



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007

(If a firm has branch offices, complete for each specific branch office seeking work.)

1. Annual Request for Qualifications

a. FIRM (OR BRANCH OFFICE) NAME:	CivTech Inc
b. FIRM (OR BRANCH OFFICE) STREET:	10605 North Hayden Road, Suite 140
c. FIRM (OR BRANCH OFFICE) CITY:	Scottsdale
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85260
f. YEAR ESTABLISHED:	2002
(g1). OWNERSHIP - TYPE:	S-Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	SBE/DBE/WBE
h. POINT OF CONTACT NAME AND TITLE:	Dawn Cartier, President
i. POINT OF CONTACT TELEPHONE NUMBER:	480-659-4250
j. POINT OF CONTACT E-MAIL ADDRESS:	Dcartier@civtech.com
k. NAME OF FIRM (If block 1a is a branch office):	Not Applicable



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2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Civil Engineer/Transportation Engineer	P	7	N/A
Technician/ Analyst	P	2	N/A
Other	P	2	N/A
Total		11	N/A



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4. Resumes of Key Personnel Proposed for this Contract *(Complete one Section 4 for each key person.)*

Dawn Cartier P.E., PTOE Senior Traffic/ Transportation Engineer	b. ROLE IN THIS CONTRACT Transportation Engineering/ Civil Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 18 Years	2. WITH CURRENT FIRM 13 Years
d. LOCATION <i>(City and State)</i> Scottsdale, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science in Civil Engineering, NAU 1996		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer: AZ (35879), Nevada (020382), Professional Traffic Operations Engineer (723)	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

Professional Memberships include: Institute of Transportation Engineers, American Council of Engineering Companies- National and AZ chapter, Pinal Partnership, American Public Works Association. Experience includes TIA's, Capacity Analysis, Access Management Plans, Large Area Modeling, Corridor Assessment Reports, Multi- Modal Planning, Public Speaking , Coordination with Public Agencies, Presentations at Public Hearings, Planning/Zoning Meetings, and Transportation Advisory Board Meetings.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Continental Farms Master Traffic Impact Analysis- Green Valley Area Pinal County, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2012- March 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Dawn Cartier was the traffic engineering lead for this Master Traffic Impact Analysis. It is a 21,095 acre mixed-use project with a study area located along Continental Road, South of White House Canyon Road and west of Camino De La Cano within the Green Valley area of Pima County, Arizona. The primary goal of the study was to determine the magnitude of the travel demand needs and identify roadway classifications and intersection traffic control on a planning level basis. Final cost of this project: \$52,300.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Sahuarita Farms Master Traffic Impact Analysis- Sahuarita, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2012-September 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Dawn Cartier was hired as a part of a multi-disciplinary team of planning, environmental, engineering and public outreach consultants for consideration of a long-range master plan on rural agricultural lands to perform transportation planning and traffic engineering services for Sahuarita Farms, a mixed-use development located 1mile east and west of Nogales Highway from Pima Mine Road to Duval Mine Road with 4.5 million square feet of retail, 2 million square feet of light industrial and 19,000 residential units designed as a multi-modal community. Elements of the plan include the formulation of master land use and transportation plans, including the identification and recommendations for a future access-controlled parkway corridor through the property that will provide a relief bypass south of Tucson based on a recently completed PARA study and previous RTA studies. Cost of this project was \$138,300.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Juniper Point Traffic Impact Analysis- Flagstaff, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2012-current	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Juniper Point is a mixed-use master planned development consisting of low, medium and high density residential, commercial, employment, municipal and park land uses, located South of I-40, North of John Wesley Powell Blvd and East of Lone Tree Road. It includes approximately 320 acres of undeveloped land. The purpose of the study is to address specific traffic and transportation impacts on the surrounding streets and intersections. Reviews of lane requirements on all existing roadways and intersections, determination of future LOS and recommendation of any capacity related improvements, determination of necessary lane configurations within the proposed development to provide acceptable future levels of service, evaluation of entry spacing along access controlled corridors and evaluation of the need for auxiliary lanes at stop and signal controlled intersection, and extensive coordination between the FMPO, City of Flagstaff, Arizona State Land Department and the developer. This unique project is still ongoing and cost \$241, 949.00 to date.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Hopi Tribe Economic Development Council Transportation Feasibility and Land Assessment- Flagstaff, Arizona	(2) YEAR COMPLETED	
		Professional Services March 2013-current	Construction (if applicable) N/A



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5.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	<p>Dawn was retained by the transportation consultant to help with the site selection for early, mid and long term economic development on approximately 40,000 acres of new land purchased by the Hopi Tribe along the I-40 corridor between Flagstaff and Holbrook. The assessment evaluated the existing transportation infrastructure, including transit potential and future needs to support several development types. The results of the evaluation were provided in a matrix format to visually depict the type and density of development relative to the required improvement costs. The result was the narrowing of many potential development sites to 5 that could be developed in the near term. Approximate cost of project to date is \$25,175.00</p>		

5.	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
	Rivulon- Phase I Traffic Impact Analysis- Gilbert, Arizona	Professional Services January 2013- May 2013	Construction (if applicable)

5.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	<p>Dawn Cartier was retained by Nationwide Realty Investors to provide analysis and documentation of several roadway network and development scenarios for their 275 acre proposed mixed-use development bordered by SR Loop 202, Gilbert Road, Pecos Road and Lindsay Road. This project consisted of 593,200 square feet of retail, 350 apartment units, and a 300 room hotel. A preliminary traffic impact analysis was performed to determine the roadway network that would be necessary to accommodate the town of Gilbert's standards. The cost of this project was \$160,450.00</p>		

John Willett, P.E. PTOE Senior Traffic/ Transportation Engineer	b. ROLE IN THIS CONTRACT Civil Engineering/ Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 25 years	2. WITH CURRENT FIRM 5 years

d. LOCATION (*City and State*) Scottsdale, Arizona

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science in Civil Engineering ASU, 1988	f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer: Arizona (26658) Professional Traffic Operations Engineer (1505)
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)
Experience includes: Traffic Studies, Traffic Design, Traffic Operations Analysis, Corridor Studies, and Coordination with Public Agencies, Presentations at Public Hearings, Planning/Zoning Meetings, and Transportation Advisory Board Meetings.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
	95 th Avenue and Northern- Maricopa County, Arizona	Professional Services June 2013- November 2014	Construction (if applicable) N/A

1.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	<p>The 95th Avenue and Northern Development is a multi-building, mixed –use complex located on the south side of Northern Avenue between 91st Avenue and the Loop 101 Freeway in a non annexed portion of Maricopa County, Arizona. The initial phases of the proposed development will include 365,000 square feet of casino, support buildings and a future hotel. CivTech was retained to provide a stand-alone traffic impact study within multiple jurisdictions requirements such as MCDOT, ADOT, City of Glendale and City of Peoria. The study included data collection, Traffic Counts, Trip Generation, Trip Distribution and Assignment, Capacity Analysis, Traffic Signal Warrant Analysis, and reports. John's specific role was to review the data collected, review preliminary reports, make recommendations, attend meetings, conduct extensive coordination with multiple agencies, and finalize reports for submittal. Recommendations were made for additional through lanes on Northern Avenue, a second north bound left turn lane, and an east bound right turn lane in order to improve LOS for northbound and southbound approaches. Total cost of this project was approximately \$22,450</p>		

2.	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
	Liberty Center, Tempe Arizona	Professional Services May of 2013- August of 2013	Construction (if applicable) N/A

2.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	<p>A traffic impact study was completed in accordance with the requirements of the City of Tempe for the Liberty Center at Rio Salado Development, a development encompassing approximately 76.5 acres primarily west of Priest Drive and North of Rio Salado Parkway. It is planned to provide up to 850,000 square feet of office space and 210,000 square feet of industrial and warehousing. The specific objectives of the study was to compare traffic impacts of the proposed development on the existing intersections, evaluate lane requirements on existing roadways and intersections within the study area, to determine future level of service for all proposed major intersections, recommend any capacity related improvements and evaluate the need for future traffic control changes within the area. John was responsible for review of all studies related, making recommendations, meeting with town agencies and finalizing the report for submittal and approval. Cost of this particular project is approximately \$15,570.00</p>		

3.	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
	Fort McDowell Yavapai Nation Traffic Analysis- Fort McDowell, Arizona	Professional Services March of 2013- Current	Construction (if applicable) N/A



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	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech performed a traffic analysis for FMYN located in northeastern Maricopa County, east of Fountain Hills and North of State Highway 87, for the purpose of evaluating the existing 2013 operational conditions of major intersections within their boundaries. Traffic Volume counts and Capacity Analysis were performed within the study intersections in order to determine acceptable LOS and make recommendations. John was responsible for data collection review, final reports and coordination between the jurisdiction agencies. Total cost of the study is approximately of \$18,210.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
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	(1) TITLE AND LOCATION (<i>City and State</i>) Great Hearts Academy- Gilbert, Arizona	(2) YEAR COMPLETED	
		Professional Services July 2013- November 2013	Construction (if applicable)

4.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech was retained to prepare a Traffic Impact Analysis for the Great Hearts Academy development, located on the southwest corner of Quinn and Inverness Avenue and Baseline Road. The study intersections, analysis years and approach were discussed with the Town of Gilbert Engineer prior to and during the development of the traffic study. Specific objectives were to determine the planned street system in the vicinity of the site is adequate to accommodate the increased traffic that results from the proposed schools and recommend additional street improvements or traffic control devices, where necessary, to mitigate the site-generated traffic. In addition, the study evaluated off-site queuing of vehicles during AM drop offs and PM pick up of students to verify adequacy in queuing provided on site. The report documents a traffic impact and mitigation analysis. Final recommendations and report were submitted to the city. Johns role as lead engineer included the oversight of all data collection, reports, meetings, final report, recommendations and submittal to the Town of Gilbert. Total cost of project is approximately \$28,345.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
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David Duffy P.E Senior Professional Traffic Engineer	b. ROLE IN THIS CONTRACT Civil Engineer/Transportation Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 34	2. WITH CURRENT FIRM 4 years

d. LOCATION (*City and State*) Scottsdale, Arizona

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science in Civil Engineering, NAU 1981	f. PROFESSIONAL TRAINING - REGISTRATIONS <i>Professional Engineer: Arizona (30813)</i>
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

David's unique experience beneficial for the qualifications called for within this RFQ are QA/QC, Corridor Major Investment Studies, Focus Studies, Capacity Analysis, Travel Time and Delay Studies, Traffic Data Review and Analysis, Operations Model Result Reports, Specific Area Operation Assessment, Strategies for Public Involvement Opportunities, Traffic Safety studies, and Identification fo Grant Funding

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>) SR 89A Access Management and Safety Study- Sedona, Arizona	(2) YEAR COMPLETED	
		Professional Services August 2010- November 2010	Construction (if applicable) N/A

1.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech was contracted by the City of Sedona to perform an evaluation which would assist the City with determining the implications of taking back portions of State Route 89A from ADOT jurisdiction. David developed potential recommendations, numerous studies, standards, programs and safety committee correspondence that were reviewed. He analyzed 12 years of crash data along with identifying safety, maintenance, repairs or improvements that were needed along SR 89A in order to meet current minimum highway standards. Countermeasures to resolve pedestrian and bicycle issues, such as medians with pedestrian barriers, enhanced crossings, street lighting and bike lanes were recommended as well as cost saving measures. Final cost of the project was approximately \$22,418.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
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	(1) TITLE AND LOCATION (<i>City and State</i>) ADOT Safety 12-150Bm Inlaid Pavement Markings- Arizona	(2) YEAR COMPLETED	
		Professional Services April 2013- October 2014	Construction (if applicable) N/A

2.	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE One of the goals in the ADOT Safety Highway Plan is to reduce run off crashes by providing visible delineation guidance. IN snow plow areas the pavement markings are damaged and provide reduced visibility to motorists. ADOT Traffic Safety Section decided to investigate inlaid pavement markings to maintain the markings and higher higher retro reflectivity levels during and after winter snow season. As a sub to AECOM, Dave performed the research of several state DOTs and previous research efforts for grooved inlaid pavement markings and reported the findings along with recommendations to the ADOT Traffic Safety Section. CivTech developed a PGP, standard drawings and specifications to enable ADOT Traffic Safety Section to implement and program inlaid marking projects for snow plow areas. Approximate Cost: \$38,283.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
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	(1) TITLE AND LOCATION (<i>City and State</i>) Quail Run Development- Pinal County, Arizona	(2) YEAR COMPLETED	
		Professional Services March of 2013- July 2013	Construction (if applicable) N/A



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<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech was retained to perform a Traffic Impact Analysis for Quail Run, a proposed 273 acre development with 957 planned single family homes located along Hash Knife Draw Road, east of Schnepf Road Garnde, in which the specific objectives were to evaluate lane requirements on all existing roadways and intersections, determine future LOS and recommend any capacity related Improvement as well as the need for future traffic control changes within the study area. CivTech also evaluated the need for deceleration lanes into and for the proposed site access. Existing year 2013, opening year 2015 and horizon year 2020 all were analyzed within this study. Dave was responsible for the analysis and recommendations and final report to the city. Approximate cost was \$13,570.00</p>	<input checked="" type="checkbox"/> Check if project performed with current firm
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<p>(1) TITLE AND LOCATION (<i>City and State</i>) The Cays at Downtown Ocotillo- Chandler, Arizona</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Professional Services</td> <td style="width:50%;">Construction (if applicable)</td> </tr> <tr> <td>November 2013- 12/2013</td> <td>N/A</td> </tr> </table>		Professional Services	Construction (if applicable)	November 2013- 12/2013	N/A
Professional Services	Construction (if applicable)					
November 2013- 12/2013	N/A					

<p>4. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech Inc, had been retained to prepare a parking demand statement for the Cays at Downtown Ocotillo, a proposed multi-family residential development consisting of 278 dwelling units on a 6.78 net acre vacant parcel providing 1.67 parking spaces per dwelling, only 59 spaces less than the "Chandler City Code" requirements. The evaluation was prepared to estimate the parking demand and to confirm parking provided will adequately meet the parking demands on the community. Mr. Duffy analyzed data utilized from the ITE Parking Generation and based conclusions upon specific findings as related to tenant demographics and low/mid rise condominiums average, as well as proximity of multi-modal options. Approximate cost of this project is \$2,800.00</p>	<input checked="" type="checkbox"/> Check if project performed with current firm
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<p>Joe Spadafino P.E, PTOE Senior Traffic/ Transportation Engineer</p>	<p>b. ROLE IN THIS CONTRACT Civil Engineering/Transportation Engineering</p>	<p>c. YEARS EXPERIENCE</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">1. TOTAL 36 years</td> <td style="width:50%;">2. WITH CURRENT FIRM 6 years</td> </tr> </table>		1. TOTAL 36 years	2. WITH CURRENT FIRM 6 years
1. TOTAL 36 years	2. WITH CURRENT FIRM 6 years				

d. LOCATION (*City and State*) Scottsdale, Arizona

<p>e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science in Civil Engineering New Jersey Institute of Technology, 1976</p>	<p>f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer: Arizona (16255) Professional Traffic Operations Engineer (771)</p>
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

Professional Memberships include the Arizona Chapter, Institute of Transportation Engineers. Planning experience is primarily concentrated on Traffic Impact Analysis, Capacity Analysis, Corridor Studies, Change of Access Reports, Master Circulation Studies, Safety Studies, Traffic Signal Warrant Studies, Left Turn Phasing Studies, and Parking Studies

H. RELEVANT PROJECTS

<p>1. (1) TITLE AND LOCATION (<i>City and State</i>) Bella Camino- Pinal County, Arizona</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Professional Services</td> <td style="width:50%;">Construction (if applicable)</td> </tr> <tr> <td>June 2013- June 2014</td> <td>N/A</td> </tr> </table>		Professional Services	Construction (if applicable)	June 2013- June 2014	N/A
Professional Services	Construction (if applicable)					
June 2013- June 2014	N/A					

<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Joe was retained to prepare a preliminary traffic impact analysis for this 83 acre development located at the northwest corner of Gantzel Road and Bella Vista Road. The Bella Camino residential subdivision will include 258 single family dwelling units, and 5.5 net acres of commercial reserved for the immediate corner of the intersection. The preliminary traffic statement is to address the proposed ingress/egress locations and spacing, trip generation for the proposed site, trip distribution including the number of new trips to the adjacent street and compliance with the RSRSM. Joe was since rehired to perform the updated TIA on this project. Total cost was \$14,114.00</p>	<input checked="" type="checkbox"/> Check if project performed with current firm
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<p>(1) TITLE AND LOCATION (<i>City and State</i>) Zanjero Trails Traffic Impact Analysis- Maricopa County, Arizona</p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Professional Services</td> <td style="width:50%;">Construction (if applicable)</td> </tr> <tr> <td>October 2012- 12/2013</td> <td>N/A</td> </tr> </table>		Professional Services	Construction (if applicable)	October 2012- 12/2013	N/A
Professional Services	Construction (if applicable)					
October 2012- 12/2013	N/A					

<p>2. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The current study is to update a previous Traffic Impact Analysis performed by CivTech in 2010 with current compliance regulations for Maricopa Department of Transportation. The specific objectives are to determine the existing levels of service at the study area intersections of Perryville Road and Camelback Road, 188th Avenue and Camelback Road, 190th Drive and Camelback Road, and Perryville Road at Miguel Drive as well as all proposed site accesses to these roads and the internal intersection of 189th Avenue and Missouri Avenue, to determine the trip generation potential of Zanjero Trails Phase 1, and to determine whether the existing street system in the vicinity of the site is adequate to accommodate additional site traffic and to recommend additional street improvements or traffic control devices where necessary to mitigate the site-generated traffic. The total current cost of this study to date is \$4,890.00</p>	<input checked="" type="checkbox"/> Check if project performed with current firm
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Ben Good; P.E PTOE Professional Traffic/Transportation Engineer	b. ROLE IN THIS CONTRACT Civil Engineering/ Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 15 Years	2. WITH CURRENT FIRM 3 years

d. LOCATION (*City and State*) Scottsdale, Arizona

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science in Civil Engineering, ASU, 1996	f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer: Arizona (40976) Professional Traffic Operations Engineer (1434)
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

Operational Analysis, Access Management Plans, Safety Studies, Demand Model Refinement, QA/QC

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Agritopia- Gilbert, Arizona	September 2013- December 2013	N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CivTech Inc was retained to perform the TIA for approximately 34 acres of remaining vacant land and Generations at Agritopia within the Agritopia Master Plan Community, in order to evaluate the operational impacts to the roadway network due to the increased traffic from the proposed development in support of a rezoning application of the subject property to Regional Commercial. Specific objectives of the study were evaluation of lane requirements, determine future level of service and recommend any capacity related improvements, as well as the need for future traffic control changes. Recommendations included the abandoning portions of particular streets that were not necessary for vehicular circulation, and the requirement of a traffic signal at the intersection of Higley Road and Agritopia Loop Road when full build out is completed with a recommendation that it is installed prior to build out. Ben Good was responsible for performing trip generation, reviewing the data collection, conducting the capacity analysis, as well as the traffic signal warrant and Queuing Analysis to come up with the recommendations needed. Cost to date is \$13,900.00		
2.	Liberty Center, Tempe Arizona	May of 2013- August of 2013	N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A traffic impact study was completed in accordance with the requirements of the City of Tempe for the Liberty Center at Rio Salado Development, a development encompassing approximately 76.5 acres primarily west of Priest Drive and North of Rio Salado Parkway. It is planned to provide up to 850,000 square feet of office space and 210,000 square feet of industrial and warehousing. The specific objectives of the study was to compare traffic impacts of the proposed development on the existing intersections, evaluate lane requirements on existing roadways and intersections within the study area, to determine future level of service for all proposed major intersections, recommend any capacity related improvements and evaluate the need for future traffic control changes within the area. John was responsible for review of all studies related, making recommendations, meeting with town agencies and finalizing the report for submittal and approval. Cost of this particular project is \$15, 570.00		
3.	Fort McDowell Yavapai Nation Traffic Analysis- Fort McDowell, Arizona	March of 2013- Current	N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CivTech performed a traffic analysis for FMYN located in northeastern Maricopa County, east of Fountain Hills and North of State Highway 87, for the purpose of evaluating the existing 2013 operational conditions of major intersections within their boundaries. Traffic Volume counts and Capacity Analysis were performed within the study intersections in order to determine acceptable LOS and make recommendations. Ben was responsible for analyzing the data collection and developing recommendations. Total cost of the study to date is approximately \$18,210.00		
4.	Great Hearts Academy- Gilbert, Arizona	July 2013- November 2013	N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CivTech was retained to prepare a Traffic Impact Analysis for the Great Hearts Academy development, located on the southwest corner of Quinn and Inverness Avenue and Baseline Road. The study intersections, analysis years and approach were discussed with the Town of Gilbert Engineer prior to and during the development of the traffic study. Specific objectives were to determine the planned street system in the vicinity of the site is adequate to accommodate the increased traffic that results from the proposed school and recommend additional street improvements or traffic control devices, where necessary, to mitigate the site-generated traffic. In addition, the study evaluated off-site queuing of vehicles during AM drop offs and PM pick up of students to verify adequacy in queuing provided on site. The report documents a traffic impact and mitigation analysis. Final recommendations and		



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report were submitted to the city. Ben performed and analyzed the studies, wrote the preliminary report and made suggestions. Approximate cost of project is: \$28,345.00

Kelly Fletcher P.E. Professional Traffic/ Transportation Engineer	b. ROLE IN THIS CONTRACT Civil Engineering/Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 16 years	2. WITH CURRENT FIRM 3 years

d. LOCATION (*City and State*) Scottsdale, Arizona

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science in Civil Engineering, Purdue University, 1995	f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer: Arizona (40213)
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)
Kelly brings extensive experience in Sub-Area and Community Plans, Focus Studies, Capacity Analysis, Travel Time and Delay Studies, TIA's, Traffic Data Review, Operations Model Result Report, Specific Area Operations Assessments Reports, and QA/QC.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Continental Farms Master Traffic Impact Analysis- Green Valley area Pinal County, Arizona	(2) YEAR COMPLETED	
		Professional Services May of 2012 to March 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech performed a Master Traffic Impact Analysis for Continental Farms, a 21, 095 acre mixed-use project with a study area located along Continental Road, South of White House Canyon Road and West of Camino De La Canoa within Green Valley area of Pima County, Arizona. The primary goal of the study was to determine the magnitude of the travel demand needs and identify roadway classifications and intersection traffic control on a planning level basis. Cost of this project wa \$52,300.00 The scope of work performed by Kelly was QA/QC and the assistance in the review of traffic data.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Sahuarita Farms Master Traffic Impact Analysis- Sahuarita, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2012 to September 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Kelly provided the QA/QC and circulation studies for Sahuarita Farms, a proposed mixed-use development located 1 mile east and west of Nogales Highway from Pima Mine Road to Duval Mine Road with 4.5 million square feet of office, 3.5 million square feet of retail, and 2 million square feet of light industrial and 19,000 residential units designed as a multi-modal community. Elements of the plan include the formulation of master land use and transportation plans, including the identification and recommendations for a future access-controlled parkway corridor through the property that will provide a relief bypass south of Tucson based on a recently completed PARA study and previous RTA studies. The approximate cost of the project was \$138,300	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Juniper Point Traffic Impact Analysis- Flagstaff, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2008-current	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Juniper Point is a mixed use master planned development consisting of low, medium and high density residential, commercial, employment, municipal and park land uses, located south of I-40, north of John Wesley Powell Boulevard and East of Lone Tree Road and includes approximately 320 acres of undeveloped land. The purpose of this study is to address traffic and transportation impacts of the proposed development on the surrounding streets and intersections. Kelly's specific role in this project was traffic data review, and travel time and delay studies. Approximate cost is \$241,939.00 to date.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Hopi Tribe Economic Development Council Transportation Feasibility and Land Assessment- Flagstaff, Arizona	(2) YEAR COMPLETED	
		Professional Services March 2013-current	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech was retained as the transportation consultant to help with the site selection for early, mid and long term economic development on approximately 40,000 acres of new lands purchased by the Hopi Tribe along the I-40 corridor between Flagstaff and Holbrook. The assessment evaluated the existing transportation infrastructure, including transit potential and future needs to support several development types. The results of the evaluation were provided in a matrix format to visually depict the type and density of development relative to the required improvement costs. The result was the narrowing of many potential development sites to 5 that could be developed in the near term. Kelly is responsible for the QA/QC of this project. Cost of the project to date is approximately \$25,175.00	<input checked="" type="checkbox"/> Check if project performed with current firm	



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Doug Ostler, Engineer in Training Analyst/Technician	b. ROLE IN THIS CONTRACT Civil Engineering, transportation engineering	c. YEARS EXPERIENCE	
		1. TOTAL 3 years	2. WITH CURRENT FIRM 3 years
d. LOCATION (City and State) Scottsdale, Arizona CivTech Inc. Scottsdale, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Masters of Science in Civil Engineering, ASU 2013 Bachelor of Science in Civil Engineering, ASU 2012		f. PROFESSIONAL TRAINING - REGISTRATIONS Engineer in Training: Arizona (11451)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

Doug Ostler's Experience Includes Focus Studies, Capacity Analysis, Travel Time and Delay Studies, Traffic Impact from New Land Use, Traffic Data Review and Analysis, Operations Model Reports, and Transmodeler

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) 95th Avenue and Northern, Maricopa County, Arizona	(2) YEAR COMPLETED	
		Professional Services June 2013- November 2014	Construction (if applicable) N/A
1.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 95th Avenue and Northern Development is a multi-building, mixed –use complex located on the south side of Northern Avenue between 91st Avenue and the Loop 101 Freeway in a non annexed portion of Maricopa County, Arizona. The initial phases of the proposed development will include 365,000 square feet of casino, support buildings and a future hotel. CivTech was retained to provide a stand-alone traffic impact study within multiple jurisdictions requirements such as MCDOT, ADOT, City of Glendale and City of Peoria. Doug's role in the study was assistance in data collection, Traffic Counts, Trip Generation, Trip Distribution and Assignment, Capacity Analysis, Traffic Signal Warrant Analysis, and preliminary report composition. Recommendations were made for additional through lanes on Northern Avenue, a second north bound left turn lane, and an east bound right turn lane in order to improve LOS for northbound and southbound approaches. Total cost of this project was approximately \$22,470.00.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State) Liberty Center, Tempe Arizona	(2) YEAR COMPLETED	
		Professional Services May of 2013- August of 2013	Construction (if applicable) N/A
2.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A traffic impact analysis was completed in accordance with the requirements of the City of Tempe for the Liberty Center at Rio Salado Development, a development encompassing approximately 76.5 acres primarily west of Priest Drive and North of Rio Salado Parkway. It is planned to provide up to 850,000 square feet of office space and 210,000 square feet of industrial and warehousing. The specific objectives of the study was to compare traffic impacts of the proposed development on the existing intersections, evaluate lane requirements on existing roadways and intersections within the study area, to determine future level of service for all proposed major intersections, recommend any capacity related improvements and evaluate the need for future traffic control changes within the area. Doug's specific role consisted of capacity analysis, trip generation, traffic demand modeling, and traffic signal analysis. Approximate cost of this particular project to date is \$15,570.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State) Fort McDowell Yavapai Nation Traffic Analysis- Fort McDowell, Arizona	(2) YEAR COMPLETED	
		Professional Services March of 2013- current	Construction (if applicable)
3.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE CivTech performed a traffic analysis for FMYN located in northeastern Maricopa County, east of Fountain Hills and North of State Highway 87, for the purpose of evaluating the existing operational conditions and future operational conditions of major intersections within their boundaries after planned expansion of the casino. Doug analyzed Traffic Volume counts and Capacity within the study intersections in order to determine an acceptable circulation plan. Total cost of the study is approximately \$21,290.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
	(1) TITLE AND LOCATION (City and State) Great Hearts Academy- Gilbert, Arizona	(2) YEAR COMPLETED	
		Professional Services July 2013- November 2013	Construction (if applicable)
4.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE CivTech was retained to prepare a Traffic Impact Analysis for the Great Hearts Academy development, located on the southwest corner of Quinn and Inverness Avenue and Baseline Road. Coordination with the Town of Gilbert Engineer regarding the Town developed synchro modeling was implemental in ensuring that traffic conditions were properly mitigated with future town improvements on Baseline. Specific objectives were to determine the planned street system in the vicinity of the site is adequate to accommodate the increased traffic that results from the proposed schools and recommend additional street improvements or traffic control devices, where necessary, to mitigate the site-generated traffic. In addition, the study evaluated off-site queuing of vehicles during AM drop offs and PM pick up of students to verify adequacy in queuing provided on site. The report documents a traffic impact and mitigation analysis. Final recommendations and report were submitted to the city. Doug analyzed the data collection, prepared the intersect roadway capacity, and traffic signal warrant. Total cost of project was approximately \$15,725.00	<input checked="" type="checkbox"/> Check if project performed with current firm	



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Ruth Gutierrez Technician/Analyst	b. ROLE IN THIS CONTRACT Transportation Engineering/Civil Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 9 years	2. WITH CURRENT FIRM 9 years
d. LOCATION (<i>City and State</i>) CivTech Inc. Scottsdale, Arizona			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Currently Majoring in Civil Engineering at ASU		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) Ruth's experience consists of Traffic Micro-simulation, Travel Demand Modeling and Traffic Impact Analysis, Traffic Speed Limit Studies and Reports, Prepares and Analyzes the Datat Input Values for Modeling			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Continental Farms Master Traffic Impact Analysis- Green Valley area Pinal County, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2012-March 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Continental Farms is a 21, 095 acre mixed-use project with a study area located along Continental Road, South of White House Canyon Road and West of Camino De La Canoa within Green Valley area of Pima County, Arizona. The primary goal of the study is to determine the magnitude of the travel demand needs and identify roadway classifications and intersection traffic control on a planning level basis. Ruth's specific role in this project is to provide the trip generation analysis based on ITE rates, roadway capacity analysis Cost of the project was \$52,300.00.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Sahuarita Farms Master Traffic Impact Analysis- Sahuarita, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2012 –September 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE CivTech was hired as part of a multi-disciplinary team of planning, environmental, engineering and public outreach consultants for consideration of a long-range master plan on rural agricultural lands to perform transportation planning and traffic engineering services for Sahuarita Farms, a proposed mixed-use development located 1 mile east and west of Nogales Highway from Pima Mine Road to Duval Mine Road with 4.5 million square feet of office, 3.5 million square feet of retail, and 2 million square feet of light industrial and 19,000 residential units designed as a multi-modal community. Elements of the plan include the formulation of master land use and transportation plans, including the identification and recommendations for a future access-controlled parkway corridor through the property that will provide a relief bypass south of Tucson based on a recently completed PARA study and previous RTA studies. Ruth generated the trip generation and external TAZ information within the Sahuarita Farms TransCAD model. The cost of the project was \$134,000.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Juniper Point Traffic Impact Analysis, Flagstaff, Arizona	(2) YEAR COMPLETED	
		Professional Services January 2008- current	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Juniper Point is a mixed use master planned development consisting of low, medium and high density residential, commercial, employment, municipal and park land uses, located south of I-40, north of John Wesley Powell Boulevard and East of Lone Tree Road and includes approximately 320 acres of undeveloped land. The purpose of this study is to address traffic and transportation impacts of the proposed development on the surrounding streets and intersections. Ruth Gutierrez conducted the trip generation analysis per ITE, Trip distribution analysis per FMPO, research growth rate models taken from the FMPD and TransCAD model. Approximate cost to date is \$241,939.00	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) 95th Avenue and Northern Traffic Impact Analysis	(2) YEAR COMPLETED	
		Professional Services June 2013-November 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The 95th Avenue and Northern Development is a multi-building, mixed –use complex located on the south side of Northern Avenue between 91st Avenue and the Loop 101 Freeway in a non annexed portion of Maricopa County, Arizona. The initial phases of the proposed development will include 365,000 square feet of casino, support buildings and a future hotel. CivTech was retained to provide a stand-alone traffic impact study within multiple jurisdictions requirements such as MCDOT, ADOT, City of Glendale and City of Peoria. The study included data collection, Traffic Counts, Trip Generation, Trip Distribution and Assignment, Capacity Analysis, Traffic Signal Warrant Analysis, and reports. Ruth's specific role was trip generation analysis per ITE, trip distribution analysis per the 20130 socioeconomic data, Intersection Capacity Analysis, and report write-up of findings. Approximate cost of this project was \$22, 470.00	<input checked="" type="checkbox"/> Check if project performed with current firm	



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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i> Juniper Point Development Master Plan Traffic Impact Analysis, Flagstaff AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES January 2008- Current	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER PBH Flagstaff Holdings Al Shillinger 480-443-3526	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$241,939.00	e. TOTAL COST OF PROJECT \$241,939.00
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Juniper Point is a proposed master planned development encompassing approximately 300 acres south of Interstate 40, north of John Wesley Powell Boulevard, and east of the new Lone Tree Road alignment. This was the first true traditional neighborhood design (TND) development to test the City's newly developed TND standards. The development will include more than 1,600 residential dwelling units, 30,000 square feet of commercial, 40,000 square feet of office space, as well as municipal land uses and parks. The proposed development has the potential to generate 11,290 daily external trips. This includes reductions for mode transfer related to TND, interaction internal to the development, and due to the number of second homes anticipated within the development. This project, which incorporated Form Based Code, required a multimodal and creative design approach to accurately predict future traffic volumes generated externally to the site. Both traditional trip generation and traffic models provided by the Flagstaff Metropolitan Planning Organization (FMPO) were used to establish the project impacts and meet the requirements for the Regional Plan amendment. Using both methods serves as a validation and check of projected traffic, levels of services, and total estimated impact. Roadway segment analysis and comparison to the FMPO model results was completed for 2004 and build-out. Intersection analysis was completed for the 2010, 2015, and 2025 horizon years.

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

b. TITLE AND LOCATION <i>(City and State)</i> JWP Extension Alignment Study- Flagstaff, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES February 2010- February 2013	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Flagstaff, Community Development Department Jim Cronk (928) 779-7632 Ext. 7238	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$27,500.00	e. TOTAL COST OF PROJECT \$27,500.00
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g. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

CivTech investigated options for alternate street alignments and connections for the JWP Extension from the Pine Canyon Area to Fourth Street in Flagstaff, Arizona. This project included more than thirty land owners including the City, ASLD, Forest Service and private property. CivTech evaluated four alignment options after walking the area to determine where the terrain would be a fatal flaw. Ongoing meetings occurred monthly and a preferred alternative was approached for the City to carry forward with support of all land owners to City Council for approval. The project began when a need for secondary access was required of the Juniper Point development, a proposed master planned development encompassing approximately 300 acres south of Interstate 40, north of John Wesley Powell Boulevard, and east of the new Lone Tree Road alignment. This was the first true traditional neighborhood design (TND) development to test the City's newly developed TND standards. The development will include more than 1,600 residential dwelling units, 30,000 square feet of commercial, 40,000 square feet of office space, as well as municipal land uses and parks. The proposed development has the potential to generate 11,290 daily external trips. This includes reductions for mode transfer related to TND, interaction internal to the development, and due to the number of second homes anticipated within the development. This project, which incorporated Form Based Code, required a multimodal and creative design approach to accurately predict future traffic volumes generated externally to the site. The City of Flagstaff provided an existing TransCAD model for our adjustment and evaluation of the street network to establish the project impacts and meet the requirements for the Regional Plan amendment. In addition to the traffic engineering services provided, CivTech attended numerous public meetings for the project. CivTech was instrumental in the coordination effort between the City of Flagstaff, Flagstaff Municipal Planning Organization, Arizona Department of Transportation, and Coconino County during the planning process.



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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

c. TITLE AND LOCATION <i>(City and State)</i> State Farm Traffic Operations Analysis with the Impacts of Street Cars vs. LRT- Tempe, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES January 2013- March 2013	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER State Farm Mutual Automobile Insurance Co. JR Alexander, PE Corporate Properties Specialist II (309) 766-1124	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$7,300.00	d. TOTAL COST OF PROJECT \$7,300.00
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h. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The Marina Heights development is located on the northwest corner of Rural Road/Rio Salado Parkway in Section 15 of Township 1 North, Range 4 East, within Tempe, Arizona. The site lies north of Rio Salado Parkway, south of Tempe Town Lake, west of Rural Road and east of the Oliver McMillan property. The Marina Heights development is planned to provide 66,098 square feet of retail use, 2,015,129 square feet of office space and a 300 room hotel with conference, including the ASU property. Concerted effort between ASU, Sunbelt Holdings, Ryan Companies and the City of Tempe was conducted. Evaluation of multi-modal opportunities and likely vehicle reduction on the street and impacts to the side streets from center running LRT or side running street car. Other traffic reduction policies were also looked at such as carpooling and the effect of subsidized bus passes to employees. Contract Relevance: Transportation Planning

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

e. TITLE AND LOCATION <i>(City and State)</i> Hopi Tribe Economic Development Council Transportation Feasibility and Land Assessment	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES March 2013- Current	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER Coe & Van Loo Kathleen Fitzpatrick (602) 264-6831	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$30,500	f. TOTAL COST OF PROJECT \$25,175.00
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i. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

CivTech was retained as the transportation consultant to help with site selection for early, mid and long term economic development on approximately 40,000 acres of new lands purchased by the Hopi Tribe along the I-40 corridor between Flagstaff and Holbrook. The assessment evaluated the existing transportation infrastructure, including transit potential and future needs to support several development types. The results of the evaluation were provided in a matrix format to visually depict the type and density of development relative to the required improvement costs. The result was the narrowing of many potential development sites to 5 that could be developed in the near term.

5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present no more than five (5) projects. Complete one Section 5 for each project.)

g. TITLE AND LOCATION <i>(City and State)</i> Rivulon- Gilbert, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES January 2013 –May 2013	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION



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c .PROJECT OWNER Nationwide Realty Investors Jim Rost (614) 857-2332	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$162,000.00	e. TOTAL COST OF PROJECT \$161,450.00
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j. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

This is a 275 acre mixed-use development bordered by SR Loop 202, Gilbert Road, Pecos Road, and Lindsay Road and includes 1.6 million square feet of office space, 593,200 square feet of retail, 350 apartment units, and a 300 room hotel. CivTech was responsible for analysis and documentation of several roadway network and development scenarios (i.e. a potential frontage road, a future partial/full interchange and varying densities) in February of 2008. Since, CivTech had been retained again by Nationwide Realty Investors to prepare a preliminary traffic impact analysis for the same proposed mixed-use development for the purpose of determining the roadway network that would be necessary to accommodate the density that both the developer and the Town envision for the property. The full traffic impact analysis (TIA) will include the entire study area required to meet Town of Gilbert standards; however, for purposes of the preliminary evaluation of the various roadway network scenarios, the limited study area includes only adjacent intersections and major access points. The horizon year for this preliminary analysis is 2030, which is consistent with the requirements for the full TIA.



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At CivTech Inc., Competence is Proven!

Our unique qualifications to work with the State Land Department are proven by our direct experience in a multitude of detailed planning studies involving design concepts, freeway and interchange design, corridor planning analysis and transit/multi-modal projects through-out Arizona on behalf of private developers plus public entities such as the Arizona State Land Department:

- ASLD Crossroads East Transportation Area Plan

CivTech prepared a Master Transportation Plan for the Crossroads East area, a high profile project for both the ASLD and City of Scottsdale. To maximize the land value, the ASLD proposed a mixed use development containing multi-family (R-5) zoning, central business (C-2) zoning, commercial/office (C-O) zoning, planned community center (PCC) zoning, planned convenience center (PCoC) zoning, planned regional center (mixed use)(PRC) zoning and industrial park (I-1) zoning. The project involved iterative evaluations along the Loop 101 to determine the mitigation requirements along the ADOT corridor with the increased development potential of the site. Coordination with surrounding jurisdictions including the City of Phoenix, ADOT and the City of Scottsdale were instrumental in developing recommendations that all agencies were willing to implement.

- South Biscuit Flats

CivTech Prepared identification of roadways including classification of roadways, proposed cross-section and proposed roadway alignments within a total of 14.69 square miles (slightly less than 9,402 acres) developed into residential communities, apartments, business parks, industrial parks, and retail uses, representing approximately 65%-70% of the area identified by the ASLD as "South Biscuit Flats" and Prepared a master street plan based on existing and planned arterial roadway network in the vicinity and the specific needs of those roadways so that infrastructure could be priced. Coordinated with City of Phoenix, the Arizona Department of Transportation and the Arizona State Land Department to determine appropriate roadway alignments based on previous studies in the vicinity.

- Palisene Traffic Impact Analysis

CivTech completed a traffic impact analysis for the Palisene development requiring submittal to the Arizona State Land Department and the City of Phoenix for approval. Continual coordination with ASLD, the City of Phoenix, the City of Scottsdale and our Client occurred throughout the project duration. CivTech was then responsible for updating the TIA per the revised master street plan. Tasks included updating the traffic assessment to reflect the changes in the Collector Road alignments, updating surrounding land uses per changes in zoning categories and densities, updating the intersection analyses and turn lane analyses per the revised traffic assignment, revising the graphics and the text. This project demonstrates CivTech's ability to coordinate extensively with multiple public agencies to address all concerns needed for final approval of the project.

More Examples of CivTech's Coordination with the Arizona State Land Department

- Villagio Montana, Flagstaff
- Juniper Point, Flagstaff
- Alloravita, Peoria
- Tusol, Peoria
- The Current Super Block 7, Phoenix
- JWP Extension Alignment Study- Flagstaff

CivTech's Promise

We understand that our client's confidence in decision making rests upon the reliability of the information we provide; therefore, we continuously work to improve the quality of the work we do and the efficiency with which we do it. Our QA/QC program involves careful planning, monitoring, and evaluation throughout the project, as well as integrating technology and sound management techniques, in order to provide a service and deliver a product that is well above industry standard.



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7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a. Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	45%
b. Percentage of Total Work Attributable to Non-Government Work:	55%

8. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.

Signature:  Date: 12/29/2014

Name: Dawn Cartier Title: President