

CITY OF ALBUQUERQUE
Albuquerque, New Mexico
Office of the Mayor

Mayor Timothy M. Keller

INTER-OFFICE MEMORANDUM

DATE: September 25, 2025

TO: Brook Bassan, President, City Council
FROM: Timothy M. Keller, Mayor 
SUBJECT: Mayor's Recommendation of Traffic Engineering On-Call for the NTMP Traffic Calming Program.

The Selection Advisory Committee met via Zoom on September 10, 2025, to consider the following project.

Project: Project No. 0150.02; Traffic Engineering On-Call for the NTMP Traffic Calming Program.

Agency: Department of Municipal Development

Project Description: The purpose of this RFP is to provide miscellaneous traffic engineering support on a variety of projects and the Neighborhood Traffic Mitigation Program (NTMP) for the City of Albuquerque. The scope is to include, but not be limited to: traffic studies, traffic counts, signal designs, traffic operations, street lighting design, traffic calming design, public meetings, safety studies, street designs, construction contract documents preparation, and other engineering duties.

The Committee was comprised of two registered engineers, in accordance with the SAC Ordinance, in addition to three subject matter experts. The Committee made the following recommendation for the Traffic Engineering On-Call for the NTMP Calming Program:

Lee Engineering 288

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 recommendation concerning the procurement of professional services for the above listed project:

Lee Engineering

Mayor's Recommendation of Lee Engineering, Project No. 0150.02 – Traffic Engineering On-Call for NTMP Calming Program

This recommendation is being forwarded for Council consideration and action.

Approved:

Approved as to Legal Form:


Samantha Sengel, EdD
Chief Administrative Officer

Date

DocuSigned by:

Lauren Keefe
City Attorney

10/8/2025 | 10:57 PM MDT

Date

Recommended:

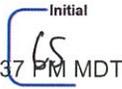
Initial


DocuSigned by:

Jennifer Turner, Director
Department of Municipal Development

10/8/2025 | 1:37 PM MDT

Date

Initial


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 a consultant to provide a Traffic Engineering On-Call for the NTMP Traffic Calming Program.

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?

The Traffic Engineering Division will not have access to engineering services for the NTMP Traffic Calming Program.

7. Is this service already provided by another entity?

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

FISCAL IMPACT ANALYSIS

TITLE: 150.02 - Traffic Engineering On-Call for NTMP Traffic Calming Program

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:

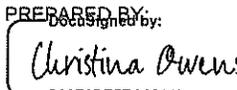
	2025	Fiscal Years 2026	2027	Total
Base Salary/Wages				-
Fringe Benefits at Subtotal Personnel	-	-	-	-
Operating Expenses		-		-
Property		-	-	-
Indirect Costs	-	-	-	-
Total Expenses	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> Estimated revenues not affected				
<input type="checkbox"/> Estimated revenue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

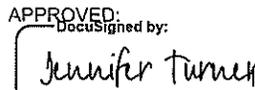
These estimates do not include any adjustment for inflation.
 * Range if not easily quantifiable.

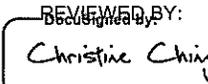
Number of Positions created

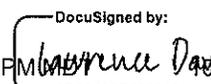
COMMENTS:

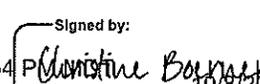
COMMENTS ON NON-MONETARY IMPACTS TO COMMUNITY/CITY GOVERNMENT:

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 10/8/2025 | 12:02 PM MDT
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 FISCAL ANALYST

APPROVED: DocuSigned by:

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 DIRECTOR

REVIEWED BY: DocuSigned by:

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 EXECUTIVE BUDGET ANALYST

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 BUDGET OFFICER

Signed by:

 10/8/2025 | 2:56 PM MDT
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 CITY ECONOMIST

SAC Meeting scores recorded by Christella Armijo

Project No: 150.02; Traffic Engineering On-Call for NTMP Traffic Calming Program

SAC Meeting date and time: 09/10/2025, 10:00 am

Number of respondents: 4

	Bohannan Huston	NV5	Lee Engineering	Wilson & Company
Member 1	98	98	99	98
Member 2	85	92	94	86
Member 3	97	90	98	96
Member 4	91	88	96	95
Member 5	91	90	94	92
Total after min & max scores removed:	279	272	288	283
<i>add "1" for ties, to respondent having highest score dropped</i>				
Total after ties	279	272	288	283
<i>add "1" if still ties, to respondent having lowest score dropped</i>				
Total after ties	279	272	288	283

Minutes of the Meeting
of the
Selection Advisory Committee
September 10, 2025
10:00 am – 10:30 am

**Traffic Engineering On-Call for NTMP Traffic Calming Program
Project No: 0150.02**

Present:

Timothy Brown, P.E.
Roberto Gallegos
Manh Tran, P.E.
Jeffrey Lopez
Daniel Acosta

Absent:

Staff:

Christella Armijo, Administrator, Selection Advisory Committee

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

Project Description:

Provide miscellaneous traffic engineering support on a variety of projects and the Neighborhood Traffic Mitigation Program (NTMP) for the City of Albuquerque. The scope is to include, but not be limited to: traffic studies, traffic counts, signal designs, traffic operations, street lighting design, traffic calming design, public meetings, safety studies, street designs, construction contract documents preparation, and other engineering duties.

Estimated Compensation

No cap compensation

The Administrator contacted the SAC Committee and advised them that this meeting would take place via Zoom on September 10, 2025.

The Administrator collected the Committee members' scores and deleted the high score and low score and then totaled the proposal scores. The Committee was comprised of two registered engineers in addition to three subject matter experts. 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:

NV5	272
Bohannon Huston	279
Wilson & Company	283
Lee Engineering	288

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

Lee Engineering	288
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There being no further business before the Committee, the Administrator adjourned the meeting at 10:30 am on 09/10/2025.

Christella Armijo

Administrator
Selection Advisory Committee

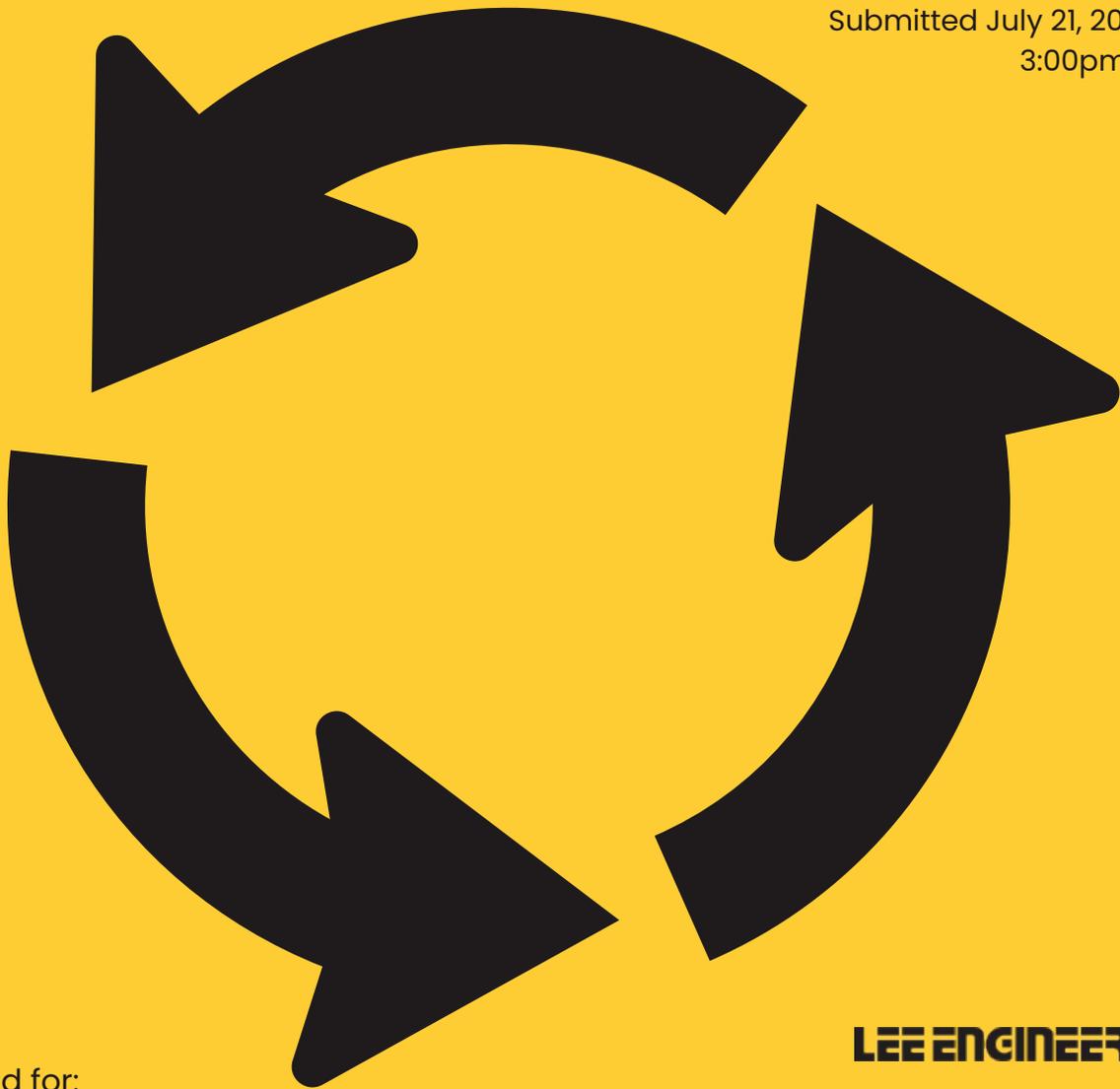
cc: City Clerk

City of Albuquerque

Traffic Engineering On-Call for NTMP Traffic Calming Program.

Project No. 150.02

Submitted July 21, 2025 at
3:00pm MDT



Prepared for:

City of Albuquerque
One Civic Plaza, Room 7057
Albuquerque, NM 87102

LEE ENGINEERING

8220 San Pedro Dr. NE, Suite 150
Albuquerque, NM 87113

(505) 338-0988
Leeengineering.com

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ARIZONA
TEXAS
NEW MEXICO
OKLAHOMA

July 21, 2025

Christella Armijo
Selection Advisory Committee
Department of Municipal Development
One Civic Plaza, Room 7057
Albuquerque, New Mexico 87102

RE: Traffic Engineering On-Call for NTMP – Traffic Calming Project

Ms. Armijo and the City of Albuquerque,

Traffic On-Calls and traffic calming projects are the mechanism by which the City of Albuquerque can address complex traffic operations and safety challenges efficiently and effectively. Lee Engineering thoroughly understands these projects and can use its traffic expertise and small company agility to assist the City of Albuquerque in critical need assessments and project development. As the only specialized traffic engineering firm in New Mexico with the talent and depth required to provide these services, Lee Engineering is qualified to complete all tasks pertaining to the *Traffic Engineering On-Call for NTMP*.

We specialize in traffic engineering, traffic safety, and transportation planning. Each of our engineers has focused their career on traffic through hands-on experience and concentrated education. This focus, combined with our dedication to tailored solutions, responsive client services, and company experience working on city, state, and federally funded projects, makes us a perfect fit for providing traffic engineering and traffic calming services to the City of Albuquerque.

Local Experience & Proven Expertise: We have a long and proud history of serving the City of Albuquerque through various contracts, including the Neighborhood Traffic Management Program and numerous Traffic On-Call Engineering Services assignments, such as Rainbow Blvd. Traffic Calming Study, Coors Blvd. Road Safety Audit (RSA), and the Channel Road (Essayons Boulevard) Feasibility Study, to name a few. Lee Engineering's experience working with the City of Albuquerque has provided us with valuable insight into the City's direction and needs, as well as the opportunity to build a strong relationship with the Project Managers.

Our Team: Lee Engineering is a firm of traffic engineers with concentrated careers, which allows us to quickly execute analyses and develop innovative solutions. As a small, flexible firm, we can provide our clients with extraordinary attention and utilize our agility to complete tasks on time and within budget.

Sincerely,

A handwritten signature in blue ink, appearing to read 'P. Barricklow'.

Paul Barricklow, PE, PTOE
Principal



Section I

General Information



505.338.0988



8220 San Pedro Dr. NW Suite 150
Albuquerque, NM 87113



www.leeengineering.com

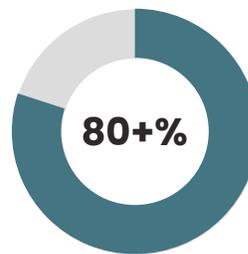
Company-wide, Lee Engineering employs more than 50 professionals throughout New Mexico, Arizona, Texas, and Oklahoma.

We are comprised of 5 principal engineers, 8 project managers, 6 project engineers, 8 engineering designers, 5 technicians, 3 administrative employees, and 9 interns. The table below highlights our Albuquerque engineers who will be directly working with the City of Albuquerque for this on-call project.

About Lee Engineering.

Lee Engineering, LLC is a specialized traffic engineering and transportation planning firm dedicated to providing exceptional services to our public and private sector clients. Our team of highly skilled engineers has focused their careers on traffic through hands-on experience and concentrated education. Utilizing our expertise and state-of-the-art equipment, Lee Engineering investigates progressive solutions for each project.

Our passion for improving the way people, goods, and services move throughout our communities is apparent in each of our projects. Lee has offices in Albuquerque and Las Cruces, NM; Oklahoma City, OK; Phoenix, Arizona; Dallas, El Paso, and San Antonio, Texas.



Over 80% of our Professional Engineers (PE) are registered Professional Traffic Operations Engineers

Lee Engineering’s Albuquerque office, located at 8220 San Pedro Dr. NE, Suite 150, will be responsible for projects associated with this City of Albuquerque contract. Each member of our Albuquerque staff has extensive experience working with the City of Albuquerque and is well-versed in City, State, and Federal procedures. Projects and assignments involving in-depth civil engineering and roadway designs will be completed by our subconsultant, Parametrix, at their Albuquerque office, located at 4041 Jefferson Plaza NE, Suite 210.

KEY TEAM MEMBER & TITLE	DISCIPLINE	REGISTRATIONS
Paul Barricklow, PE, PTOE Principal, QA/QC	Traffic Engineering	PE #17744, PTOE #1885
Jonathon Kruse, PE, PTOE Senior Project Manager	Traffic Engineering	PE #25017, PTOE #4773



Section II

Project Team Members



Tim Brown, PE

City of Albuquerque Project Engineer



Roberto Gallegos

NTMP Manager



Zach Troncoso, PE

Road Design and
Civil Engineering
(Parametrix)



Jonathon Kruse, PE, PTOE

Project Manager



Paul Barricklow, PE, PTOE

QA/QC and
Public Involvement



Stephen Montaño, EI, PTP, RSPI

Safety Studies and
Crash Analysis



Estela Gabaldon

Traffic Calming
Features Design



Michael Policastro

Traffic Analysis
and Traffic Counts

Parametrix

let's create tomorrow, together

Parametrix is a 100-percent employee-owned firm dedicated to providing high-quality, client oriented engineering, planning, and environmental consulting services to a diverse range of clients and industries. Founded in 1969, Parametrix currently has 12 offices across 6 western states and approximately 500 employees. Our New Mexico team has decades of experience delivering transportation projects from the initial planning stages through design and construction to the City of Albuquerque.

In addition to Parametrix's proven history of quality services for the City of Albuquerque, Parametrix and Lee Engineering have successfully teamed on significant projects through the years. Parametrix was chosen for their high-quality client-focused services that provide depth to the Lee Engineering team. Parametrix will be responsible for environmental services, roadway design, and civil engineering.





Paul Barricklow, PE, PTOE

Principal and QA/QC

EDUCATION

BS, Civil Engineering, University of Texas, San Antonio
 MBA, University of Texas, San Antonio

REGISTRATIONS

PE, New Mexico #17744
 PTOE #1885

Why was Mr. Barricklow Chosen? Mr. Barricklow’s atypical combination of management and engineering education combined with his hands-on experience makes him uniquely qualified for complex traffic engineering and transportation planning projects. As the founding member of Lee Engineering’s Albuquerque office, Mr. Barricklow has served New Mexico communities for over 16 years. His areas of expertise include traffic operations studies, signal design, signal timing, safe routes to school studies, ITS design, and advanced traffic modeling.

Relevant Project Experience: Coors Blvd. Automated Traffic Signal Performance Measures (ATSPM), Zuni Road Improvements - Albuquerque, NM, US 550 Corridor Plan, ABQ Signal System Expansion, Central Ave. ATSPMs – Albuquerque, Sonoma - Northrise Traffic Study, Coors Blvd. RSA, Safe Routes to School Technical Services On-Call



Jonathon Kruse, PE, PTOE

Senior Project Manager

EDUCATION

BS, Civil Engineering, NM Institute of Mining & Tech
 MBA, University of New Mexico

REGISTRATIONS

PE, New Mexico #25017
 PTOE #4773

Why was Mr. Kruse Chosen? Mr. Kruse is an experienced traffic engineer with extensive expertise in traffic operations, safety analysis, and neighborhood-scale traffic management. As the project manager for the previous City of Albuquerque’s Neighborhood Traffic Management Program (NTMP) on-call contract, Mr. Kruse oversaw every traffic study and design completed under the program, ensuring consistency, technical rigor, and responsiveness to neighborhood concerns. His leadership included directing corridor-level studies, intersection analyses, and traffic calming designs that addressed complex neighborhood traffic issues, while balancing operational efficiency and community livability.

In addition to his program management responsibilities, Mr. Kruse served as the primary technical advisor to the City throughout the previous NTMP On-call contract, collaborating closely with city staff, stakeholders, and residents to deliver effective, context-sensitive solutions. Under his oversight, the studies and designs completed during his tenure are featured as reference examples on the City’s NTMP web page, demonstrating a proven track record of successful project delivery.

Relevant Project Experience: City of Albuquerque NTMP On-Call, City Traffic Engineering On-Call, City of Albuquerque Department of Municipal Development On-Call, City of Rio Rancho Traffic and Traffic Calming On-Call



Stephen Montañó, EI, PTP, RSP,
Senior Engineering Designer

EDUCATION

BS, Civil Engineering, University of New Mexico
MS, Civil Engineering University of Vermont

REGISTRATIONS

EI, New Mexico #7583
PTP #893, RSP1 #1142

Why was Mr. Montañó Chosen? Mr. Montañó is a Senior Engineering Designer at Lee Engineering with specialized expertise in traffic engineering and multimodal safety. A certified Road Safety Professional and Professional Transportation Planner, Stephen brings experience supporting various municipal transportation projects, including neighborhood traffic management programs. Stephen has led initiatives such as Road Safety Audits, traffic calming and safety studies, and co-authored the NMDOT Road Safety Audit Guidebook. He is proficient in crash and traffic data analysis, connected vehicle data, and data visualization, skills that allow him to assess project needs and deliver effective, context-sensitive solutions.

Relevant Project Experience: Coors Blvd. Road Safety Audit – NMDOT, Silver City Road Safety Audit – NMDOT, NM 524 Road Safety Audit – NMDOT, NMDOT Road Safety Audit Guidance Manual – NMDOT, Sheriff’s Posse Traffic Study – Town of Bernalillo, NM, Town of Bernalillo Multimodal Transportation Safety Plan – Town of Bernalillo, NM, Sandia HS Area Safety and Traffic Calming Study – Albuquerque, NM, Rainbow Traffic Calming Study – Albuquerque, NM, Lead and Coal Studies – Albuquerque, NM



Estela Gabaldon
Engineering Designer

EDUCATION

BS, Civil Engineering, NM Institute of Mining & Tech.

Why was Mrs. Gabaldon Chosen? As an Engineering Designer, Mrs. Gabaldon has experience with intersection design, ITS design, road safety assessments, automated traffic signal performance measures, signal timing analysis, gap analysis, traffic standard development, roadway features design, and lighting and striping design. Mrs. Gabaldon has experience with many software modeling and analysis tools, including HCS, Synchro, and Vistro. Mrs. Gabaldon has conducted several traffic impact studies within different New Mexico and Texas jurisdictions under both privately and federally funded projects.

Relevant Project Experience: NMDOT Traffic Monitoring Standards Update, MRMPO Bicycle-Pedestrian Count Program Expansion, Las Vegas RSA, Lead and Coal Studies, West Bender Traffic Analysis, Washington Ave Gap Study, Alvarado Traffic Calming Project – City of Albuquerque, NTMP On-Call – City of Albuquerque



Michael Policastro

Senior Engineering Designer

EDUCATION

BS, Civil Engineering, NM Institute of Mining and Technology



Why was Mr. Policastro Chosen? Mr. Policastro is a Senior Engineering Designer at Lee Engineering and a NM Institute of Mining and Technology graduate. During his tenure with Lee Engineering, Mr. Policastro has completed numerous traffic impact studies and traffic calming studies within New Mexico, including several NTMP studies for Albuquerque and similar traffic calming studies for Rio Rancho. He played a key role in the quality assurance and quality control (QA/QC) of NTMP reports, ensuring accuracy and consistency in data analysis and recommendations. Additionally, Mr. Policastro, utilizing his expertise, contributed to the QA/QC review of design plans for recommended traffic calming measures, helping to ensure they met program standards and effectively addressed neighborhood concerns.

Relevant Project Experience: NTMP Traffic Calming Studies (8) – City of Albuquerque, Lomas Boulevard Road Diet Study – City of Albuquerque, ITS – Albuquerque Traffic Management, Louisiana Boulevard Improvements – City of Albuquerque, , Speed and Volume Traffic Calming Studies (9) - City of Rio Rancho, Bonanza Creek Rd. & NM14, Safety Study – Santa Fe County, Ave. Vista Grande Ped. Safety Study – Santa Fe County, NM 6/I-25 Interchange Operations Analysis – Village of Los Lunas/NMDOT, NM 6/I-25 Interchange Signal and ITS Design – Village of Los Lunas/NMDOT



Zach Troncoso, PE

Senior Engineer, Civil Engineering (Parametrix)

EDUCATION

BS, Civil Engineering, University of New Mexico

REGISTRATIONS

PE, New Mexico #25312

Why was Mr. Troncoso Chosen? Zach is a project engineer with eleven years of experience working as an engineer on municipal projects. He has been an Engineer on roadway, drainage, and trail design projects. His experience includes traffic analysis, roadway design, trail design, roundabout design, drainage analysis, cost estimates, bid documentation and support, and traffic control plans. Zach served as the project engineer for several NMDOT, Bernalillo County, and City of Albuquerque projects. He also has experience as a project manager on multiple City of Albuquerque and Bernalillo County projects. Zach is also proficient in using AutoCAD Civil 3D.

Relevant Project Experience: US 62/Hidalgo Intersection - NMDOT, I-40 Corridor Study, AZ to Albuquerque - NMDOT, Unser Boulevard Widening, Rainbow to Paradise - City of Albuquerque, Uptown Pedestrian Improvements - City of Albuquerque

Unique Team Knowledge.

With **15** years of providing traffic engineering services to the City of Albuquerque, our project team has developed intimate knowledge of city processes and procedures.

- Under the current NTMP On-Call, Lee Engineering has assisted the City in administering the traffic calming program, performing traffic calming evaluations, and participating in the public involvement process.
- Lee Engineering has provided the COA with multiple phases of signal timing coordination plans, including downtown, and has designed traffic signal interconnect networks to over three hundred signalized intersections within the metro area.
- Mr. Barricklow has been managing COA projects for over 15 years and has developed a close relationship with the City's Project Managers and an in-depth understanding of City needs and goals.
- Mr. Barricklow's Safe Routes to School training, League of American Bicyclist Certified Instructor accreditation, and project experience on the pedestrian-centric design project on Conceptual Design for Central Avenue and Unser Boulevard Intersection provides proven traffic engineering expertise and complete streetscape design, advancing COA's multi-modal initiatives.
- Mr. Kruse and Mr. Montañó have authored countless safety studies within the AMPA. The Coors Boulevard RSA and Tramway Boulevard Signal Studies encompassed a multijurisdictional effort to improve safety and efficiency.
- Lee Engineering has completed thousands of speed, volume, and turning movement vehicle counts within the AMPA using various collection techniques and technologies.
- Lee Engineering has become well-versed in hosting public meetings, as well as conducting workshops for various agencies and the general public.



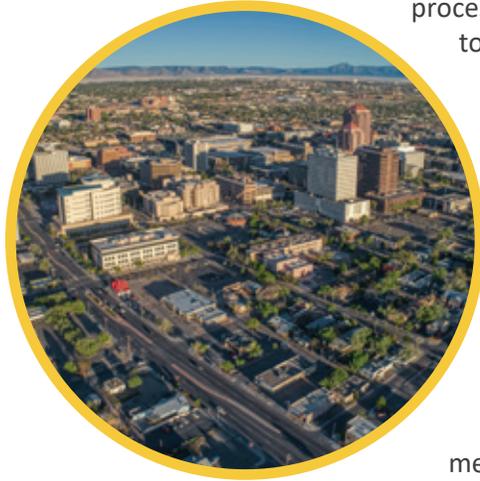


Section III

Respondent Experience

Neighborhood Traffic Management Program, NTMP – City of Albuquerque

Under this on-call contract, Lee Engineering assisted the City in administering the traffic calming program, performing traffic calming evaluations, and participating in the public involvement process. For each project, Lee's services began with data collection. Paramount to these efforts was the collection of traffic data (traffic counts) and the validation of the data to ensure accurate and appropriate traffic calming recommendations. Mr. Kruse led the team and deployed various traffic counting equipment, such as pneumatic tube counters and video recorders, to gather traffic data and provide a quantifiable means to evaluate the need for traffic calming. Building upon the data collected, Lee Engineering provided the City with an assessment of the data based on the City's NTMP policies.



Lee's portfolio of studies demonstrates a comprehensive and consistent approach to evaluating neighborhood traffic conditions across Albuquerque. Each study combined detailed speed and volume measurements with crash history analysis and assessments against NTMP policy thresholds to determine eligibility for traffic calming measures. These studies informed a range of traffic calming recommendations, from non-intrusive solutions like signage and radar trailers to physical treatments such as speed cushions and chicanes.

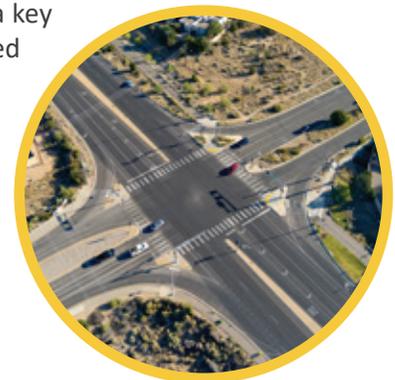
The projects completed under this contract reflect this comprehensive approach, encompassing a range of traffic calming studies and detailed engineering designs. Specifically, the portfolio of work completed under this contract included team members Estela Gabaldon and Michael Policastro includes 103 traffic roadway speed studies, 27 speed cushion / speed hump design projects, and 13 specialized design projects.

Client Reference Information: Tim Brown, PE, PTOE, Traffic Engineering Division Manager, 505.250.2587, tjbrown@cabq.gov

Traffic Engineering On-Call – City of Albuquerque

Through several iterations of various on-call contracts, Lee Engineering has been the city's preferred contractor for traffic engineering services. Most recently, in 2020, Lee Engineering was awarded the City of Albuquerque's Traffic Engineering On-Call. Under this contract to date, Estela Gabaldon, under the guidance of project managers Paul Barricklow and Jonathon Kruse, has played a key role as an engineering designer by conducting field assessments, analyzing speed and volume data, and evaluating roadway eligibility based on NTMP criteria.

Some notable tasks include: RTMC Assistance – To support the opening of the Regional Traffic Management Center (RTMC), Lee Engineering was asked to assist the Traffic Engineering Division in migrating ITS infrastructure from the city's Wyoming Traffic Operations Center (TOC) to the new RTMC. Lee also assisted in re-configuring the traffic network to integrate a video wall and new CCTV management system.



Client Reference Information: Tim Brown, Traffic Engineering Division Manager, 505.250.2587, tjbrown@cabq.gov, 5501 Pino Ave NE, Albuquerque, NM 87109

Sandia High School Area Road Safety Audit (RSA) – City of Albuquerque

The Sandia High School Area RSA and Design Project addresses traffic safety concerns in the Sandia High School Area neighborhood, bound by Louisiana Boulevard, Wyoming Boulevard, Comanche Road, and Phoenix Avenue, where residents have reported issues like speeding, cut-through traffic, and unsafe conditions for pedestrians and cyclists.

The study, conducted between January 2023 and January 2024, evaluates current traffic conditions, safety deficiencies, and the effectiveness of existing infrastructure to develop near-, mid-, and long-term countermeasures. Stephen Montaña was tasked with analysis of the RSA data. After a thorough review, proposed solutions included speed humps, traffic circles, and centerline striping to reduce vehicle speeds and discourage cut-through traffic, as well as high-visibility crosswalks, advanced yield markings, and leading pedestrian intervals to improve pedestrian safety.

Multimodal access will be enhanced with protected bicycle lanes featuring vertical separators and improved connectivity along Pennsylvania Street along with improvements to enhance the Paseo del Nordeste Trail Crossings will ensure a safer, more user-friendly environment for all, aligning with the community’s vision for a livable and secure neighborhood.



Client Reference Information: Aziza Chavez, City of Albuquerque, 505.768.3106, azizachavez@cabq.gov

Juan Tabo and Copper Neighborhood Traffic Analysis – City of Albuquerque

Parametrix, in partnership with Lee Engineering, completed a neighborhood traffic study for the City of Albuquerque Council Services following the protocols outlined in the City’s Neighborhood Traffic Management Program (NTMP). The project aimed to address pedestrian safety and speed concerns in the residential areas surrounding Tomasita St., Freeway Place, and Copper Avenue—particularly near Tomasita Elementary School, Kennedy Middle School, and Apache Elementary.



The team conducted a comprehensive evaluation of existing conditions, including speed studies, crash data analysis, and traffic volume counts. Zach and his team developed conceptual traffic calming layouts to mitigate speeding and enhance safety, especially in sensitive school zones. Final recommendations were directly guided by the NTMP criteria, ensuring alignment with the City’s thresholds and prioritization framework. The project demonstrates our team’s ability to apply the NTMP methodology effectively, delivering actionable, community-sensitive solutions that enhance neighborhood safety.

Client Reference Information: Debbie Bauman, City of Albuquerque, 505.768.3649, dbauman@cabq.gov

Project Manager's City Experience.

Through his extensive experience working with the City of Albuquerque (COA), Project Manager Jonathon Kruse has had the opportunity to learn and apply COA procedures.

Beginning in 2012, Mr. Kruse worked on several iterations of the Signal System Expansion projects, all of which were federally funded. Mr. Kruse has designed or managed the PS&E of countless miles of single-mode fiber optic cable, DMS signs, CCTV Cameras, and traffic signals, as well as multiple phases of signal coordination and timing for major corridors in Albuquerque. All expansion projects were completed through the Traffic Engineering Division, coordinated with NMDOT for Federal Funding, and completed within the DRC process. Mr. Kruse also participated in the public involvement process and completed construction phases service support.

Beyond signal system expansion projects and specific to this RFP, Mr. Kruse led the previous City of Albuquerque Neighborhood Traffic Management Program On-Call Contract. Under his leadership, Lee Engineering studied numerous roadways and designed traffic calming projects for several of those projects.

City-wide, Mr. Kruse has also supported larger roadway efforts, partnering with other firms, to include Montañó ITS Phase 1, Tramway Signal Studies, and the I-25 Improved Design-Build Project.





Section IV

Technical Approach

Understanding the Scope.

Due to the nature of the project, Lee Engineering understands that the tasks required under this project may vary greatly from project to project, and may include, but are not limited to the following: Scope preparation, site evaluation, speed and traffic data collection, speed studies, safety studies, traffic calming studies, traffic calming design, street lighting design, roadway and intersection design, and public involvement.

Communication between the Lee Engineering team and the City's Project Manager, Tim Brown, will be conducted through our Project Manager, Jonathon Kruse, who will be responsible for the successful completion of all tasks. Specialized personnel, such as signal technicians and pedestrian/bicycle experts, will be called upon on a project-by-project basis as need dictates.

Neighborhood Traffic Management Program

Lee Engineering's Neighborhood Traffic Management Program (NTMP) services are built on a foundation of responsive, data-driven traffic engineering. We specialize in managing multiple concurrent assignments efficiently, ensuring each project receives the attention it deserves. Our team is equipped to perform comprehensive traffic data collection, including turning movement counts, volume studies, and classification counts. We also conduct detailed speed studies and field observations to identify traffic patterns and concerns within neighborhoods. All findings are compiled into clear, actionable reports that support decision-making and community engagement.

Our team understands the importance of tailoring solutions to the unique needs of each community, ensuring that traffic calming measures enhance safety without compromising accessibility. With in-depth knowledge of traffic calming strategies and neighborhood traffic management best practices, Lee Engineering has authored several handbooks to guide local implementation. These include resources developed for the Village of Los Ranchos in Albuquerque and the Las Campanas community in Santa Fe.

Traffic and Safety Studies

Utilizing Lee Engineering's wealth of experience and knowledge in preparing clear, concise, yet comprehensive traffic studies, we will provide the City of Albuquerque with a responsive team to assess traffic issues. Our extensive traffic study experience

will provide the City with a wide diversity of traffic study services including but not limited to scope preparation, site evaluation, speed and traffic data collection, speed studies, safety studies, traffic calming studies, traffic calming design, street lighting design, roadway and intersection design, and public involvement.

Our staff is current with the best practices for conducting safety studies. This includes the application of the procedures found in the Highway Capacity Manual, 6th Edition and the accompanying FHWA developed IHSDM (Interactive Highway Safety Design Model) software. Based on these principles, Lee Engineering can calculate predicted base crash incident rates and compare them to predicted rates under proposed mitigation scenarios. These techniques enable us to deliver the cost-effective solution to these agencies, addressing the identified safety issues. We have applied this methodology to several Road Safety Audits conducted for the NMDOT, Village of Los Lunas, Town of Bernalillo, Truth or Consequences, and Madrid, NM, and the Lee Engineering team will apply this valuable experience and expertise to City of Albuquerque projects.

Traffic Counts

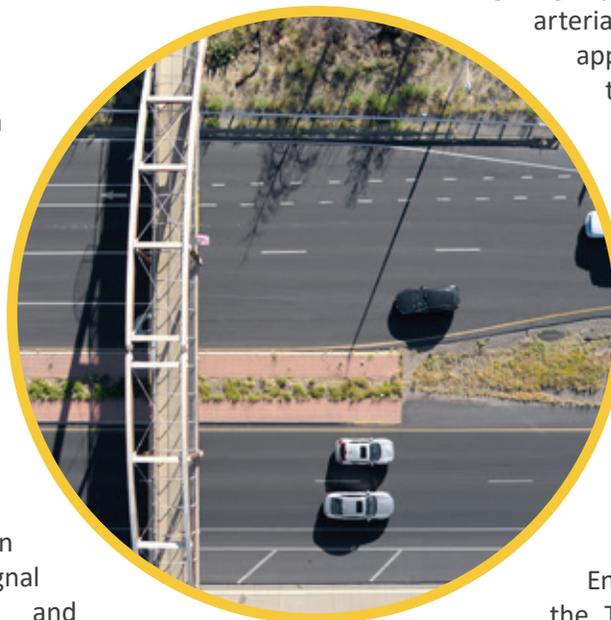
We have found that a strong foundation is key to a successful project. A thorough data collection and data reduction plan is the basis upon which a traffic study is built. Early in the scoping process, Lee addresses a data collection plan and identifies potential issues to ensure the data collected is indeed the data required for the analysis and that the highest level of accuracy is achieved.

Lee also provides in-house video-recorded intersection turning movement counts (TMCs) for our clients. With the use of this equipment, Lee can provide traditional TMCs, roundabout TMCs, roadway ADT counts, pedestrian/bicycle counts, trip generation studies, gap studies, origin-destination studies, travel time, and parking studies without the delays and mistakes associated with outsourcing traffic counts. Lee has verified the accuracy of the studies and found them greater than 95% accurate. In addition to the video-recorded turning movement counts, we also provide ADT counts with automated traffic recording machines, which provide the benefit of collecting traffic speed

Traffic Operations and Analysis

The Lee Engineering team has extensive experience in recommending appropriate roadway infrastructure based on existing traffic demands, projected traffic demand and land use, and safety needs. With over 80% of Lee’s PEs registered as Professional Traffic Operations Engineers, we can offer expert completion of origin destination, signal coordination, multi-way and signal warrant analyses, crash analysis and crash modification factors, spot speed studies, congestion assessment, pedestrian/bicycle accommodations, roundabout operations analysis, road diet applications, and access management best practices.

Lee can model potential design alternatives to determine their operational merits using software tools such as Synchro, VISTRO, Highway Capacity Software, and VISSIM. Modeling software, such as VISSIM, can provide 3D conceptualizations of potential design alternatives, which serve as an excellent communication tool for policymakers and the public when generating informed opinions about



design projects. Finally, with our engineers having first-hand experience in the signal cabinets and having provided signal timing for large portions of the City of Albuquerque, our team knows what works and what doesn't. We not only provide operational plans, but we can also assist in deploying and assessing them in the field.

Street Lighting Design

Lee Engineering has the experience and expertise to complete street lighting design using COA standards for typical arterial or residential lighting and the latest RP8 design guidance. Lee possesses the technical knowledge and software to create customized lighting plans for multi-use trails, arterial corridors, and other similar applications. Lee Engineering has the engineering know-how and in-depth knowledge of the latest lighting products to deliver a cost-effective and PNM/COA maintainable design. Utilizing AGi32 illumination software, Lee Engineering can design lighting plans to meet luminosity specifications not covered by the standards, such as pedestrian pathway lighting. Most importantly, Lee Engineering will coordinate with the Traffic Engineering Division to ensure design standards and preferences are established early in the project.

Public Involvement Programs

Lee Engineering will begin each project listening intently to develop a comprehensive understanding of the City’s needs throughout the project. Whether it concerns citizens or Council staff with unique ideas and visions, our team will first hear the desires of the project stakeholders before acting.

Lee Engineering can apply a wide variety of alternative outreach methods including surveys, newspaper advertisements, website postings, formal presentations and displays, large-format question and

answer sessions, small group sessions, workshops, and design charrettes. More in-depth and personal outreach programs, where appropriate, could include contacting individual property owners, neighborhood associations, and community interest groups like the National Federation for the Blind of NM, GABAC, and BikeABQ. Throughout the facilitation process, Lee Engineering can provide bilingual representatives to ensure that the voices of all citizens are heard.

Street Design

Lee Engineering's subconsultant, Parametrix, is well-suited to provide planning studies and reports, roadway and intersection improvements, geometric alternative analysis, drainage design, and construction contract document preparation to the City for all types of on-call projects. Our extensive experience in planning, design, and construction will ensure the timely and cost-effective completion of assigned work tasks.

Parametrix has completed pre-design, final design, and construction administration services for all aspects of roadway projects for the COA. These projects have included roadway widening and narrowing (road diets), intersection analysis and design, sidewalk improvements, site feasibility studies, parking lot improvements, trail crossings, and pedestrian enhancements.

Construction Documentation Preparation

On-call tasks requiring engineering design will require construction contract documents which include estimates, design plans, specifications, and contract book documents. Lee Engineering and Parametrix are well-versed in the City of Albuquerque document procedures and will follow the city-approved milestone process. This process requires a cursory 30% plan review, a 60% DRC review, a 90% DRC review, and a 100% Final submittal. An engineering estimate will be included with each milestone deliverable to ensure the project remains within budget. Lee Engineering and their sub-consultant will work with City staff to ensure that contract book documents are accurate and bid-ready within the approved project schedule.

Project Management, Quality Assurance, and Quality Assurance

Upon project initiation, Lee will conduct a kickoff meeting to explore solutions and develop project milestones and schedules with COA. Once the scope of work, milestones, and schedules are agreed upon, our Project Manager will distribute assignments with deadlines to the Lee team along with budget requirements.

Approach to Services.

The team members selected have skill sets uniquely suited to complete the task associated with this on-call contract. The Lee Engineering team is a proactive one, which is ready to start work even on short notice and returns calls and e-mails the day they are received. Once Lee Engineering has received a request for services, Project Manager Johnathon Kruse, will immediately coordinate with Mr. Brown to establish project goals from a City of Albuquerque perspective. Lee Engineering will then take those established goals and create a work plan including required tasks, person-hours, schedule, and deliverables for submittal to Mr. Brown. Once a notice-to-proceed is provided by the City, Lee Engineering will immediately mobilize team members to meet the established milestones. Lee Engineering will proactively provide Mr. Brown with periodic progress reports that document task progress, any project challenges, and confirm that project goals are being met. With this proactive and communicative plan, the Lee team will deliver on-call services with successful, on-time, and on-budget projects.

QA/QC Management

Lee Engineering has assigned Paul Barricklow, PE, PTOE, as the QA/QC manager. Paul Barricklow's knowledge of the unique needs of traffic engineering on-calls and his extensive experience with processes and standards of municipalities, including the City of Albuquerque, coupled with his attention to detail, will ensure quality deliverables in true third-party review.

Lee will employ an evaluation process to review plans, data, and technical documents using a QA/QC record sheet. This record sheet will be used to document all major deliverables with dates, review comments, and approval from the QA/QC Manager using a “**red/yellow/green**” review system. The QA/QC record sheet will have comments by the reviewer shown in **red**, resolution of the comments noted in **yellow**, and the Project Manager’s approval of comments noted in **green**. Additionally, client comments on deliverables will be documented in this sheet and reviewed by the Project Manager with proposed resolutions of the comments noted by the consultant and returned to COA with any revised submission. Each week, Lee will hold internal review meetings to evaluate completed tasks, deliverables, and ensure the proposed solutions align with the initial project goals. Lee will also submit progress review/status reports to the City of Albuquerque. These progress reports will help ensure tasks are completed as expected and help manage productivity, as well as serve as early detection of any issues that may arise.

Specialized Problem-Solving Techniques.

Based on our experience with similar projects in Albuquerque and other cities, the following attributes of Lee Engineering build the foundation for our team’s specialized problem solving:

Lee’s staff of in-house PEs and PTOEs allow for project scheduling flexibility to meet the tightest of schedules. Lee has a variety of technical specialists to call upon on a project-by-project basis including signal technician, signal operations, and timing expert, and Project Manager Jonathon Kruse.

Lee is already applying the NTMP techniques and complete street concept principles that the City of Albuquerque has identified in their policies.

We provide extensive experience and innovative solutions and coordination plans. From single intersections to corridor studies or grid-network system coordination, Lee will use its experience in Albuquerque to find the best solution.

Lee has the in-field practical experience and “in-the-cabinet” knowledge to assess the feasibility of proposed design alternatives from an operations perspective and can help implement designs to make alternatives work.

We have years of experience with traffic operations modeling. We are experts in using VISSIM, VISTRO, SYNCHRO, CORSIM, HSC, IHSDM, Tru-Traffic, and other traffic simulation software.

Our team has project experience with non-traditional operations control such as roundabouts and queue-cutter at-grade rail crossing signals.

As the holder of the current NTMP On-Call contract, the Lee Engineering team possesses the knowledge, insight, and experience to ensure that projects continue to be completed in accordance with the City of Albuquerque’s NTMP standards.



Section V

Cost Control

Techniques for Cost Control/Estimating

Our Team recognizes that maintaining the project schedule and cost is crucial to the success of the project. Lee Engineering takes an organized and systematic approach to managing and documenting the Team’s progress and work efforts throughout the course of the project to assure adherence to project schedule and cost.

Cost Control and Design Process

Lee Engineering’s budget management philosophy is based on frequent communication, assembling an experienced team of professionals, defining a workable schedule, a budget that is specific and detailed, and monitoring work progress and expenditures. Our project manager will oversee staffing commitments, ensure timely deliveries, and maintain product quality across all our deliverables. If new issues arise that could impact a project's scope, Lee Engineering will proactively contact the City of Albuquerque Project Manager to present these issues, allowing for the development of viable solutions to proceed quickly and efficiently.

Cost Control of Construction Cost

In the early stages of project development, Lee Engineering estimates the construction cost using planning-level costs to verify that the design will not exceed the budget. These costs are reviewed and refined with more accurate estimates as the design progresses. If it is determined that the cost estimate will exceed available funds, Lee Engineering will discuss the matter with the City and evaluate the design to explore alternative construction methods or products that may reduce costs. Additionally, we will incorporate the use of “Bid Alternates,” which allow the flexibility if the “Base Bid” is below the project budget.

Cost Estimating Techniques

Lee Engineering uses several different techniques when developing construction cost estimates. We maintain an in-depth record of past project bid results specifically for traffic-related items. Our first resource is to look at recent bid pricing from our past projects, within the past year. This in-house database is critical in estimating the unique items purchased through ITS deployment projects. Bid item estimating is also compared against pricing data provided by both the COA and NMDOT.

Previous Work Cost Comparison.

Below are three recent bid results and Lee Engineering’s cost estimates presented for comparison. Several things are notable within the construction bidding of these projects. First, there was only one bidder for each of these projects. Low competition can lead to higher bids. Secondly, the larger bid amount-cost estimate difference for Zuni Road Improvements was due to the uniqueness of Intelligent Transportation Systems equipment, price fluctuations in networking and Information Technology Equipment, and changes in equipment models in favor of newer, more reliable models. Finally, the bid amount cost difference for East Central BAT Lanes and PHBs is attributed to material cost uncertainties due to impending import tariff changes (Spring 2025), a single bidder submitting for bid, and the single bid being from a contractor that does not typically submit as prime contractor for roadway construction projects.

Name of Project	Date of Bid	No. of Bids	Final Cost Estimate	Bid Award \$
Central Atrisco Fiber Optic Expansion	4/03/2024	1	\$1,515,041.10	\$1,508,986.58
East Central Business Access and Transit (BAT) Lanes and Pedestrian Hybrid Beacons (PHB) CPN 669792	4/22/2025	1	\$1,095,861.90	\$1,818,063.90
CN A300942, Rio Bravo 2nd Street Intersction Project (BernCo)*	3/2024	1	\$843,907.00	\$935,501.35



Section VI

Certifications

City of Albuquerque Capital Implementation Program

Agreement and Insurance Certification

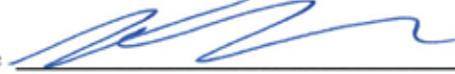
We have reviewed the standard agreement for Engineering or Architectural or Landscape Architectural Services that are required for the project listed below, and hereby certify that we will, if selected for the project, enter into this standard agreement for this project and meet all insurance requirements 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 TRAFFIC ENGINEERING ON-CALL FOR NTMP TRAFFIC CALMING PROGRAM

Project Number 150.02

Date 7/17/25 Firm Name Lee Engineering, LLC

Signature 

Title Senior Project Manager

STATE OF NEW MEXICO)

) ss

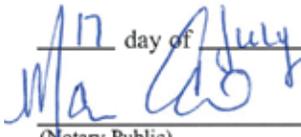
COUNTY OF BERNALILLO)

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

KRUSE, JONATHAN

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

17 day of July, 20 25.


(Notary Public)

My commission expires: 11/30/2025.

STATE OF NEW MEXICO
NOTARY PUBLIC
Maribel Alcalá
Commission No. 1136082
November 30, 2025

CERTIFICATE OF INSURANCE

This certificate is given as a matter of information only and confers no rights upon the certificate addressee.

Date: September 13, 2024	That the following policy has been issued to: Lee Engineering LLC 2944 North 44th Street Suite 250 Phoenix, Arizona 85018 USA
This is to certify to: To Whom It May Concern	
<p>Policy No. 9048049 issued by one or more member companies of Global Aerospace Pool through Global Aerospace, Inc.</p> <p>Policy Period: from September 15, 2024 to September 15, 2025 Policy Territory: Worldwide</p>	

AIRCRAFT AND COMMERCIAL GENERAL AVIATION LIABILITY	
<u>Coverages</u>	<u>Limits of Liability</u>
Single Limit Bodily Injury and Property Damage	\$1,000,000 Each Occurrence
Third Party War Liability	\$1,000,000 Aggregate
AIRCRAFT PHYSICAL DAMAGE	
Policy includes Physical Damage Coverage including war risk with insured values as set forth in the policy.	

Solely as respects an occurrence arising out of the ownership, maintenance or use of an unmanned aircraft insured under this policy and solely to the extent required in an agreement with the Named Insured, the following provisions shall apply:

The WHO IS AN INSURED section of the policy is amended to include the certificate addressee as an insured, but only as respects the Named Insured's use of the aircraft and only with respect to the certificate addressee's liability because of acts or omissions of the Named Insured. However, no such person or organization is an Insured if he, she, or it, or any of his, her, or its agents or employees is engaged in the manufacture, maintenance, repair, or sale of aircraft, aircraft engines, components or accessories, or in the operation of any airport, hangar, flying school, flight service, or aircraft or piloting service, as respects any occurrence arising out of such activity.

The insurance, as to the interest of the certificate addressee, shall be primary without right of contribution by any other valid and collectible insurance available to the certificate addressee.

We waive any right of recovery we may have against the certificate addressee because of payments it makes for physical damage to aircraft described in this certificate, but only to the same extent that the Named Insured has waived its right for recovery for such physical damage against the certificate addressee.

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. This certificate does not amend, extend or otherwise alter the coverages afforded by the policies described herein. Limits may have been reduced by paid claims.

GLOBAL AEROSPACE, INC.
BY:



Pay Equity Reporting Form



City of Albuquerque
www.cabq.gov



Bernalillo County
www.bermco.gov



Water Authority
www.abcwua.org

Company Details

Company Name	Lee Engineering, LLC	Mailing Address	2944 N. 44th St., Ste. 250 Phoenix, AZ 85018
Phone	6024438469	NM Employees?	yes
Email Address	cpurcell@lee-eng.com		

Job Category	No. Females	No. Males	Gap (Abs. %)
1.1 Exec/Senior Level Officials/Mgrs	0	1	N/A
1.2 First/Mid Level Officials/Mgrs	0	3	N/A
2 Professionals	1	5	3.53%
3 Technicians	0	0	N/A
4 Sales Workers	0	0	N/A
5 Office and Admin. Support	1	0	N/A
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	2	9	3.53%

Total # of Females (all categories)	2	Total # of Males (all categories)	9
Total # Female Only Job Categories	1	Total # Male Only Job Categories	2
Total # Part Time Females	1	Total # Part Time Males	0
Female % Workforce	18.18%	Male % of Workforce	81.82%
Total # Employees	11	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.

Crystal Purcell

Crystal Purcell, Controller		Jul 21, 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.



LEE ENGINEERING

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Albuquerque, NM 87113

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Leeengineering.com