

**REQUEST FOR QUALIFICATIONS
ON-CALL CONSULTING SERVICES
FOR
2015 BEHAVIOR BASED FREIGHT MODEL DEVELOPMENT ON-CALL**



June 25, 2014

TABLE OF CONTENTS

PUBLIC NOTICE.....	i
SCOPE OF SERVICES.....	1
PARTICIPATION BY DISADVANTAGED BUSINESS ENTERPRISES – COMMITMENT, COMPLIANCE AND REPORTING	7
QUALIFICATIONS (SOQ) REQUIREMENTS AND CONTENT.....	11
STATEMENT OF QUALIFICATIONS (SOQ) DELIVERY AND OPENING.....	14
PHASE 1 - STATEMENT OF QUALIFICATIONS EVALUATION AND SELECTION PROCESS	15
PHASE 2 - QUALIFICATIONS MATRIX AND CONTRACT	17
PHASE 3 - PROJECT INITIATION	18
ADMINISTRATIVE REQUIREMENTS	21
APPENDIX A - ARIZONA ADMINISTRATIVE CODE R4-30-301	23
APPENDIX B - PROPOSER'S INFORMATION FORM.....	26
APPENDIX C - DEBARMENT/SUSPENSION CERTIFICATION	27
APPENDIX D - TITLE VI AGREEMENT/CONTRACT REQUIREMENTS.....	29

PUBLIC NOTICE
REQUEST FOR QUALIFICATIONS
ON-CALL CONSULTANT SERVICES
FOR

2015 BEHAVIOR BASED FREIGHT MODEL DEVELOPMENT ON-CALL

Maricopa Association of Governments (MAG) is seeking a Statement of Qualifications (SOQ) from qualified consultants capable of providing professional services in the area of **2015 Behavior Based Freight Model Development to** form an On-Call list of consultants to provide services to MAG.

Detailed SOQ requirements may be obtained by contacting the MAG Office at the address indicated below or may be downloaded from <http://www.azmag.gov>, then "RFPs and RFQs."

SOQs will be accepted until 2:00 PM MST (Mountain Standard Time) on Friday, August 1, 2014 at MAG, 302 North First Avenue, Suite 200, Phoenix, AZ 85003. Hand carried deliveries must go to Suite 300.

SCOPE OF SERVICES

Introduction

The purpose of this Request for Qualifications (RFQ) is to solicit Statement of Qualifications (SOQ) from consultants to participate in forming an On-Call list to provide Maricopa Association of Governments (MAG) with specialized services in the area of Behavior Based Freight Model Development. The funding for this project is provided by the Federal Highway Administration (FHWA) Strategic Highway Research Program Implementation Assistance Program Project C20 (SHRP2 C20 IAP). The duration of the On-Call list will be thirty six (36) months from the date contract execution with selected consultants. The budgeted amount available for the project under this RFQ is \$350,000. The total amount available under each Task Order issued to qualified approved consultants under this RFQ will vary depending on the desired services.

Background

MAG is the designated Metropolitan Planning Organization (MPO) for transportation planning for the metropolitan Phoenix area. MAG is also the designated Air Quality Planning Agency for the region. The MAG membership consists of the 27 incorporated cities and towns within Maricopa County and portions of Pinal County and their contiguous urbanized areas, the Gila River Indian Community, the Salt River Pima-Maricopa Indian Community, Fort McDowell Yavapai Nation, Maricopa County, the Arizona Department of Transportation (ADOT), and the Citizens Transportation Oversight Committee (CTOC). ADOT and CTOC serve as ex-officio members for transportation-related issues.

As the designated MPO, MAG is responsible for the development of transportation plans and programs. As the lead air quality planning agency, MAG is responsible for assembling air quality plans. MAG also is involved in land use, water, human services, and other regional planning programs. These programs rely heavily on official socioeconomic projections approved by the MAG Regional Council.

Understanding freight flows and forecasting them are critical to determining the need for future transportation capacity on the regional highways and/or other modal infrastructure. MAG staff has identified a need for the future development of the regional freight forecasting models. On February 13, 2014, MAG, the Arizona Department of Transportation (ADOT) and the Pima Association of Governments (PAG) submitted a joint application for implementation and technical assistance funds in Round 3 of the FHWA SHRP2 C20 IAP. MAG was the lead agency in the Freight Demand Modeling portion of the proposal submitted to FHWA. On March 28, 2014, FHWA and AASHTO announced that MAG was one of the organizations selected in Round 3 of SHRP2 implementation assistance for freight demand modeling. Up to \$350,000 for each applicant is available to be applied to the implementation of Behavior-Based Freight Modeling. The main purpose of the project is to develop a new generation regional freight model based on the principles identified in the SHRP2 C20 products and consistent with MAG freight flows forecasting needs.

Expanding metropolitan regions have created a new scale of geography known as the mega-regions. Sharing environmental systems and topography, infrastructure, economic linkages, and culture and history, these regions cover thousands of square miles and are located in every part of the United States.

Arizona's Sun Corridor mega-region begins in Santa Cruz County at the southern border City of Nogales. The Sun Corridor continues north along Interstate 19 to Tucson, and then west along Interstate 10 to the Phoenix-Mesa metropolitan area. Prescott is at the north end of the Sun Corridor. Covering portions of five counties that include the MAG and PAG regions, the Sun Corridor is home to eight out of ten Arizonans. The Sun Corridor is a major gateway for fresh produce and manufactured goods from busy freight ports on the U.S.-Mexico border.

Driven by activity in the Sun Corridor, Arizona is expected to experience growth more than two times the national rate of growth between 2015 and 2050. Census 2010 showed that the region ranks tenth among the largest U.S. metropolitan markets by population. In addition to anticipating regional growth in freight traffic, the Sun Corridor has to be evaluated as strategic bridge between major markets within the global supply chain. Importance of freight modeling and regional truck movements forecasts have long been recognized by ADOT and MAG. Both agencies are developing and maintaining state-of-the-practice truck models. MAG began researching and maintaining truck models more than two decades ago. Given the expected growth in freight and its importance to the regional economy, MAG needs improved capabilities to analyze freight demand and in this context, behavior-based freight modeling is pursued.

Freight movement and truck movement forecasting in particular are critical for the main DOT and MPO business processes such as air quality conformity analysis, development of regional and state transportation plans and planning work on regional transportation projects. The importance of freight has grown substantially during the past few years as a result of heightened attention to regional and state-wide economic issues. The recent economic recession severely impacted Arizona and MAG region in particular. Freight is being seen as one of the key transportation elements that will contribute to economic recovery.

There are specific organizational goals in the MAG Fiscal Year 2015 Unified Planning Work Program (UPWP) and ADOT State Planning and Research Work Program that further elaborate on the interests that drive behavior-based freight modeling. These goals include development of the regional transportation plan, development of freight transportation plans and fostering transportation-related regional economic development.

Extensive experience in developing and applying regional truck models led to a realization of the importance of behavior-based facets of freight decision-making. ADOT and MAG realized that the decisions of shippers and carriers, such as tour patterns for example, significantly affect regional transportation forecasting. One of the latest developments at MAG included a truck tour-based model that resulted in a noticeable improvement in forecast validations.

MAG, PAG and ADOT envision state-wide and regional freight models that are fully operational and integrated within regional and state-wide travel forecasting models. The models will have to improve accuracy of the truck movements in the regional and state-wide models which should be demonstrated by validation results.

As part of the Project, the selected CONSULTANT(s) will be requested to develop data, applications and procedures in support of the development of behavioral regional freight model for the MAG and PAG regions under the SHRP2 C20 IAP. In some cases, the selected CONSULTANT(s) may be updating or validating existing datasets and procedures. In other cases, MAG may determine a need for developing new procedures or adapting procedures previously implemented elsewhere. All activities will be thoroughly documented. All deliverables and related information, including data and software, shall become the property of MAG.

In order to expedite the delivery of consultant services, MAG will preselect an On-Call list of qualified consultants to participate in the 2015 Behavior Based Freight Model Development On-Call under the SHRP2 C20 IAP. The intent of the On-Call Consultant program is to enable MAG staff to augment existing resources by forming a pool of qualified consultant(s) to provide specialized services that are required for executing tasks and projects in the identified areas. All third party software and programming languages used for the various tasks shall be agreed upon in advance.

Goals and Objectives

The overall goal of this Project is to provide an operational behavior based freight model that, at a minimum, serves the objectives of the MAG freight travel forecasting and SHRP2 C20 IAP. The Project objectives are as follows:

- Improve and expand the knowledge base.
- Develop modeling methods to reflect actual supply chain management practices.
- Develop modeling methods based on sound economic principles.
- Maximize use of freight tools by public sector for planning and programming.
- Improve availability and visibility of data between public and private sectors.

In order to achieve the above objectives, the following SHRP2 research initiatives will be addressed in this work:

- Establish techniques and standard practices to validate freight forecasts.
- Establish modeling approaches for “behavior-based” freight movement.
- Establish analytical approaches that describe how elements of the freight transportation system operate, perform, and impact the larger overall transportation system.
- Determine how economic, demographic, and other factors/conditions drive freight patterns and characteristics. Document economic and demographic changes related to freight choices.
- Advance research to effectively integrate logistics practices (private sector) with transportation policy, planning, and programming (public sector).

It should be noted that different research initiatives listed above may be addressed to different extent. For example, development of behavioral sub-models might be constraint by datasets that are available for the model development purposes. Emphasis of this effort will be on behavior based model for a large metropolitan area. Actual freight forecasting model validation efforts might be restricted to the data available for MAG region, even though other theoretical possibilities for model validation can be investigated. Validation practices might change as new data sets and new types of data become available. Integration of private sector practices with public sector processes is a very broad area. The project may only address a portion of it applicable for the freight modeling in a regional transportation planning environment.

The proposed model development is envisioned to be based on a few main methodological principles:

1. Development of **an agent-based model that implements a micro-simulation approach** to the freight system modeling in MAG region, including synthesis of establishments, disaggregation of relevant demo-economic data in the region, formation of supply-chain and establishment interaction models and tour-based travel models.
2. Development of a **multi-modal freight model** for major commodities relevant for the MAG-PAG mega-region based on commodity-based analysis of freight flows. High concentration of commodities and relatively limited number of large trip generators in the mega-region contribute to feasibility of this approach in order to capture main freight travel patterns. By providing an in-depth look at each segment of the industry it will be possible to better understand the drivers of each industry and model them specifically.

3. **Behavioral approach to the model development, including modeling of the economic behaviors of establishments, shippers and carriers in generation of travel and tour formations.** Examples of a freight agent's behavior can include the reaction of supply chains to variations in fuel price, global sourcing and manufacturing decisions and technology changes. The model can assist in coordinated policy development and can be an effective tool for improving freight operations.
4. **Consideration of the MAG activity-based passenger modeling framework** in order to facilitate future integration of the models. Model structure at this stage is envisioned including such major components as establishment synthesis, establishment interaction model, mode choice model and tour formation model.
5. **Industry Specific** – The model will be based in explanatory variables specific to each industry, which allows for industry related people to have a better understanding of the model and provide directly applicable data and feedback.

What is the Purpose of the On-Call Consultant List?

In order to expedite the delivery of consultant services, MAG will preselect an On-Call list of qualified consultants to participate in the 2015 Behavior Based Freight Model Development services program. The intent of this program is to enable MAG staff to augment existing resources by forming a pool of qualified consultants to provide specialized services that are required for executing tasks and projects in identified areas ("Task Orders"). It is anticipated that the selected consultants will utilize state-of-the-art engineering and planning tools in executing the Task Orders. All technologies, software and programming languages used for the various tasks shall be agreed upon in advance.

REQUIRED CONSULTING SERVICES AND ANTICIPATED PROJECTS

A. Area of Expertise: Freight Modeling

The CONSULTANT will have demonstrated experience in prior development of a behavior based freight model at a regional level. The CONSULTANT will have experience in developing a range of freight forecasting methods and tools that were applied to different geographic levels (state, regional and MPO levels especially).

The CONSULTANT will have experience in developing a Firm Synthesizer as a key component of the project using micro-simulation. For example, Firm micro-simulation may include the basic components of Firm Birth, Dissolution, Growth and Migration.

The CONSULTANT will have demonstrated experience in developing Production-Consumption Models. Such models describe economic trade relationships between Producers and Consumers using diverse economic data such as industrial output, employment forecasts, commodity flow data, etc.

The CONSULTANT will have demonstrated experience in developing Logistics Chain models. Such models describe logistics decisions linking Producers and Consumers, including the distribution channels used, activities at intermediate handling points, locations of intermediate handling relative to Producers and Consumers, size and frequency of shipments, etc.

The CONSULTANT will have demonstrated experience in developing tour models.

B. Area of Expertise: Data Collection, Analysis and Management

The CONSULTANT will have demonstrated experience in establishing, collecting and standardizing freight datasets that support transportation planning. The CONSULTANT will have demonstrated experience in developing freight data resources for application at sub-regional levels.

The CONSULTANT will have demonstrated experience analyzing publicly available resources such as County Business Pattern data, the unrestricted public use establishment level data from U.S. Census Bureau's Longitudinal Business Database (LBD) for the development or validation of Freight Forecasting models.

The CONSULTANT will have demonstrated experience processing commodity flow data as necessary for model development. The CONSULTANT will have demonstrated experience analyzing databases such as Bureau of Economic Analysis (BEA) Input-Output Make Use tables or the regional "Supply Chain Consortium".

Consultants will clearly specify proposed availability of key personnel throughout the project effort in areas of expertise included in the SOQ.

Anticipated Projects:

The overall goal is to develop a behavior based freight forecasting model for MAG and PAG regions on time and budget. The following list provides a sample of the types of projects or task orders for which MAG may require assistance. The list below is by no means mutually exclusive or all inclusive. Other task orders related to models integration, data collection and analysis might be issued as appropriate for the project purposes.

1. Developing freight model specifications and detailed work plan.
2. Freight data collection – final data sets to be used for freight model development, data acquisition and data preparation.
3. Detailed data analysis, including freight commodity flow data analysis.
4. Identification and list of main traffic generators and main industry sectors in freight movement.
5. Freight establishments/firm synthesis models.
6. Behavioral establishment interaction model/ distribution models for freight industry.
7. Tour formation models for different truck types/industries.
8. Multimodal network and corresponding documentation.
9. Mode choice models.
10. Operational mega-regional freight model and model documentation.
11. Technical documentation of freight data analysis and freight model development.

PARTICIPATION BY DISADVANTAGED BUSINESS ENTERPRISES – COMMITMENT, COMPLIANCE AND REPORTING

- A. The Department (ADOT) has established a Disadvantaged Business Enterprise (DBE) program in accordance with the regulations of the U.S. Department of Transportation (USDOT), 49 CFR Part 26. ADOT has received federal financial assistance from the USDOT and as a condition of receiving this assistance, ADOT has signed an assurance that it shall comply with 49 CFR Part 26.

It is ADOT's policy to ensure that DBEs, as defined in 49 CFR Part 26, have an equal opportunity to receive and participate in federally-funded contracts. It is also ADOT's policy to:

1. Ensure nondiscrimination in the award and administration of federally-funded contracts;
2. Create a level playing field on which DBEs can compete fairly for federally-funded contracts;
3. Ensure that the DBE program is narrowly tailored in accordance with applicable law;
4. Ensure that only firms that fully meet 49 CFR Part 26 eligibility requirements are counted as DBEs;
5. Help remove barriers to the participation of DBEs in federally-funded contracts;
6. Assist in the development of firms that can compete successfully in the marketplace; and
7. Facilitate and encourage participation by Small Business Concerns (SBCs) in ADOT contracts. ADOT encourages Consultants to take reasonable steps to eliminate obstacles to SBC's participation and to utilize SBCs in performing contracts.

The Federal regulations require a recipient of federal highway funding to implement an approved DBE Program that consists of establishing a statewide DBE utilization goal that uses race-neutral means to the maximum feasible extent to achieve the goal. Where race-neutral measures prove inadequate to achieve the goal, the State is required to use race-conscious measures, such as a DBE participation goal for individual contracts.

The Department has established an overall annual goal for DBE participation on Federal-aid contracts. The Department intends to meet the goal with a combination of race-conscious efforts and race-neutral efforts. Race-conscious participation occurs where the Consultant uses a percentage of DBEs to meet a contract specified goal. Race-neutral efforts are those that are, or can be, used to assist all small businesses or increase opportunities for all small businesses.

The Consultant is required to adhere to the commitment made to utilize certified Disadvantaged Business Enterprises (DBE) as indicated in the firm's Statement of Qualifications (SOQ) or subsequently agreed to by the State during negotiations. The State, at its discretion on a case-by-case basis, may waive the above limitations.

B. DBE GOAL/COMMITMENT AND DOCUMENTATION

No DBE goal has been set on this Contract. The Consultant IS ENCOURAGED to voluntarily obtain DBE participation on this Contract to help ADOT meet its overall DBE goal.

C. COMPLIANCE

This Contract is subject to DBE compliance tracking for the Consultant and its Subconsultants. Lower-tier Subconsultants and Vendors are required to provide any requested DBE Contract compliance-related data in hard copy or electronically as determined by the State, including written agreements between the Consultant and Subconsultant DBEs. The Consultant shall report the amount earned by and paid to each DBE and non-DBE Subconsultants working on the project for the preceding month on each monthly Progress Payment Report. The Consultant is responsible for ensuring that the Consultant and all its Subconsultants and lower-tier Subconsultants have completed all requested items and that their contact information is accurate and up-to-date.

D. REPORTING AND SANCTIONS

1. ADOT is required to collect DBE participation data on all Federal-aid projects, whether or not there is a stated DBE goal/commitment on this Contract. Therefore, the Consultant shall report the monthly payments made to all DBE, non-DBE Subconsultants and Direct Expense Vendors, including all lower-tier Subconsultants, for labor, equipment, and materials. If the Consultant and its Subconsultants do not provide all required DBE usage and payment information with the monthly Progress Payment Reports (PPRs) submittals for the preceding month, and complete its monthly audit and reporting of payments to DBEs and non-DBEs in the DBE System, the State shall deduct \$1,000 for each delinquent report, whether from the Consultant or any of its Subconsultants, from the progress payment for the current month, not as a penalty but as liquidated damages. If by the following month, the required DBE payment information for the previous month has still not been provided, the State shall deduct an additional \$1,000 for each delinquent report. Such deductions shall continue for each subsequent month that the Consultant or its Subconsultants fail to provide the required payment information.
2. The Consultant, Subconsultants, lower-tiered Subconsultants and Vendors shall confirm the payments received from ADOT and/or the Consultant through ADOT DBE Contract & Labor Compliance Management System (DBE System).
3. After execution of this Contract and before the first Payment Report/Invoice is submitted to the Maricopa Association of Governments, the Consultant is required to log into the DBE System and enter the name, contact information, and subcontract amounts for all Subconsultants, lower-tier Subconsultants and Direct Expense vendors performing any work on the project to help ADOT track and monitor payments to DBE and non-DBE Subconsultants on the project and to confirm that the scope of services and commitments made via the DBE Intended Participation Affidavits are being met.
4. All DBE and non-DBE subcontracting activities and payments shall be reported by the Consultant. All DBE subcontracting activities will be counted toward DBE participation. This includes lower-tier subcontracting activities regardless of whether or not the DBE is under contract with another DBE.
5. The following individual shall be the Consultants designated DBE reporting administrator and will be responsible for maintaining all DBE reporting requirements identified above.

CONSULTANT:
[NAME]
[TITLE]
[ORGANIZATION]

[ADDRESS]
[CITY, STATE AND ZIP]
Phone: [PHONE]
FAX: [FAX]

E. COUNTING DBE PARTICIPATION

In counting the DBE participation, the Department shall apply the rules in 49 CFR §26.55 as a supplement herein. The firm shall count only the value of the work actually performed by the DBE toward DBE goals. No credit shall be allowed for shipping, manufacturing or supply.

1. Contracts created to artificially create DBE participation are not acceptable; the arrangement shall be within normal industry practices. The DBE shall perform a commercially useful function.
2. Count the entire amount of that portion of a Contract (or other Contract not covered by paragraph (2) of this section) that is performed by the DBE's own forces. Firms shall include the cost of supplies and materials obtained by the DBE for the work on the Contract, including supplies purchased or equipment leased by the DBE (except supplies and equipment the DBE Subconsultant purchases or leases from the Consultant or its affiliate).
3. Count the entire amount of fees or commissions charged by a DBE firm for providing a bona fide service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specially required for the performance of a DOT-assisted contract, toward DBE goals, provided the fee is determined to be reasonable and not excessive as compared with the fees customarily allowed for similar services.
4. When a DBE subcontracts part of the work of its contract to another firm, the value of the subcontracted work may be counted toward DBE goals only if the lower-tier Subconsultant is itself a DBE. Work that a DBE subcontracts to a non-DBE does not count toward DBE goals.
5. It is presumed that the DBE is not performing a commercially useful function if: (a) a DBE does not perform or exercise responsibility for at least 30 percent (30%) of the total cost of its Contract with its own work force; or (b) the DBE subcontracts a greater portion of the work of a Contract than would be expected on the basis of normal industry practice for the type of work involved.

F. PARTICIPATION BY SMALL BUSINESS CONCERNS (SBCS)

It is ADOT's policy to facilitate and encourage participation by Small Business Concerns (SBCs) in ADOT contracts. ADOT encourages Consultants to take reasonable steps to eliminate obstacles to SBC's participation and to utilize SBCs in performing contracts.

Consultant shall take all reasonable steps to remove obstacles to SBC participation in the contract. ADOT encourages the Consultant to utilize SBCs. SBCs are registered in the Arizona Unified Transportation Registration and Certification System (AZ UTRACS).

G. PARTICIPATION BY SMALL BUSINESS CONCERNS (SBCS)

It is ADOT's policy to facilitate and encourage participation by Small Business Concerns (SBCs) in ADOT contracts. ADOT encourages Consultants to take reasonable steps to eliminate obstacles to SBC's participation and to utilize SBCs in performing contracts.

Consultant shall take all reasonable steps to remove obstacles to SBC participation in the contract. ADOT encourages the Consultant to utilize SBCs. SBCs are registered in the Arizona Unified Transportation Registration and Certification System (AZ UTRACS).

QUALIFICATIONS (SOQ) REQUIREMENTS AND CONTENT

It is required that the SOQ include the following items in the same order as they are listed below. Failure to provide the requested information may result in rejection of the SOQ. Brief and concise submittals are encouraged. The total number of pages must not exceed sixty (60), entirely on letter size (8.5 x 11 inches), excluding the resumes, the cover letter, tabs, table of contents and appendices. Blank pages are not included in the total page count. The outside packaging of the submittal must be clearly marked with the Project Title, the SOQ Due Date, and the Proposer's name.

1. **Identification.** A title sheet or equivalent which includes:
 - a. The title of this solicitation.
 - b. Proposer's name and business address.
 - c. The name, title, mailing address, and telephone and fax numbers of the principal contact.
2. **Table of Contents.**
3. **Organization and Approach.** A brief statement describing the CONSULTANT's organization and outlining its approach to completing the work required for the range of projects included in this solicitation. This statement should briefly illustrate the CONSULTANT's overall understanding of specific areas of expertise as well as the anticipated projects listed.
4. **Background of Firm.** Background information regarding CONSULTANT, including:
 - a. Number of employees (by type of professional expertise and managerial role in the company).
 - b. Length of time the CONSULTANT has been in business.
 - c. Number of affiliated offices (if applicable).
5. **Range of Services Offered.** Identification of the specific services that the CONSULTANT is qualified in and plans to provide to MAG. Related services may be offered in addition to those referenced above in the Section titled "REQUIRED CONSULTING SERVICES AND ANTICIPATED PROJECTS." The CONSULTANT does not have to submit a response to all the required areas of expertise and anticipated projects listed to be favorably considered. This information must be provided in a spreadsheet format, clearly identifying the firm's role and the role of Subconsultants and anticipation of DBE participation if applicable. Therefore, all SOQs should include sufficient personnel resources for carrying out all types of anticipated work in each area of expertise offered.
6. **Recent Examples.** Examples of successful, recent experience in providing consultant services in each of the areas of expertise identified above. Preference will be given to Consultants with demonstrated experience and expertise in successfully performing work of a similar nature or related nature.
7. **References.** One reference for each example submitted under item six (6), above. Include the following:
 - a. Date of the project.

- b. Name and address of client.
 - c. Name and telephone number of the individual in the client organization that had management responsibility for the project.
 - d. Relevance to this SOQ.
 - e. Brief description of the project.
8. **Individuals and Expertise.** A complete listing of all individuals to be included under each area of expertise, specifying their level of participation in each of the areas of expertise identified in item five (5). This information must be provided in a spreadsheet or tabular format with Subconsultants listed separately. Project managers on assignments that involve traffic engineering elements must be a currently registered engineer in Arizona.
9. **Resumes.** Resumes of each person listed in item eight (8) above, indicating education and experience relevant to the areas of expertise. Include abstracts of previously completed similar projects.
10. **Subconsultants.** The name, address, telephone number, and primary contact for Subconsultants included in the project (if any). For each Subconsultant, include resumes of the individuals to be assigned to the project and at least two (2) references which include:
- a. Date of the project.
 - b. Name and address of client.
 - c. Name and telephone number of the individual in the client organization that had management responsibility for the project.
 - d. Relevance to this SOQ.
 - e. Brief description of the project.
11. **DBE Requirements.** If a DBE goal has been established on this RFQ (see DBE goal/commitment and documentation under **SCOPES OF SERVICES**).
12. **Additional Information.** Any additional information that the Proposer believes would be useful to MAG in evaluating the Proposer's SOQ.
13. **Rules of Professional Conduct Certification Statement.** A signed statement, located on the last page of Appendix A, certifying that CONSULTANT will comply with, in all respects, the rules of professional conduct set forth in A.A.C. R4-30-301 (Appendix A), which is the official compilation of Administrative Rules and Regulations for the State of Arizona.
14. **Information Form.** A completed Proposer's Information Form (Appendix B). If applicable, completed Proposer's Information Form for each Subconsultant proposed for this project.

By signature on the Proposers Information Form, the CONSULTANT certifies that:

- a. The submission of the offer did not involve collusion or other anti-competitive practices.
- b. The CONSULTANT will not discriminate against any employee or applicant for

employment in violation of Federal Executive Order 11246.

- c. The CONSULTANT has not given or offered to give and does not intend 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.
 - d. Failure to sign the offer, or the falsity of a statement in a signed offer, shall void the submitted offer or any resulting contracts, and the CONSULTANT may be debarred.
15. **Debarment and Suspension Certification.** As required by 49 CFR 29 (Debarment and Suspension), certification of Consultant's eligibility to receive Federal funds and a copy of such certification for which may be furnished to ADOT or other government entities. A certification to this effect is included in this RFQ as Appendix C and must be submitted by CONSULTANT in order for CONSULTANT to be considered responsible and their SOQ to be considered responsive.
16. **Authorized Signer Signature.** The SOQ shall be signed by a representative or officer authorized to bind the CONSULTANT. Individuals of the CONSULTANT qualified to negotiate a contract with MAG regarding the SOQ shall be identified by name, title, address, and telephone number.
17. **Confidential Portions Identification.** In accordance with Arizona Administrative Code R2-7-103, CONSULTANT may designate as confidential portions of a SOQ. A summary index of any such designation must be included in the Table of Contents or cover letter in the SOQ documents. If MAG determines to disclose the information provided, MAG shall inform the CONSULTANT in writing of such determination.
18. Disclaimer: **Anti-Lobbying:** MAG complies with the provisions of Section 1352 of Title 31, U.S. Code (Public law 101.121) as codified in Title 48, Federal Acquisition Regulations Subpart 3.8 and Subpart 52.203-11 and 23 CFR 630.112(c)(5). That legislation prohibits Federal funds from being expended by a recipient or any lower tier sub-recipients of a Federal contract, grant, loan, or cooperative agreement to pay any person for influencing or attempting to influence a Federal agency or Congress in connection with the award of any Federal contract, the making of any Federal grant or loan, or entering into any cooperative agreement, including the extension, continuation, renewal, amendments or modification of any Federal contract, grant, loan or cooperative agreement.

STATEMENT OF QUALIFICATIONS (SOQ) DELIVERY AND OPENING

10 (TEN) copies of the SOQ, entirely on letter size (8.5 x 11 inches) paper, should be submitted by 2:00 PM Mountain Standard Time (MST), August 1, 2014, to the following address:

Maricopa Association of Governments
Attention: Dr. Vladimir Livshits
302 North First Avenue, Suite 200
Phoenix, AZ 85003

Timely receipt of SOQs shall be determined by the date and time the SOQ is received at the above address. No late submissions, facsimile, or electronic submissions shall be accepted after the time indicated. Hand delivery is therefore encouraged to assure timely receipt. SOQs received after the deadline shall be stamped for time and date and returned unopened to the CONSULTANT.

All material submitted in response to this solicitation becomes the property of MAG and shall not be returned. After contract award, the SOQ shall be open for public inspection except to the extent that the withholding of information is permitted or required by law. If the CONSULTANT designates a portion of its SOQ as confidential, it shall isolate and identify in writing the confidential portions in accordance with Arizona Administrative Code R2-7-103 and shall be included in the SOQ. Upon receipt of written notification, MAG will review any portions of the SOQ that the CONSULTANT considers to be confidential and will then make a determination on what should be released. MAG will also notify the CONSULTANT in writing of the determination and provide an opportunity for the CONSULTANT to respond to the decision prior to releasing the SOQ.

Any questions regarding this Request for Qualifications should be submitted in writing to Dr. Vladimir Livshits, Transportation Modeling Program Manager by email at vlivshits@azmag.gov not later than eight (8) working days prior to the closing date of August 1, 2014. Responses to questions submitted will be posted on the MAG Web site at <http://www.azmag.gov> under "RFPs and RFQs" not later than five (5) working days prior to the closing date of August 1, 2014. Additional information regarding MAG activities, including Committee meeting schedules, may be found on the MAG Web site <http://www.azmag.gov>.

PHASE 1 - STATEMENT OF QUALIFICATIONS EVALUATION AND SELECTION PROCESS

1. **Evaluation Criteria.** All SOQs submitted will be evaluated by a group consisting of MAG staff and member agencies. Evaluation criteria include, but are not limited to, the following:
 - a. Demonstration of the overall understanding of goals and objectives of this solicitation.
 - b. Clarity of SOQ, realistic approach, technical soundness, and enhancements to elements outlined in this RFQ.
 - c. Education and relevant experience of personnel in providing similar services. Only those personnel that will be assigned to work directly on each area should be cited.
 - d. Proven track record in the areas of expertise sought. Proposer should clearly identify the principal people who worked on past projects and the amount of time they devoted to the work effort.
 - e. Availability of key personnel throughout the project effort.
 - f. Ability and commitment to deliver required products and services, meet all deadlines for submitting associated work products, and ensure quality control.
 - g. Recognition of work priorities and flexibility to deal with change and contingencies.
 - h. Demonstrated DBE Compliance.
2. **References.** As part of its final selection, MAG reserves the right to contact a reasonable number of references from among those provided by the Proposer.
3. As provided by Arizona Administrative Code R2-7-101, discussions may be conducted with Proposers who submit SOQs determined likely to be selected for inclusion in the 2015 Behavior Based Freight Model Development On-Call Consultant list. If discussions are conducted during Phase 2 pursuant to Arizona Administrative Code R2-7-101, MAG shall issue a written request for best and final offers. Award may be made without discussions; therefore, SOQs shall be submitted on complete and on most favorable terms. The selection of a Consultant will be based solely on qualifications and exclude consideration of price or fee. MAG will negotiate compensation with the CONSULTANT determined to be the most qualified; and, if a fair and reasonable compensation cannot be negotiated with CONSULTANT, MAG may initiate negotiations with the next most qualified consultant.
4. **MAG Approval.** A recommendation for inclusion of the selected Consultants in the 2015 Behavior Based Freight Model Development On-Call Consultant list shall be made by the MAG Executive Director to the MAG Regional Council. The decision of the Regional Council is final.
5. MAG reserves the right to:
 - a. Cancel this solicitation.
 - b. Reject any and all proposals and re-advertise.
 - c. Select the SOQ that will, in its judgment, best meet MAG's needs, despite any differences in estimated project costs between the CONSULTANT and all others.

- d. Negotiate a contract that covers selected parts of a proposal, or a contract that will be interrupted for a period, or canceled, for lack of funds.
 - e. Conform with the State of Arizona Public Records law(s).
6. Contact with MAG or MAG Member Agency Employees. All firms interested in this RFQ/RFP (including the firm's employees, representatives, agents, lobbyists, attorneys, and subconsultants) will refrain, under penalty of disqualification, from direct or indirect contact for the purpose of influencing the selection or creating bias in the selection process with any person who may play a part in the selection process. This policy is intended to create a level playing field for all potential firms, and to protect the integrity of the selection process. All questions on this selection process should be addressed to the authorized representative at MAG.

PHASE 2 - QUALIFICATIONS MATRIX AND CONTRACT

1. **Format.** The format for Phase 2 response shall be provided to the selected On-Call Consultants.
2. **Qualifications Matrix.** A qualification matrix listing all personal that will be made available for work performed under the On-Call Contract shall be provided by the CONSULTANTS. Information to be listed on the matrix includes the name of all personnel, staff classification or job title, years of experience, and any relevant qualifications or certifications.
3. **MAG Contract.** Selected On-call Consultants shall enter into a MAG On-Call Contract to provide services in areas for which they have been qualified.
4. **Contract Term.** The terms of any resultant On-Call Contract(s) for MAG shall commence on the contract enter date and may continue up to three (3) years, unless terminated, cancelled, or extended as otherwise provided herein.
5. **Contract Extension.** MAG reserves the right to unilaterally extend the period of any resultant contract for thirty-one (31) days beyond the stated expiration date. In addition, by mutual written agreement, any resultant contract may be extended for supplemental periods as approved by MAG.
6. **Insurance.** MAG requires that the CONSULTANT and, if applicable, Subconsultants, to maintain insurance coverages appropriate to any executed contracts. Insurance required by MAG must be met following award of a contract, and prior to CONSULTANT and, if applicable, Subconsultants, beginning work on a task order.

PHASE 3 - PROJECT INITIATION

1. **Request for Technical and Pricing Proposal.** To initiate a project under this contract, MAG will provide a brief scope of services for the Task Order and request a technical and pricing proposal, based on the rate and personnel schedules described above, to be submitted to MAG within two (2) weeks of receipt by selected On-Call Consultant. The CONSULTANT's proposal shall include the project scope of services, required schedule, a list of deliverables, and pricing. MAG reserves the right to select and request proposals from more than one Consultant on the qualified On-Call list to respond to any specific Task Order. For all projects that are estimated to exceed \$100,000 in total cost, a minimum of three (3) qualified Consultants shall be invited to submit proposals. (See Consultant SELECTION FROM MULTIPLE CONTRACTS section below.)
2. **Response.** Responses to a Task Order shall be in writing and submitted to MAG Project Manager. Pricing submitted shall include listing of proposed staff, staff position description (i.e., Project Manager, Systems Integrator), hourly rate according to the rate schedule for the period to be covered by the project in question, estimated number of hours, and anticipated travel expenses. Items shall be totaled and the total shall be a NOT TO EXCEED amount. MAG will finalize the scope of services and project pricing in consultation with the CONSULTANT and other stakeholder agencies with direct involvement in the project.
3. **Task Order Agreement.** Upon finalization of the scope of services, cost, and project schedule, a Task Order agreement shall be executed. The CONSULTANT shall commence work upon an approval notice from the Project Manager.
4. **Task Order Duration.** Duration of services for projects to be completed under this contract may vary from a few weeks to several months and will be dependent on the scope of services of each project. The schedule and duration will be as specified in the executed Task Order for each project. The CONSULTANT shall submit any changes to the project schedule in a format specified by MAG
5. **DBE Participation.** The CONSULTANT shall comply with the Department's (ADOT) Disadvantaged Business Enterprise (DBE) program on a Task-Order-by-Task-Order basis if a DBE goal has been established on this contract. If no DBE goal has been set on this Contract, the CONSULTANT IS ENCOURAGED to voluntarily obtain DBE participation on this Contract to help ADOT meet its overall DBE goal.

VENDOR INFORMATION

Prior to issuance of a Task Order and subsequent payment, the selected On-Call Consultant shall have a completed Federal Form W-9 and Proof of Insurance on file with MAG. No payments shall be made until the forms are on file.

PERFORMANCE STANDARDS

MAG relies upon the provision of services in accordance with the contract; therefore, the CONSULTANT shall agree that time is of the essence, and that contractual commitments shall be met.

The CONSULTANT agrees that CONSULTANT's employees shall not divulge or release data or information developed obtained in connection with the performance of the resulting contract, unless made public by MAG.

CONSULTANT SELECTION FROM MULTIPLE CONTRACTS

MAG makes no guarantee as to the amount of work to be assigned to any Consultant and may exercise its option not to utilize the services requested herein. MAG is under no financial obligation to any selected Consultant unless MAG issues a Task Order for a specific requirement.

Experience of the CONSULTANT, qualifications, education, and experience of the staff will be the criteria used to make a determination as to which Consultants will be contacted for consideration to perform required services. Each Consultant contacted will have the opportunity to indicate their availability and prepare a staffing plan and detailed approach for the desired work assignment. If substitution of staff is required after commencement of assignment, replacement must possess comparable qualifications and must receive prior written approval from MAG.

MAG will select the CONSULTANT(s) which best addresses MAG requirements. MAG will attempt to reach an agreement with the most qualified Consultant in MAG's opinion. If MAG cannot reach an agreement with the selected CONSULTANT, MAG may choose to select another Consultant from the On-Call pool or rebid the required services.

Projects that exceed \$100,000 in estimated total cost:

The consultant selection process for all projects that are estimated to exceed \$100,000 in total cost will include detailed technical proposals from at least three (3) qualified consultants listed on the 2015 Behavior Based Freight Model Development On-Call Consultant list. MAG reserves the right to interview one (1) or more of the responding Consultants prior to a final decision on the award of a Task Order. For such projects, Consultants invited to respond will be provided a reasonable period of time, to be determined by MAG, to prepare and submit proposals. If interviews are held, at least two (2) weeks' notice will be provided.

CHANGES IN SERVICES

Significant changes in the scope, character, or complexity of the services shall not be negotiated under this contract. Changes in services may result in the contract being canceled and rebid. Should this be required, all Consultants will be notified in writing within 30 (thirty) days prior to cancellation.

PROJECT ADMINISTRATION AND PROJECT MANAGEMENT

The MAG Project Manager is Dr. Vladimir Livshits, Transportation Modeling Program Manager, for the On-Call Consultant Services for 2015 Behavior Based Freight Model Development On-Call, who will provide general direction as necessary and who will be responsible for decisions pertaining to work under the contract.

PAYMENT

The CONSULTANT will be paid based on the negotiated scope of services, budget, schedule, and fee. Progress reports and invoices shall be submitted according to intervals specified in the final Consultant contract or Task Order for reimbursement of costs incurred in conformance with the project budget. The progress reports shall document services by each work task, the hours worked, and the hourly rate of each person, and other direct expenses. All costs incurred in preparing invoices shall be included in the general and administrative expenses or the overhead. MAG will provide to the CONSULTANT the format to be used for invoices and progress reports.

MAG shall retain ten percent (10%) of the amount billed until satisfactory completion of the project. Final payment shall be made as soon as possible after the date of acceptance.

INVOICING REQUIREMENTS

All invoices for this contract shall be delivered in person or sent by mail addressed as follows:

Maricopa Association of Governments
Attention: Accounts Payable
302 North First Avenue, Suite 200
Phoenix, AZ 85003

ADMINISTRATIVE REQUIREMENTS

1. The CONSULTANT agrees and understands that the 2015 Behavior Based Freight Model Development On-Call Contract shall not be construed as an exclusive arrangement and further agrees that MAG may secure similar services with other contracted sources at any time in conjunction with, or in replacement of, the proposed services.
2. The basis for payment to the CONSULTANT for services rendered shall be based on the negotiated scope of services, budget, approved rate schedule for the prime Consultant and/or any Subconsultants, and fee.
3. An audit examination of the CONSULTANT's records may be required.
4. During project execution, a progress report shall be submitted along with the invoice within ten (10) working days after the end of each month until the final report is submitted. Each report should include a comprehensive narrative of the activities performed during the month, an estimated percent completed for each project task, monthly and cumulative costs by task, activities of any Subconsultants, payments to any Subconsultants, and a discussion of any notable issues or problems being addressed.
5. Each Consultant selected must document any potential conflicts of interest during the contract period. A conflict of interest shall be cause for terminating a contract. A potential conflict of interest includes, but is not limited to, the following:
 - a. Accepting an assignment where duty to the client would conflict with the CONSULTANT's personal interest or the interest of another client.
 - b. Performing work for a client or having an interest which conflicts with this contract.
 - c. Employing personnel who worked for MAG or one of its member agencies within the past three (3) years.

MAG shall be the final determining body as to whether a conflict of interest exists.

6. MAG, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C 2000d to 2000d-4 and Title 49, the Civil Rights Restoration Act of 1987 (Public Law 100.259). Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all Consultants that it will affirmatively insure that in any contract entered into pursuant to this solicitation, minority business enterprises will be afforded full opportunity to submit SFQs in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. Any contract resulting from this RFQ shall contain Title VI compliance language as specified in Appendix D of this RFQ.
7. The Consultants selected shall be required to comply with MAG insurance requirements, which may include Workers' Compensation, Architects and Engineers Professional Liability insurance, Commercial General Liability insurance, Business Automobile Liability insurance, and Valuable Papers insurance.
8. Small and Minority Business and Women's Business Enterprises.
 - a. It is MAG's policy, as a federally assisted agency, to encourage small and minority

businesses and women's business enterprises to submit proposals.

- b. State whether the primary Consultant firm or any Subconsultants are a small or minority business or a woman's business enterprise.
9. Disadvantaged Business Enterprise (DBE): MAG has adopted ADOT's DBE program and will ensure compliance with 49 CFR Part 26.

ADOT and MAG are required to collect data on DBE and non DBE participation to report to FHWA on Federal aid projects. The selected CONSULTANT is notified that such record keeping is required by ADOT for tracking DBE participation. The selected CONSULTANT shall provide all such required information for the current month by the 5th of the following month. The required information shall be submitted electronically through the web based payment tracking system <https://arizonalpa.dbesystem.com/>.

Subconsultants and lower-tier(s) of Subconsultants agree to fully comply with the Federal aid contract provisions which are hereby fully incorporated into and made part of this subcontract. Subconsultants shall include these required contract provisions in all its lower-tier subcontracts.

10. Certification of Payments to DBE Firms (if applicable): The CONSULTANT shall submit at the completion of the project the "Certification of Payments to DBE Firms" affidavit for each DBE firm working on the project.

APPENDIX A - ARIZONA ADMINISTRATIVE CODE R4-30-301

CH. 30

BOARD OF TECHNICAL REGISTRATION

R4-30-301

**ARTICLE 3. REGULATORY PROVISION
R4-30-301. Rules of Professional Conduct**

All registrants shall comply with the following rules of professional conduct:

1. A registrant shall not submit any materially false statements or fail to disclose any material facts requested in connection with an application for registration or certification, or in response to a subpoena.
2. A registrant shall not engage in fraud, deceit, misrepresentation or concealment of material facts in advertising, soliciting, or providing professional services to members of the public.
3. A registrant shall not commit bribery of a public servant as proscribed in A.R.S. § 13-2602, commit commercial bribery as proscribed in A.R.S. § 13-2605, or violate any Federal statute concerning bribery.
4. A registrant shall comply with State, municipal, and county laws, codes, ordinances, and regulations pertaining to the registrant's area of practice.
5. A registrant shall not violate any State or Federal criminal statute involving dishonesty, fraud, misrepresentation, embezzlement, theft, forgery, perjury, bribery, or breach of fiduciary duty, if the violation is reasonably related to the registrant's area of practice.
6. A registrant shall apply the technical knowledge and skill that would be applied by other qualified registrants who practice the same profession in the same area and at the same time.
7. A registrant shall not accept an engagement if the duty to a client or the public would conflict with the registrant's personal interest or the interest of another client without making a full written disclosure of all material facts of the conflict to each person who might be related to or affected by the engagement.
8. A registrant shall not accept compensation for services related to the same engagement from more than one party without making a full written disclosure of all material facts to all parties and obtaining the express written consent of all parties involved.
9. A registrant shall make full disclosure to all parties concerning:
 - a. Any transaction involving payments to any person for the purpose of securing a contract, assignment, or engagement, except payments for actual and substantial technical assistance in preparing the proposal; or
 - b. Any monetary, financial, or beneficial interest the registrant holds in a contracting firm or other entity providing goods or services, other than the registrant's professional services, to a project or engagement.
10. A registrant shall not solicit, receive, or accept compensation from material, equipment, or other product or services suppliers for specifying or endorsing their products, goods or services to any client or other person without full written disclosure to all parties.

11. If a registrant's professional judgment is overruled or not adhered to under circumstances where a serious threat to the public health, safety, or welfare may result, the registrant shall immediately notify the responsible party, appropriate building official, or agency, and the Board of the specific nature of the public threat.
12. If called upon or employed as an arbitrator to interpret contracts, to judge contract performance, or to perform any other arbitration duties, the registrant shall render decisions impartially and without bias to any party.
13. To the extent applicable to the professional engagement, a registrant shall conduct a land survey engagement in accordance with the April 12, 2001 Arizona Professional Lands Surveyors Association (APLS) Arizona Boundary Survey Minimum Standards, as adopted by the Board on June 15, 2001, the provisions of which are incorporated in this subsection by reference and on file with the Office of the Secretary of State. This incorporation by reference does not include any later amendments or editions and is available at the Board's office and APLS at <http://www.aia.org>.
14. A registrant shall comply with any subpoena issued by the Board or its designated administrative law judge.
15. A registrant shall update the registrant's address and telephone number of record with the Board within 30 days of the date of any change.
16. A registrant shall not sign, stamp, or seal any professional documents not prepared by the registrant or a bona fide employee of the registrant.
17. Except as provided in subsections (18) and (19), a registrant shall not accept any professional engagement or assignment outside the registrant's professional registration category unless:
 - a. The registrant is qualified by education, technical knowledge, or experience to perform the work; and
 - b. The work is exempt under A.R.S. § 32-143.
18. A registered professional engineer may accept professional engagements or assignments in branches of engineering other than that branch in which the registrant has demonstrated proficiency by registration but only if the registrant has the education, technical knowledge, or experience to perform such engagements or assignments.
19. Except as otherwise provided by law, a registrant may act as the prime professional for a given project and select collaborating professionals; however, the registrant shall perform only those professional services for which the registrant is qualified by registration to perform and shall seal and sign only the work prepared by the registrant or by the registrant's bona fide employee.
20. A registrant who is designated as a responsible registrant shall be responsible for the firm or corporation. The Board may impose disciplinary action on the responsible registrant for any violation of Board statutes or rules that is committed by a non-registrant employee, firm, or corporation.
21. A registrant shall not enter into a contract for expert witness services on a contingency fee basis or any other arrangement in a disputed matter where the registrant's fee is directly related to the outcome of the dispute.

Amended by final rulemaking at 12 A.A.R. 1609, effective July 1, 2006 (Supp. 06-2).

COMPLIANCE WITH RULES OF PROFESSIONAL CONDUCT CERTIFICATION

I hereby certify to the best of my knowledge and belief that _____
(Name of Consulting Firm)

and I _____ as the _____ shall comply with, in all
(Name) (Title)
respects, the rules of professional conduct sent forth in A.A.C. R4-30-301.

(Signature)

(Print Name)

(Date)

APPENDIX B - PROPOSER'S INFORMATION FORM

Consultants proposing as prime Consultants or Subconsultants on Maricopa Association of Governments' (MAG) projects are required to complete this form and return it with your proposal.

If you have any questions about this information form, please call the MAG Fiscal Services Manager, (602) 254-6300.

1. **GENERAL INFORMATION:**

2.

Name of Firm: _____

Street Address: _____

City, State, Zip: _____

Telephone Number: _____ Fax Number: _____

Email Address: _____

Web address: _____ Year firm was established: _____

Is this firm a prime consultant? Yes _____ No _____

Is this firm a subconsultant? Yes _____ No _____

If so identify specialty: _____

Is this firm a certified DBE? Yes _____ No _____

If so, by whom? _____

Is this firm currently debarred? Yes _____ No _____

Is this firm currently the subject of debarment proceeding? Yes _____ No _____

3. **FINANCIAL INFORMATION**

Firm's annual gross receipts (average of last three years)

_____ <\$300,000

_____ \$300,000 - \$599,999

_____ \$6000 – \$999,999

_____ \$1,000,000 - \$4,999,999

_____ >\$5,000,000

Information will be maintained as confidential to the extent allowed by Federal and State law. The undersigned swears that the above information is correct. Any material misrepresentation may be grounds for terminating any contract which may be awarded and initiating action under Federal and State laws concerning false statements.

[NAME, TITLE]

Date

APPENDIX C - DEBARMENT/SUSPENSION CERTIFICATION

STATE OF)

SS.)

COUNTY OF)

I, _____ of the City of _____, in the County of

_____ and the State of _____, of full age, being duly sworn according to the law of my oath depose and say that:

In accordance with the terms of U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 CFR Part 1200, which adopts and supplements the provisions of U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Government-wide Debarment and Suspension (Nonprocurement)," 2 CFR Part 180:

1. Proposer certifies to the best of its knowledge and belief, that it and its principals, including its first tier Subconsultants: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded or disqualified from covered transactions by any Federal department or agency; (b) Have not within a three-year period preceding its latest application or proposal been convicted of or had a civil judgment rendered against any of them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction, or contract under a public transaction; violation of any Federal or State antitrust statute; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making any false statement, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses listed in subparagraph (1)(b) of this certification; (d) Have not within a three-year period preceding this certification had one or more public transactions (Federal, State, or local) terminated for cause or default.
2. Proposer certifies that it and its principals, including its first tier Subconsultants will treat each lower tier contract or lower tier subcontract under the Project that (a) equals or exceeds \$25,000, (b) is for audit services, or (c) requires the consent of a Federal official, as a covered contract for purposes of 2 CFR Part 1200 and 2 CFR Part 180, and will otherwise comply with the Federal requirements of 2 CFR Part 1200 and 2 CFR Part 180, and will assure that each lower tier participant involved in the Project is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded or disqualified from participation in this transaction by any Federal department or agency;
3. Proposer certifies that if, later, it or its principals, including any of its first tier Subconsultants, become aware of any information contradicting the statements of subparagraphs (1)(a) through (d) above, it will promptly provide any necessary information to MAG;
4. If Proposer or any of its principals, including any of its first tier Subconsultants or lower tier participants, is unable to certify to the statements within paragraphs 1, 2, and 3 above, the Proposer shall indicate so on its Signature Page.

5. The Proposer further certifies that their firm is not currently debarred, suspended, or proposed for debarment or suspension by the State of Arizona, or any subdivision thereof.
6. Proposer agrees to notify MAG of any change in the status or facts certified above, should one occur, until such time as the Contract is actually executed by MAG, and thereafter during performance of the Contract.

Dated:

Signature of Proposer

Printed/Typed Name of Proposer

Corporate seal (if applicable)

Sworn to before me day of , 2014, in the County of
this
State of

Notary Public

APPENDIX D - TITLE VI AGREEMENT/CONTRACT REQUIREMENTS

During the performance of this contract, the CONSULTANT, for itself, its assignees and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

- I. Compliance with Regulations: The CONSULTANT shall comply with the Regulation relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- II. Nondiscrimination: The CONSULTANT, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, national origin, or sex in the selection and retention of Subconsultants, including procurements of materials and leases of equipment. The CONSULTANT shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- III. Solicitations for Subconsultants, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the CONSULTANT for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential Subconsultant or supplier shall be notified by the CONSULTANT of the CONSULTANT's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, national origin, or sex.
- IV. Information and Reports: The CONSULTANT shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Arizona Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish this information the CONSULTANT shall so certify to the Arizona Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- V. Sanctions for Noncompliance: In the event of the CONSULTANT's noncompliance with the nondiscrimination provisions of this contract, the Arizona Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - A. withholding of payments to the CONSULTANT under the contract until the CONSULTANT complies, and/or;
 - B. cancellation, termination or suspension of the contract, in whole or in part.
- VI. Certification of Non-segregated facilities: The Federally-assisted Consultant hereby certifies that the CONSULTANT does not maintain or provide for the CONSULTANT's employees any segregated facilities at any of the CONSULTANT's establishments, and that the CONSULTANT does not permit the CONSULTANT's employees to perform their services at any location, under the CONSULTANT's control, where segregated facilities are maintained. The Federally-assisted Consultant certifies further that the CONSULTANT will not maintain or provide for the CONSULTANT's employees any segregated facilities at any of the CONSULTANT's

establishments, and that the CONSULTANT will not permit employees of the CONSULTANT to perform their services at any location, under the Consultants control, where segregated facilities are maintained. The Federally-assisted Consultant agrees that a breach of this Certification is a violation of the Equal Opportunity clause in this Agreement. As used in this Certification, the term "segregated facilities" means any waiting rooms and other storage or dressing rooms which are segregated by explicit directive or are in fact segregated on the basis of race, color, or national origin, because of habit, local custom, or otherwise.

- VII. Incorporation of Provisions: The CONSULTANT shall include the provisions of paragraphs 1 through 5 in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The CONSULTANT shall take such action with respect to any subcontract or procurement as the Arizona Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance. Provided, however, that, in the event a Consultant becomes involved in, or is threatened with, litigation with a Consultant, Subconsultant or supplier as a result of such direction, the CONSULTANT may request the Arizona Department of Transportation to enter into such litigation to protect the interests of the Arizona Department of Transportation, and, in addition, the CONSULTANT may request the United States to enter into such litigation to protect the interests of the United States.