

CITY OF ALBUQUERQUE

Albuquerque, New Mexico Office of the Mayor

Mayor Timothy M. Keller

INTER-OFFICE MEMORANDUM

DATE: October 6, 2022

TO: Isaac Benton, President, City Council

FROM: Timothy M. Keller, Mayor

SUBJECT: Mayor's Recommendation of Engineering Consultants for City Wide On-Call Engineering Services

The Selection Advisory Committee corresponded via email on October 5, 2022 to consider the following project.

- *Project:* Project No: 7225.00, 7216.00,&7217.00; Engineering Consultants for City Wide On-Call Engineering Services
- 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, planning, conceptual drawings, engineering design, NMDOT certification process, accounts payable assistance, and NMDOT reimbursements. Work may also include surveying, testing, public meetings, street/ landscape design, traffic engineering, hydrology projects, complete streets design, bicycle facility design, construction management, preparation of plans, specifications, estimates, and construction contract documents as well as other tasks. Funding sources will vary by task including local, state and federal monies, therefore POINT DEDUCTIONS will NOT be applied.

Per the SAC Committee meeting, the Committee made the following recommendation although the Engineering Division Manager requested only the top two (2) firms be awarded because there is sufficient capacity for the division at this time:

Horrocks Engineers	263
Molzen Corbin	240
Wilson & Co.	265

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:

Horrocks Engineers	263
Wilson & Co.	265

Mayor's Recommendation of Horrocks Engineers and Wilson & Co. for Project No: 7225.00, 7216.00, &7217.00; Engineering Consultants for City Wide On-Call Engineering Services.

This recommendation is being forwarded for Council consideration and action.

Approved Date

Lawrence Rael D Chief Administrative Officer Approved as to Legal Form:

DocuSigned by: lawren keek

10/13/2022 | 5:13 PM MDT

Lauren Keefe City Attorney

Date

Recommended:

-DocuSigned by:

DS

Dk

10/13/2022 | 3:53 PM PDT

Patrick Montoya

L3/2022 | 3:33 PM

Date

াPatrickৰ্পাতntoya, Director Department of Municipal Development

MIM Attachments:

Cover Analysis Composite SAC Evaluation Form Minutes of the SAC Meeting

Cover Analysis

1. What is it?

This is an On-Call solicitation for City wide On-Call Engineering services work for transportation and storm drain work.

2. What will this piece of legislation do?

This legislation will approve the selected engineering firm to provide professional technical services in support of CIP transportation and storm drain projects led by DMD.

3. Why is this project needed?

The project is needed to provide continued support for the Engineering division in the planning, design, and construction of a wide array of infrastructure projects around the City.

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

The maximum compensation is \$2,000,000 and funding sources may include local, state, and federal monies.

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

No, there is not a revenue source associated with this contract.

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

If this project is not approved, the Engineering Division will not have the ability to produce designs for projects that seek to modernize and upgrade Albuquerque's infrastructure.

7. Is this service already provided by another entity?

No, this service is not already provided by another entity. Current On-Call contracts are being utilized and additional capacity is needed to assure the City keeps up with demand.

Composite Selection Advisory Committee Evaluation Form

7225.00, 7216.00 ,&7217.00 ; Engineering Consultants for City Wide On-Call Engineering Services

DATE: 10/6/22

Evaluation Criteria	Maximum	Firm Name	Firm Name	Firm Name
	Points	Horrocks Engineers	Molzen Corbin	Wilson & Company
 General Information Provide Name and Address of Respondent and, if firm, when firm was established. Provide number of employees, technical discipline and 	25	25	25	25
 registration. Indicate where the services are to be performed. 				
II. Project Team Members				
1. Provide organization plan for management of the project.				
2. Identify all consultants to be used on the project.				
 Provide qualifications of project team members shown in organization plan, including registration and membership in professional organizations. Provide any unique knowledge of key team members relevant to the project. 	125	108	96	110
III. Respondent Experience				
 Describe previous projects of a similar nature, including client contact (with phone numbers), year services provided, construction cost (if applicable), and a narrative description of how they relate to this project. Provide examples of the Project Manager's City experience 	150	126	113	127
within the past five (5) years that serve to demonstrate the the Project Manager's knowledge of City procedures.				
 IV. Technical Approach Describe respondent's understanding of the project scope. Describe how respondent plans to perform the services required by the project scope. 	125	112	100	110
 Describe specialized problem solving required in any phase of the project. 				
V. Cost Control				
 Describe cost control and cost estimating techniques to be used for this project. 				
 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 	50	43	42	44
justification for any discrepancies that may exist with				
this information.				
VI. Quality and Content of Proposal				
1. Evaluator's rating of overall quality of proposal.	25	24	21	24
Total Possible Points	500	500	500	500
Total Points (Before Point Deductions)		438	397	440
Minus High and Low Scores Total		175	157	175
Total Points (Minus High and Low Scores)		263	240	265
Minus Point Deductions (If Applicable)		0	0	0
Sub-Total (All Applicable Deductions Applied)		263	240	265
Plus Tie Breaker Points (If Applicable)		0	0	0
SAC TOTAL SCORES		263	240	265
Plus Interview Scores		0	0	0
FINAL SCORES		263	240	265

Minutes of the Meeting of the Selection Advisory Committee October 5, 2022

via Email

Engineering Consultants for City Wide On-Call Engineering Services

Project No: 7225.00, 7216.00, & 7217.00

Present:

Jill Cuppernell, PM, Department of Municipal Development Paula Dodge-Kwan, PE, Department of Municipal Development Tim Brown, PE, Department of Municipal Development Eric Michalski, PE, Department of Municipal Development Debbie Bauman, Department of Municipal Development

Staff:

Myrna Marquez, Administrator, Selection Advisory Committee

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

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, planning, conceptual drawings, engineering design, NMDOT certification process, accounts payable assistance, and NMDOT reimbursements. Work may also include surveying, testing, public meetings, street/ landscape design, traffic engineering, hydrology projects, complete streets design, bicycle facility design, construction management, preparation of plans, specifications, estimates, and construction contract documents as well as other tasks. Funding sources will vary by task including local, state and federal monies, therefore POINT DEDUCTIONS will NOT be applied.

Maximum Compensation\$ 2,000,000.00

The Administrator contacted the SAC Committee and RFP respondents on September 29, 2022 and advised them that this meeting would take place via email on October 5, 2022. She reminded the SAC Committee to have their scores and comments emailed to her by 10:00am on October 5, 2022.

The Administrator collected the Committee members' scores and she deleted the high score and low score and then totaled the proposal scores. Point Deductions were not applied because this project contains federal funding. 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 email meeting were as follows:

235
263
230
240
265

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 Engineers	263
Molzen Corbin	240
Wilson & Co.	265

There being no further business before the Committee, the Administrator adjourned the email meeting by emailing everyone at 1:31pm on 10/5/22.

<u>Myrna Márquez</u>

Myrna Marquez, Administrator Selection Advisory Committee

cc: City Clerk

City Wide On-Call Engineering Services

Project No. 7225.00, 7216.00, & 7217.00

City of Albuquerque, NM





Proposal presented August 31, 2022

Introductory letter

August 31, 2022

City of Albuquerque Department of Municipal Development Selection Advisory Committee Attn: Myrna Marquez, Administrator E: myrnamarquez@cabg.gov

RE: City of Albuquerque, City Wide On-call Engineering Services, Project No: 7225.00, 7216.00, & 7217.00

Dear Selection Advisory Committee:

At Wilson & Company, Inc., Engineers & Architects (Wilson & Company), our multidisciplinary, experienced team is ready to support the City of Albuquerque (City) on the various tasks and services required under the Citywide On-call Engineering Services contract.

Headquartered in Albuquerque, Wilson & Company is a local partner in furthering and accomplishing the City's on-call projects. From the earliest stages of planning through completion, we collaborate with the City to meet the project's aesthetic, functional, and financial requirements. Wilson & Company has assembled a team of energetic, dedicated professionals who bring an array of talent, expertise, and fresh approaches. Our team will support the City's needs by listening and demonstrating our comprehension of your objectives, as we balance exceptional design with effective cost and project controls. By choosing Wilson & Company for this important contract, the City will receive:

A contract manager with 16 years of experience leading on-call contracts for state and municipal clients.

Audra Gallegos has served as project or contract manager on more than a dozen City projects and on-call contracts over the last several years, including the Council Services Planning and Neighborhood Traffic Management Program (NTMP) On-calls. With this experience, Audra brings an in-depth knowledge of City processes and long-term vision. As contract manager for this City-Wide On-call Engineering Services contract, she will ensure the Wilson & Company team understands your expectations, both written and unwritten, diving further than the scope of work. This enables us to meet and exceed your standards, from schedule and budget to sustainable and innovative concepts.

In-house professionals staffed to apply cost-conscious and value-based solutions.

Consolidation of in-house talent and technical staff helps control costs, create critical early alignment on analysis and direction, enhance quality control, and facilitate efficient communication with the City during each task. Wilson & Company provides a full team of more than 180 local planning, engineering, and architectural staff that understands what it takes to evolve a solution into reality. We regularly work in historic districts and cultural areas with an understanding that every project has varying considerations to be addressed.

A commitment to creating shared ownership in the success of each task order through Higher Relationships.

Higher Relationships is our culture at Wilson & Company, embodying how we partner with our staff, teammates, and clients. It is defined by five key values: discipline, intensity, collaboration, shared ownership, and solutions. By practicing these values, we build strong and lasting relationships with our partners. Wilson & Company values our on-going relationship with the City, and we do whatever it takes to meet and exceed expectations. Our team "does it right the first time," focusing on the details, without exception.



4401 Masthead Street NE, Suite 150 Albuquerque, NM 87109 505 348 4000 (phone) 505 348 4055 (fax) wilsonco.com Wilson & Company is invested in our partnership with the City and in the future of its neighborhoods and communities. We bring a spirit of cooperation to all tasks associated with this on-call contract, and look forward to continuing to help the City achieve its goals.

We hereby agree to enter into the Standard Agreement that applies to the project and to meet the described insurance requirements. Wilson & Company is the submitting organization for this proposal. Edward Cordova, PE, Vice President, is authorized to contractually obligate the company, and to negotiate the contract on behalf of the company.

For questions or clarifications regarding our submittal, or if additional information is required, please contact Audra Gallegos, PE, at 505 348 4110 or audra.gallegos@wilsonco.com.

Sincerely,

uhh Edward Cordova, PE

Principal-in-Charge Vice President

Audra Gallegos, PE

Audra Galleg**%**, PE Contract Manager

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Certifications

Appendix A: Pay equity worksheet

Appendix B: Agreement and insurance certification form

Appendix C: General and professional liability insurance coverage certificates



I. General information

Name, address, phone number, and date established

Firm name | Wilson & Company, Inc., Engineers & Architects
Headquarters | 4401 Masthead Street NE, Suite 150, Albuquerque, NM 87109
Phone | 505 348 4000
Date established | Firm: 1932, Albuquerque office: 1943
DUNS number | 007448715

Number of employees, technical discipline, and registration

Wilson & Company has the resources necessary to provide the City with a specialized and knowledgeable team of professionals. Our New Mexico staff of more than 180 experienced individuals have immediate availability to work with our contract manager, Audra Gallegos, PE, to develop approaches and solutions to each specific task under this on-call contract. See Figure 1 on Page 3 for staff member registration and discipline experience.

Location of services performed

All work will be performed from Wilson & Company's headquarters, located at the address mentioned above.

Wilson & Company understands that to meet the needs of the City, our team must be experienced, responsive, collaborative, and focused. Our team will support the City with:







Immediate response to task orders, assembling the right team for the work.



A focus on success, delivering innovative solutions on schedule and within budget.

Delivery of quality assurance and quality-controlled services.



Collaboration with you to define scope, which will help mitigate and identify potential risks.

II. Project team members

To provide attentive responsiveness and the highest level of technical capability to the City, contract manager, Audra Gallegos, PE, will rely on the expertise and experience of several key task managers. These task managers will be instrumental in successfully completing all aspects of this contract, with each having unique and specialized skills to benefit the City. Audra will coordinate all team activities identified in the organization chart and serve as the single point of contact.

Subconsultants

MRWM Landscape Architects

(local to Albuquerque)

MRWM will be performing street/landscape design for this contract. They have been involved in the design of several City projects in the historic Barelas and downtown neighborhoods, including the Plaza at the Albuquerque Rail Yards.

Wood Environmental & Infrastructure Solutions (Wood)

(local to Albuquerque)

Wood will perform materials testing and geotechnical engineering for this contract. Their pavement engineering capabilities cover a spectrum of services including data collection, distress evaluations, inspections, destructive and nondestructive testing, and design engineering services incorporating laboratory testing services, geotechnical investigations, and other services related to asphalt and concrete pavement construction and rehabilitation. Recent City experience includes the Tierra Pintada Boulevard Concrete Pavement Roundabout, Cibola Loop Multi-generational Center, and Gibson Medical Center Cooling Foundations projects.



Figure 1. Staff	member	information	and	experience
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									Field	s of	spec	cializ	atior	า						
Staff member registration number	Education level	City of Albuquerque experience	Roadway evaluations	Drainage evaluations	Traffic analysis	Public meetings	Roadway design	Storm drain design	Traffic design	DRC submittals	Structural	Architectural	Mechanical	Electrical	Utilities	Planning	Environmental	Plan Set/const. documents	Construction meetings	Construction management
Audra Gallegos NM PE #23573	BS	•	•		•	•	•		•	•					•	•		•	•	
Stephen Lujan NM PE #26338	BS	•	•			•	•			•					•			•	•	
James Lopez NM PE #24897; CFM #NM-17-00412	BS	•		•		•	•	•		•					•			•	•	•
Edward Cordova NM PE #15788	BS	•	•		•	•	•		•	•				•	•			•	•	•
Scott Perkins NM PE #10272	MS, BS	•	•			•	•			•					•			•	•	
Derek Meier NM PE #14504	MS, BS	•	•			•	•		•	•					•			•	•	
Leslie Romero NM PE #21779	BS	•	•		•	•	•		•	•				•	•			•	•	
Conrad Ley NM PE #21229	BS	•	•			•	•		•	•				•	•			•	•	•
Myra Candelaria NM PE #25660	BS	•	•		•		•		•	•				•	•			•	•	
Glen Selover NM PE #19273	BS	•		•				•		•								•	•	
Tyler Ashton PMP #2597940 NM PE #16205; CFM #NM-17-00408	BS	•		•		•		•		•					•			•	•	•
Maryam Giahi NM PE #17623	MS, BS	•		•				•		•								•	•	
Tom Van Etten NM PE #5036; PTOE #371	MS, BS	•			•				•					•				•	•	
Chris Perea NM PE #13686	MS, BS	•	•	•		•	•	•	•	•					•			•	•	•
Robert Garcia NM PE #11408	BS	•	•			•	•		•	•					•			•	•	•
Ben Aragon NM PS #15268	BS	•	•	•									•							
Coyote Sparrow NM PS #17823	BS	•	•	•									•							
Ben Bachwirtz	BA	•				•										•				
Lorenzo Cornejo, El	MS, BS	•	•		•	•										•				
Tom Melton NM PE #20554, DBIA	BS										•							•	•	•
Ram Mothe Licensed in other states	MS, BS										•							•	•	•
Greg Gentle, El	MS, BS, AS, AAS										•							•	•	
Luke Smith NM PE #27423	BS			•				•										•	•	•
Michael Wright NM RA#005225	M.Arch, BAA											•								
Brett Beaty NM RA # 003874, NCARB #57021	M.Arch	•										•								
Byron Smith NM PE #21576	BS												•					•	•	•
Daniel Grijalva NM PE #12673	BS													•				•	•	•
Brian Ambrogi NM PE #17610	MS, BS	•																•	•	•
Ross Gabaldon NM PE#26883	BS	•													•			•	•	•
Blake Roxlau	MA, BA					•										•	•			
N																				

Qualifications of project team members



NMPE #23573

Education

B.S., Civil Engineering, University of New Mexico

Organizations

Institute of Transportation Engineers, American Society of Civil Engineers Board of Directors State Director

Audra Gallegos, PE

Contract Manager, Traffic Analysis

Audra has worked on many City of Albuquerque projects and is currently managing the City's NTMP and the Council Services Planning On-call contracts. Under these two On-call contracts, she has worked with the City Traffic Division, Council Services, and Department of Municipal Development (DMD). Wilson & Company has delivered 37 tasks under the NTMP On-call, entailing more than 60 studies. Audra has worked on four design projects under this contract, which has allowed her to become familiar with the 2020 Development Process Manual (DPM). Audra's experience ranges from studies, reports, traffic calming designs, and public involvement, to street design. She has been a valuable asset with her experience in study development and in the analysis of new and existing facilities, site planning, utility coordination, and cost estimates. Audra is a key leader in the industry for traffic impact studies, parking studies, and roadway alignment studies, and is proficient in software such as HCS, VISSIM, and Synchro.

Relevant experience includes: NTMP On-call, City of Albuquerque, NM | Council Services Planning On-call, City of Albuquerque, NM | NM 45/NM 314/NM 317 Intersection Realignment, Pueblo of Isleta, NM | I-25 and Paseo del Norte Interchange, NMDOT, Albuquerque, NM | NMDOT Safety On-call, Albuquerque, NM



NMPE #26338

Education B.S., Civil Engineering, University of New Mexico

Organizations

American Society of Civil Engineers, American Society of Highway Engineers, Institute of Transportation Engineers

Stephen Lujan, PE

Roadway Evaluations/Roadway Design, Traffic Design, Preparation of Construction Documents

Stephen has more than seven years of engineering experience and has contributed to and led numerous local, tribal, state and federal transportation related projects. He is a detail-oriented leader who thrives on collaboration and teamwork. Stephen is driven to improve the communities in which he works by contributing to quality projects that meet high standards for feasibility and professionalism. He has become well-versed in the design of urban and rural streets, and he has completed scoping studies, traffic studies, grading and drainage plans, public involvement, and cost estimating.

Relevant experience includes: NTMP On-call, City of Albuquerque, NM | ADA Transition Plan Update, City of Albuquerque, NM | San Pedro Lighting Project, Lomas to Constitution, City of Albuquerque, NM | Sign Inventory Project, City of Albuquerque, NM | 50-Mile Activity Loop, City of Albuquerque, NM | Broadmoor Boulevard (Northern to Paseo del Volcan), City of Rio Rancho, NM | N5001 Toadlena to Two Grey Hills Project, Navajo DOT, Toadlena, NM | West Tsayatoh Road Project, Navajo DOT, Mentmore, NM | NM 4 Multi-Use Trail, Pueblo of Jemez, Jemez Pueblo, NM



NMPE #24897 CFM #NM-17-00412

Education B.S., Civil Engineering, University of New Mexico

Organizations

American Society of Civil Engineers, New Mexico Floodplain Managers Association



NMPE #13686

Education B.S., Civil Engineering, New Mexico State University

M.S., Civil Engineering, New Mexico State University

Organizations Institute of Transportation Engineers

James Lopez, PE, CFM Site Design/Development, Hydrology/Drainage

James has experience in all facets of civil engineering. His primary responsibilities include leading teams in the design of urban streets, storm management systems, hydrology/hydraulic studies, civil site design and grading, sanitary sewer and water distribution lines. James has worked closely with various public works departments, cities, public schools facilities planning and construction departments, and county utilities departments. His design experience is strengthened with construction observation experience of many public school projects, hydrology/hydraulic studies, and various civil site design projects. His attention to detail and strength in technical analysis and design are an asset to any project. He has modeling experience with a variety of hydrologic/hydraulic software including AHYMO-S4, HECHMS, HEC-RAS, and Civil Storm.

Relevant experience includes: Parking Lot Improvements at the City of Albuquerque Rail Yards, Albuquerque, NM | Downtown Transit Center, City of Santa Fe, NM | Iron Storm Drain, City of Albuquerque, NM | Paseo Del Norte and I-25 Reconstruction, NMDOT, Albuquerque, NM | Don Reservoir Improvements, City of Albuquerque, NM | University Boulevard at Tijeras Arroyo Improvements, City of Albuquerque, NM

Chris Perea, PE

Construction Management

Chris oversees Wilson & Company's construction management team and is well-versed in site civil engineering and drainage engineering. Chris has provided construction phase services for several water and wastewater projects including sewer lines, transmission lines, distribution systems, meters, and well sites. His responsibilities include managing all phases of construction projects, reviewing plans and specifications, field supervision of project observation crews, contractor coordination, and tracking project quantities for payment.

Relevant experience includes: Boca Negra Dam, Albuquerque, NM | La Presa Detention Facility and West I-40 Diversion Channel, Albuquerque, NM | Southwest Valley Storm Drain Improvements at Rio Grande High School, Albuquerque, NM | West I-40 Diversion Channel, Albuquerque, NM | Lyon Blvd. Storm Drain, Albuquerque, NM | Calabacillas Arroyo Stabilization Project, Albuquerque, NM | Tingley Park Flood Controls Facility and Park Reconstruction, Albuquerque, NM



Education B.A., Anthropology, Ohio Wesleyan University

M.A., Applied Anthropology, Northern Arizona University

Blake Roxlau

Blake is an environmental specialist who joined the Wilson & Company environmental team following a 25-year career with NMDOT, where he served progressively over the years as a field archaeologist, cultural resources section leader, and environmental bureau manager. In his previous position as bureau manager, Blake oversaw a diverse team of environmental professionals responsible for NMDOT and FHWA's NEPA compliance. He supervised and certified hundreds of NEPA undertakings, ranging from basic to complex. Blake was responsible for all aspects of environmental compliance relating to Threatened and Endangered Species, wildlife, Clean Water Act, National Historic Preservation Act, public involvement, environmental justice, and all other subjects under the NEPA umbrella.

Relevant experience includes: NMDOT Environmental Bureau Manager | NMDOT Cultural Resources Coordinator

Unique knowledge of key team members relevant to the project

Wilson & Company uses a collaborative approach to plan and manage engineering projects. We are structured to selfperform multiple disciplines and specialties in-house. These disciplines and specialties include our own field survey and right-of-way (ROW) team, structural design team, and environmental group in Albuquerque. Having these core disciplines under one roof has proved vital to our responsiveness and ability to execute projects successfully.

Audra Gallegos, PE | Audra has worked on dozens of City projects throughout her career at Wilson & Company. Over the past 16 years, she has served as project manager, lead designer, or manager on projects requiring all facets of City planning and design approvals and permitting—each project requiring a diverse team of professionals and experts. Audra's current role as project manager of the Council Services Planning On-call has demonstrated her responsiveness and ability to facilitate multiple task orders.

James Lopez, PE | James was the project manager on the Rail Yards Parking Lot Improvements, and drainage engineer on the Iron Storm Drain Reconstruction project. His on-going relationships with governmental agencies within the City and Bernalillo County, AMAFCA, Middle Rio Grande Conservancy District, and NMDOT are beneficial for agency coordination

Stephen Lujan, PE | Stephen has experience in civil engineering focused on site development and roadway design. He has experience in roadway projects, permanent signing and striping, traffic studies and Public Rights-of-Way United States Access Board (PROWAG) standards and guidelines.

Blake Roxlau | Blake has worked on or overseen the environmental certifications for more than 100 NMDOT-funded local government projects throughout New Mexico. He served as the cultural resources and environmental lead for the Rail Runner Express commuter train project and supervised the NEPA efforts for Bernalillo County's Sunport Extension Environmental Assessment.

Chris Perea, **PE** | Chris' strength lies in the versatility of his experience in design and construction. His responsibilities include design and management of all phases of construction projects, reviewing plans and specifications, field supervision of project inspection crews, contractor coordination, and tracking project payment quantities.

III. Respondent experience

The following project descriptions, performed by various team members on our organizational chart, illustrate our ability to provide broad services for our clients. We invite the City to contact the references associated with these projects to verify our ability to provide services within budget and schedule.

On-call Traffic Engineering Services, Operations and Neighborhood Traffic Management Program (NTMP) | City of Albuquerque, NM

Client contact: Tim Brown, PE; Phone: 505 250 2587; Email: tjbrown@cabq.gov

Date: 2018 to 2022; Cost: Varies by task

Wilson & Company is working with the traffic engineering department on this critical on-call contract, and has completed a variety of studies, data collection, and analyses throughout the City. Current responsibilities include:

- **Engineering study.** Review and analysis of the intersection of Avenida Cesar Chavez and Bradbury Drive to provide recommendations for potential improvements/enhancements for bicycles and pedestrians.
- **Multi-way stop control analysis.** Review and analysis of 20th Street NW and Bellamah Avenue NW, Paseo del Norte and Ventana West Avenue, and Lead Avenue and 10th Street, to determine if a multi-way stop control is warranted.
- **60+ speed studies throughout the City.** Analysis of data collected and evaluation of each site based on the COA NTMP Manual and ITE Traffic Engineering Handbook, based on speed, volume, crashes, and cut-through traffic.
- **Signal warrant/multi-way stop control analysis.** Review and analysis of Paseo del Norte and Ventana West, and Unser Boulevard and Summer Ridge to determine if a signal or multi-way stop control is warranted.
- **Traffic calming recommendations.** Present traffic calming alternatives for San Rafael Avenue, Gun Club Road, Harper Drive, Desert Springs Drive, Iliff Road, Freedom Way, Vivian Drive, and Yucca Drive at public meetings, recommending a final alternative and designing proposed alternative.
- **Traffic calming design.** Designed traffic calming measures and went through DRC approval for Gun Club Road, Amherst Avenue, Black Arroyo, and Yucca Drive.

NMDOT Statewide On-call General Engineering Services | NMDOT

Client contact: Rhonda Lopez, PE; Phone: 505 231 4094; Email: Rhonda.Lopez@state.nm.us Date: 2019; Cost: Varies by task

Through this on-call Wilson & Company is assisting NMDOT throughout all six districts. Services on the on-call can range from surveying to engineering to construction support. Currently we have four tasks assigned to our on-call contract, in four different districts. Task order responsibilities included:

- **Replacement of the Manuelito Rest Area Leachfield.** The scope of work entailed the design of a new distribution manhole with five additional splitter boxes, replacement of existing infiltrators, and removal and replacement of low permeability sub-layers.
- Sierra County special economic development. Wilson & Company worked with several state and local partners to select a preferred site for the facility. Our team provided many technical analyses to NMDOT examining topographical, geotechnical, environmental, and ROW constraints, and permitting requirements.
- **NM 173.** The roadway redesign included a revision to the turnout located at station 115+54 to accommodate 3 feet of fill over the existing Williams Gas line within the existing NMDOT ROW. This revision also required a modification to the previously approved TCP for the City of Aztec.
- **US 54 additional PS&E services.** NMDOT requested that the US 54 CN 4100832 and CN 4100833 construction plan sets be combined into one set to bid concurrently. The plans were adjusted, adding a combined summary of quantities and a cover sheet. Additional meetings were scoped to ensure the plans were successfully combined and bid in the spring of 2020.

Utility Improvements at the Rail Yards | Albuquerque, NM

Client Contact: Anthony Villanueva; **Phone:** 505 768 3826; **Email:** avillanueva@cabq.gov **Dates:** July 2018 - Current; **Cost:** Varies by phase

The City of Albuquerque contracted with Wilson & Company to provide engineering services for the Albuquerque Rail Yards site redevelopment. Responsibilities included:

- **Parking lot and outdoor pavilion.** The scope for this project included the reconfiguration of the parking lot to maximize onsite parking and work through removal of existing infrastructure. The site had various obstructions, fences, power poles, and railroad infrastructure throughout the site. The outdoor pavilion was a teaming opportunity with subconsultant MRWM. The seating area is a multi-use detention pond to hold the 100-year storm.
- **Utility project.** Wilson & Company designed utilities for the Blacksmith and Flue shops. The utilities included water, sewer, gas, electric, storm drain, and a duct bank for fiber optics within a 16' wide corridor. The Flue shop has been remodeled into offices and now has a Certificate of Occupancy with the Utility project completed. The project also accounted for future expansions and has utility stub outs strategically placed.
- **Streetscape project.** The streetscape project is a large sidewalk and frontage to the property including decorative fencing, landscaping, seating walls, and path lighting. This corridor will enhance the walkability to the site and provide connections to the community and connections to future projects.

Sandia National Labs (SNL) IDIQ | Albuquerque, NM

Client Contacts: Matti Sokoll/Kellie Rae Shaw - Project Managers; Facilities Project Teams; Phone: 505 845 0099 Date: 2021; Cost: Varies by task

The SNL IDIQ project enables our MEP team to work on a wide range of project types. The facility upgrades may be new buildings, additions, or complete renovations of existing spaces. We must be flexible to work with many project managers and provide any services that are needed to meet the SNL facility goals. Task order responsibilities included:

- **Building 892 Air Handling Units.** Wilson & Company designed the replacement of 21 air handling units on the roof, in mechanical rooms, and courtyards. We worked with SNL to implement a phasing plan for the sequence of construction to minimize downtime and occupant interruptions. This project involved significant upgrades to air handler ductwork and ventilation requirements, along with all new fully integrated controls for each air handler.
- Building 757. Design services for a ground up high security office building. This design required the installation of
 roof top air handlers and chillers for normal building and server cooling loads. We developed server room cooling
 systems for high density heat rejection, expanded capacity for conference room occupants, and provided general
 office cooling. All spaces had larger than typical computing heat rejection densities requiring special cooling attention.

Contract manager's experience within the last five years

Audra Gallegos has worked on various City projects throughout her career. She has served as project manager, lead designer, or staff engineer on projects that required all facets of City planning and design approvals. With her experience on these studies and design projects, Audra has become familiar with the City's process and procedures, including the 2020 Development Process Manual. Some of her recent City experience is shown below.

- Council Services Planning On-call
 - Juan Tabo Traffic Study
 - Universe Boulevard Traffic and Pedestrian Safety Study
 - Garfield Avenue Study
 - 118th Street Study
 - Juan Tabo Connectivity Study

- NTMP On-call
- Amherst Drive Intersection Design
- Black Arroyo Striping Plan
- Yucca Drive Traffic Calming Design
- Gun Club Traffic Calming Design

IV. Technical approach

Approach to on-call projects

Upon receiving a scope of work identified by the City, each project will be analyzed by Audra to assess the needs and to select the personnel for the project, determining man-hours and time required to complete the project. Our team finds it effective to discuss the project face-to-face (or in video conference) with Jill Cuppernell, the City's project manager, and with City staff, to assure we fully understand the project's scope and goals. The proposed scope, schedule, and man-hours will then be submitted to Jill for his approval. This will ensure that all the needs for each project have been identified and will meet the expectations and time frame of the City. Depending on the on-call project, we will coordinate accordingly with City staff, AMAFCA, Federal Highway Administration (FHWA), NMDOT, Bernalillo County, etc., to ensure the project covers all necessary items and follows required procedures as defined in the project scope. One of our highest goals is to build relationships with the project team, and establish an open and effective line of communication between Wilson & Company and City staff. Good communication will result in an effective team that will provide the City with the highest quality product possible.

Plan to perform the services

Under this contract, our team will become an

extension of the City's staff, serving as team members for any engineering service the City may need. For each specific task assignment, Audra will review the task with City staff and then determine which Wilson & Company staff members are the most qualified, and who is best-suited for the task based on individual expertise and familiarity with the project scope and area. The assistant project managers, Stephen Lujan and James Lopez, will help lead tasks and provide an additional avenue for expertise and quick-response time. The task manager will visit the proposed project site with City staff to gain a complete understanding of the task and its needs and challenges. After the site visit, we will prepare a detailed scope of work and fee estimate for the assignment. We will work with the appropriate technical staff to verify the assignment is properly addressed, and to develop a task order

proposal for the City, as shown in Figure 2. Our team will work closely with the City to ensure a complete understanding of the work involved, and project expectations and objectives. Upon acceptance of a task order proposal, the project manager will work directly with the City to execute the task order and move towards a notice-to-proceed.

Figure 2. Sample task order process



Delivering value

Wilson & Company's team is local to Albuquerque, so we are available to meet at project sites or in-person meetings on short notice.

Quality control program

In 2012, Wilson & Company adopted a thorough QA/ QC process as outlined in Figure 3. Derek Meier, QA/QC manager for this contract, will verify the processes and procedures are consistent with standard practices.

Specialized problem solving required in any phase of the project

Our team understands the key processes and timing and has the technical ability to respond efficiently to all task requests. We have a proven track record of responding swiftly and efficiently to tasks as evidenced by our history of work with the City. Wilson & Company understands the needs and process to develop solutions, then executes the needed effort to implement that solution. Our team has an in-depth understanding of not only the design aspects, but the construction implementations and costs, so that the full impacts can be addressed, minimizing costs and time for the City. Our past work ethic and specialized abilities allow Wilson & Company to provide a task implementation process.

Public meetings

Public meetings are often the key to success on projects and our team is especially adept in this facet of project development. We believe that early communication and building trust between our team and the residents, business owners, property owners and users is critical to project success. For both the Council Services Planning On-call and the NTMP On-call contracts, Audra has led various public meetings to engage the public and answer questions. The Juan Tabo Connectivity study meeting had approximately 100 attendees.

We recommend using digital, electronic and traditional methods to distribute and receive input. Wilson & Company will work with the City to set up a website or employ social media for any sensitive projects that need this level of outreach. We also strongly encourage resident, property owner, and business owner interviews as a component of our public involvement strategy.

Environmental

Wilson & Company has considerable experience preparing Categorical Exclusions (CEs) in accordance with NMDOT guidelines and adhering to the responsibilities for review, evaluation, consultation, and other actions pertaining to the review and approval of projects classified as CEs. Our team has collaborated with a wide variety of clients to deliver NEPA Environmental Impact Statements (EIS), Environmental Assessments (EA), CEs, and Planning and Environmental Linkage (PEL) studies across the country.

Figure 3. Quality management process



Delivering value

Within the last two years, Audra has led 12 public meetings for City of Albuquerque projects under the NTMP and Council Services Planning On-calls. She is familiar with the public involvement process, which helps the process run smoothly. We have environmental professionals with expertise in other resource areas that may be required as supporting documentation, include socioeconomic analysis, air quality and noise studies, cultural resources, and public involvement activities. All NEPA documentation will comply with standards developed by NMDOT and FHWA and other federal and state agency requirements that are applicable to any specific project.

Traffic engineering (studies & reports)

We have recent experience with the City Traffic Division as we are currently assisting the City with the NTMP On-call. As the City continues to improve its transportation system, having a consulting partner that is very familiar with the City's DPM and the NMDOT State Access Management Manual will be paramount.

Our staff is also well-versed in transportation publications, including:

- Highway Capacity Manual
- Highway Safety Manual
- MUTCD
- NMDOT Signing and Striping Manual
- NMDOT T/LPA Handbook
- Traffic Engineering Handbook
- Manual on Traffic Engineering Studies
- Trip Generation

- National Association of City Transportation Officials (NACTO) Urban Street Design Guide
- Roadside Design Guide
 - American Association of State Highway and Transportation Officials (AASHTO)'s Green Book, and Manual of Traffic Signal Design



Our team also has a broad background in traffic engineering applications, such as:

Data collection– maintenance of pneumatic tube counters, turning movement cameras, and electronic turning movement count boards to collect volume, speed, and vehicle classification data.

Operations studies – including capacity analysis, warrants (stop control, signals, roundabouts, lighting, etc.), and development and implementation of coordinated signal timing plans.

Inventories - inventory of roadway/intersection conditions or traffic signal equipment for analysis of improvements.

Roadside surveys – origin-destination studies for transportation modeling activities, and administration of public questionnaires for travel assessment.

Safety studies – conducting safety audits to identify potential geometric or traffic control deficiencies, collection and analysis of crash data, development of engineering countermeasures for improvement, benefit/cost assessment for prioritization, and before/after analysis for tracking purposes.

Traffic modeling– using PTV VISSIM micro-simulation software or Synchro macroscopic analysis and optimization software.

Bicycle facility design

Several factors impact a bicycle facility design such as speed/speed limit, functional class, traffic volume, traffic control, access/driveways, land uses, and how the facility ties into other connecting bicycle facilities. In many cases, the facility design is being developed on a roadway that is already in place today. When a road diet is part of the project, there is typically a reallocation of space to provide for a bicycle lane or some other provision. When the road is being widened, many other considerations take place such as available ROW, ditch/canal crossings, utilities, and environmental impacts. We have extensive national traffic/cyclist/pedestrian safety experience which is an important factor in determining the design of a bicycle facility. We have also been a key player in developing Albuquerque's 50-Mile Loop bicycle/multi-use trail that involves urban, suburban and rural treatments for bicycle accommodation and associated traffic design, including bicycle boxes, lanes, sharrows, and trails.

Street/landscape design

Subconsultant MRWM Landscape Architects (MRWM) has designed streetscapes for a wide variety of locations, including historic residential streets, urban arterials, busy highways, and small-town Main Streets. Their designs not only improve the aesthetic appeal of the street, but increase pedestrian safety and encourage economic development.

Roadway related landscape and site improvement often requires high-quality re-vegetation and erosion control in rural areas and complex streetscape and urban improvements in New Mexico's town and cities. MRWM is skilled at successfully integrating artwork and hard construction aesthetic enhancement efforts into the overall design of contemporary highway and street projects. Driver safety is paramount in roadway construction, and roadside or median landscape improvements need to contribute in a substantial way to this design criterion. As an added quality, well-conceived roadway landscapes should persist for decades, growing in quality and substance and providing a true long-term benefit to both taxpayers and the environment.

Hydrology and drainage

Our team has completed many drainage assessments, preliminary/final drainage reports, and drainage facility designs for the City. These include rural and urban studies and coordination with AMAFCA, Southern Sandoval County Arroyo Flood Control Authority, and other stakeholders across the city. Our staff is trained in the latest drainage software including HEC-1, HEC-HMS, HEC-RAS 2D, AHYMO, HEC-RAS, Culvert Master, Flow Master, and Hydraflow. Wilson & Company also has the in-house expertise to provide National Pollutant and Discharge Elimination Systems (NPDES) services to the City.

We have worked closely with City drainage employees on projects such as Iron Storm Drain, The Rail Yards, I-40 Channel, and Edith Transfer Station. We coordinated with City staff throughout the design process to ensure all drainage issues and needs were met in the early design stages. Creating close and collaborative working relationships with City staff helped minimize project issues and assisted in consistently meeting our deadlines.

Plans, specifications, and estimates

Wilson & Company has extensive experience with the design of urban and rural roadways, from local streets to major interstates. We have engaged in the full roadway design process, from determining the initial roadway alignment, through construction and project close-out.

Our team has prepared many design plans for projects throughout the City that included horizontal and vertical layouts, drainage improvements, roadway reconfiguration for capacity and safety, ADA pedestrian improvements, signing and striping, and signalization at intersections, information technology systems and lighting. Our vast experience in roadway design makes us well-suited to perform any on-call service required by the City.

In conjunction with preparing plans, we are also well-versed in preparing contract bid documents with our project plans. Simultaneous development of the project plans and contract book is essential to ensuring consistency between the plans and the contract documents. Our project manager will also assemble the documents required in the contract book for effective communication. These will include the City of Albuquerque Boilerplate, supplemental special provisions, standard and project specific Notices to Contractors.

Wilson & Company will have a draft contract book available at the 65% review meeting for the project team to review and provide input. The draft contract book will be further refined at the 95% milestone review, and finalized for the 100% review. We recognize that the City has their own contract book that we will use, but an added value is that Wilson & Company is very familiar with NMDOT's bid document that will be used in conjunction with the City's contract book.



Survey

Many of our survey staff have lived and practiced in New Mexico for most of their lives. We are familiar with the terrain, climate, topography, geography, geodetic control systems, public land system, State Plane Coordinate System, statutes, laws, and regulations. Our 6 fully-equipped survey crews are outfitted with the latest technology to handle all terrain and weather conditions. Local survey teams have specialized experience and technical competence in a wide range of surveying and related services including the following:

- Boundary/cadastral surveys
- ROW and topographic surveys
- Alignment/utility location surveys
- Terrestrial lidar surveys
- Horizontal and vertical site control analysis
- Cross section and profile surveys
- Legal boundary and plan and profile surveys
- Bathymetric and hydrographic surveys
- Geodetic network control surveys
- Construction layout and staking
- Rapid response emergency surveys
- Photogrammetric mapping control and aerial mapping
- American Land Title (ALTA) and GPS surveys

Construction management support and testing

Our in-house team has the expertise to provide engineering and technical support services during construction as required by the City. Our inspectors are familiar with City and NMDOT construction management procedures, because many of our inspectors are retired City/NMDOT construction personnel. Our construction personnel can assist with material testing and tracking of tests during construction. Wilson & Company has previously provided construction support services to the City and other municipal clients on various projects, including rural and urban corridors, intersections, and interchange designs. Our engineering staff will provide design support consisting of clarifications, responses to RFIs, traffic control issues, reviews of proposals, change orders, etc. We can assign a construction project manager and the appropriate inspection staff to handle any project. Our construction project managers are experienced in the federal reimbursement process and can assist the City with this process, so project funding is not jeopardized.

While our team has the experience to complete the project from planning through construction close-out, it is anticipated that with this on-call, the tasks will be smaller and may require us to augment the City's construction staff. We have successfully supported construction in this way throughout the state, and are happy to assist in any way possible.



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Fully equipped survey crews in New Mexico

Our inspectors are familiar with City construction management procedures as many of them are retired City/NMDOT construction personnel.

Experience with relevant software

We have several office managers that work with LCP Tracker and B2Gnow. These team members can perform all construction project payroll duties.



Iron Storm Drain Improvements, City of Albuquerque–Wilson & Company was responsible for the evaluation of basin hydrology and existing storm drain hydraulics, and providing pipe line and system recommendations to increase capacity.

V. Cost control

Cost control of the design process | Cost control must be a prime project objective from beginning through completion. The most important factors in achieving this are time management and clear communication among members of the design team. Since project delay is the most frequent case for cost overruns, Wilson & Company will carefully manage schedules and costs at our weekly staff meetings. We will listen to the City's needs and concerns, creating scope documents that provide the framework for a sound, thorough, and comprehensive project, as illustrated in Figure 4.

Cost control of the construction process | Project construction cost control can be attributed to good estimating practices and direct experience in managing construction projects. Wilson & Company has this expertise and will provide a project manager with broad experience, a comprehensive understanding of City procedures and requirements, a rich background in the local and regional construction cost market, and the ability to keep the lines of communication open with the City at all times to determine what best fits project needs while balancing available funding and budget.

When it appears the project budget will be exceeded, the City's project manager is immediately contacted to discuss alternatives such as deducting items of work, phasing the project, or providing a cost-benefit comparison analysis of lower-cost methods or equipment.

Cost estimating techniques | The City wants reliable cost estimates throughout the design phase and engineers' estimates that are realistic and competitive with the final bid. We will produce a clear and concise set of construction documents so bidders know what is expected and can prepare a bid containing a minimum of contingency costs.

Figure 4. Cost control process



Comparisons of bid award amount to final cost estimate

Project name	Middle Rio Grande Conservancy District New Belen/Peralta Main Project	City of Gallup Coal Ave Phase II	City of Grants 2nd Street Phase II	Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) Valle del Oro Swale		
Bid date	October 5, 2021	March 15, 2022	April 1, 2021	June 15, 2021		
Number of bids	2	1	3	3		
Final cost estimate	\$1,238,835.00	\$3,196,805.48	\$1,080,880.00	\$5,164,810.00		
Bid award	\$1,697,823.00	\$3,308.327.33	\$987,885.00	\$4,102,131.72		

Appendix A | Pay equity worksheet





City of Albuquerque www.cabq.gov



Bernalillo County www.bernco.gov



Water Authority www.abcwua.org

Company Details

Con	npany Name	Wilson & Company	Mailing Address		401 Masthead Ibuquerque, N	St. NE, Suite 150 IM 87109	
Pho	ne	505-348-4124					
Ema	ail Address	Amy.Straquadine@wilsonco.com	NM Emplo	yees? y	es		
Job	Category		No.	Females	No. Males	Gap (Abs. %)	
1.1 Exec/Senior Level Officials/Mgrs					7	N/A	
1.2	First/Mid Lev	el Officials/Mgrs	8		5	11.68%	
2	Professionals	8	24		51	7.03%	
3	Technicians	1		28	3.00%		
4	Sales Workers		0		0	N/A	
5	Office and Ar	dmin. Support	15		10	1.23%	
6	Craft Worker	s (Skilled)	0		0	N/A	
7	Operatives (\$	Semi-Skilled)	0		7	N/A	
8	Laborers (Unskilled)		0		4	N/A	
9	Service Work	kers	0		0	N/A	
	Overall Total		48		112	5.61%	

Total # of Females (all categories)	48	Total # of Males (all categories)	112
Total # Female Only Job Categories	0	Total # Male Only Job Categories	3
Total # Part Time Females	7	Total # Part Time Males	23
Female % Workforce	30,00%	Male % of Workforce	70.00%
Total # Employees	160	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.

Amy Straquadi	ne.
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Mar 28, 2022

Name and Title

Signature

Date Submitted

All Pay Equity Reporting Forms are reviewed by the Gender Pay Equity Initiative within two business days of submission. A copy of the reviewed form will be emailed to you for inclusion with your bid or proposal. If the Overall Total Pay Gap on your form is 0%, the Gender Pay Equity Initiative will certify your Pay Equity Reporting Form. A Certified Pay Equity Reporting Form may allow you to obtain a 5% preference. Please keep in mind that a Pay Equity Reporting Form - whether certified or uncertified - must be submitted with all bids and proposals. Please contact the Gender Pay Equity Initiative with any questions: oei@cabq.gov or (505),768-3512.

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Certified - Overall Gap is 0%

Amy E. Straquadine, Senior Human Resources Manager

Uncertified - Overall Gap is more than 0% Company ID: 599

Appendix B | Agreement and insurance certification form

City of Albuquerque Capital Implementation Program

Agreement and Insurance Certification

We have reviewed the standard agreement for Engineering orArchitectural 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
Project Numb	7225.00, 7216.00 & 7217.00 er
Date08/31	Firm Name Wilson & Company, Inc., Engineers & Architects
Signature	Charley Culun
Title	President
STATE OF N	EW MEXICO)
) \$\$
COUNTY O	F BERNALILLO)

JEFFREY A. PICKETT Commission Number 1115600 My Commission Expires August 3, 2024

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

Edward S. Cordova

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

18 day of Augus . 20 23 (Notary Public) 8/3/24 My commision expires: STATE OF NEW MEXICO NOTARY PUBLIC

Appendix C—General and professional liability insurance coverage certificates

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The ACORD name and logo are registered marks of ACORD

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4401 Masthead Street NE, Suite 150 Albuquerque, NM 87109 505 348 4000 (phone) 505 348 4055 (fax) wilsonco.com









August 31, 2022

City of Albuquerque, Department of Municipal Development One Civic Plaza, 7th Floor, Room 7057 Albuquerque, NM 87102 Via email to: myrnamarquez@cabq.gov

SUBJECT: CITYWIDE ON-CALL ENGINEERING SERVICES (PROJECT NO. 7225.00, 7216.00, & 7217.00)

Dear Respective Members of the Selection Advisory Committee:

HORROCKS is pleased to submit this proposal to provide professional engineering services for the Citywide On-Call Engineering Services. Our clients can attest to the integrity, ingenuity, and responsiveness that Horrocks provides our projects. Our Albuquerque office opened in January 2016 and provides full planning and design services for transportation- and drainage-related projects as well as utility coordination, subsurface utility engineering (SUE), and construction management services. Our office continues to grow, and we now have eight local senior engineers supported by several junior engineers and technicians backed by an over 820-person team of professionals within the Horrocks organization.

Horrocks is striving to becoming a trusted service provider to the City of Albuquerque (the City) and will work to meet or exceed the City's expectations. We have carefully reviewed this RFP and have a comprehensive understanding of the City's goals for completing projects under this on-call contract.

Horrocks values a robust Quality Assurance and Quality Control (QA/QC) process. Our proposal contains a summary of the quality plan we will use for tasks under this contract. The plan includes a multi-pronged approach designed to help ensure that individual deliverables achieve their intended purposes so the overall project goals and our commitments to the City are met. All deliverables such as studies, plans, specifications, contract documents, certifications, and any necessary public involvement materials will be independently reviewed prior to submittal to the City.

In the event that environmental and/or survey support is needed for any tasks assigned under this contract, we have partnered with Parametrix. Additionally, Terracon will provide geotechnical services and MRWM Landscape Architects will complete landscape architecture work.

Our team will be led by Angela Valdez, PE, CFM. Angela is an experienced project manager with 26 years of industry experience. She is familiar with the City's procedures and review requirements as well as certifications needed for federally funded projects. As shown in our proposal, she has managed on-calls for the City of Albuquerque as well as other agencies throughout New Mexico. Her leadership and design experience add significant value to our team.

Thank you again for this opportunity to present Horrocks. Our thorough understanding of the area and available staffing resources positions us well for this contract. We believe we can provide the City the high-quality services and communication that meet your expectations. We look forward to working with you!

Sincerely,

HORROCKS ENGINEERS

the the traces)

Habib Abi-Khalil, PE Principal-in-Charge

Augle Valdez

Angela Valdez, PE, CFM Project Manager



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I. GENERAL INFORMATION 1. Name, Address, Telephone Number, and Year of Establishment



Established in 1968, **HORROCKS ENGINEERS** has gained a reputation as one of the premier firms in the western United States for providing quality design and engineering services. We have 20 office locations in New Mexico, Texas, Arizona, California, Utah, Nevada, Idaho, Colorado, and Washington. 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)

2. Number of Employees, Technical Disciplines, Registrations, and Registration Numbers

Horrocks is a mid-sized, regional firm of more than 820 employees, including over 200 licensed engineers and a complete support staff of technicians, surveyors, public involvement (PI) specialists, CAD operators, GIS professionals, and administrative personnel. We have eight senior engineers in New Mexico with a total staff of 30 engineers, technicians and administrative support. We provide in-house services in transportation engineering, traffic engineering, structural engineering, drainage, SUE, ROW acquisition, and construction management and inspection.

Habib Abi-Khalil, PE, Principal New Mexico PE License No. 13475 habiba@horrocks.com | (505) 553-1972

Angela Valdez, PE, CFM, Project Manager New Mexico PE License No. 15814 angela.valdez@horrocks.com | (505) 206-0865 Our complete team members' technical discipline and licensing information is included in Section II.

3. Locations Where Services are to be Performed

Horrocks will provide all roadway, traffic, drainage, SUE, public involvement, certification, and construction management services for this contract out of our local Albuquerque office.

Subconsultants Parametrix, Terracon, and MRWM Landscape Architects will perform the following services out of their local offices:

Parametrix	Services:
9600 San Mateo Boulevard NE Albuquerue, NM, 87113	SurveyEnvironmental
Terracon	Services:
6805 Academy Pkwy W NE, Albuquerque, NM 87109	Geotechnical
MRWM Landscape Architects	Services:
1102 Mountain Rd NW #201, Albuquerque, NM 87102	 Landscape Architecture





II. PROJECT TEAM MEMBERS

1. Organizational Plan for Management of the Contract

This on-call engineering contract will be managed by Angela Valdez, PE, CFM. She 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

- 2. Consultants to be Used on the Contract
- (P) Parametrix Environmental and Survey
- (T) Terracon Geotechnical
- (M) MRWM Landscape Architects Landscape Architecture





3. Key Project Team Qualifications



ANGELA VALDEZ, PE | Project Manager & Drainage NM PE #: 15814 | NM CFM #: 13-00323 BS: Civil Engineering

Angela is a Senior Engineer with 26 years of experience in management, analysis, and design. Her experience includes management of transportation and drainage-related projects in both rural and urban areas and review and oversight of a wide range of infrastructure and roadway design projects across the states of New Mexico, Nevada, and Colorado. She is capable of managing teams, including engineering subconsultants and other professionals and vendors. Her experience includes municipal arterial and local roadway projects, drainage analysis and design for highways and urban transportation systems, development of surface water collection and conveyance facilities, and development of intersection improvements projects, including the design of roundabouts. Additional responsibilities include internal project coordination and oversight activities. Related Project Experience: Tierra Pintada Blvd. and Mirehaven Parkway Roundabout, Wyoming and Menaul Intersection Improvements*, Loma Hermosa/Glenrio Flood Reduction Project*, Albuquerque Rapid Transit (ART) Drainage Design* (*Project experience prior to joining Horrocks).



HABIB ABI-KHALIL, PE | Principal-in-Charge & Construction Management

NM PE #: 13475 | **BS:** Construction Management/ Engineering

Habib has over 30 years of transportation engineering experience, 26 of those years

were spent with NMDOT. His extensive experience with NMDOT has given him a very unique and intricate understanding of transportation engineering and the project oversight procedures NMDOT adheres to. Habib was responsible for roadway construction, roadway maintenance, engineering support, technical support, traffic operations, bridge maintenance, safety operations, equipment management, administration operations, quality management, and public relations. *Related Project Experience:* Tierra Pintada Blvd. and Mirehaven Parkway Roundabout, Rio Rancho Rockaway Boulevard Reconstruction, Edgewood South Horton Road, US 550/ NM 528 Continuous Flow Intersection, Rio Rancho Sara Road Rehabilitation.



JIM BARRERA, PE, PTOE | QA/QC

NM PE: 15723 | **PTOE #:** 968 | **BS:** Engineering (Civil)

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.



THADDEUS YAZZIE, PE | Roadway Lead

NM PE #: 25219 | BS: Civil Engineering

Thaddeus is a licensed Professional Engineer with more than seven years of experience in transportation and traffic engineering. Having

completed numerous on-call assignments and standalone projects for the City, he is very familiar with City's standards and DRC review process. *Related Project Experience:* Tierra Pintada Blvd. and Mirehaven Parkway Roundabout, NMDOT Statewide Traffic On-Call, City of Albuquerque Traffic On-Call Services*, NMDOT Statewide On-Call ITS Engineering*, NMDOT 564 from NM 118 to Manor Drive* (*Project experience prior to joining Horrocks).



ROBERT LUNA, PE, PTOE | Traffic/ITS Lead **NM PE #:** 14500 | **PTOE #:** 1269 | **BS:** Civil Engineering

With 28 years of experience in traffic and transportation engineering, Rob is extremely

knowledgeable with the City of Albuquerque and has extensive experience managing and delivering projects for the City. His project management and transportation project experience range from City of Albuquerque roadway project delivery, traffic impact studies, design analysis reports, neighborhood traffic calming, traffic and safety analysis studies, complex maintenance of traffic (MOT) design, City traffic signal/interconnect design, roadway/ roundabout lighting design, signing and striping design, ITS design, and roundabout and roadway geometric design. *Related Project Experience:* Tierra Pintada Blvd.





and Mirehaven Parkway Roundabout, NMDOT Statewide Traffic On-Call, City of Albuquerque Traffic On Call Services*, Neighborhood Traffic Management Plan On-Call* (*Project Experience prior to joining Horrocks)



DAVID WILSON, PE | NMDOT Process/ Certifications and Public Involvement

NM PE #: 13703 | BS: Civil Engineering, MBA

Having worked his entire career based in Albuquerque, David has over 29 years of professional experience in the design, project management, public outreach, and oversight of transportation projects. He has successfully led large and small projects in both the urban and rural environments. A recognized consensus builder, he strives to continuously engage his clients, stakeholders, and the public. *Related Project Experience:* Tierra Pintada Blvd. and Mirehaven Parkway Roundabout, Downtown One-Way Conversion*, Central/8th Street Roundabout*, Academy Bike Lanes Widening*, Menaul Blvd Extension Roundabout*, Tingley Drive Reconstruction*(*Project experience prior to joining Horrocks).



JEFF FREDINE | Environmental Lead

MA: Anthropology, **Graduate Certificate:** Historic Preservation and Regionalism

Jeff will be responsible for preparing environmental documents and obtaining environmental certifications for this contract. He will

also help coordinate public involvement needs. Jeff has experience in all local, state, and federal environmental and cultural resource laws including NEPA, National Historic Preservation Act, Clean Water Act, and Endangered Species Act. *Related Project Experience:* Environmental clearance for the Alameda Drain Trail, 2nd Street/Rio Bravo Boulevard Improvements, and the Valencia County Transit Center.



RANDY HEWITT, PLS | Survey Lead

NM PLS #: 14730 **BA:** Geography, **Certificate:** *Civil and Surveying Technology*

Randy will be responsible for directing survey services. He has experience in boundary,

right-of-way (ROW), ALTA, topographic, project control, and construction surveys. *Related Project Experience:* He has provided survey and mapping support for numerous City of Albuquerque, NMDOT, and other municipal and county government projects.

4. Key Team Member's Unique Knowledge

Angela Valdez has managed many on-call and projectspecific contracts for local entities across New Mexico, including contracts with the City of Albuquerque, City of Rio Rancho, Bernalillo County, NMDOT Drainage Section, SSCAFCA, ESCAFCA, Dona Ana Flood Control, and City of Santa Fe. She is specifically familiar with design procedures required by City of Albuquerque, including local specifications and standard drawings as well as NMDOT's T/LPA processes.

Jim Barrera is experienced in managing all aspects of large civil projects, including scheduling, cost tracking, design team management, quality management, and coordination with stakeholders.

During the last six years, **Habib Abi-Khalil** has been in charge of Horrocks' Albuquerque office and has worked with many clients and coordinated project designs and construction management services for several local municipalities, pueblos, and state agencies.

Thaddeus Yazzie's experience includes speed and traffic calming studies, road safety audits, maintenance of traffic (MOT) design, roadway/pedestrian/intersection lighting design, permanent signing/striping design, roadway and roadside design, preliminary and final design project delivery, coordination with public and private utilities, and PI.

Rob Luna is extremely knowledgeable with the City of Albuquerque DPM, IDO, Complete Streets, NTMP, Construction Specifications, Supplemental Technical Specifications for Signals & ITS, and DRC delivery standards and requirements.

David Wilson is familiar with both the City of Albuquerque development process, having worked on numerous Cityled projects throughout his career and the NMDOT T/LPA process having overseen multiple local-led projects in addition to significant projects for the NMDOT in the Albuquerque area. David will help ensure proper paperwork and certifications are completed so that project schedules are maintained.

Jeff Fredine has extensive experience developing categorical exclusions and environmental assessments for the NMDOT and other agencies; he was a lead author of the update to the NMDOT Location Study Procedures in 2015; and he is proficient in the requirements of the T/LPA process.

Randy Hewitt's experience combines aspects of both field and office surveying procedures, which enables him to maintain complete oversight of the surveying projects under his direction.





III. RESPONDENT EXPERIENCE

Since 2016, Horrocks' Albuquerque Office has been actively performing quality professional technical services and delivering projects in New Mexico. We are eager to continue our work for the City of Albuquerque. We believe that Horrocks has become a trusted service provider to the City, and we will continue to meet or exceed your expectations.

Engineering and Construction Management On-Call Experience

Horrocks has been fortunate to hold various on-call contracts with the NMDOT and other public and tribal

agencies. Our engineering and construction staff have supported communities with projects funded through the various state and federal funding programs, including Transportation Alternatives Program (TAP), Highway Safety Improvement Program (HSIP), CDBG, and Colonias Funding programs. Through these projects, our staff has gained a deep understanding of the federal funding requirements and challenges. Our team has a track record of completing our assigned task orders on time and on budget, while fully meeting the project requirements. The following list of on-call and project contracts demonstrates the range of services Horrocks can provide:

City of Rio Rancho

Rockaway Boulevard
 Reconstruction

Town of Edgewood

- 2016 Eng On-Call
- Church Street

Bernalillo County Eng On-Call

• Bridge Boulevard, Phase 3

Sante Fe County

 Racetrack Subdivision Drainage and Road Improvements

Isleta Pueblo

 NM 47 Two-Way Left Turn Lanes

Santo Domingo Pueblo

• Multi-Use Trail, Segment 2

Additional Current On-Call Contracts

- Pueblo of Laguna On-Call, NM
- Boulder City PW/Utilities On-Call 21-23, NV
- Central Utah Water Conservancy District Design Prof Services, UT
- Navajo Engineering Construction Authority Design Services, AZ, NM, UT
- City of Casa Grande On-Call 2021-2024, AZ
- South Valley Sewer District General Services 2021-2024, UT

NMDOT 2018 Gen Eng On-Call

- NM-337 Chilili Bridge Replacement
- SPaT System Engineering
- I-25 Montgomery Value
 Engineering
- I-25 Montgomery Detailed Estimate
- NM-12 Nash Turnout
- NM-12 Nash Turnout Geotechnical Investigations
- NM-612 Bluewater Geotechnical Investigations
- NM-12 Nash Turnout Alternatives Analysis
- NM-109 Jarales Överpass
 Public Meeting
- NM-109 Jarales Overpass Ph 1-A/B Update
- NM-337 Chilili Bridge Detour Redesign

NMDOT D3 On-Call

- NM-12 Nash Turnout Redesign
- NM 528 Utility Conflicts & Adjustments
- NM 337 Chilili Detour Redesign
- I-25 FDR Projects

NMDOT 2020 Traffic On-Call

• NM 118 Rehoboth Lighting

NMDOT 2020 CM Augmentation

- CN 4100822 Project Scheduler Expert
- CN 5100750 Project Scheduler Expert
- CN 4101290 Inspector
- CN A301234 Inspector
- CN 5100750 Inspector
- CN 2101360R Office Manager
- CN 2102111 Inspector



Rockaway Boulevard Reconstruction, Rio Rancho





1. Projects of Similar Nature

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 singlelane 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:

- David Wilson Project Manager
- Thaddeus Yazzie Project Engineer
- Angela Valdez Drainage
- Ryan McDonough SUE

Construction Cost: N/A

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

ROCKAWAY BOULEVARD RECONSTRUCTION Rio Rancho, NM | 2018-2019



Horrocks designed the reconstruction of Rockaway Boulevard in Rio Rancho and provided construction services for full-depth removal of surfacing, subgrade preparation, base course, Hot Mix Asphalt (HMA), side street tie-ins, spillway design and intersection regrading, water line and fire hydrant installation, and permanent signing and striping. Horrocks also provided an inspector for roadway items inspection, miscellaneous curb and gutter, sidewalk and ADA curb returns, materials testing monitoring, QA analysis on materials testing, traffic control management, storm water best management practices monitoring, approvalofmonthlypayquantitiesandrecommendation for payment.

How Project Relates to COA On-Call:

- Design services for roadway and drainage
- Adherence to standard guidelines
- Bidding and construction phase services

Team Members & Responsibilities:

- Jim Barrera Project Manager
- Habib Abi-Khalil Project Principal/Construction Manager
- Bud Swensen SUE

Construction Cost: \$3.6M

Client Contact/Reference: Bill Ladd • City of Rio Rancho • 505-891-5016





CHURCH STREET | Town of Edgewood, NM | 2016-2017

As the first task assignment under the Town of Edgewood's 2016 On-Call Engineering Services contract, Horrocks assisted the Town with planning and designing improvements to a one-mile segment of Church Street. With the involvement of Town staff, Horrocks developed a phased design for construction of improvements to meet State funding grants amounts. Drainage-related assignments included hydrologic analysis for estimating off-site runoff at two arroyo crossings. Adjacent constraints and limited ROW did not support the construction of conventional pipe culverts at the arroyos. Instead, Horrocks developed design details for two concrete, low-water crossings with grated box troughs, sized to convey estimated 10-year design storm flows. Other project elements included roadway grading and paving, design of an adjacent multi-use path, utility relocations, and design of multiple turnouts. In the coming year, Horrocks will assist the Town's newly elected administration in securing new State funding to construct this project.

How Project Relates to COA On-Call:

- On-call task for study and design services for roadway and drainage
- Adherence to standard guidelines
- Adherence to state funding requirements

Team Members & Responsibilities:

- Jim Barrera Project Manager
- Habib Abi-Khalil Principal
- Trevor Graff Drainage

Construction Cost: \$530,245 (estimated)

Client Contact/Reference: Juan Torrez • Town of Edgewood • 505-286-4518

SANTO DOMINGO MULTI-USE TRAIL SEGMENT 2 Santo Domingo, NM | 2018-2019



Horrocks designed Segment 2 of a Multi-Use Trail adjacent to Indian Service Road (ISR) 88. The trail was constructed from the Kewa Rail Runner Station to the baseball fields located off ISR 88. The project included the construction of a new asphalt trail, pedestrian railroad crossing, drainage extensions and culvert replacement, and lighting bollards. The Horrocks team worked with the Pueblo, the NMDOT Rail Section, NMDOT Central Region Design, and the Bureau of Indian Affairs, to complete final design and to acquire the needed ROW. The project was funded by federal grants which required Horrocks to follow FHWA and NMDOT guidelines, standards, and requirements. Horrocks also provided the construction management and inspection for this project.

How Project Relates to COA On-Call:

- Multi-modal and trail design services
- Adherence to standard guidelines
- NMDOT PS&E submittals
- Bidding and construction phase services
- Coordination with multiple entity stakeholders
- Management of federal construction contract documents

Team Members & Responsibilities:

- Jim Barrera Project Oversight and Quality Control
- Habib Abi-Khalil Project Principal and Construction Services Manager
- Trevor Graff Drainage

Construction Cost: \$610,000

Client Contact/Reference: Kathy Ashley • Santo Domingo Pueblo • 505-269-4766





BALLOON FIESTA PARK AND PAN AMERICAN FREEWAY/I-25 SOUTHBOUND ACCESS MODIFICATIONS | Albuquerque, NM | 2021

Horrocks provided support to Parametrix, who assisted the City of Albuquerque with the environmental certification and public outreach for this important and high-profile project. The project involved relocating the southbound I-25 on-ramp at the Tramway interchange so that traffic leaving the Albuquerque International Balloon Fiesta can access the interstate without requiring police assistance to counter-flow traffic along the Pan American Freeway access road. The project was on a very tight schedule and required extensive consultation with FHWA and the NMDOT Local Government Liaison. Horrocks, as a subconsultant to Parametrix, is currently providing construction management, material testing, and inspection services to the City for this project. Horrocks is working directly with the prime contractor, Mountain States Constructors, Inc., the City of Albuquerque Construction Management Section Manager, Ron Romero, PE and other team members to get this project delivered on time.

How Project Relates to COA On-Call:

- Study and design services for roadway, traffic, and drainage
- Adherence to standard guidelines
- Public involvement
- Adherence to federal requirements
- Bidding and construction phase services

Team Members & Responsibilities:

- Habib Abi-Khalil Construction Manager
- Jeff Fredine Environmental
- Randy Hewitt Survey

Construction Cost: \$2,383,800 (not inclusive of ITS Long Lead items)

Client Contact/Reference: Debbie Bauman • City of Albuquerque • 505-768-6842

. Project Manager's Experience



Our Project Manager, Angela Valdez, PE, CFM, will be the single point of contact for this on-call contract. Angela is familiar with the City's project development processes, having recently managed the Wyoming and Menaul Intersection Improvements and the

Loma Hermosa/Glenrio Flood Reduction Projects while with 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, Angela 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.

Angela 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, NMDOT Drainage Section, and several flood control authorities. Her projects with these entities successfully met planning documentation, adherence to NEPA processes, permitting, ROW and development of final design documents for federal funding requirements.

Angela has spent the majority of her career providing engineering services for public works projects. She is capable of overseeing roadway infrastructure design incorporating drainage, utilities, signing, lighting, and bridge and pedestrian improvements. Her specialty drainage skills include the completion of hydrologic and hydraulic assessments utilizing the latest modeling software programs, including HEC-HMS, HEC-RAS, StormCAD, WMS, the suite of Bentley products, and Civil 3D Storm & Sanitary Analysis. Angela is specifically familiar with drainage assessment and design procedures required by City of Albuquerque, including local specifications and standard drawings. She has also developed project-specific designs in instances where local or state details are not available. Angela has the skills, experience, and dedication to deliver successful on-call assignments to the City of Albuquerque.





IV. TECHNICAL APPROACH

Horrocks' staff and team have been involved with oncall 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.

1. Understanding of 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, speceficiations 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

2. Plan to Perform Required Services

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 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 Citv 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.
- 2. 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).
- **3. 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 Thaddeus Yazzie. He has experience in the successful development of all elements of roadway tasks. His 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 & 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 of Albuquerque 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 Angela Valdez, 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 guality 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 Robert Luna, PE, PTOE, 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, Robert Luna, 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.

David Wilson, PE, is an industry veteran with almost 30 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 inhouse. Our subconsultant, Parametrix, will provide 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.





Investigations. From Environmental 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, Habib Abi-Khalil, 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 constructibility 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.

3. Problem Solving Techniques/Innovative Services

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

1. Cost Control and Cost Estimating Techniques

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.

2. Cost Estimate/Bid Award Comparisons

The table below provides a comparison of bid award amount to final cost estimate for projects we have recently issued.

NAME OF PROJECT	MONTH/YEAR BID	NO. OF BIDS	FINAL COST ESTIMATE	BID AWARD AMOUNT
NMDOT CN A302122 I-40 Pavement Preservation MP 170.1 - 174.2	January 2022	2	\$7,953,817.10	\$8,181,260.50
Santo Domingo Pueblo Multi-Use Trail, Phase 2	Janurary 2021	1	\$659,000	\$432,000
Pueblo of Isleta NM 47 TWLTL	June 2020	3	\$2,492,924.00	\$2,142,546.40

Why Select Horrocks Engineers:

- » Experienced Project Manager
- » Dedicated and local project team
- » Capable of providing effective virtual and in-person outreach and meetings
- » Effective quality plan with project specific-elements





VI. CERTIFICATIONS



City of Albuquerque Capital Implementation Program

Agreement and Insurance Certification

We have reviewed the standard agreement for Engineering orArchitectural 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
Project Number7225.00, 7216.00, & 7217.00
Date August 31, 2022 Firm Name Horrocks Engineers
Signature Hick Huero
Title Principal Engineer
STATE OF NEW MEXICO)
) \$\$
COUNTY OF BERNALILLO)

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

Habib Abi-Khalil

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

31 day of	, 20 <u></u>	
An		
(Notary Public)	12/22/2021	
My commision expires:	12 20 2024	
•		

HEATHER SU ABI-KHALIL Notary Public - State of New Mexico Commission # 1116577 My Comm. Expires Dec 23, 2024





ACORD	CERT	IFICATE OF LIA	ABILITY INS	нс SURAN	DRRENG-01	DATE	AGALLAHER (MM/DD/YYYY) 47/2022
THIS CERTIFICATE IS ISSUED AS CERTIFICATE DOES NOT AFFIRMA BELOW. THIS CERTIFICATE OF I REPRESENTATIVE OR PRODUCER,	A MATTE TIVELY (NSURANC AND THE	ER OF INFORMATION ON OR NEGATIVELY AMEND CE DOES NOT CONSTITL CERTIFICATE HOLDER.	ILY AND CONFERS , EXTEND OR ALT ITE A CONTRACT	NO RIGHTS FER THE CO BETWEEN	UPON THE CERTIFICA OVERAGE AFFORDED THE ISSUING INSUREF	TE HOL BY TH R(S), AU	LDER. THIS E POLICIES ITHORIZED
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PRODUCER			CONTACT Ashley	Gallaher			
American Insurance & Investment Corp 448 South 400 East	•		PHONE (A/C, No, Ext): (801) 3	364-3434 62	25 FAX (A/C, No):	(801) 3	355-5234
Salt Lake City, UT 84111			E-MAIL ADDRESS: Ashley.C	Gallaher@a	merican-ins.com		1
			INS	SURER(S) AFFOR			NAIC #
			INSURER A : Hartfor	d Fire Insul	rance Co.		19682
Horrocko Engineero Ino			INSURER B : Hartfor	d Ins Co of	The Midwest		29424
2162 W Grove Pkwy, Ste 4	00		INSURER D : XL Spe	cialty Insur	ance Company		37885
Pleasant Grove, UT 84062			INSURER E :				
			INSURER F :				
COVERAGES CE	RTIFICA	TE NUMBER:			REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLI INDICATED. NOTWITHSTANDING ANY CERTIFICATE MAY BE ISSUED OR MA EXCLUSIONS AND CONDITIONS OF SUC	CIES OF IN REQUIRED Y PERTAIN H POLICIE	NSURANCE LISTED BELOW MENT, TERM OR CONDITIO N, THE INSURANCE AFFOR S. LIMITS SHOWN MAY HAVE	HAVE BEEN ISSUED N OF ANY CONTRA DED BY THE POLIC BEEN REDUCED BY	TO THE INSUF CT OR OTHEF IES DESCRIB PAID CLAIMS	RED NAMED ABOVE FOR R DOCUMENT WITH RESP ED HEREIN IS SUBJECT	THE POI ECT TO TO ALL	LICY PERIOD WHICH THIS THE TERMS,
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					EACH OCCURRENCE	\$	1,000,000
		34UUNOZ0016	7/1/2022	7/1/2023	PREMISES (Ea occurrence)	\$	10 000
	-				MED EXP (Any one person)	\$	1,000,000
	-				GENERAL AGGREGATE	¢	2,000,000
					PRODUCTS - COMP/OP AGG	ŝ	2,000,000
OTHER:						\$	
B AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
		34UENOZ0028	7/1/2022	7/1/2023	BODILY INJURY (Per person)	\$	
AUTOS ONLY AUTOS					BODILY INJURY (Per accident))\$	
					(Per accident)	\$	
						\$	10,000,000
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C WORKERS COMPENSATION					X PER OTH- STATUTE ER		
	N A	34WEOK8H0L	7/1/2022	7/1/2023	E.L. EACH ACCIDENT	\$	1,000,000
(Mandatory in NH)					E.L. DISEASE - EA EMPLOYER	E \$	1,000,000
DESCRIPTION OF OPERATIONS below			7/1/2022	7/1/2023	E.L. DISEASE - POLICY LIMIT	\$	1,000,000
D Retro Date 1/1/1965		DPR9994645	7/1/2022	7/1/2023	Aggregate		10,000,000
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEH Professional Liability Deductible \$200,000	ICLES (ACO	RD 101, Additional Remarks Schedu	I alle, may be attached if mo	le space is requir	i red)		
			CANCELLATION				
"Proof of Insurance"			SHOULD ANY OF THE EXPIRATIO ACCORDANCE WI	THE ABOVE D N DATE TH TH THE POLIC	ESCRIBED POLICIES BE C IEREOF, NOTICE WILL CY PROVISIONS.	ANCELI BE DE	LED BEFORE LIVERED IN
			AUTHORIZED REPRESE				
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Pay Equity Reporting Form



City of Albuquerque Www.cabq.gov







Water Authority www.abcwua.org

Company Details

Company Name Phone		Horrocks Engineers		Mailing Address		6001 Indian School Rd HE, Suite 250 Albuquerque, NM 87110			
Email Address habiba@horrocks.com				NM E	mployees?	ye	25		
Job Category				No. Females No. Males			Gap (Abs. %)		
1.1	Exec/Senior L	evel Officials/Mgrs			0		1	N/A	
1.2	First/Mid Leve		0 0		0	N/A			
2	Professionals		3			22	18.00%		
3	Technicians				0		0	N/A	
4	Sales Workers	3			0		0	N/A	
5	Office and Adr	min. Support			2		0	N/A	
6	Craft Workers	aft Workers (Skilled)			1		4	19.07%	
7	Operatives (Semi-Skilled)				0		0	N/A	
8	Laborers (Uns			0		0	N/A		
9	Service Worke			0		0	N/A		
	Overall Total				6		27	18.18%	

Total # of Females (all categories)	6	Total # of Males (all categories)	27
Total # Female Only Job Categories	1	Total # Male Only Job Categories	1
Total # Part Time Females	0	Total # Part Time Males	0
Female % Workforce	18.18%	Male % of Workforce	81.82%
Total # Employees	33	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.

Habib Abi-Khalil, PE | Principal

Jun 27, 2022

Name and Title

Signature

Date Submitted

All Pay Equity Reporting Forms are reviewed by the Gender Pay Equity Initiative within two business days of submission. A copy of the reviewed form will be emailed to you for inclusion with your bid or proposal. If the Overall Total Pay Gap on your form is 0%, the Gender Pay Equity Initiative will certify your Pay Equity Reporting Form. A Certified Pay Equity Reporting Form may allow you to obtain a 5% preference. Please keep in mind that a Pay Equity Reporting Form - whether certified or uncertified - must be submitted with all bids and proposals. Please contact the Gender Pay Equity Initiative with any questions: oei@cabq.gov or (505) 768-3512.

Certified - Overall Gap is 0%

Gender Pay Equity Representative

Uncertified - Overall Gap is more than 0% Company ID: 668

