



**Request for Qualifications**  
 Solicitation No.  
**ADSP017-00006796**  
 Description:  
**2017 Annual Professional Services List**

Arizona Department of  
 Administration  
**State Procurement Office**  
 100 N 15th Ave., Suite 201  
 Phoenix, AZ 85007

Part 4 of the Solicitation Documents:  
**Offer Forms**  
 (Attachments)  
 Date: February 7, 2017

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Attachment 1  
**Offer and Acceptance Form**

**SUBMISSION OF OFFER:** Undersigned hereby offers and agrees to provide qualifications for **2017 Annual Professional Services List** in compliance with the Solicitation indicated above and our Offer indicated by the latest dated version below:

|                |    |                 |                       |  |
|----------------|----|-----------------|-----------------------|--|
| Initial Offer: | 1. | <b>2/8/2017</b> | <i>David F. Marum</i> |  |
|                |    | date            | initial               |  |

**Wilson & Company, Inc., Engineers & Architects**

Offeror company name

*Daniel F. Marum*

Signature of person authorized to sign Offer

Initials

**410 N. 44<sup>th</sup> Street, Suite 460**

Address

**Daniel F. Marum, AVP, Southwest Transportation Planning Manager**

Printed name and title

**Phoenix, Arizona 85008**

City | State | ZIP

**Daniel F. Marum, AVP, Southwest Transportation Planning Manager**

Contact name and title

**48-1176300**

Federal tax identifier (EIN or SSN)

**[Dan.Marum@wilsonco.com](mailto:Dan.Marum@wilsonco.com)**

Contact Email Address

**602-283-2702**

Contact phone number

**CERTIFICATION:** By signature in the above, Offeror certifies that it:

- will not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246, [Arizona] State Executive Order 2009-9 or A.R.S. §§ 41-1461 through 1465;
- has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted offer. Failure to provide a valid signature affirming the stipulations required by this clause will result in rejection of the Offer. Signing the Offer with a false statement will void the Offer, any resulting contract, and may be subject to legal penalties under law;
- complies with A.R.S. § 41-3532 when offering electronics or information technology products, services, or maintenance; and
- is not debarred from, or otherwise prohibited from participating in any contract awarded by federal, state, or local government.

**ACCEPTANCE OF OFFER:** State hereby **accepts the initial Offer**, Revised Offer, or Best and Final Offer identified by number **ADSP017-00006796** at the top of this form, and which was dated 02/08/17 (the Accepted Offer). Offeror is now bound (as Contractor) to carry out the Work under the attached Contract, of which the Accepted Offer forms a part. Contractor is cautioned not to commence any billable work or to provide any material or perform any service under the Contract until Contractor receives the applicable Order or written notice to proceed from Procurement Officer.

**State's Contract No. is: ADSP017-00006796**

**The effective date of the Contract is:** 04/03/17-01/30/18

**Contract awarded** 04/03/17

*Gina DeCotiis*  
Procurement Officer signature

Gina DeCotiis  
Procurement Officer printed name

Contract qualification award can be viewed at <https://spo.az.gov/procurement-services/professional-services>



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Attachment 2-A  
**Experience and Capacity**

STATE MAY DETERMINE YOUR SUBMITTAL IS NON-RESPONSIVE IF YOU DO NOT ANSWER ALL QUESTIONS FULLY.

**DEFINITIONS**

Architect Services, Engineer Services, Land Surveying Services, Assayer Services, Geologist Services and Landscape Architect Services: Those professional services within the scope of the practice of those services as provided in A.R.S § 32-101.

**Branch Office:** A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

**Discipline:** Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

**Firm:** Defined in A.R.S § 32-101(B.13.).

**Key Personnel:** Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

**Structure:** How a business is organized to accomplish its objectives (ie, Sole Proprietor, Limited Liability Company, Cooperative, Corporation, Partnership, S Corporation).

**1.0 Five (5) Example Projects**

List no more than five (5) **ARIZONA PROJECT** Example Projects Which Best Illustrate Firms Qualification for this contract in the chart provided below. Select project where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this qualifications list contract. (NOTE: The integrity of the chart table columns shall remain unchanged, however the rows for each project may be expanded by the Offeror to accommodate the information).

- a. Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
- b. Enter the year completed of the professional services (such as planning, engineering study, or design), and/or the year completed if construction. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block f).
- c. Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
- d. Provide the original budget or not to exceed dollar amount for the project.
- e. Provide the Total Cost of the Project. If any of the professional services or construction projects is not complete, indicate the percentage complete and whether this project will be on budget, over or under budget.
- f. Brief Description: Indicate scope, size, and length of project, principle elements and special features of the project. Discuss the relevance of the example project to this contract.



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| Title and Location of Project                               | Design Completion Year | Construction Completion Year | Project Owner       | Project Original Budget (or not to exceed amount) | Total Cost of the Project  | Brief Description of Project   |
|---|------------------------|------------------------------|---------------------|---|--|--|
| On-Call Professional Services, City of Casa Grande, Arizona | 2012-Ongoing           | N/A                          | City of Casa Grande | On-Call, no max amount on Budget, per task amount | \$151,566 on total projects thus far, that have come out of this On-Call | <p>Since 2012 Wilson &amp; Company has held an on-call contract with the City of Casa Grande for as needed task orders. Task orders may include general civil engineering, structural engineering, electrical and/or mechanical engineering, survey/right-of-way services, and local transit system study services.</p> <p>Executed task orders have ranged from warrant studies for traffic signal or all-way stop sign installation to concept design of intersections to assist in preservation of right-of-way. Project examples included:</p> <ul style="list-style-type: none"> <li>• Various intersection signal warrant analysis</li> <li>• Trekell Road, State Route 287 Intersection ROW Study</li> <li>• Florence Boulevard Roundabout Conceptual Layout</li> <li>• Access Management Guidelines Update</li> <li>• Topographical survey of future Splash Pad at Peart Park</li> </ul>   |
| City of Maricopa Area Transportation Plan                   | 2015-Ongoing           | N/A                          | City of Maricopa    | \$350,000   | Ongoing  | <p>Wilson &amp; Company is assisting the City of Maricopa with this effort to identify future roadway, transit, pedestrian, and bicycle facility needs. The study consists of three separate efforts that will guide the development of these future transportation facilities. The first effort was a Transportation Master Plan that focuses on needs within the City limits and Municipal Planning Area over the next 25 years. It defines existing and future deficiencies in the transportation network; identify needed improvements to the roadway, transit, pedestrian, and bicycle network to respond to forecasted growth in population and employment; develops standards to ensure that future transportation infrastructure supports the needs of all modes of travel (car, transit, bicycling, walking); establishes priorities for the Transportation Improvement Program (TIP); provide input to MAG's NextGen Regional Transportation Plan; and informs the Circulation Element for the City's next</p> |



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|                                      |                |     |                     |          |         |   |
|--------------------------------------|----------------|-----|---------------------|----------|---------|---|
|                                      |                |     |                     |          |         | <p>General Plan Update. The second effort is a Regional Connectivity Plan that examines connectivity needs associated with the regional roadway network for a long-range growth scenario associated with buildout of the City and surrounding communities. It examines the roadway network to assure functions and capacity match projected growth if the City and surrounding communities were to develop to the full potential of their General Plan land uses; plans for multimodal connections with other Pinal and Maricopa County communities; and provides Long Term Guidance, Design Standards, and Right of Way requirements for regional facilities. The third effort, is Plan Implementation Support. For this effort, a series of supporting efforts is being conducted to provide support for implementation of the ATP, including research on development funding for transportation projects; more detailed assessment of the potential alignment of identified future high-priority, high-capacity corridors; defining opportunities to bring certain Character Areas into compliance with City standards; and integration of requirements for transportation related drainage infrastructure. In a related effort, Wilson &amp; Company was also contracted to develop signing and striping plans for the Honeycutt Road corridor to reflect potential for implementation of Complete Street principals being developed in conjunction with the ATP.</p> |
| Casa Grande Transit Development Plan | 2015 - Ongoing | N/A | City of Casa Grande | \$50,000 | Ongoing | <p>Wilson &amp; Company is working with the City of Casa Grande and Sun Corridor Metropolitan Planning Organization on the first transit plan for this urbanizing area. The plan has the following objectives:</p> <ul style="list-style-type: none"> <li>• Understand existing and future needs and issues;</li> <li>• Establish the goals and objectives for transit service;</li> <li>• Identify transit needs and services;</li> <li>• Develop service alternatives, recommendations and an implementation plan;</li> <li>• Identify a financial plan that will make transit affordable; and</li> <li>• Attract transit users.</li> </ul> <p>This process includes a robust public involvement effort including community and stakeholder engagement, both electronically and in-person.</p>  |



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|   |              |     |  |           |          |  |
|---|--------------|-----|--|-----------|----------|--|
| South Phoenix/Laveen Drainage Improvement/and Aerial Mapping                            | 2015-Ongoing | N/A | Flood Control District Maricopa County | \$325,000 | Ongoing  | <p>Wilson &amp; Company provided ground control survey and airborne-GPS base stations, GPS controlled digital aerial photography, analytical aerotriangulation, and high accuracy topographic mapping with pertinent planimetric detail (roads, drains, etc.) meeting Maricopa County and FEMA specifications.</p> <p>The high accuracy mapping was checked against independent survey data acquired by the County and was well within accuracy specifications. Engineers and Flood Plain Managers are now using timely high accuracy topographic mapping for their updated Drainage Master Plans and to identify flood control problems and plan for the construction of facilities that will eliminate or minimize flooding problems.</p> <p>In addition, Wilson &amp; Company delivered georeferenced multi-spectral digital imagery including natural color and color infrared. This allows the County to view the imagery in an interactive GIS environment. This is the first time they have received digital imagery for a mapping project.</p> |
| City of Phoenix Engineering On-Call Storm Drain Improvements- 16th Place & Violet Drive | 2015         | N/A | City of Phoenix                        | \$33,000  | \$33,000 | <p>The project is located at the intersection of 16th Place and Violet Drive, in the southern portion of Phoenix. The project is within a developed residential area to the east and south, vacant buildings and businesses to the west, and a church to the south. The city of Phoenix has received flooding complaints from homeowners at 4602 and 4610 South 16th Place. An engineering study for drainage improvements was completed in July 2010 with an evaluation of the existing conditions and an alternatives analysis. The Recommended Solution from the study is Alternative 2. This scope of work is based on providing final design documents for Alternative 2 of the study prepared by Kennedy/Jenks Consultants, dated July 1, 2010.</p>  |

|  |   |   |
|--|---|---|
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|--|---|---|

Attachment 2-A  
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## 2.0 EMPLOYEES BY DISCIPLINE

|                                  |   |                                 |
|----------------------------------|---|---------------------------------|
| <b>Aeronautical Engineer</b>     | <b>Electrical Engineer</b>                      | <b>Mechanical Engineer</b>      |
| <b>Agricultural Engineer</b>     | <b>Environmental Engineer</b>                   | <b>Metallurgical Engineer</b>   |
| <b>Archeologist</b>              | <b>Environmental Scientist</b>                  | <b>Mining Engineer</b>          |
| <b>Architect</b>                 | <b>Fire Protection Engineer</b>                 | <b>Nuclear Engineer</b>         |
| <b>Architectural Engineering</b> | <b>Geodetic Surveyor</b>                        | <b>Petroleum Engineer</b>       |
| <b>Biologist</b>                 | <b>Geographic Information System Specialist</b> | <b>Photogrammetrist</b>         |
| <b>CADD Technician</b>           | <b>Geological Engineer</b>                      | <b>Project Manager</b>          |
| <b>Chemical Engineer</b>         | <b>Geologist</b>                                | <b>Sanitary Engineer</b>        |
| <b>Civil Engineer</b>            | <b>Hydrographic Surveyor</b>                    | <b>Soils Engineer</b>           |
| <b>Construction Manager</b>      | <b>Hydraulic Engineer</b>                       | <b>Structural Engineer</b>      |
| <b>Construction Inspector</b>    | <b>Hydrologist</b>                              | <b>Technician/Analyst</b>       |
| <b>Control Systems Engineer</b>  | <b>Industrial Engineer</b>                      | <b>Transportation Engineer</b>  |
| <b>Cost Engineer/Estimator</b>   | <b>Landscape Architect</b>                      | <b>Water Resources Engineer</b> |

Enter requested information in the chart provided below:

- a. Select disciplines from the List of Disciplines. For employees that do not qualify for any of the disciplines, select "Other".
- b. Each person can be counted only twice; once for his/her primary function and once for his/her secondary function. Primary and secondary functions should be indicated by including a "P" or an "S" in column b after the Description Title is given.
- c-d. If the form is completed for a firm (including all branch offices), enter the number of employees by disciplines in column c. If the form is completed for a branch office, enter the number of employees by discipline in column d and for the firm in column c. (NOTE: The Offeror may insert or delete rows in the existing Employees by Discipline chart table on page six (6 as necessary to complete the requirements for Question 2).



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EXAMPLE:

| a. Discipline Title | b. Function: Primary (P) or Secondary (S) | c. No. of Employees Firm | d. No. of Employees Branch  |
|---------------------|---|--------------------------|---|
| Example: Architect  | P   | 138                      | 50-Yuma Branch<br>50-Tempe Branch<br>38 – Phoenix Branch                  |
| Example: Architect  | S   | 20                       | 5-Yuma Branch<br>5-Tempe Branch<br>5 – Phoenix Branch<br>5- Tucson Branch |

| a. Discipline Title     | b. Function: Primary (P) or Secondary (S) | c. No. of Employees Firm | d. No. of Employees Branch |
|-------------------------|---|--------------------------|----------------------------|
| Admin                   | (P)                                       | 78                       | 1                          |
| Architect               | (P)                                       | 12                       |                            |
| CADD Technician         | (P)                                       | 65                       | 2                          |
| Civil Engineer          | (P)                                       | 63                       |                            |
| Construction Inspector  | (P)                                       | 27                       |                            |
| Electrical Engineer     | (P)                                       | 7                        |                            |
| Environmental Engineer  | (P)                                       | 1                        |                            |
| Environmental Scientist | (P)                                       | 4                        |                            |
| GIS Specialist          | (P)                                       | 2                        |                            |
| Geologist               | (P)                                       | 2                        |                            |
| Land Surveyor           | (P)                                       | 34                       | 2                          |
| Mechanical Engineer     | (P)                                       | 7                        |                            |
| Photogrammetrist        | (P)                                       | 2                        |                            |
| Planner: Urban/Regional | (P)                                       | 10                       | 4                          |
| Project Manager         | (P)                                       | 16                       | 2                          |





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|                          |     |            |           |
|--------------------------|-----|------------|-----------|
| Specification Writer     | (P) | 1          |           |
| Structural Engineer      | (P) | 12         |           |
| Technician/Analyst       | (P) | 3          |           |
| Transportation Engineer  | (P) | 37         | 1         |
| Water Resources Engineer | (P) | 8          |           |
| Other Employees          | (P) | 0          |           |
| <b>Total</b>             |     | <b>399</b> | <b>12</b> |

### 3.0 FIRMS EXPERIENCE AND REVENUE

- a. Firm shall complete the Excel spreadsheet titled "Amendment I Project Experience Number of Projects and Revenue", using same document title and upload in Excel format as an "Attachment" with firm's offer in ProcureAZ. [\(NOTE: Amendment I version clarifies column instructions and additions of project experience categories\).](#)

### 4.0 FIRMS SERVICES

- a. Firm shall complete the Excel spreadsheet titled "2017 Professional Services List of Firms Services" [shall be completed and uploaded in Excel format only as an "Attachment" in ProcureAZ at time of offer submission.](#)

Amendment I ADSP017-00006796 Project Experience Number of Projects and Revenue  
 ADSP017-00006796 2017 Annual Professional Services Qualifications List  
 FIRMS NAME (INSERT NAME): Wilson & Company, Inc., Engineers & Architects

| TYPE OF PROJECT   | TOTAL NUMBER OF FIRM PROJECTS (ALL FIRM LOCATIONS) COMPLETED IN LAST THREE YEARS | Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY state, municipal, federal etc. government projects only | Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY non-government projects only | TYPE OF PROJECT   | TOTAL NUMBER OF FIRM PROJECTS (ALL FIRM LOCATIONS) COMPLETED IN LAST THREE YEARS | Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY state, municipal, federal etc. government projects only | Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY non-government projects only |
|---|--|---|--|---|--|---|--|
| Acoustics, Noise Abatement  |  |   |  | Land Surveying  | 879  | 4   | 4  |
| Activity Centers  |  |   |  | Landscape Architecture  | 1  |   |  |
| Aerial Photography, Airborne Data and Imagery Collection and Analysis           | 480  | 3   |  | LEED Accredited A/E   |  |   |  |
| Agricultural Development; Grain Storage; Farm Mechanization                     |  |   |  | LEED Independent 3rd Party Building Commissioning               |  |   |  |
| Air Pollution Control   |  |   |  | Libraries, Museums; Galleries                                   | 3  |   |  |
| Airports, Navalds; Airport Lighting; Aircraft Fueling                           |  |   |  | Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.) |  |   |  |
| Airports; Terminals and Hangars; Freight Handling                               |  |   |  | Lighting (Interior; Display; Theater, Etc.)                     |  |   |  |
| Animal Facilities   |  |   |  | Lighting (Cave; Cavern)   |  |   |  |
| Anti-Terrorism/Force Protection   |  |   |  | Mapping Location/Addressing Systems                             | 7  |   |  |
| Area Master Planning  | 200  | 6   | 2  | Materials Handling Systems; Conveyors; Sorters                  |  |   |  |
| Auditoriums and Theaters  |  |   |  | Materials Testing   |  |   |  |
| Automation; Controls; Instrumentation   |  |   |  | Measurement / Verification / Conservation Water Consumption     |  |   |  |
| Baracks; Dormitories  |  |   |  | Medical Related   |  |   |  |
| Bridge Design; Bridges  | 104  |   |  | Metallurgy  | 4  |   |  |
| Cartography   |  |   |  | Mining and Mineralogy   |  |   |  |
| Cemeteries (Planning and Relocation)  |  |   |  | Modular Systems Design; Pre-Fabricated Structures or Components |  |   |  |
| Chemical Processing and Storage   |  |   |  | Mold Investigation  |  |   |  |
| Child Care/Development Facilities   |  |   |  | Museums   |  |   |  |
| Codes; Standards; Ordinances  |  |   |  | Nuclear Facilities; Nuclear Shielding                           |  |   |  |
| Cold Storage; Refrigeration and Fast Freeze                                     |  |   |  | Office Buildings; Industrial Parks                              | 75   |   |  |
| Commercial Buildings (Low Rise); Shopping Centers                               |  |   |  | Outdoor Recreation  | 1  |   |  |
| Communications Systems; TV; Microwave   |  |   |  | Petroleum and Fuel (Storage and Distribution)                   | 68   |   |  |
| Community Facilities  | 2  |   |  | Phase I Environmental   |  |   |  |
| Computer Facilities   |  |   |  | Photogrammetry  | 4  |   |  |
| Conservation and Resource Management  |  |   |  | Pipelines (Cross-Country / Liquid and Gas)                      | 23   |   |  |
| Construction Management   | 117  |   |  | Plumbing and Piping Design                                      |  |   |  |
| Construction Materials Testing  |  |   |  | Pneumatic Structures, Air-Support Buildings                     |  |   |  |
| Construction Surveying  | 27   |   |  | Power Generation, Transmission, Distribution                    | 5  |   |  |
| Controls and Electronics Engineer   |  |   |  | Prisons and Correctional Facilities                             |  |   |  |
| Corrosion Control; Cathodic Protection Electrolysis                             |  |   |  | Product, Machine Equipment Design                               |  |   |  |
| Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting | 5  |   |  | Public Safety Facilities  |  |   |  |
| Cryogenic Facilities  |  |   |  | Radar; Sonar; Radio and Radar Telescopes                        |  |   |  |
| Dams (Concrete; Arch)   | 2  |   |  | Radio Frequency Systems and Shieldings                          |  |   |  |
| Dams (Earth; Rock); Dikes; Levees   | 65   |   |  | Railroad; Rapid Transit   | 1808   |   | 4  |
| Deaeritization (Process and Facilities)   |  |   |  | Recreation Facilities (Parks, Marinas, Etc.)                    | 20   |   |  |
| Design & Planning Structured Parking Facilities                                 |  |   |  | Refrigeration Plants/Systems                                    |  |   |  |
| Design-Build - Preparation of Requests for Proposals                            | 31   | 1   |  | Rehabilitation (Buildings; Structures; Facilities)              | 6  |   |  |
| Detention Security Systems  |  |   |  | Research Facilities   |  |   |  |
| Digital Elevation and Terrain Model Development                                 |  |   |  | Resources Recovery; Recycling                                   |  |   |  |
| Digital Orthophotography  |  |   |  | Rivers; Canals; Waterways; Flood Control                        | 18   |   |  |
| Dining Halls; Clubs; Restaurants  |  |   |  | Roof Infrared Imaging to Identify Water Leaks                   |  |   |  |
| Disability / Special Needs  |  |   |  | Roofing   | 4  |   |  |
| Dredging Studies and Design   |  |   |  | Safety Engineering; Accident Studies; OSHA Studies              |  |   |  |
| Ecological and Archeological Investigations                                     |  |   |  | Security Systems; Intruder and Smoke Detection                  |  |   |  |
| Educational Facilities; Classrooms  | 424  | 1   |  | Seismic Designs and Studies                                     |  |   |  |
| Electrical Studies and Design   | 44   |   |  | Sewage Collection, Treatment and Disposal                       | 96   |   |  |
| Electronics   |  |   |  | Soils and Geologic Studies; Foundations                         |  |   |  |
| Elevators; Escalators; People-Movers  |  |   |  | Solar Energy Utilization  |  |   |  |
| Energy / Water Auditing Savings   |  |   |  | Solid Wastes; Incineration; Landfill                            |  |   |  |
| Energy Conservation; New Energy Sources   | 7  |   |  | Special Environments; Clean Rooms, Etc.                         |  |   |  |
| Environmental Impact Studies; Assessments or Statements                         | 46   |   |  | Specifications Writing  |  |   |  |
| Fallout Shelters; Blast-Resistant Design  |  |   |  | Storm Water Handling and Facilities                             |  |   |  |
| Fire Protection   |  |   |  | Structural Design; Special Structures                           | 349  |   | 1  |
| Fisheries; Fish Ladders   |  |   |  | Surveying; Platting; Mapping; Flood Plain Studies               | 42   |   | 1  |
| Forensic Engineering  |  |   |  | Sustainable Design  |  |   |  |
| Garages; Vehicle Maintenance Facilities; Parking                                | 4  |   |  | Swimming Pools  | 6  |   |  |
| Gas Systems (Propane; Natural, Etc.)  | 2  | 1   |  | Testing and Inspection Services                                 |  |   |  |
| Geodetic Surveying; Ground and Airborne   | 10   |   |  | Topographic Surveying and Mapping                               | 152  | 1   | 1  |
| Heating; Ventilating; Air Conditioning  | 34   |   | 1  | Towers (Self-Supporting and Guyed Systems)                      |  |   |  |
| Highways; Streets; Airfield Pavings; Parking Lots                               | 113  | 5   | 1  | Toxicology  |  |   |  |
| Historical Preservation   | 3  |   |  | Traffic and Transportation Engineering                          | 1023   | 4   | 1  |
| Hospital and Medical Facilities   | 47   |   |  | Traffic Studies   |  |   |  |
| Hotels; Motels  |  |   |  | Transportation  |  |   |  |
| Housing (Residential, Multi-Family; Apartments; Condominiums)                   | 53   |   |  | Tunnels and Subways   |  |   |  |
| Hydraulics and Pneumatics   | 5  |   |  | Urban Renewal; Community Development                            |  |   |  |
| Hydrographic Surveying  | 2  |   |  | Utilities (Gas and Steam)                                       |  |   |  |
| Industrial Buildings; Manufacturing Plants                                      | 24   |   | 1  | Value Analysis; Life-Cycle Costing                              |  |   |  |
| Industrial Processes; Quality Control   | 12   |   |  | Warehouse and Depots  |  |   | 1  |
| Industrial Waste Treatment  | 12   |   | 1  | Waste Water Treatment Facility                                  |  |   |  |
| Intelligent Transportation Systems  | 2  | 1   |  | Water Resources; Hydrology; Ground Water                        | 48   |   |  |
| Infrastructure  |  |   |  | Water Supply; Treatment and Distribution                        | 376  |   |  |
| Irrigation; Drainage  | 63   |   |  | Water Well Rehabilitation; Water Well Work                      |  |   | 1  |
| Judicial and Courtroom Facilities   | 6  |   |  | Wind Tunnels; Research/Testing Facilities                       |  |   |  |
| Laboratories; Medical Research Facilities                                       | 3  |   |  | Design  |  |   |  |
| Labs - General  |  |   |  | Zoning; Land Use Studies  |  |   |  |
| Labs - Research - Dry   |  |   |  |   |  |   |  |
| Labs - Research - Wet   |  |   |  |   |  |   |  |

| Professional Services Index Number | Revenue                                |
|------------------------------------|--|
| 1.                                 | Less than \$100,000                    |
| 2.                                 | \$100,000 to less than \$250,000       |
| 3.                                 | \$250,000 to less than \$500,000       |
| 4.                                 | \$500,000 to less than \$1 Million     |
| 5.                                 | \$1 Million to less than \$2 Million   |
| 6.                                 | \$2 Million to less than \$5 Million   |
| 7.                                 | \$5 Million to less than \$10 Million  |
| 8.                                 | \$10 Million to less than \$25 Million |
| 9.                                 | \$25 Million to less than \$50 Million |
| 10.                                | \$50 Million or greater                |



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**EXPERIENCE REFERENCES:**

THE PRIME FIRM SHALL LIST A TOTAL OF THREE (3) CLIENT REFERENCES FOR ANY PROJECTS COMPLETED IN THE LAST YEAR BY THE FIRM (OR A BRANCH LOCATION). REFERENCES MAY BE CONTACTED BY ANY ELIGIBLE AGENCY.

| <b>1</b> | <b>Client Company/Address</b>  | <b>Contact</b>                        | <b>Begin Date</b> | <b>End Date</b> |
|----------|--|---------------------------------------|-------------------|-----------------|
|          | <b>City of Maricopa</b>  | <b>David Maestas</b>                  | <b>2014</b>       | <b>Ongoing</b>  |
|          | Phone Number   | Email Address                         |                   |                 |
|          | <b>520-316-6948</b>  | <b>David.maestas@maricopa-az.gov</b>  |                   |                 |
|          | List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities.<br><b>City of Maricopa Area Transportation Plan – Maricopa, Arizona - \$350,000 – Ongoing – N/A – N/A</b>                    |                                       |                   |                 |
|          | Services performed similar to those described in Solicitation<br><b>Transportation Planning and Analysis</b>   |                                       |                   |                 |
| <b>2</b> | <b>Client Company/Address</b>  | <b>Contact</b>                        | <b>Begin Date</b> | <b>End Date</b> |
|          | <b>Maricopa Association of Governments</b>   | <b>Bob Hazlett</b>                    | <b>2014</b>       | <b>Ongoing</b>  |
|          | Phone Number   | Email Address                         |                   |                 |
|          | <b>602-254-6300</b>  | <b>bhazlett@azmag.gov</b>             |                   |                 |
|          | List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities.<br><b>I-10/I-17 Spine Corridor Master Plan – Maricopa County, AZ - \$350,000 - Ongoing– N/A – N/A</b>                        |                                       |                   |                 |
|          | Services performed similar to those described in Solicitation<br><b>Transportation Planning and Studies</b>  |                                       |                   |                 |
| <b>3</b> | <b>Client Company/Address</b>  | <b>Contact</b>                        | <b>Begin Date</b> | <b>End Date</b> |
|          | <b>Maricopa County Dept. Flood Control District</b>  | <b>Joe Wagner</b>                     | <b>2015</b>       | <b>2015</b>     |
|          | Phone Number   | Email Address                         |                   |                 |
|          | <b>(602) 506-2203</b>  | <b>josephwagner@mail.maricopa.gov</b> |                   |                 |
|          | List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities.<br><b>South Phoenix/Laveen Drainage Improvement/and Aerial Mapping – Phoenix Arizona - \$241,779 - \$241,779 – N/A – N/A</b> |                                       |                   |                 |
|          | Services performed similar to those described in Solicitation<br><b>Survey and Aerial Mapping</b>  |                                       |                   |                 |



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**End of Attachment 2-A**

|   |   |   |
|---|---|---|
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|---|---|---|

Attachment 2-B  
**Organization Profile**

STATE MAY DETERMINE YOUR PROPOSAL IS NON-RESPONSIVE IF YOU DO NOT ANSWER ALL QUESTIONS FULLY.

**ORGANIZATION PROFILE**

|  |  |   |                  |  |
|--|--|---|------------------|--|
| <b>Firm Name</b>   | Wilson & Company, Inc., Engineers & Architects               |   | Year established | 2002 as A Corporation Founded in 1932. |
| Principal address (street, city, state)  | 410 N. 44 <sup>th</sup> Street, Suite 460, Phoenix, AZ 85008 |   |                  |  |
| Entity type:   | Corporation  | Structure:                                | S-Corporation    |  |
| Branch or Division:  | Branch   | Parent:                                   | x                |  |
| Years the organization has conducted business in Arizona.                            |  |   |                  | 15                                     |
| <b>Contract Representatives to Contact</b>   |  |   |                  |  |
|  | Name   | Title                                     | Telephone Number | E-Mail Address                         |
| 1  | Daniel Marum   | Southwest Transportation Planning Manager | 602-283-2702     | Dan.Marum@wilsonco.com                 |
| 2  | Nathan Gardner   | Arizona Survey Manager                    | 602-283-2711     | Nathan.Gardner@wilsonco.com            |
| 3  | x  | x   | x                | x                                      |
| <b>Firm Professional Licenses/Certifications (INCLUDE COPY OF DOCUMENT IN OFFER)</b> |  |   |                  |  |
|  | Description  | Issuer                                    | Number           | Expiration                             |
| 1  | Arizona Board of Technical Registration                      | State of Arizona                          | 11137-1          | 6/20/2017                              |
| 2  | Arizona business license                                     | State of Arizona                          | N/A              | N/A                                    |
| 3  |  |   |                  |  |

**End of Attachment 2-B**



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Attachment 3-A  
**Method Proposal**  
(Method of Approach)

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**RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST**

**End of Attachment 3-A**

|   |   |   |
|---|---|---|
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|---|---|---|

Attachment 3-B  
**Key Personnel Proposal**

Answer all questions thoroughly in the spaces provided. **Complete this form in full for each one of the key personnel who will participate in this contract.** Insert or attach a separate resume if desired, but any attached resumes are supplemental to this form and **do not substitute resumes for this form.** Offeror shall list any resume filename within the Key Personnel Form resume section and Attach as titled in ProcureAZ with offer. Resumes shall not be listed in Attachment 3-B as Supplements.

|          |   |  |   |                          |
|----------|---|--|---|--------------------------|
| <b>1</b> | <b>Name:</b>  | <a href="#">Daniel Marum</a>   | How long with company?                              | <a href="#">12 Years</a> |
|          | Current position in company:  | <a href="#">AVP, Southwest Transportation Planning Manager</a>   | How long in position?                               | <a href="#">12 Years</a> |
|          | Position for the Services:  | <a href="#">Principal in Charge</a>  | How much of time will be dedicated to the Services? | <a href="#">25%</a>      |
|          | What primary functions will be assigned?  | <a href="#">Dan will oversee staffing and project QA/QC processes throughout contract.</a>   |   |                          |
|          | Describe person's experience in performing services like those that are to be assigned: | <a href="#">Dan Marum has spent over 34 years totally dedicated to Arizona transportation planning. Dan serves clients with an extensive background in long-range transportation planning, corridor planning, access management studies, congestion management analysis, traffic impact analysis, parking/circulation evaluations, and national research projects. Dan has been involved in a number of high-profile transportation planning efforts, developing a reputation for delivering high-quality work products through effective communication skills designed to foster understanding and implementable solutions. Dan is Wilson &amp; Company's Southwest Transportation Planning Manager overseeing projects and studies in Arizona, Southern California, Colorado, New Mexico, and Texas and continues to support his team with a wealth of knowledge concerning Southwest transportation planning.</a> |   |                          |
|          | List person's job-related training and education:                                       | <a href="#">BS, BA/Urban Geography, University of Arizona, 1981</a><br><a href="#">Institute of Transportation Engineers</a><br><a href="#">Transportation Planners Council</a><br><a href="#">American Planning Association</a>   |   |                          |
|          | <b>Resume:</b>  | <a href="#">All Resumes.pdf</a>  |   |                          |



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|          |  |   |  |     |
|----------|--|---|--|-----|
| <b>2</b> | <b>Name:</b>   | Alan Ferreira, PE   | <b>How long with company?</b>                              | 4   |
|          | <b>Current position in company:</b>  | Project Manager/Engineer/Design   | <b>How long in position?</b>                               | 4   |
|          | <b>Position for the Services:</b>  | Project Manager   | <b>How much of time will be dedicated to the Services?</b> | 40% |
|          | <b>What primary functions will be assigned?</b>  | If assigned a project/task that would arise, Alan would be Project Manager and would manage all aspects of the projects/task from scheduling, budgets, and deliverables.  |  |     |
|          | <b>Describe person's experience in performing services like those that are to be assigned:</b> | <p>Alan Ferreira has been a transportation engineer since 1997, with a focus on design, safety planning, and management of various transportation infrastructure design projects. His design experience ranges from arterial streets to urban and rural highways with associated facilities including highway design, traffic interchange design, roundabout layout, maintenance of traffic, AASHTO Controlling Design Criteria and Control of Access Reports, right-of-way plans, scoping documents and pavement design. His projects range from minor and major arterials to urban and rural highways and interchanges. Alan manages multidiscipline design teams experienced in advanced planning; utility and public agency coordination; public meetings; and CADD plan production. Working with both engineers and planners, he has a unique understanding of transportation and safety planning that gives him a unique and valuable perspective as an engineer. Prior to joining Wilson &amp; Company, Alan worked for CalTrans where he developed his vocabulary as a roadway and transportation engineer before moving back to Arizona.</p> |  |     |
|          | <b>List person's job-related training and education:</b>                                       | <p>Professional Engineer Arizona #41700 (2004), California #61719 (2001)<br/>         B.S., Civil Engineering, Arizona State University, 1995<br/>         Additional graduate course studies in Transportation Engineering,<br/>         California State University, Sacramento, CA, 1995-97<br/>         Board Member of American Society of Highway Engineers (ASHE), American Council of Engineering Companies (ACEC), American Public Works Association (APWA)<br/>         Training: Leadership in Engineering Administration Program (LEAP) 2007, ACEC;<br/>         Road Safety Audits and Road Safety Audits Reviews (NHI Course 380069), FHWA and National Highway Institute;<br/>         Designing and Implementing Roundabouts, Barry Crown, ADOT Technical Workshop</p>  |  |     |
|          | <b>Resume:</b>   | All Resumes.pdf   |  |     |





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|          |   |   |   |                      |
|----------|---|---|---|----------------------|
| <b>3</b> | <b>Name:</b>  | <a href="#">Amy Moran</a>   | How long with company?                              | <a href="#">12</a>   |
|          | Current position in company:  | <a href="#">Project Manager/Senior Planner</a>  | How long in position?                               | <a href="#">12</a>   |
|          | Position for the Services:  | <a href="#">Project Manager</a>   | How much of time will be dedicated to the Services? | <a href="#">30 %</a> |
|          | What primary functions will be assigned?  | <a href="#">If assigned a project/task that would arise, Amy would be Project Manager and would manage all aspects of the projects/task from scheduling, budgets, and deliverables.</a>   |   |                      |
|          | Describe person's experience in performing services like those that are to be assigned: | <a href="#">Amy Moran has over 20 years of experience in traffic engineering and transportation planning. She has served as Project Manager, Deputy PM or project planner/engineer in a wide range of studies, including long-range transportation planning, traffic impact analyses, corridor feasibility and design studies, access management studies, parking studies, and signal warrant and progression studies. She has gained expertise in the use of a variety of traffic analysis software, including HCS, CORSIM, Synchro, and Transyt-7F, as well as several traffic forecasting software models, including TransCAD, EMM2, TModel, and TRANPLAN.</a> |   |                      |
|          | List person's job-related training and education:                                       | <a href="#">BS, Civil Engineering, Cornell University, 1993</a><br><br><a href="#">Institute of Transportation Engineers (ITE)</a>  |   |                      |
|          | <b>Resume:</b>  | <a href="#">All Resumes.pdf</a>   |   |                      |



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|          |   |   |   |     |
|----------|---|---|---|-----|
| <b>4</b> | <b>Name:</b>  | Vanessa Spartan, AICP   | How long with company?                              | 5   |
|          | Current position in company:  | Transportation Planner  | How long in position?                               | 5   |
|          | Position for the Services:  | Transportation Planner/Project Manager  | How much of time will be dedicated to the Services? | 30% |
|          | What primary functions will be assigned?  | Transportation Planning, Multimodal Planning, Project Management of those tasks.  |   |     |
|          | Describe person's experience in performing services like those that are to be assigned: | Vanessa's career has focused on program research and long-range planning with significant experience in multimodal transportation planning, community planning, urban design, environmental planning, graphic design, and public outreach and communications. Vanessa's project experience has spanned 24 states and touched all levels of government including projects for city, county, metropolitan/regional, tribal, state, and federal government agencies. Vanessa has been project manager of planning projects in Iowa, Kansas, Missouri, Colorado, Alabama, Arizona, and New Mexico. Additionally, Vanessa is a professional planner with several years of marketing and proposal experience providing an additional strength for private consulting firms. |   |     |
|          | List person's job-related training and education:                                       | BA, Urban Planning and Design<br>Minor – Environmental Science, University of Missouri-Kansas City, 2006<br>Urban Planning Coursework, Columbia University<br><br>American Planning Association (Chapter Membership: Kansas, Missouri, New Mexico, Arizona, Former KC Metro Section Member-at-Large Representative), UMKC Arts & Sciences Alumni Board, KC Center for Architecture & Design Board, UMKC Department of Architecture Urban Planning and Design Advisory Board, 2014 UMKC Department of Architecture Urban Planning and Design Alumni Honoree  |   |     |
|          | <b>Resume:</b>  | All Resumes.pdf   |   |     |



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|          |   |   |   |     |
|----------|---|---|---|-----|
| <b>5</b> | <b>Name:</b>  | Nathan Gardner, RLS   | How long with company?                              | 3   |
|          | Current position in company:  | Arizona Survey Manager  | How long in position?                               | 3   |
|          | Position for the Services:  | Survey  | How much of time will be dedicated to the Services? | 45% |
|          | What primary functions will be assigned?  | Survey  |   |     |
|          | Describe person's experience in performing services like those that are to be assigned: | <p>Mr. Gardner recently joined Wilson &amp; Company after successfully owning and operating his own professional land surveying business. He also managed survey departments at other firms prior to owning his business. Mr. Gardner's skills have been honed in boundary, ALTA, route, construction, and construction surveys; minor land divisions; and 3-D laser scanning. He is a skilled collaborator and effective communicator who enjoys fostering strong relationships for successful projects. Mr. Gardner's greatest career accomplishments are when his projects have shared ownership between the client, project team, and stakeholders.</p> |   |     |
|          | List person's job-related training and education:                                       | <p>B.A.S, Technology Management, Northern Arizona University, 2012<br/>         Graduated summa cum laude<br/>         A.A.S., Network Administration, Pima Community College, 2011<br/>         A.A.S., Network Security, Pima Community College, 2013</p> <p>Professional Surveyor Arizona #36786 (2001)</p> <p>Arizona Professional Land Surveyors Association, National Society of Professional Surveyors, International Right of Way Association</p>   |   |     |
|          | <b>Resume:</b>  | All Resumes.pdf   |   |     |



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|          |   |  |   |     |
|----------|---|--|---|-----|
| <b>6</b> | <b>Name:</b>  | Jim Townsend, AICP   | How long with company?                              | 12  |
|          | Current position in company:  | Midwest Transportation Planning Manager  | How long in position?                               | 12  |
|          | Position for the Services:  | Project Manager  | How much of time will be dedicated to the Services? | 35% |
|          | What primary functions will be assigned?  | Transportation Planning, Multimodal Planning, Project Management of those tasks.   |   |     |
|          | Describe person's experience in performing services like those that are to be assigned: | <p>Jim leads our Midwest Region Transportation Planning and Traffic Engineering practice, offering experience from both private and public sectors. Jim's broad-based, multi-modal background and exposure allows him to provide national experience to his clients. His planning and operations background have provided community direction and proven cost effective sustainable solutions. His transit and non-motorized experience has allowed him to integrate multi-modal elements into communities contemplating initiating or expanding multi-modal services. His diverse experience has also included County and State DOT service providing public sector perspectives in his private sector solutions. Above all, Jim's ability to communicate with several different audiences, from the technical engineer to the elected official to the lay person at a public meeting, provides clients with a collaborative process for consensus building with any project Jim leads or directs. Jim has formulated regional plans in cooperation with state, regional, local and MPO organizations; he has developed technical studies for plan and program implementation; as well as facilitated elected official and citizen outreach efforts for committees, studies, and plans.</p> |   |     |
|          | List person's job-related training and education:                                       | <p>BS, Urban and Regional Planning, California State Polytechnic University, 1993</p> <p>Identification and Treatment of High Hazard Locations, Northwestern University, Multimodal Freight Forecasting in Transportation Planning, NHI, Public Involvement in the Transportation Decision Making Process, NHI, Linking Planning and NEPA, NTI, Coordinating Transportation and Land Use, NTI, Systematic Development of Informed Consent, IPMP, Practical Project Development and Environmental Documentation, Highway Capacity Analysis, McTrans Center, University of Florida, Advanced ArcInfo GIS, ESRI, Access Management, Location, and Design, NTI</p> <p>American Institute of Certified Planners (AICP), Reg.#091845</p> <p>American Institute of Certified Planners; American Planning Association, AZ, OK, MO, KS Chapters<br/>         American Planning Association Transportation Planning Division Missouri Representative</p>   |   |     |
|          | <b>Resume:</b>  | All Resumes.pdf  |   |     |



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|          |   |  |   |     |
|----------|---|--|---|-----|
| <b>7</b> | <b>Name:</b>  | Steve Metro, PE and PS   | How long with company?                              | 42  |
|          | Current position in company:  | Civil Engineer   | How long in position?                               | 42  |
|          | Position for the Services:  | Civil Engineering  | How much of time will be dedicated to the Services? | 25% |
|          | What primary functions will be assigned?  | Civil Engineering/Rail/Municipal Services/Drainage/Water Resources   |   |     |
|          | Describe person's experience in performing services like those that are to be assigned: | <p>Mr. Metro is a civil engineer with experience in planning design, and construction. His experience spans more than 40 years in performing consulting engineering services for the private and public sector. He has a unique knowledge of the design requirements, cost control and construction management. He has experience with the coordination with city, county, state, and Federal agencies throughout the course of major civil projects. In addition to the public projects, Mr. Metro has managed a number of rail yard improvements with associated roadways and drainage improvements.</p>   |   |     |
|          | List person's job-related training and education:                                       | <p>M.S. Civil Engineering, University of New Mexico, 1989<br/>         B.S. Civil Engineering, Kansas State University, 1973</p> <p>Professional Engineer Arizona #19420, New Mexico #8220, Kansas #7821, California #C62284, Texas #84994, North Dakota #PE-9821<br/>         Professional Land Surveyor Kansas #742, New Mexico #10025</p> <p>Institute of Transportation Engineers, New Mexico Section Institute of Transportation Engineers (Section President – 1989), American Consulting Engineers Council (NM President – 2000), ASCE (2012 Rail Chair NM Report Card), NM Surveyors Association, and National Society of Professional Surveyors. NM Paving Conference Advisory Committee.</p> |   |     |
|          | <b>Resume:</b>  | All Resumes.pdf  |   |     |



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|          |   |  |   |                                      |
|----------|---|--|---|--------------------------------------|
| <b>8</b> | <b>Name:</b>  | <input checked="" type="checkbox"/>        | How long with company?                              | <input type="text" value="x years"/> |
|          | Current position in company:  | <input checked="" type="checkbox"/>        | How long in position?                               | <input checked="" type="checkbox"/>  |
|          | Position for the Services:  | <input checked="" type="checkbox"/>        | How much of time will be dedicated to the Services? | <input checked="" type="checkbox"/>  |
|          | What primary functions will be assigned?  | <input checked="" type="checkbox"/>        |   |                                      |
|          | Describe person's experience in performing services like those that are to be assigned: | <input checked="" type="checkbox"/>        |   |                                      |
|          | List person's job-related training and education:                                       | <input checked="" type="checkbox"/>        |   |                                      |
|          | <b>Resume:</b>  | <input type="text" value="List filename"/> |   |                                      |

|   |  |  |
|---|--|--|
|  | <p><b>Request for Qualifications</b><br/> Solicitation No.<br/> <b>ADSP017-00006796</b><br/> Description:<br/> <b>2017 Annual Professional Services List</b></p> | <p>Arizona Department of<br/> Administration<br/> <b>State Procurement Office</b><br/> 100 N 15th Ave., Suite 201<br/> Phoenix, AZ 85007</p> |
|---|--|--|

**ATTACHMENT 3-B SUPPLEMENTS:**

(For submission of additional Key Personnel qualifications beyond the number of forms provided in the Offer Documents: Offeror shall copy the Key Personnel Form in its entirety and complete in a separate Word Document for submission with the offer, and list file name below or type "None" on first line if not applicable. Offeror shall title Supplement(s) with the same title as named herein and upload with offer.).

|    | Title                             | Document Date | No. of pages | Purpose in Offer |
|----|-----------------------------------|---------------|--------------|------------------|
| 1. | Enter or delete row if not needed | x             | x            |                  |
| 2. | Enter or delete row if not needed |               |              |                  |
| 3. | Enter or delete row if not needed |               |              |                  |
| 4. | Enter or delete row if not needed |               |              |                  |
| 5. | Enter or delete row if not needed |               |              |                  |
| 6. | Enter or delete row if not needed |               |              |                  |
| 7. | Enter or delete row if not needed |               |              |                  |

**(NOTE: The Offeror may insert additional rows as required).**

**End of Attachment 3-B**



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Attachment 3-C  
**Proposed Subcontractors**

**RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST**

Check "NO" if you WILL NOT subcontract any portion of the Work and will therefore be carrying out all of the Work with your own personnel.

NO, the Offeror will not subcontract any portion of the Work.

If you WILL subcontract any portion of the Work, check "YES" below and list name of persons or companies you propose to use as subconsultants.

1. Fill in the information in the chart below for every proposed subcontractor – indicate the role and services work the subconsultant may provide in performing any of the services as outlined in the Requirements Document in the solicitation.
2. Offeror shall complete an Attachment 3-B Key Personnel Form in its entirety for each proposed subcontractor and submit with offer. The term "Subconsultant" shall be annotated in parenthesis after each subcontractor key personnel name typed in the "Name" section of the 3-B form.
3. State may demand additional information about proposed subcontractors as a precondition of award.

YES, the Offeror will use the Subcontractors listed below:

|     | Subcontractor Key Personnel Name;<br>Subcontractor Firm Name and Contact Information | List Proposed Subcontractor Role(s) and Services | Capacity % Dedicated to Perform the Proposed Role/Service For Any Project Under This Contract |
|-----|--|--|---|
| 1.  | Name   |  |   |
| 2.  | Name   |  |   |
| 3.  | Name   |  |   |
| 4.  | Name   |  |   |
| 5.  | Name   |  |   |
| 6.  | Name   |  |   |
| 7.  | Name   |  |   |
| 8.  | Name   |  |   |
| 9.  | Name   |  |   |
| 10. | Name   |  |   |





**Request for Qualifications**  
 Solicitation No.  
**ADSP017-00006796**  
 Description:  
**2017 Annual Professional Services List**

Arizona Department of  
 Administration  
**State Procurement Office**  
 100 N 15th Ave., Suite 201  
 Phoenix, AZ 85007

**ATTACHMENT 3-C SUPPLEMENTS:**

(Offeror to insert as required and list here or type "None" on first line. Offeror shall title any Supplement(s) with the same title as named herein and upload with offer.)

|     | Title                            | Document Date | No. of pages | Purpose in Offer |
|-----|----------------------------------|---------------|--------------|------------------|
| 1.  | Enter or type "None for Sub #1"  | x             | x            | x                |
| 2.  | Enter or type "None for Sub #2"  | x             | x            | x                |
| 3.  | Enter or type "None for Sub #3"  | x             | x            | x                |
| 4.  | Enter or type "None for Sub #4"  | x             | x            | x                |
| 5.  | Enter or type "None for Sub #5"  | x             | x            | x                |
| 6.  | Enter or type "None for Sub #6"  | x             | x            | x                |
| 7.  | Enter or type "None for Sub #7"  | x             | x            | x                |
| 8.  | Enter or type "None for Sub #8"  | x             | x            | x                |
| 9.  | Enter or type "None for Sub #9"  | x             | x            | x                |
| 10. | Enter or type "None for Sub #10" | x             | x            | x                |

**End of Attachment 3-C**



**Request for Qualifications**  
Solicitation No.  
**ADSP017-00006796**  
Description:  
**2017 Annual Professional Services List**

Arizona Department of  
Administration  
**State Procurement Office**  
100 N 15th Ave., Suite 201  
Phoenix, AZ 85007

Attachment 3-D  
**Performance Guarantee**

---

**RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST**

**End of Attachment 3-D**



**Request for Qualifications**  
 Solicitation No.  
**ADSP017-00006796**  
 Description:  
**2017 Annual Professional Services List**

Arizona Department of  
 Administration  
**State Procurement Office**  
 100 N 15th Ave., Suite 201  
 Phoenix, AZ 85007

Attachment 3-E  
**Israel Boycott Form**

All materials submitted as part of a response to a solicitation are subject to Arizona public records law and will be disclosed if there is an appropriate public records request at the time of or after the award of the contract. Recently legislation has been enacted to prohibit the state from contracting with companies currently engaged in a boycott of Israel. To ensure compliance with A.R.S. §35-393.01. This form must be completed and returned with the response to the solicitation and any supporting information to assist the State in making its determination of compliance.

As defined by A.R.S. §35-393.01:

1. "Boycott" means engaging in a refusal to deal, terminating business activities or performing other actions that are intended to limit commercial relations with Israel or with persons or entities doing business in Israel or in territories controlled by Israel, if those actions are taken either:
  - (a) In compliance with or adherence to calls for a boycott of Israel other than those boycotts to which 50 United States Code section 4607(c) applies.
  - (b) In a manner that discriminates on the basis of nationality, national origin or religion and that is not based on a valid business reason.
2. "Company" means a sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company or other entity or business association, and includes a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate.
3. "Direct holdings" means all publicly traded securities of a company that are held directly by the state treasurer or a retirement system in an actively managed account or fund in which the retirement system owns all shares or interests.
4. "Indirect holdings" means all securities of a company that are held in an account or fund, including a mutual fund, that is managed by one or more persons who are not employed by the state treasurer or a retirement system, if the state treasurer or retirement system owns shares or interests either:
  - (a) together with other investors that are not subject to this section.
  - (b) that are held in an index fund.
5. "Public entity" means this State, a political subdivision of this STATE or an agency, board, commission or department of this state or a political subdivision of this state.
6. "Public fund" means the state treasurer or a retirement system.
7. "Restricted companies" means companies that boycott Israel.
8. "Retirement system" means a retirement plan or system that is established by or pursuant to title 38.

**All offerors must select one of the following:**

My company **does not** participate in, and agrees not to participate in during the term of the contract a boycott of Israel in accordance with A.R.S. §35-393.01. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.

My company **does** participate in a boycott of Israel as defined by A.R.S. §35-393.01. :

By submitting this response, proposer agrees to indemnify and hold the State, its agents and employees, harmless from any claims or causes of action relating to the State's action based upon reliance on the above representations, including the payment of all costs and attorney fees incurred by the State in defending such an action.

Wilson & Company, Inc., Engineers & Architects

Company Name

410 N. 44<sup>th</sup> Street, Suite 460

Address

Phoenix

AZ

85008

City

State

Zip

*Daniel F. Marum*  
 Signature of Person Authorized to Sign

Daniel F. Marum

Printed Name

Southwest Transportation Planning Manager

Title

**End of Attachment 3-E**

PART 4 of the Solicitation Documents:  
 Offer Forms (Attachments)

Date: July 5, 2017  
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|   |  |  |
|---|--|--|
|  | <p><b>Request for Qualifications</b><br/>Solicitation No.<br/><b>ADSP017-00006796</b><br/>Description:<br/><b>2017 Annual Professional Services List</b></p> | <p>Arizona Department of<br/>Administration<br/><b>State Procurement Office</b><br/>100 N 15th Ave., Suite 201<br/>Phoenix, AZ 85007</p> |
|---|--|--|

Attachment 4  
Pricing Sheet

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RESERVED FOR AWARDED DESIGN PROFESSIONAL SERVICE ORDER CONTRACT

End of Attachment 4

|   |  |  |
|---|--|--|
|  | <p><b>Request for Qualifications</b><br/> Solicitation No.<br/> <b>ADSP017-00006796</b><br/> Description:<br/> <b>2017 Annual Professional Services List</b></p> | <p>Arizona Department of<br/> Administration<br/> <b>State Procurement Office</b><br/> 100 N 15th Ave., Suite 201<br/> Phoenix, AZ 85007</p> |
|---|--|--|

Attachment 5-A  
**Confidential Information Designation**

All materials submitted as part of a response to a solicitation are subject to Arizona public records law and will be disclosed if there is an appropriate public records request at the time of or after the award of the contract.

Recognizing there may be materials included in a solicitation response that are proprietary or a trade secret, a process is set out in A.A.C. R2-7-103 (copy attached) that will allow qualifying materials to be designated as confidential and excluded from disclosure. For purposes of this process the definition of "trade secret" will be the same as that set out in A.A.C. R2-7-101(52).

Complete this form return it with your Offer along with the appropriate supporting information to assist State in making its determination as to whether any of the materials submitted as part of your Offer should be designated confidential because the material is proprietary or a trade secret and therefore not subject to disclosure.

STATE WILL NOT CONSIDER ANY MATERIAL IN YOUR OFFER "CONFIDENTIAL" UNLESS DESIGNATED ON THIS FORM.

**Check one of the following – if neither is checked, State will assume that as equivalent to "DOES NOT":**

|                                  |   |
|----------------------------------|---|
| <input checked="" type="radio"/> | This response DOES NOT contain proprietary or trade secret information. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.   |
| <input type="checkbox"/>         | This response DOES contain trade secret information because it contains information that: <ol style="list-style-type: none"> <li>1. Is a formula, pattern, compilation, program, device, method, technique or process, AND</li> <li>2. Derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; AND</li> <li>3. Is the subject of efforts by myself or my organization that are reasonable under the circumstances to maintain its secrecy.</li> </ol> |

NOTE: Failure to attach an explanation may result in a determination that the information does not meet the statutory trade secret definition. All information that does not meet the definition of trade secret as defined by A.A.C. R2-7-101(52) will become public in accordance with A.A.C. R2-7-C317. State may make its own determination on materials in accordance with A.A.C. R2-7-103.

If State agrees with Offeror's designation of trade secret or confidentiality and the determination is challenged, the undersigned hereby agrees to cooperate and support the defense of the determination with all interested parties, including legal counsel or other necessary assistance.

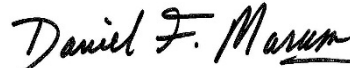
By submitting this response, Offeror agrees that the entire Offer, including confidential, trade secret and proprietary information may be shared with an evaluation committee and technical advisors during the evaluation process. Offeror agrees to indemnify and hold State, its agents and employees, harmless from any claims or causes of action relating to State's withholding of information based upon reliance on the above representations, including the payment of all costs and attorney fees incurred by State in defending such an action.

**Wilson & Company, Inc., Engineers & Architects**

Offeror Company Name

**410 N. 44<sup>th</sup> Street, Suite 460, Phoenix, AZ 85008**

Address



Signature of Authorized Person

**Daniel F. Marum**

Printed Name

PART 4 of the Solicitation Documents:  
Offer Forms (Attachments)

Date: February 7, 2017  
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|   |   |   |
|---|---|---|
|  | <b>Request for Qualifications</b><br>Solicitation No.<br><b>ADSP017-00006796</b><br>Description:<br><b>2017 Annual Professional Services List</b> | Arizona Department of<br>Administration<br><b>State Procurement Office</b><br>100 N 15th Ave., Suite 201<br>Phoenix, AZ 85007 |
|---|---|---|

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| City                                | Title                               |

**ATTACHMENT 5-A SUPPLEMENTS:**  
 (Offeror to insert as required and list here or type "None" on first line. Offeror shall title any Supplement(s) with the same title as named herein and upload with offer.)

|    | Title                             | Document Date                       | No. of pages                        | Purpose in Offer                    |
|----|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. | Enter or type "None"              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. | Enter or delete row if not needed |                                     |                                     |                                     |
| 3. | Enter or delete row if not needed |                                     |                                     |                                     |
| 4. | Enter or delete row if not needed |                                     |                                     |                                     |
| 5. | Enter or delete row if not needed |                                     |                                     |                                     |
| 6. | Enter or delete row if not needed |                                     |                                     |                                     |
| 7. | Enter or delete row if not needed |                                     |                                     |                                     |

**End of Attachment 5-A**



**Request for Qualifications**  
Solicitation No.  
**ADSP017-00006796**  
Description:  
**2017 Annual Professional Services List**

Arizona Department of  
Administration  
**State Procurement Office**  
100 N 15th Ave., Suite 201  
Phoenix, AZ 85007

**Copy of A.A.C. R2-7-103 [Confidential Information]  
as was current at time of Solicitation issuance**

PROVIDED FOR REFERENCE ONLY

- A. *If a person wants to assert that a person's offer, specification, or protest contains a trade secret or other proprietary information, a person shall include with the submission a statement supporting this assertion. A person shall clearly designate any trade secret and other proprietary information, using the term "confidential". Contract terms and conditions, pricing, and information generally available to the public are not considered confidential information under this Section.*
- B. *Until a final determination is made under subsection (C), an agency chief procurement officer shall not disclose information designated as confidential under subsection (A) except to those individuals deemed by an agency chief procurement officer to have a legitimate state interest.*
- C. *Upon receipt of a submission, an agency chief procurement officer shall make one of the following written determinations:*
- 1. The designated information is confidential and the agency chief procurement officer shall not disclose the information except to those individuals deemed by the agency chief procurement officer to have a legitimate state interest;*
  - 2. The designated information is not confidential; or*
  - 3. Additional information is required before a final confidentiality determination can be made.*
- D. *If an agency chief procurement officer determines that information submitted is not confidential, a person who made the submission shall be notified in writing. The notice shall include a time period for requesting a review of the determination by the state procurement administrator.*
- E. *An agency chief procurement officer may release information designated as confidential under subsection (A) if:*
- 1. A request for review is not received by the state procurement administrator within the time period specified in the notice; or*
  - 2. The state procurement administrator, after review, makes a written determination that the designated information is not confidential.*

---

|   |  |  |
|---|--|--|
|  | <p><b>Request for Qualifications</b><br/> Solicitation No.<br/> <b>ADSP017-00006796</b><br/> Description:<br/> <b>2017 Annual Professional Services List</b></p> | <p>Arizona Department of<br/> Administration<br/> <b>State Procurement Office</b><br/> 100 N 15th Ave., Suite 201<br/> Phoenix, AZ 85007</p> |
|---|--|--|

Attachment 5-B  
**Conformance Statements**

---

STATE WILL NOT CONSIDER ANY EXCEPTIONS UNLESS DESIGNATED ON THIS FORM.  
READ THE INSTRUCTIONS TO OFFERORS BEFORE TAKING ANY EXCEPTIONS – TAKING EXCEPTIONS CAN BE  
GROUNDS FOR STATE REJECTING YOUR OFFER IN EVALUATION.

---

**CONFORMANCE TO THE INSTRUCTIONS:**  
(PART 1 OF THE SOLICITATION)

Check one of the following – if neither is checked, State will assume that as equivalent to “YES”:

- YES – Offeror acknowledges that it has read and understands the Solicitation Summary in Section 1-A of the Solicitation Documents and the Instructions to Offerors in Section 1-B of the Solicitation Documents and the and attests that its Offer complies with both.
- NO – Offeror acknowledges that it has read and understands the Solicitation Summary in Section 1-A of the Solicitation Documents and the Instructions to Offerors in Section 1-B of the Solicitation Documents, and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 1**.

**CONFORMANCE TO THE CONTRACT TERMS AND CONDITIONS:**  
(PART 2 OF THE SOLICITATION)

Check one of the following – if neither is checked, State will assume that as equivalent to “YES”:

- YES – Offeror acknowledges that it has read and understands the [AIA Documents \(for state agencies only\), and Special Terms and Conditions and the Uniform Terms and Conditions, along with their respective Exhibits and Appendices, in Part 2 of the Solicitation Documents](#) and attests that its Offer complies with both.
- NO – Offeror acknowledges that it has read and understands the [AIA Documents \(for state agencies only\), and Special Terms and Conditions and the Uniform Terms and Conditions, along with their respective Exhibits and Appendices](#) in Part 2 of the Solicitation Documents and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 2**.

**CONFORMANCE TO THE TECHNICAL DOCUMENTS:**  
(PART 3 OF THE SOLICITATION)

Check one of the following – if neither is checked, State will assume that as equivalent to “YES”:

- YES – Offeror acknowledges that it has read and understands the [Requirements Document and the Compensation Document](#) in Part 3 of the Solicitation Documents and attests that its Offer complies with both.

PART 4 of the Solicitation Documents:  
Offer Forms (Attachments)

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|   |  |   |
|---|--|---|
|  | <p style="text-align: center;"><b>Request for Qualifications</b><br/>Solicitation No.<br/><b>ADSP017-00006796</b><br/>Description:<br/><b>2017 Annual Professional Services List</b></p> | <p style="text-align: right;">Arizona Department of<br/>Administration<br/><b>State Procurement Office</b><br/>100 N 15th Ave., Suite 201<br/>Phoenix, AZ 85007</p> |
|---|--|---|

NO – Offeror acknowledges that it has read and understands the [Requirements Document and the Compensation Document](#), in Part 3 of the Solicitation Documents and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 3**.

|   |   |   |
|---|---|---|
|  | <b>Request for Qualifications</b><br>Solicitation No.<br><b>ADSP017-00006796</b><br>Description:<br><b>2017 Annual Professional Services List</b> | Arizona Department of<br>Administration<br><b>State Procurement Office</b><br>100 N 15th Ave., Suite 201<br>Phoenix, AZ 85007 |
|---|---|---|

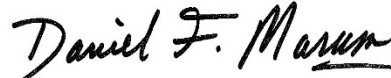
ATTACHMENT 5-B Supplement No. 1:

**Exceptions to Instructions**

| Article / Paragraph or Exhibit Reference     | Proposed Changes / Alternate Language | Rationale for Proposed Change |
|--|---------------------------------------|-------------------------------|
| <b>Section 1-A: Solicitation Summary</b>     |                                       |                               |
| <b>x</b>                                     | NONE                                  | <b>x</b>                      |
| <b>x</b>                                     | <b>x</b>                              | <b>x</b>                      |
| <b>x</b>                                     | <b>x</b>                              | <b>x</b>                      |
| <b>Section 1-B: Instructions to Offerors</b> |                                       |                               |
| <b>x</b>                                     | NONE                                  | <b>x</b>                      |
| <b>x</b>                                     | <b>x</b>                              | <b>x</b>                      |
| <b>x</b>                                     | <b>x</b>                              | <b>x</b>                      |

Wilson & Company, Inc., Engineers & Architects

Company Name



Signature of Person Authorized to Sign

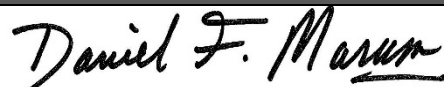
|   |   |   |
|---|---|---|
|  | <b>Request for Qualifications</b><br>Solicitation No.<br><b>ADSP017-00006796</b><br>Description:<br><b>2017 Annual Professional Services List</b> | Arizona Department of<br>Administration<br><b>State Procurement Office</b><br>100 N 15th Ave., Suite 201<br>Phoenix, AZ 85007 |
|---|---|---|

ATTACHMENT 5-B Supplement No. 2:  
**Exceptions to Contract Terms & Conditions**

| Article/<br>Paragraph<br>or Exhibit<br>Reference        | Proposed Changes / Alternate Language | Rationale for Proposed Change |
|---|---------------------------------------|-------------------------------|
| <b>Section 2-A: Special Terms &amp; Conditions</b>      |                                       |                               |
| <b>x</b>  | NONE                                  | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>Section 2-B: Uniform Terms &amp; Conditions</b>      |                                       |                               |
| <b>x</b>  | NONE                                  | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>Section 2-C: AIA Documents with AZ Modifications</b> |                                       |                               |
| <b>x</b>  | NONE                                  | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |
| <b>x</b>  | x                                     | <b>x</b>                      |

Wilson & Company, Inc., Engineers & Architects

Company Name



Signature of Person Authorized to Sign

PART 4 of the Solicitation Documents:  
 Offer Forms (Attachments)

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**4**

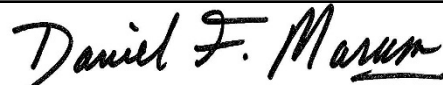
|   |   |   |
|---|---|---|
|  | <b>Request for Qualifications</b><br>Solicitation No.<br><b>ADSP017-00006796</b><br>Description:<br><b>2017 Annual Professional Services List</b> | Arizona Department of<br>Administration<br><b>State Procurement Office</b><br>100 N 15th Ave., Suite 201<br>Phoenix, AZ 85007 |
|---|---|---|

ATTACHMENT 5-B Supplement No. 3:  
**Exceptions to Technical and Commercial**

| Article / Paragraph or Exhibit Reference                 | Proposed Changes / Alternate Language | Rationale for Proposed Change       |
|--|---------------------------------------|-------------------------------------|
| <b>Section 2-A Scope of Work (Requirements Document)</b> |                                       |                                     |
| <input checked="" type="checkbox"/>                      | NONE                                  | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <b>Section 2-B: Compensation Document</b>                |                                       |                                     |
| <input checked="" type="checkbox"/>                      | NONE                                  | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> |

Wilson & Company Inc., Engineers & Architects

Company Name



Signature of Person Authorized to Sign

**End of Attachment 5-B**



**Request for Qualifications**  
Solicitation No.  
**ADSP017-00006796**  
Description:  
**2017 Annual Professional Services List**

Arizona Department of  
Administration  
**State Procurement Office**  
100 N 15th Ave., Suite 201  
Phoenix, AZ 85007

Attachment 5-C  
**Insurance Evidence**

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**RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST**

**End of Attachment 5-C**

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**Request for Qualifications**  
 Solicitation No.  
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**2017 Annual Professional Services List**

Arizona Department of  
 Administration  
**State Procurement Office**  
 100 N 15th Ave., Suite 201  
 Phoenix, AZ 85007

Attachment 5-D  
**Offer Checklist**

STATE MAY DETERMINE YOUR PROPOSAL IS NON-RESPONSIVE IF YOU DO NOT SUBMIT ALL ATTACHMENTS.

|     | DOCUMENT  | SUBMITTED   |
|-----|---|---|
| 1.  | Attachment 1: Offer and Acceptance Form                             | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 2.  | Attachment 2-A: Experience and Capacity                             | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 3.  | Attachment 2-A: References  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 4.  | Attachment 2-B: Organization Profile                                | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 5.  | Attachment 3-A: Method Proposal – <b>RESERVED FOR AWARD</b>         | <input type="checkbox"/> YES <input checked="" type="checkbox"/> <b>no</b>  |
| 6.  | Attachment 3-B: Key Personnel Proposal                              | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 7.  | Attachment 3-C: Proposed Subcontractors – <b>RESERVED FOR AWARD</b> | <input type="checkbox"/> YES <input checked="" type="checkbox"/> <b>no</b>  |
| 8.  | Attachment 3-D: Performance Guarantee – <b>RESERVED FOR AWARD</b>   | <input type="checkbox"/> YES <input checked="" type="checkbox"/> <b>no</b>  |
| 9.  | Attachment 3-E: Israel Boycott Form                                 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 10. | Attachment 4: Pricing Sheet – <b>RESERVED FOR AWARD</b>             | <input type="checkbox"/> YES, <input checked="" type="checkbox"/> <b>no</b> |
| 11. | Attachment 5-A: Confidential Information Designation                | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 12. | Attachment 5-B: Conformance Statements                              | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 13. | Attachment 5-C: Insurance Evidence – <b>RESERVED FOR AWARD</b>      | <input type="checkbox"/> YES <input checked="" type="checkbox"/> <b>no</b>  |
| 14. | Attachment 5-D: Offer Checklist                                     | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 15. | Excel File: Project Experience Number of Projects and Revenue       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |
| 16. | Excel File: 2017 Professional Services List of Firms Services       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> no         |

**End of Attachment 5-D**

**End of Part 4**

PART 4 of the Solicitation Documents:  
 Offer Forms (Attachments)

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|   |   |    |           |    |
|---|---|----|-----------|----|
| YEARS OF EXPERIENCE                           | TOTAL   | 33 | WITH FIRM | 12 |
| EDUCATION                                     | BS, BA/Urban Geography, University of Arizona, 1981   |    |           |    |
| ORGANIZATIONS, TRAINING, PUBLICATIONS, AWARDS | Institute of Transportation Engineers<br>Transportation Planners Council<br>American Planning Association |    |           |    |

Marum has spent over 34 years totally dedicated to Arizona transportation planning. Dan serves clients with an extensive background in long-range transportation planning, corridor planning, access management studies, congestion management analysis, traffic impact analysis, parking/circulation evaluations, and national research projects. Dan has been involved in a number of high-profile transportation planning efforts, developing a reputation for delivering high-quality work products through effective communication skills designed to foster understanding and implementable solutions. Dan is Wilson & Company's Southwest Transportation Planning Manager overseeing projects and studies in Arizona, Southern California, Colorado, New Mexico, and Texas and continues to support his team with a wealth of knowledge concerning Southwest transportation planning.

## Project Experience

### Area Transportation Plans/Circulation Element Analysis

- Maricopa Association of Governments (MAG) Central Phoenix Transportation Framework Study
- Navajo Nation Long Range Transportation Plan Update, AZ, NM, UT (Year 2015)
- Central Arizona Governments (CAG) Regional Transportation Plan, Pinal and Gila Counties
- Yuma Transportation Master Plan, City of Yuma, Arizona
- Yuma Foothills/Mesa Del Sol Transportation Plan, Yuma County
- Navajo Nation Long Range Transportation Plan Update, Arizona, New Mexico, Utah (Year 2009)
- Ak-Chin Long Range Transportation Plan Update, Maricopa, Arizona
- Maricopa Association of Governments (MAG) Regional Transportation Plan Update
- MCDOT On-Call Transportation Planning Consultant Services
- City of Scottsdale On-Call Transportation Consultant Services
- Maricopa Association of Governments (MAG) Hassayampa Framework Study for the Wickenburg Area
- Maricopa Association of Governments (MAG) I-8 and I-10/Hidden Valley Transportation Framework Study, Maricopa and Pinal Counties, Arizona
- Central Arizona Governments (CAG) Timing Assumptions: Future Pinal County Transportation Segments, Pinal County, Arizona
- City of Maricopa Regional Transportation Plan Update, City of Maricopa, Arizona
- Maricopa Association of Governments (MAG) I-10 Hassayampa Valley Roadway Framework Study, Maricopa County, Arizona
- Navajo County Central Area Transportation Study, Navajo County, Arizona
- Southern Navajo/Apache County Sub-Regional Transportation Plan, Navajo/Apache Counties, Arizona
- City of Glendale Transportation Plan, City of Glendale, Arizona
- City of Phoenix Downtown Transportation Study, City of Phoenix, Arizona
- City of Casa Grande Small Area Transportation Study (SATS), City of Casa Grande, Arizona
- Northwest Valley Transportation Study, Maricopa County, Arizona
- Cottonwood Area Transportation Study, Cottonwood, Arizona
- City of Peoria CIP Prioritization Review/Analysis Year 2007 Update, City of Peoria, Arizona
- City of Peoria Transportation Needs Study Transportation Planning and Public Involvement Support Services, City of Peoria, Arizona
- City of Peoria General Plan Circulation Element and Street Classification System Analysis, City of Peoria, Arizona
- Kingman Area Transportation Study, City of Kingman, Arizona
- Goodyear General Plan Circulation Element, City of Goodyear, Arizona
- San Diego Comprehensive Plan Circulation Element, City of San Diego, California
- Los Alamos Area Transportation Studies, Los Alamos, New Mexico
- North Central Area Traffic Study and Transportation Improvement Program, Gila River Indian Community, Maricopa and Pinal Counties, Arizona

### Corridor Improvement and Access Management Studies

- Bell Road Access Management Plan, City of Surprise, Arizona
- Maricopa Department of Transportation (MCDOT) Greenway Parkway Corridor Feasibility Study, Town of Buckeye, Arizona
- SR-347/UPRR Grade Separation Design Concept and Study Report (DCR) and Environmental Studies Traffic Analysis
- Germann Road Access Management and Corridor Improvement Study, Queen Creek, Arizona; Mesa, Arizona

- Complete Boulevard Study for El Cajon Boulevard, City of San Diego, California
- White & Parker Road/Maricopa-Casa Grande Highway, City of Maricopa, Arizona
- Reverse Design Concept Report and Environmental Studies Traffic Analysis: SR-189/Mariposa Road, Nogales, Arizona
- US-60/Grand Avenue Access Management Plan – SR-303L/Estrella Freeway to SR-74, Maricopa County, Arizona
- El Mirage Road, Northern Avenue to Bell Road Design Concept Report (DCR) and Environmental Assessment (EA) Traffic Analysis, City of El Mirage and City of Surprise, Arizona
- Van Buren Street Corridor Study, Avondale, Arizona
- City of Avondale Old Town Revitalization Area Network Analysis Project, Avondale, Arizona
- MCDOT Turner Parkway Corridor Feasibility Study – Interstate 10 to State Route 74
- MCDOT Patton Road/Jomax Road Corridor Improvement and Access Management Study, Maricopa County, Arizona
- MCDOT Jackrabbit Trail Access Control and Corridor Improvement Study
- MCDOT Meridian Road Access Control and Corridor Improvement Study, Maricopa County, Arizona
- SR-74 Access Management Study, I-17 to US-60, Maricopa County, Arizona
- US-70 Globe-New Mexico Multimodal Corridor Profile, Central and Eastern Arizona
- Phoenix-Flagstaff-Page Multimodal Corridor Profile, Central and Northern Arizona
- Central Phoenix/East Valley LRT Project DEIS Transportation Analysis
- Central Phoenix/East Valley LRT Project (Preliminary Engineering Phase Traffic Analysis)

### Traffic Impact Analysis

- Biltmore Club Redevelopment Project, Phoenix, Arizona
- Wood Corporate Campus Traffic Impact Study, City of Goodyear, Arizona
- Desert Ridge Commercial Core Traffic Analysis, Phoenix, Arizona
- CityNorth Master Traffic Study, Phoenix, Arizona
- Otay Ranch General Plan Amendment Traffic Analysis, Chula Vista, California
- 4-S Ranch Transportation Analysis, San Diego, California
- Estrella Mountain Ranch Transportation Planning Studies, Goodyear, Arizona
  - Estrella Area Plan Circulation Element
  - Gila River Crossing Traffic Demand/Capacity Analysis
  - Estrella Mountain Ranch Regional Transportation Facility Impact Analysis
- City of Goodyear Planned Regional Center Circulation System Analysis, Goodyear, Arizona
- I-5/Sorrento Valley Road Traffic Forecasting Analysis, San Diego, CA

### Event Related Traffic Analysis

- Phoenix Comprehensive Transportation Study and Event Traffic Control Plan Review, City of Phoenix, Arizona
- City of Peoria Sports Complex District Urban Design Study, Peoria, Arizona
- Downtown San Diego Ballpark Transportation/Parking Analysis, Center City Development Corporation (CCDC), San Diego, California
- Priest/Washington Stadium Site Transportation Planning/Engineering Analysis, Tempe, Arizona
- Emerald Center Multipurpose Facility Site Transportation Planning/Engineering Analysis, Tempe, Arizona
- Salt River Pima-Maricopa Indian Community Stadium Site - Initial Transportation Planning/Conceptual Engineering Analysis, Maricopa County, Arizona
- Los Arcos Development Project Transportation Impact and Mitigation Analysis, Scottsdale, Arizona

### Downtown Core Parking/Circulation Analysis

- Casa Grande Downtown Traffic Circulation Study, City of Casa Grande, Arizona
- Traffic Impact & Mitigation Analysis, Indian Plaza Entertainment District: Camelback Road – Buckboard Trail to Civic Center Plaza, City of Scottsdale, Arizona
- City of Avondale, Arizona: Downtown Street System Review
- City of Oxnard, California: Downtown Revitalization Circulation Study
- City of Palmdale, California: Downtown Revitalization Circulation and Parking Study
- City of Escondido, California: Downtown Parking and Circulation Analysis
- City of Carlsbad, California: Downtown Revitalization Parking and Circulation Study
- City of Chula Vista, California: Woodlawn Avenue Alignment Study
- City of La Mirada, California: Telegraph Road Traffic Study
- City of Scottsdale, Arizona: Downtown Traffic Circulation/Couplet Study
- City of Scottsdale, Arizona: Downtown/Civic Center Parking Demand Study



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|---|---|
| YEARS OF EXPERIENCE                           | TOTAL 19 WITH FIRM 4  |
| EDUCATION                                     | B.S., Civil Engineering, Arizona State University, 1995<br>Additional graduate course studies in Transportation Engineering, California State University, Sacramento, CA, 1995-97   |
| LICENSES AND REGISTRATIONS                    | Professional Engineer Arizona #41700 (2004), California #61719 (2001)<br><br>Board Member of American Society of Highway Engineers (ASHE), American Council of Engineering Companies (ACEC), American Public Works Association (APWA)   |
| ORGANIZATIONS, TRAINING, PUBLICATIONS, AWARDS | Training: Leadership in Engineering Administration Program (LEAP) 2007, ACEC;<br>Road Safety Audits and Road Safety Audits Reviews (NHI Course 380069), FHWA and National Highway Institute; <i>Designing and Implementing Roundabouts</i> , Barry Crown, ADOT Technical Workshop |

Alan Ferreira has been a transportation engineer since 1997, with a focus on design, safety planning, and management of various transportation infrastructure design projects. His design experience ranges from arterial streets to urban and rural highways with associated facilities including highway design, traffic interchange design, roundabout layout, maintenance of traffic, AASHTO Controlling Design Criteria and Control of Access Reports, right-of-way plans, scoping documents and pavement design. His projects range from minor and major arterials to urban and rural highways and interchanges. Alan manages multidiscipline design teams experienced in advanced planning; utility and public agency coordination; public meetings; and CADD plan production. Working with both engineers and planners, he has a unique understanding of transportation and safety planning that gives him a unique and valuable perspective as an engineer. Prior to joining Wilson & Company, Alan worked for CalTrans where he developed his vocabulary as a roadway and transportation engineer before moving back to Arizona.

## Project Experience

- Peart Square 5<sup>th</sup> Street Construction—City of Casa Grande, AZ | 2016-Ongoing. Project Manager.
- On-Call Engineering Services—City of Casa Grande, AZ | 2016-Ongoing. Project Manager.
  - *Florence Boulevard Roundabout Conceptual Layout*
  - *Various intersection signal warrant analysis*
  - *Trekell Road, State Route 287 Intersection ROW Study*
  - *Access Management Guidelines Update*
  - *Topographical survey of future Splash Pad at Peart Park*
- Deer Valley Trailhead (Final Design)—City of Peoria, AZ | 2016-ongoing. Project Manager.
- Deer Valley Trailhead (Scoping)—Maricopa Association of Governments, Peoria, AZ | 2015-2016. Project Manager.
- Signal Butte Road, Apache Trail to University--Maricopa County Department of Transportation, City, AZ | 2016. Project Manager.
- Honeycutt Signing and Striping—MCDOT, AZ | 2015-2016. Project Manager.
- On-Call Traffic Control—San Diego, CA | 2015-Ongoing. Project Manager.
- On-Call—City of Phoenix, AZ | 2015-Ongoing. Project Manager.
- The Point Design-Build, I-15—Utah Department of Transportation, Salt Lake City, UT | 2015. Project Engineer (Roadway QC & MOT).
- Rural Road/Vista Del Cerro Drive Traffic Signal Modification—City of Tempe/Capital Development Partners, Tempe, AZ | 2012-2013. Project Manager.
- McCartney Road/Eleven-Mile Corner Road Corridor Studies—ADOT, Coolidge, AZ | 2012-2013. Project Engineer.
- Germann Road Corridor Improvements Study—ADOT, Queen Creek, AZ | 2012-2013. Project Engineer.
- Central Phoenix Transportation Framework Study—MAG, AZ | 2012-2014. Project Engineer.
- Greenway Parkway Feasibility Study—MCDOT, AZ | 2013-2014. Project Engineer.
- Implementation of the Arizona Strategic Highway Safety Plan—ADOT | 2014-2016. Current Project Manager assisting the ADOT in leading the Implementation Phase of Arizona Strategic Highway Safety Plan (SHSP). Responsibilities include facilitating Emphasis Area teams in developing action plans, tracking progress, and coordinate needed actions through the Arizona SHSP leadership structure. Tasks also include supporting ADOT in the update of Arizona's Highway Safety Improvement Program (HSIP) Manual.

- Updating the Arizona Strategic Highway Safety Plan—ADOT | 2014. Project Manager.
- Scoping and Program Management Task Order—Navajo Division of Transportation | 2015. Project Engineer.

## Prior Project Experience

- On-Call Roadway I-8 Dateland to Aztec—ADOT, AZ | Project Manager.
- I-19, Palo Parado – Chavez, Pavement Preservation— ADOT | Project Manager.
- On-Call Predesign Engineering, I-40 Coconino National Forest Boundary to Buffalo Range—ADOT, AZ, Project Manager.
- On-Call Roadway I-10 San Simon State Line—ADOT, AZ. Project Manager.
- I-40 Design Concept Study and Environmental Assessment, Bellemont to Winona—ADOT. Project Engineer.
- I-17 DCR and EA, Black Canyon to SR 69—ADOT, project on hold indefinitely. Project Engineer.
- I-17 Corridor Study, SR 179 Traffic Interchange to I-40 System Interchange—ADOT. Project Engineer.
- SR202L Red Mountain Freeway, Power Road to University Drive—ADOT, Project Engineer.
- Red Mountain Power to University-Early Utility Design Services—ADOT, Arizona, Project Engineer.
- Charleston Road Improvements, Colombo Drive to Fighting Colt Drive—City of Sierra Vista, AZ, Project Engineer.
- Chandler Boulevard and Price 101 Bike Lane—City of Chandler, AZ, Project Engineer.
- SR 195 ASH Ext. DCR & Environmental Assessment, I-8, US 95—ADOT, Project cancelled for environmental/public issues, Transportation Engineer.
- Low Volume Roads Program, Project Assessments—MCDOT, AZ, Project Engineer.
- HES SR 89A Sedona Lighting—ADOT, Sedona, AZ, Transportation.
- HES SR 79 Intersection Reconfiguration—ADOT, Florence, AZ, Project Engineer.
- HES SR 69, Low Profile Median Barrier—ADOT, Prescott, AZ, Transportation Engineer.
- HES SR 177 Curve Realignment—ADOT, Superior, AZ, Transportation Engineer.
- SR 89 Center Street to Chino Valley—ADOT, Chino Valley, AZ, Transportation Engineer.
- I-17 Dove Valley Traffic Interchange—ADOT, Phoenix, AZ, Transportation Engineer.
- I-17 Widening Jomax Road to SR74—ADOT, Phoenix, AZ, Transportation Engineer.
- I-17/Jomax Road and Dixileta Drive Traffic Interchange—ADOT, AZ, Transportation Engineer.
- SR 51 HOV Shea Boulevard to Junction 101L—ADOT, AZ, Transportation Engineer.
- SR 24 Williams Gateway Freeway—ADOT, AZ, Transportation Engineer.
- I-90 Master Plan—Illinois State Toll Highway Authority, IL, Transportation Engineer.
- I-90 Shoulder Widening—Illinois State Toll Highway Authority, IL, Transportation Engineer.
- I-17 Climbing Lane and Auxilliary Lane, ADOT, AZ, Roadway Engineer.
- Predesign SR 74 MP13— ADOT, AZ.
- Predesign SR 74—ADOT, AZ, Project Engineer.
- On Call Assignment J—MCDOT, AZ, Transportation Engineer.
- Union Hills/99th Avenue Work Assignment A—MCDOT, AZ, Project Engineer.
- Caltrans, Design, and Engineering Services—Caltrans, CA | 1997 to 2004. Directed correspondence to departmental units, other governmental divisions and outside agencies and managed development as a project manager of bidding documents, prepared and reviewed project schedules for delivery of plans, specifications and estimate packages for:
  - Rural highway rehabilitation and widening for SR 193 in Placer County, CA
  - An intersection modification with left turn channelization on SR 29 in Lake County, CA
  - Realignment of 2 miles of existing conventional highway on SR 84 in Alameda County, CA
  - Production of freeway interchange modification design plans that included a bridge widening, construction of new ramps and existing ramp modification on SR 50 in Yolo County, CA
  - Developed bidding plans for a park and ride lot project at Mace Blvd interchange on I-80 in Yolo County, CA
- Managed development of scoping documents for:
  - Conversion of an at-grade highway intersection to a grade-separated expressway interchange in Lake County, CA
  - Installation of various ITS Traffic Operations Systems on SR 37 in Marin, Sonoma and Solano Counties, CA
  - Preliminary design recommendations for a nine-mile highway scoping document that included multiple alternatives, including interchanges for the Willits Bypass on California SR 101, Willits, CA
  - Developed drainage systems design for SR 193 rehabilitation project Placer County, CA

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| YEARS OF EXPERIENCE                              | TOTAL   | 22 | WITH FIRM | 10 |
| EDUCATION  | BS, Civil Engineering, Cornell University, 1993 |    |           |    |
| LICENSES AND REGISTRATIONS                       |   |    |           |    |
| ORGANIZATIONS, TRAINING,<br>PUBLICATIONS, AWARDS | Institute of Transportation Engineers           |    |           |    |

Ms. Moran has over 20 years of experience in traffic engineering and transportation planning. She has served as Project Manager, Deputy PM or project planner/engineer in a wide range of studies, including long-range transportation planning, traffic impact analyses, corridor feasibility and design studies, access management studies, parking studies, and signal warrant and progression studies.

## Project Experience

- Arizona-Sonora Border Master Plan
- New Mexico-Chihuahua Border Master Plan
- City of Yuma Transportation Master Plan, Yuma, Arizona
- Design Concept Report and Environmental Studies: SR-189/Mariposa Road, Nogales, Arizona
- City of Maricopa Transportation Master Plan and Area Transportation Plan, Maricopa, Arizona
- Central Arizona Governments Regional Transportation Plan, Pinal and Gila counties, Arizona
- Central Phoenix Transportation Framework Study, Phoenix, Arizona
- City of Phoenix Comprehensive Downtown Transportation Study, Phoenix, Arizona
- Design Concept Report and Environmental Studies: SR-347, Maricopa, Arizona
- White & Parker Road/MCGH Interchange Design and Major Investment Study, Maricopa, Arizona
- Germann Road Corridor Improvement Study, Queen Creek, Arizona
- Hidden Valley Transportation Framework Study
- Hassayampa Framework Study for the Wickenburg Area
- Casa Grande Downtown Traffic Circulation Study, Casa Grande, Arizona
- Arizona Parkway Intersection/Interchange Operational Analysis and Design Concepts Study
- Ak-Chin Indian Community Long-Range Transportation Plan (LRTP) and IRR Inventory Update
- MCDOT On-Call Transportation Consultant Services
- ADOT On-Call Intermodal Transportation Consultant Services
- City of Casa Grande On-Call Transportation Consultant Services
- El Mirage Design Concept Report & Environmental Assessment, City of El Mirage, Arizona
- City of Casa Grande Small Area Transportation Study (SATS), Casa Grande, Arizona
- Peoria Sports Complex District Urban Design Study, Peoria, Arizona
- Indian Plaza Traffic Impact and Mitigation Analysis, Scottsdale, Arizona

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| YEARS OF EXPERIENCE                           | TOTAL 10 WITH FIRM 4+  |
| EDUCATION                                     | BA, Urban Planning and Design, Minor – Environmental Science, University of Missouri-Kansas City, 2006<br>Urban Planning Coursework, Columbia University   |
| LICENSES AND REGISTRATIONS                    | American Institute of Certified Planners (AICP) Reg. #154239, National Transit Institute, Transit Oriented Development Certificate, November 2016  |
| ORGANIZATIONS, TRAINING, PUBLICATIONS, AWARDS | American Planning Association (Chapter Membership: KS, MO, NM, AZ), Association of Pedestrian and Bicycle Professionals, UMKC Department of Architecture Urban Planning and Design Advisory Board, 2014<br>UMKC Department of Architecture Urban Planning and Design Alumni Honoree  |
| PRESENTATIONS                                 | 2016 National APA “Complete Streets: Planning, Policy and Performance”, 2015 AZ APA “Complete Streets: Planning, Policy and Performance”, 2014 KS APA “Linking Planning & Public Health”, 2013 KS APA Conference “Designing Transit Accessible Communities”, 2012 KS/MO APA Conference “Planning Assistance for Rural Areas” |

Vanessa is committed to creating a sense of place within communities. Her career has focused on program research and long-range planning with significant experience in multimodal transportation planning, community planning, urban design, environmental planning, graphic design, and public outreach and communications. Vanessa’s project experience has spanned 24 states and touched all levels of government including projects for city, county, metropolitan/regional, tribal, state, and federal government agencies. Vanessa has been project manager of planning projects in Iowa, Kansas, Missouri, Colorado, Alabama, Arizona, and New Mexico. Additionally, Vanessa is a professional planner with several years of marketing and proposal experience providing an additional strength for private consulting firms.

## Representative Project Experience

- Sunland Park Comprehensive Plan – City of Sunland Park, NM | Ongoing. Project Manager.
- St. Bonaventure Economic Development Study – Northwest New Mexico Council of Governments, Thoreau, NM | Ongoing. Project Manager.
- Casa Grande Transit Development Framework Study – Sun Corridor Metropolitan Planning Organization, Pinal County, AZ | Ongoing. Project Planner.
- Regional Transit Framework Study Update – Maricopa Association of Governments (MAG), Maricopa County, AZ | Ongoing. Project Manager.
- Multimodal Level of Service Study – MAG, Maricopa County, AZ | 2017. Project Manager.
- Santa Teresa Border Area Transportation Needs Assessment and Strategic Plan – New Mexico Department of Transportation, NM | 2016. Project Manager.
- 4CITE Intermodal Master Plan – Northwest New Mexico Council of Governments, NM | 2016. Deputy Project Manager.
- Making Connections Planning and Implementation Plan – Adams County, CO | 2016. Project Manager.
- Economic, Land Use and Infrastructure Plan – Columbus, NM | 2016. Project Manager.
- Comprehensive Plan – City of Peculiar, MO | 2015. Project Manager.
- Area Transportation Plan – City of Maricopa, AZ | 2015. Senior Planner.
- Master Walking and Biking Plan – City of Colby, KS | 2015. Project Manager.
- Gladstone Sidewalk Master Plan – City of Gladstone, MO | Ongoing. Project Manager.
- Downtown Campus for the Arts Plan – University of Missouri-Kansas City, Kansas City, MO | 2014. Adjunct Faculty. \*\*
- McCartney Road and Eleven Mile Corner Road Planning and Environmental Linkages (PEL) Study – City of Coolidge, AZ | 2014. Senior Planner.
- Southern Boulevard Preliminary Design: Bicycle & Pedestrian Safety – City of Rio Rancho, NM | 2014. Planning Task Lead/Senior Planner.
- Intersection Enhancements: Bicycle & Pedestrian Safety – City of Albuquerque, NM | 2014. Planning Task Lead/Senior Planner.
- On-Call General Planning and Engineering Services – Navajo Nation Division of Transportation, NM, AZ, UT | Ongoing. Senior Planner.
- Pueblo of Isleta, On-Call General Planning and Engineering Services – Isleta Pueblo, NM | Ongoing. Senior Planner.
- Comprehensive Plan – City of Blue Springs, MO | Ongoing. Senior Planner.
- Bicycle & Pedestrian Master Plan – City of Hutchinson, KS | 2014. Senior Planner.

- Main Street (7<sup>th</sup> to 30<sup>th</sup>) Concept Plan– City of Hutchinson, KS | 2014. Senior Planner.
- MPO & COG Guidelines and Procedures Manual, Arizona Department of Transportation (ADOT), AZ | 2014. Senior Planner.
- Midtown/Plaza Area Plan – City of Kansas City (KCMO), MO | 2013. Senior Planner.
- K-96/K-14 T-Works – Kansas Department of Transportation (KDOT), Rice and Reno Counties, KS | Ongoing. Project Planner & Public Involvement Coordinator.
- Sterling Core Connections – KDOT, City of Sterling, KS | 2013. Project Planner
- Connecting Ottawa – KDOT, City of Ottawa, KS | 2013. Project Planner
- Kansas City, Manheim Neighborhood Plan – University of Missouri Kansas City, MO | 2013. Professor of Senior Professional Practice Course. \*\*
- Designing Transit Accessible Communities Study – MAG, Maricopa County, AZ | 2013. Senior Planner.
- Coolidge Transportation Feasibility Study – ADOT, Coolidge, AZ | 2013. Project Planner.
- Naval Facilities Engineering Command (NAVFAC) Washington, Base Realignment and Closure (BRAC), Washington Navy Yard Transportation Management Program – Washington, D.C. | 2012. Planner & Graphic Specialist.\*
- NAVFAC Washington, BRAC, Bethesda National Naval Medical Center Transportation Master Plan – Bethesda, MD | 2012. Graphic Specialist\*
- National Park Service (NPS), Chesapeake and Ohio National Historical Park, Environmental Assessment (EA) for Restoration of Canal Operations – Williamsport, MD | 2012. Graphic Specialist.\*
- Confidential Client, High Speed Rail Environmental Impact Statement (EIS) – Baltimore-Washington Region | 2012. Project Planner.\*
- MassDOT, South Coast Rail EIS – MA | 2012. Project Planner.\*
- San Mateo County Transportation Authority (SMCTA), Dumbarton Rail Corridor Project – San Francisco Bay, CA | 2012. Project Planner.\*
- On-Call Planning Services – City of North Kansas City, MO | 2011. Project Planner.\*
- PlanCheyenne Implementation, Unified Development Ordinance – City of Cheyenne, WY | 2011. Project Planner and Urban Designer.\*
- PlanCheyenne Implementation, Parks & Recreation Design Standards – City of Cheyenne, WY. Project Planner.\*
- T-Mobile USA, Audit Compliance Program – Nationwide | 2011. Project Planner.\*
- 63rd Street Capital Improvements Plan – City of Kansas City, MO | 2011. Project Planner.\*
- State Avenue Corridor Transit Improvements – City of Kansas City, KS | 2011. Project Planner.\*
- Pittsburg State University, Campus Master Plan – Pittsburg, KS | 2011. Project Planner.\*
- Highway 5/North River Area Plan – City of Des Moines, IA | 2010. Lead Planner and Urban Designer.\*
- Residential Design Guidelines – City of Webster Groves, MO | 2010. Project Planner and Urban Designer.\*
- Downtown/North Leavenworth Redevelopment Area Plan – City of Leavenworth, KS | 2010. Project Planner.\*
- Donnelly College, Campus Master Plan – Kansas City, KS | 2010. Project Planner.\*
- Parvin Road Land Use Study – City of Kansas City, MO | 2010. Project Planner.\*
- I-435 Area Land Use Study – City of Shawnee, KS | 2009. Project Planner and Urban Designer.\*
- Downtown Master Plan – City of Helena, AR | 2009. Project Planner. \*
- US-24 Corridor Management Plan – KDOT, Pottawatomie County, KS | 2009. Project Planner. \*
- Comprehensive Plan – Town of Magnolia Springs, AL | 2009. Project Manager.\*
- River Drive Corridor Concept Plan – City of Moline, IL | 2009. Project Planner.\*
- Community Master Plan – City of Cherry Hills Village, CO | 2009. Project Manager.\*
- Westward Expansion Study – City of Augusta, KS | 2009. Project Planner.\*
- UMKC & Mid-America Regional Council (MARC), ReThinking Retail – Greater Kansas City Area | 2009. Assistant Professor.\*\*
- Community Master Plan – City of Sedalia, MO | 2008. Project Manager.\*
- Downtown Master Plan – City of Kansas City, KS | 2008. Project Planner and Urban Designer.\*
- U.S. Air Force, Whiteman Air Force Base Master Plan – Knob Noster, MO | 2008. Project Planner.\*
- Comprehensive Plan – City of Waukee, IA | 2007. Project Manager. \*

*\*Projects/assignment completed prior to joining Wilson & Company.*

*\*\*Projects completed as Adjunct Faculty to UMKC.*

*\*\*\*Projects completed as a student.*

## NATHAN GARDNER, RLS

Arizona Survey Manager

|   |   |
|---|---|
| YEARS OF EXPERIENCE                           | TOTAL 23 WITH FIRM <1   |
| EDUCATION                                     | B.A.S, Technology Management, Northern Arizona University, 2012<br><i>Graduated summa cum laude</i><br>A.A.S., Network Administration, Pima Community College, 2011<br>A.A.S., Network Security, Pima Community College, 2013 |
| LICENSES AND REGISTRATIONS                    | Professional Surveyor Arizona #36786 (2001)   |
| ORGANIZATIONS, TRAINING, PUBLICATIONS, AWARDS | Arizona Professional Land Surveyors Association, National Society of Professional Surveyors, International Right of Way Association   |

Mr. Gardner recently joined Wilson & Company after successfully owning and operating his own professional land surveying business. He also managed survey departments at other firms prior to owning his business. Mr. Gardner's skills have been honed in boundary, ALTA, route, construction, and construction surveys; minor land divisions; and 3-D laser scanning. He is a skilled collaborator and effective communicator who enjoys fostering strong relationships for successful projects. Mr. Gardner's greatest career accomplishments are when his projects have shared ownership between the client, project team, and stakeholders.

### REPRESENTATIVE PROJECT EXPERIENCE

#### [City of Tempe Waterline Surveying, Tempe, Arizona | 2013](#)

Survey Manager for mapping control and supplemental surveying to be combined with mapping information. This project was to collect information on waterlines and utilities and combine that with mapping data for the creation of a base map for several old neighborhoods. This base map will be used by design firms for the replacement of old water lines and installation of additional water lines.

#### [Carefree Street Surveying, Carefree, Arizona | 2013](#)

Survey Manager for the creation of a base map showing the roads and utilities in a small neighborhood. The client was contracted to design new replacement water lines and avoid conflicts with existing utilities. This survey was essential to the determination of where new the water lines could be placed.

#### [US Army Corps of Engineers, Arizona Border Work, Southern, Arizona | 2013](#)

Survey Manager for boundary surveys and property descriptions for properties and easements.

#### [Metro Water On-Call Surveying, Tucson, Arizona | 2008-2009](#)

Survey Manager for construction staking.

#### [Metro Water On-Call Surveying, Tucson, Arizona | 2008-2009](#)

Survey Manager for as-built survey services.

#### [Rancho Sahuarita Master Planned Community Survey, Tucson, Arizona | 2002-2009](#)

Survey Manager for water and sewer, lift station, and force main design surveys, construction surveys, and as-built surveys.

#### [Mariposa Port of Entry Survey, Nogales, Arizona | 2008-2009](#)

Survey Manager for targeting and control for aerial survey. Responsible for utility and structure location for design. He also conducted a topographic survey to supplement aerial mapping.

#### [City of Tucson Light Rail Project Survey | 2008-2009](#)

Survey Manager for 3D laser scanning for the downtown area at Congress and Broadway from Grande Avenue to Toole Avenue. Conducted 3D laser scanning for Scott Avenue from Cushing Street to Congress Street. Also responsible for construction staking for Scott Avenue from Cushing Street to Congress Street, new waterlines, storm drains, sidewalks, street and parking areas, landscape features, and new home and business access.

### United States White House Survey, Washington, D.C. for GSA | 2009

Survey crew member for three 3D laser scanning projects which included:

- West Wing, the North Lawn from the West Wing to Pennsylvania Avenue
- Pennsylvania Avenue in front of the North Lawn.
- Eisenhower Executive Building east side.

### San Xavier Research Mine Survey, University of Arizona | 2009

Survey Manager for survey alignment of levels 1, 2, and 3, the main shaft, and historic shaft entrance. He conducted 3D laser scanning of levels 1, 2, and 3, and the historic shaft entrance as well additional working areas along those levels. He was responsible for providing all data to mining engineer for the creation of a 3D model of the mine.

### Sycamore Park Master Planned Community Survey, Tucson, Arizona | 2007-2008

Survey Manager for water and sewer design, construction, and as-built surveys.

### Town of Sahuarita, Arizona Survey Services | 2008

Survey Manager for design surveys for CAP pipe extensions.

### Freeport McMoRan Waterline Surveys, Phoenix, Arizona | 2008

Survey Manager responsible for design, construction, and as-built surveys.

### Pinal Air Park Survey, Marana, Arizona | 2007

Survey Manager for topographic survey for new hanger and existing building relocation.

### Pima County Waste Water Survey Services | 2007

Survey Manager for the design survey for Sweetwater to Ina Road plant force main.

### Madera Highlands Master Planned Community Survey, Sahuarita, Arizona | 2006-2007

Survey Manager for water and sewer design, construction, and as-built surveys.

### Continental Ranch Master Planned Community Survey, Tucson, Arizona | 2002-2006

Survey Manager for water and sewer design, construction, and as-built surveys.

### City of Sommerton, Arizona Survey Services | 2006

Survey Manager for as-built survey of the waste water system.

### LiDAR Mapping for Santa Cruz County Flood Control District | 2005

Survey Manager for ground control, ground GPS stations, and supplemental mapping on structures.

### Bisbee Airport Survey, Bisbee, Arizona | 2005

Survey Manager for topographic survey of runway for design purposes.

### Davis Monthan Air Force Base On-Call Survey Services, Tucson, Arizona | 2004

Survey Manager for as-built surveys of existing taxi ways. Responsible for construction layout for new helicopter pads and new taxi ways including striping, lighting and drainage.

### Rincon Trails Master Planned Community Survey, Vail, Arizona | 2002

Survey Manager for water and sewer, lift station, and force main design, construction, as-built surveys.

**JIM K. TOWNSEND, AICP**  
Midwest Region Transportation Planning Manager  
Senior Transportation Project Manager

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| YEARS OF EXPERIENCE                           | TOTAL 23 WITH FIRM 11  |
| EDUCATION                                     | BS, Urban and Regional Planning, California State Polytechnic University, 1993<br><b>Continuing Education:</b><br>Identification and Treatment of High Hazard Locations, Northwestern University, Multimodal Freight Forecasting in Transportation Planning, NHI, Public Involvement in the Transportation Decision Making Process, NHI, Linking Planning and NEPA, NTI, Coordinating Transportation and Land Use, NTI, Systematic Development of Informed Consent, IPMP, Practical Project Development and Environmental Documentation, Highway Capacity Analysis, McTrans Center, University of Florida, Advanced ArcInfo GIS, ESRI, Access Management, Location, and Design, NTI  |
| LICENSES AND REGISTRATIONS                    | American Institute of Certified Planners (AICP), Reg.#091845<br>American Institute of Certified Planners; American Planning Association, AZ, OK, MO, KS Chapters<br>American Planning Association Transportation Planning Division Missouri Representative   |
| ORGANIZATIONS, TRAINING, PUBLICATIONS, AWARDS | <b>Presentation:</b><br>"MPO & COG Guidelines and Procedures Manual" – 2013 Rural Transportation Summit, Prescott, Arizona, 2014 Roads & Streets Conference, Tucson, Arizona, 2014 WASHTO Conference, Albuquerque, New Mexico; "A Design-Build Approach for Expediting Procurement, Design and Construction of Transportation Maintenance Programs" – 2012 WASHTO Conference, Colorado Springs, Colorado, 2012 Transportation Engineers Association of Missouri (TEAM) Conference, Branson, Missouri, 2013 Utah APWA Annual Conference, 2013 Arizona APWA Annual Conference; "City of Coolidge Comprehensive Transportation Feasibility Study" – 2012 Arizona Department of Transportation (ADOT) Roads and Streets Conference, 2012 Missouri/Kansas Joint State APA Conference; "Access Management/Balancing Land Use & Transportation" – 2006 Missouri State APA Conference, Springfield, Missouri Jim Townsend, AICP, "Innovative Design-Build Road Maintenance Strategy: A Proven Direction for Kansas City," APWA Reporter June 2012.<br><b>Publications:</b><br>Jim Townsend, AICP, "Innovative Design-Build Road Maintenance Strategy: A Proven Direction for Kansas City," Missouri Municipal League's The Review July 2012. |

Jim leads our Midwest Region Transportation Planning and Traffic Engineering practice, offering experience from both private and public sectors. Jim's broad-based, multi-modal background and exposure allows him to provide national experience to his clients. His planning and operations background have provided community direction and proven cost effective sustainable solutions. His transit and non-motorized experience has allowed him to integrate multi-modal elements into communities contemplating initiating or expanding multi-modal services. His diverse experience has also included County and State DOT service providing public sector perspectives in his private sector solutions. Above all, Jim's ability to communicate with several different audiences, from the technical engineer to the elected official to the lay person at a public meeting, provides clients with a collaborative process for consensus building with any project Jim leads or directs. Jim has formulated regional plans in cooperation with state, regional, local and MPO organizations; he has developed technical studies for plan and program implementation; as well as facilitated elected official and citizen outreach efforts for committees, studies, and plans.

## Relevant Projects

### Design Build

- Design-Build Alternative Delivery Program Development for Roadway Construction Projects – Kansas City, MO, Program Manager.
- Design-Build Program Design-Review Services – Kansas City, MO, Principal.

### Statewide Planning

- Major Projects Prioritization – MO, Planning Task Manager.
- Arizona Department of Transportation MPO and COG Procedures and Guidelines Manual – AZ. Project Manager.
- Arizona Strategic Highway Safety Plan– AZ. Principal Planner.

### Regional Planning

- Coolidge, Arizona Comprehensive Transportation Feasibility Study – AZ. Project Manager and Transportation Planner.
- Southern Navajo County Transportation Plan – Navajo County, AZ. Principal Planner.
- Central Navajo County Transportation Plan – Navajo County, AZ. Project Manager.
- Central Phoenix Transportation Framework Study – Phoenix, AZ. Quality Control/Quality Assurance Task Manager and the Existing Conditions Assessment Task Manager.
- Snowflake-Taylor Multijurisdictional Transportation Plan – AZ. Project Manager and Principle Planner.
- Long Range Transportation Plan Update (2009, 2014), Navajo Nation – Arizona, New Mexico, Utah, Project Manager.



- Central Arizona Association of Governments Long Range Transportation Plan – AZ. Project Manager.
- High Plains Highway Corridor Development Plan – CO, Project Manager
- Jefferson County Countywide Transportation Plan Update – Jefferson County, CO, Project Manager
- Jefferson County CDOT County Hearing Process – Jefferson County, CO, Project Manager

#### Community Planning

- Multimodal Integration Plan – Flint Hills MPO. Project Manager.
- North Central Regional Transit District ADA Transition Plan – New Mexico. Project Manager.
- North Central Regional Transit District Taos ADA Transition Plan – Taos, New Mexico. Project Manager.
- Santa Teresa Border Area Master Plan – Santa Teresa, NM. Transit Task Manager.
- Gladstone Bicycle and Pedestrian Connections Study – Gladstone, MO. Project Manager.
- Gladstone Pedestrian Master Plan – Gladstone, MO. Principal / QA/QC.
- Linking Historic Old Town Lenexa – City of Lenexa, KS / MARC. Wilson PM / Transportation Planning Lead
- Linking Historic Shawnee – City of Shawnee, KS / MARC. Wilson PM / Transportation Planning Lead
- Area Transportation Plan – City of Maricopa, AZ. Complete Streets Policy Task Manager.
- City of San Diego, Complete Boulevard Concept Design – San Diego, CA. Project Manager/Principal.
- Navajo Nation, On-Call – NM, AZ, UT. Transportation Planning Manager.
- Navajo Nation 2016 Long Range Transportation Plan – NM, AZ, UT. Project Manager.
- Navajo Nation 2009 Long Range Transportation Plan – NM, AZ, UT. Project Manager.
- Navajo Nation Tribal Transportation Improvement Program Redefinition – NM, AZ, UT. Project Manager.
- Pueblo of Isleta, On-Call – Isleta Pueblo, NM. Transportation Planning Manager.
- Pueblo of Isleta Transit Feasibility Study, NM. Project Manager.
- City of Hutchinson, Bicycle & Pedestrian Master Plan – Hutchinson, KS. Project Manager/Principal.
- City of Hutchinson, Main Street (7<sup>th</sup> to 30<sup>th</sup>) Concept Plan – Hutchinson, KS. Project Manager/Principal.
- 63rd Street Assessment and Capital Improvement Program – Kansas City, MO, Project Manager.
- Comprehensive Plan – Blue Springs, MO, Project Manager.
- Bicycle and Pedestrian Plan – Ottawa, KS, Project Manager.
- MAG Designing Transit Accessible Communities – AZ. Project Manager.
- Comprehensive Transportation Feasibility Plan – Coolidge, AZ. Project Manager and Transportation Planner.
- Multijurisdictional Transportation Plan – Snowflake and Taylor, AZ. Project Manager and Transportation Planner.
- General Plan – Duncan, OK. Project Manager and Transportation Planner.

#### Safety Analysis

- Navajo Nation Strategic Transportation Safety Plan – AZ, NM, UT. Project Manager.
- Central Arizona Governments (CAG) Strategic Transportation Safety Plan, Arizona. Wilson Project Manager / Analysis Lead.
- Arizona Strategic Highway Safety Plan – Arizona. Analysis Lead.
- Mary Street Pedestrian Crossing – Lansing, KS. Project Manager.

#### PEL/NEPA Studies

- Broadway Bridge PEL – City of Kansas City, MO. PEL Manager.
- McCartney Road Planning & Environmental Linkages Studies– Coolidge, AZ. Project Manager.
- Eleven Mile Corner Road Planning & Environmental Linkages Studies– Coolidge, AZ. Project Manager.

#### Miscellaneous Studies/Plans

- Waterfront Red Car Line Streetcar Expansion Feasibility Study– Port of Los Angeles, CA. Project Manager and Principal Planner.
- I-435/Front Street Transportation Demand Management– MO. Principal Transportation Planner and Wilson & Company Project Manager.
- Jefferson County Traffic Impact Fee Program– Jefferson County, CO. Project Manager.
- South Jefferson County Road Improvement District– Jefferson County, CO. Task Manager.
- US-285/Simms Interchange– Jefferson County, CO. Task Manager.
- Clear Creek Master Plan– Jefferson County, CO. Technical Advisory Team Member, Transportation.
- Denver Pepsi Center Air Quality Analysis– Denver, CO. Task Manager.
- Central Area General Improvement District Parking/Utilization Study– Boulder, CO. Task Manager.
- City of Fort Collins Downtown Parking/Utilization Study– Fort Collins, CO. Task Manager.
- University of CO Health Sciences Center Parking Analysis– Denver, CO. Data Analyst.
- White House Parking/Utilization Study– Washington DC. Task Manager.

*\*Projects/assignment completed prior to joining Wilson & Company.*

# STEVEN J. METRO, PE, PS

Civil Engineer

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| YEARS OF EXPERIENCE                           | TOTAL 42 WITH FIRM 42  |
| EDUCATION                                     | M.S. Civil Engineering, University of New Mexico, 1989<br>B.S. Civil Engineering, Kansas State University, 1973  |
| LICENSES AND REGISTRATIONS                    | <b>Professional Engineer</b> Arizona #19420, New Mexico #8220, California #C62284<br><b>Professional Land Surveyor</b> New Mexico #10025   |
| ORGANIZATIONS, TRAINING, PUBLICATIONS, AWARDS | Institute of Transportation Engineers, New Mexico Section Institute of Transportation Engineers (Past Section President), National Society of Professional Engineers (NSPE), New Mexico Section of NSPE, American Consulting Engineers Council (Past NM President and Director), American Public Works Association, New Mexico Professional Surveyors Association, ACEC NM Rail Report Card Chairman |

Mr. Metro is one of Wilson & Company's most senior civil engineers for civil planning, design, and construction. His experience spans more than 40 years in performing consulting engineering services for the private and the public sector. He has a unique knowledge of the drainage in California and the Southwest. He was the Project Engineer for the grading / drainage / paving of the BNSF Triple Track and Grade Separations between Pico Rivera and Santa Fe Springs. He also assisted with the drainage planning and design for two grade separations in Riverside, CA. Mr. Metro is currently working with the UP on the Bakersfield, CA Facility that includes public streets and drainage facilities. He has experience working with the BNSF and UP Railroads in California, which will assist with the California drainage requirements for this project.

## REPRESENTATIVE PROJECT EXPERIENCE

### California Projects

BNSF Flood Evaluations – After a major storm that caused flood damage, Mr. Metro provided field reviews, evaluations of the flooding / slides and recommended remediation. Locations in CA included the Cajon Pass, the Martinez Tunnel, Blythe, and Victorville.

Santa Fe Springs, CA Valley View Grade Separation – Mr. Metro was the lead civil engineer for the planning, design and construction oversight for the Valley View Road Underpass with the BNSF Railroad. Project included a master drainage plan to drain the roadway underpass with either a pump station or a gravity drain. The project extended the LA County storm drain to eliminate pump station operations and maintenance costs. Key tasks included major utility relocations, drainage, and rail / roadway / bridge design.

Pittsburg, CA Solari Grade Separation - Mr. Metro was the lead civil engineer for the planning, design and construction oversight for the Solari Road Underpass with the BNSF Railroad. Project included a master drainage plan to drain the roadway underpass with a stormwater pump station and an extended gravity drain to an outlet.

Riverside, CA Grade Separations – Mr. Metro assisted the Project Engineer with the development of drainage plans to address the grade separation design development. Design included drainage pump stations with a gravity collection system.

UP Roseville Yard Drainage Improvements – Wilson provided the drainage improvements and track revisions / expansions for this old rail yard in Northern CA. Mr. Metro provided the drainage plans that included under drains, lift stations, and storm drain outlets. Key tasks included the contaminated soil removal / containment and coordination with an adjacent environmental clean-up area.

BNSF Triple Track from Pico Rivera through Santa Fe Springs – Mr. Metro was the lead civil engineer for the design of 7 miles of third mainline track along the Los Angeles to Fullerton BNSF route. Project included the drainage plans for the corridor and six new grade separations with extensive coordination with city, county, and federal agencies. Project include a rail river crossing over the San Gabriel River.

Mohave Desert Solar Panel Drainage Evaluation for BNSF – The BNSF hired Wilson to evaluate the drainage impacts of a 600-acre solar facility on BNSF Transcon Railroad. Mr. Metro analyzed and provided recommendations to the BNSF along with presentation to the PUC.

UP and BNSF Alameda Corridor Oversight – Mr. Metro was the project manager for a joint railroad oversight project for both the UP and BNSF Railroads. This \$1.2 billion rail corridor project was a design- build project by ACTA. Wilson provided railroad reviews / approvals of design plans / specs / shop drawings. The Wilson inspectors provided oversight of construction for the railroad areas of concern.

Southern California International Gateway (SCIG) Conceptual Drainage Plan / Oversight – Mr. Metro worked with the BNSF in providing due diligence to the SCIG site for the conceptual master drainage for the site.

BNSF Hobart Yard Intermodal Expansion – The Hobart Yard at the north end of the Alameda Corridor is the largest intermodal facility in the USA. Mr. Metro was the lead civil engineer on over 15 projects in the Hobart Yard including master drainage plans and improvements, permitting, erosion control plans, grading, stabilized subbase material, concrete and asphalt paving, street improvements, and strip track extensions.

NCTD On-Call Engineering Services, Oceanside to San Diego – Mr. Metro served as the project engineer for the civil design for the North County Transit District. Tasks included public project support for 130 grade crossings and grade separations and support on NTCD capital projects.

## Other Relevant Experience

### New Mexico DOT –

- Alameda Corridor and Rio Grande Crossing – Mr. Metro was the project engineer for the planning, design and construction oversight of a 2 mile arterial in Albuquerque's North Valley. Project included a bridge over the Rio Grande, a stormwater pump station, and a major storm drain system. Groundwater control and Corps of Engineers permitting were key issues with this project.
- I-10 Corridor Improvements for TX line to Vado, NM – Interstate widening with new interchanges for a 6- mile roadway corridor including drainage planning and design.
- I-40 Corridor Improvements in Albuquerque, NM from the Big I Interchange to 98<sup>th</sup> Street – Planning and coordination of the master plan improvements for the I-40 corridor including drainage, a river crossing, and six interchanges.

Albuquerque Metropolitan Arroyo Flood Control District – Three regional detention dams that included analysis, planning, design and construction management – North Domingo Baca Dam, Swinburne Dam (Calabacillas Arroyo), and the South Domingo Baca Dam. Mr. Metro was also the project engineer for the Southeast Area Drainage Master Plan.

### Arizona Projects –

- Glendale, AZ BNSF Intermodal Facility Improvements – Project manager for the expansion of the existing facility. Tasks included grading / drainage, site drainage retention with ponds and drywells, lighting, permitting, paving, and track design / operations.
- El Mirage Auto Facility – Civil engineer for planning, design for a major auto facility for the BNSF.
- Surprise Intermodal Facility – Project manager for the conceptual design of a classification yard with intermodal / transload facilities including mechanical facilities.