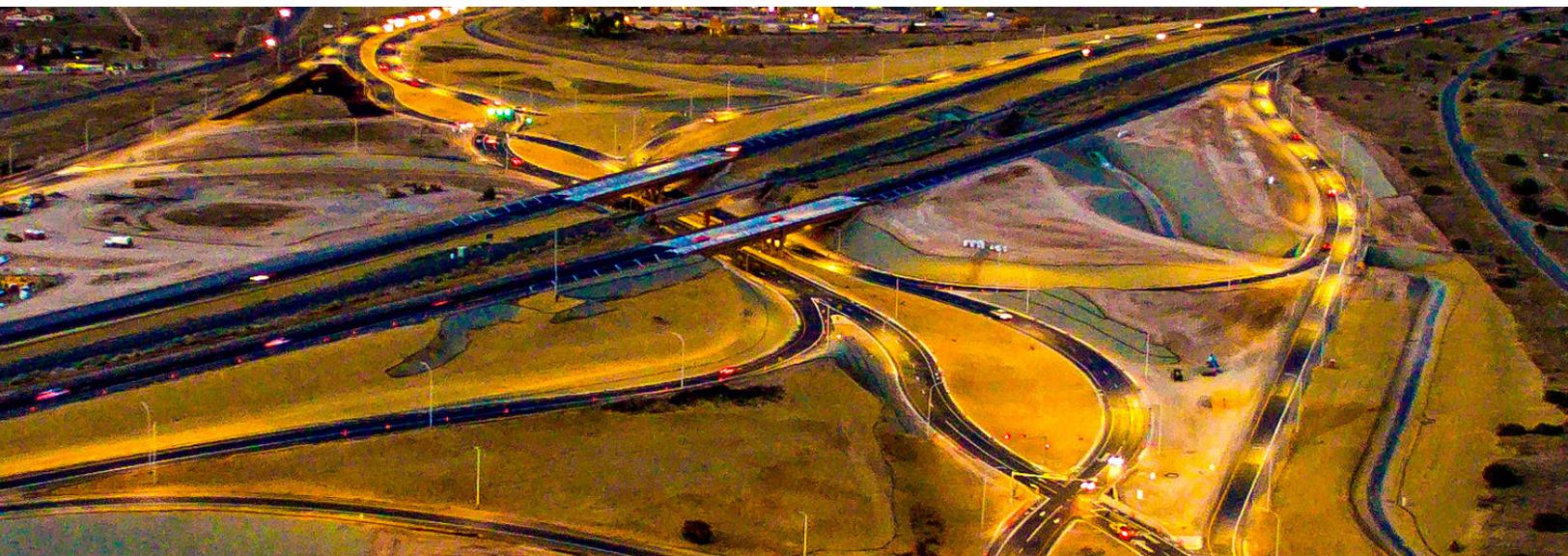
Having completed hundreds of engineering and architecture projects, we understand that each problem requires a unique approach toward resolution. Molzen Corbin possesses a highly diversified team of skilled engineers, technicians, and construction specialists who are well-suited to tackling engineering challenges. Molzen Corbin has taken a lead in design innovation on transportation and drainage projects throughout New Mexico. Recent examples of our “thinking outside the box” include the following:

- On the NM 188 (Valley Drive) project in Las Cruces, **Molzen Corbin was the first in New Mexico**

to conduct virtual web-based online public meetings. We expanded our public participation fivefold and have a public involvement record that may set a new standard for the NMDOT.

- On the I-25/NM 14 (Cerrillos Road) Interchange, **Molzen Corbin was the first in New Mexico to design a Diverging Diamond Interchange (DDI) configuration.** Molzen Corbin facilitated a development team trip to Salt Lake City, Utah, to view similar facilities and gain a better appreciation for the implementation of this new interchange. This trip helped to collaborate with other engineers that have accomplished this in other states and to move forward on our DDI design.
- On NM 47 in Peralta, Molzen Corbin was the fifth engineer hired by NMDOT to help solve the drainage condition for the rural community. **We implemented sustainable pervious concrete pavement as the design solution, which was the first time this had been used on an NMDOT project.**

Molzen Corbin embraces innovation and looks for opportunities on each project to integrate better methods, practices, or geometrics into our project-development process. The above “firsts,” just within the past seven years alone, represent our commitment to innovation. Each project brings its own unique challenges and opportunities to integrate innovation, and the City of Albuquerque can be sure that Molzen Corbin will push the envelope on potential innovative design concepts.



The redesign of the I-25/NM 14 (Cerrillos Road) Diverging Diamond Interchange was an exercise in creativity, and an opportunity for the engineering team to think outside the box of typical roadway design. The finished project – an innovative and improved vehicular interchange with pedestrian/bicycling amenities and the first of its kind in New Mexico – will make traveling safer and more efficient for decades to come.

V. COST CONTROL

Cost Control and Estimating Techniques

A. Cost Control of the Design Process

- Using a computerized project management and cost accounting system (Ajera), we will develop a design fee cost estimate (budget), for each task based on manhours and rates.
- Our cost accounting system automatically generates weekly cost reports. We compare each task's manhours used to the manhours remaining in the budget and the estimated percent complete.
- This proactive approach allows us to identify deviations from the project plan early and make appropriate adjustments to mitigate any impacts on the design costs.
- Our designers incorporate sustainable design concepts into all projects we design, such as the I-25/ University project in Las Cruces, which received New Mexico's first Silver LEED designation.

B. Cost Control of the Construction Cost

- Cost control systems will be set up early in the initial phase of work.
- At the beginning of each task, we will develop the cost estimate using the most current and accurate cost data available.
- During design we will review the cost estimate at any scope change or pricing change. The cost estimate will be reviewed at the weekly design coordination meetings.
- Once the 60% design is completed, we will update the overall project cost estimate, taking into consideration any design changes or cost shifts in the construction industry.
- Changes in the cost estimate will trigger a review in the overall project budget to assess the affect that the change may have on the overall cost.

During the project design, if the project scope will be achieved at a different cost than discussed during negotiations, we will perform the following tasks.

- Determine the difference between the original and updated estimates and the reason for it, such as the current fluctuating cost and availability of materials
- Communicate the cost differences and the probable causes of those differences to the Authority and discuss possible courses of action.
- If budget is exceeded, make recommendations to bring costs in line, make changes to the scope, or adjust the budget itself. If project scope can be achieved at a lower cost, we will inform the City.

C. Cost-Estimating Techniques

The project team will use traditional construction cost estimating, lifecycle costing, value engineering, and constructability reviews to estimate and control project costs. We will use the most recent and applicable cost data available to update the construction cost estimate, such as:

- City of Albuquerque Average Unit Price Listing, NMDOT average unit price listing, Means Cost Data, and others.
- Recent bids on similar projects. Molzen Corbin has compiled construction cost data for similar projects for 65 years. Using similar, recent bids is typically the most accurate way to estimate costs.

The team will encourage partnering with the construction contractors as a means to minimize costs to the City during construction and to review constructability issues during the design process, if appropriate. Care must be taken when doing this type of review that those contractors do not receive an advantage of prior knowledge during the bidding process.

Comparison of Bid Award to Estimate

Please see **Figure 6** below.

Project	Month and Year Bid	No. of Bids	Final Cost Estimate	Bid Award Amount
Terminal Restroom Renovation, Roswell International Air Center	April 2025	1	\$489,456	\$484,819
Office Building Renovations, Albuquerque Metropolitan Arroyo Flood Control Authority	December 2023	2	\$2,315,243	\$ 2,795,123*
Event Center Improvements, Colfax County	December 2024	2	\$960,000	\$785,000

* Differences in estimate and bid amounts are due to unexpected and exorbitant increases in labor and material costs due to shortages caused by COVID. Figure 6. Molzen Corbin is accustomed to delivering high-quality projects within strict budget constraints.

Agreement and Insurance Certification

We have reviewed the standard agreement for Engineering or Architectural or Landscape Architectural Services that are required for the project listed below, and hereby certify that we will, if selected for the project, enter into this standard agreement for this project and meet all insurance requirements listed therein.

This Certification is intended for the use of the City of Albuquerque only, in conjunction with the award of the Engineering or Architectural or Landscape Architectural Services Agreement for Project:

Project Name City Wide On-Call Engineering Services for Transportation and Storm Drainage

Project Number 138.02

Date July 9, 2025 Firm Name MOLZEN CORBIN

Signature K. W. E. T.

Title President and Chief Executive Officer

STATE OF NEW MEXICO)

) ss

COUNTY OF BERNALILLO)

The above Certification was subscribed before me, the undersigned authority, by:

who swore upon oath that this Certification was signed of free act and deed, on this

_____ day of _____, 20_____

(Notary Public)

My commision expires: _____

Pay Equity Reporting Form



City of Albuquerque
www.cabq.gov



Bernalillo County
www.bernco.gov



Water Authority
www.abcwua.org

Company Details

Company Name	Molzen Corbin	Mailing Address	2701 Miles Rd SE Albuquerque NM 87106
Phone	505-242-5700		
Email Address	rroboda@molzencorbin.com	NM Employees?	yes

Job Category	No. Females	No. Males	Gap (Abs. %)
1.1 Exec/Senior Level Officials/Mgrs	0	2	N/A
1.2 First/Mid Level Officials/Mgrs	0	7	N/A
2 Professionals	7	16	30.63%
3 Technicians	10	37	8.20%
4 Sales Workers	0	0	N/A
5 Office and Admin. Support	10	4	16.51%
6 Craft Workers (Skilled)	0	0	N/A
7 Operatives (Semi-Skilled)	0	0	N/A
8 Laborers (Unskilled)	0	0	N/A
9 Service Workers	0	0	N/A
Overall Total	27	66	15.73%

Total # of Females (all categories)	27	Total # of Males (all categories)	66
Total # Female Only Job Categories	0	Total # Male Only Job Categories	2
Total # Part Time Females	9	Total # Part Time Males	14
Female % Workforce	29.03%	Male % of Workforce	70.97%
Total # Employees	93	Total # Non-Binary Employees	0

Must be signed by a representative of the company. Signature certifies that all employees working in New Mexico are included, the data is for one year ending when the form is signed, and any challenges to your information may require you to get third party verification at your own expense.

Robert P. Robeda, Chief Administrative Officer Robert P Robeda Jan 8, 2025
 Name and Title Signature Date Submitted

Following your submission, the system will calculate and certify your Overall Total Pay Gap. A copy of the Pay Equity Reporting Form will be emailed to you for inclusion with your bid or proposal. If the Overall Total Pay Gap on your form is 0%, you are eligible for a 5% preference. Please keep in mind that a completed Pay Equity Reporting Form must be submitted with all bids and proposals, regardless of the Overall Total Pay Gap. Please contact the contact person identified in the applicable Agency's solicitation documents with any questions about the Pay Equity Reporting Form.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/2/2025

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 Professional Liability Insurers, Inc. Higginbotham Insurance Agency, Inc. 6101 Moon Street NE Ste 1000 Albuquerque NM 87111 License#: 2081754 MOLZ&AS-01	CONTACT NAME: Eloise Hughes PHONE (A/C, No, Ext): 505-822-8114 E-MAIL ADDRESS: ehughes@higginbotham.net	FAX (A/C, No): 505-822-0341													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Donegal Mutual Insurance Company</td> <td>13692</td> </tr> <tr> <td>INSURER B : Atlantic States Insurance Company</td> <td>22586</td> </tr> <tr> <td>INSURER C : New Mexico Premier Insurance Company</td> <td>13675</td> </tr> <tr> <td>INSURER D : XL Specialty Insurance Co.</td> <td>37885</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Donegal Mutual Insurance Company	13692	INSURER B : Atlantic States Insurance Company	22586	INSURER C : New Mexico Premier Insurance Company	13675	INSURER D : XL Specialty Insurance Co.	37885	INSURER E :		INSURER F :
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INSURED Molzen-Corbin & Associates Inc 2701 Miles Road SE Albuquerque NM 87106															

COVERAGES **CERTIFICATE NUMBER:** 558518349 **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 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			1000111468	12/31/2024	12/31/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 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 <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			1000111478	12/31/2024	12/31/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			1000111472	12/31/2024	12/31/2025	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input type="checkbox"/> N/A			64411.117	1/1/2025	1/1/2026	<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
D	Professional Liability			DPR5037963	12/31/2024	12/31/2025	Each Claim 2,000,000 Aggregate 6,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Aviation/Drone Liability, American Alternative Insurance Corporation, #9048809, Effective/Expiration Dates: 10/24/2024 - 10/24/2025, Liability Limit \$1,000,000.

CERTIFICATE HOLDER**CANCELLATION**

Proposal Purposes	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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