

**RFQ# ADSPO14-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

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

**1. REVISED ADSPO13-00003465: Annual Request for Qualifications**

a.	FIRM (OR BRANCH OFFICE) NAME:	M3 Engineering & Technology Corporation
b.	FIRM (OR BRANCH OFFICE) STREET:	2051 W. Sunset Road, Suite 101
c.	FIRM (OR BRANCH OFFICE) CITY:	Tucson
d.	FIRM (OR BRANCH OFFICE) STATE:	AZ
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85704
f.	YEAR ESTABLISHED:	1986
(g1).	OWNERSHIP - TYPE:	Corporation
(g2)	OWNERSHIP - SMALL BUSINESS STATUS:	N/A
h.	POINT OF CONTACT NAME AND TITLE:	Ruben Sibayan, Assistant Vice President
i.	POINT OF CONTACT TELEPHONE NUMBER:	520-293-1488 ext. 8603
j.	POINT OF CONTACT E-MAIL ADDRESS:	rsibayan@m3eng.com
k.	NAME OF FIRM (If block 1a is a branch office):	

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

**2. EMPLOYEES BY DISCIPLINE**

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Architect	P	21	6
CADD Technicians	P	101	49
Civil Engineer	P	13	2
Construction Inspector	P	12	1
Construction Manager	P	4	1
Cost Engineer/Estimator	P	5	
Electrical Engineer	P	35	11
Environmental Engineer	P	1	
Mechanical Engineer	P	37	21
Mining Engineer	P	3	2
Structural Engineer	P	23	14
Geologist	S	2	
Other	P	141	8
<b>Total</b>		398	115

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**3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR**

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number (see below)
2	Bridges	1
24	Construction Management	9
1	Commercial Building (low rise)	4
1	Communications Systems; TV; Microwave	1
2	Community Facilities	4
3	Cost Estimating; Cost Engineering and Analysis	4
2	Educational Facilities; Classrooms	1
13	Electrical Studies and Design	2
1	Environmental Impact Studies, Assessments or	1
1	Garages; Vehicles Maintenance Facilities; Parking	1
1	Highways; Streets; Airfield Paving; Parking Lots	1
12	Housing (Residential)	1
18	Industrial Buildings; Manufacturing Plants	3
1	Industrial Processes; Quality Control	1
16	Infrastructure	6
5	Labs – General	1
5	Materials Handling Systems; Conveyors; Sorters	7
31	Mining and Mineralogy	10
3	Museums	3
1	Office Buildings; Industrial Parks	1
1	Petroleum and Fuel (Storage and Distribution)	1
1	Recreation Facilities	1
1	Research Facilities	1
12	Structural Design; Special Structures	1
2	Storm Water Handling and Facilities	1
8	Water Well Rehabilitation; Water Well Work	2
1	Water Supply; Treatment and Distribution	1

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

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

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME Ruben Sibayan	b. ROLE IN THIS CONTRACT Architect – Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 33	2. WITH CURRENT FIRM 20
c. FIRM NAME AND LOCATION (City and State) M3 Engineering & Technology – Tucson, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Architect – Arizona, Hawaii	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Institute of Architects Accredited Professional, Leadership in Energy and Environmental Design (LEED)			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) Precision Toyota of Tucson – Tucson, Arizona	(2) Year Completed:	
		Professional Services 2013	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
Design of auto-dealership campus facility which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a new state-of-the-art vehicle maintenance facility, new car sales and display and car washing facilities. 128,000 sf. • \$18,000,000 estimated • Project Manager and Project Architect			
2	(1) TITLE AND LOCATION (City and State) Catalina Community Center Complex – Tucson, Arizona	(2) Year Completed	
		Professional Services 2008	Construction (if applicable) 2010
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
M3 provided architectural, civil, structural, mechanical and electrical engineering services from schematic design through construction for this project. This one-story building provides space for public services including a food bank and health clinic as well as offices for CCS staff as well as other public service agencies. 4,958 gsf. • \$1,045,500 • Project Manager and Project Architect			
3	(1) TITLE AND LOCATION (City and State) University of Arizona Hazardous Waste Facility – Tucson, Arizona	(2) Year Completed	
		Professional Services 2008	Construction (if applicable) 2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Project Manager and Project Architect			
4	(1) TITLE AND LOCATION (City and State) Riverside Crossing Corporate Center – Tucson, Arizona	(2) Year Completed	
		Professional Services 2007	Construction (if applicable) 2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 88,000 sf. • \$14,000,000 • Project Architect			
5	(1) TITLE AND LOCATION (City and State) TAA Maintenance Facility & Warehouse – Tucson, Arizona	(2) Year Completed	
		Professional Services 2006	Construction (if applicable) 2008
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
M3 provided architectural and engineering services for these new facilities for airport maintenance functions including vehicle maintenance, maintenance shops, grounds maintenance and expanded warehousing. 43,000 sf. • \$7,100,000 • Project Manager			

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Walter Boughan</b>	b. ROLE IN THIS CONTRACT <b>Mechanical / Piping Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>20</b>	2. WITH CURRENT FIRM <b>15</b>
c. FIRM NAME AND LOCATION (City and State) <b>M3 Engineering &amp; Technology – Tucson, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Master of Science, Computer Information Systems Bachelor of Science, Mechanical Engineering</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Mechanical Engineer – Arizona</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) <b>Precision Toyota of Tucson – Tucson, Arizona</b>	(2) Year Completed:	
		Professional Services <b>2013</b>	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>Design of auto-dealership campus facility which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a new state-of-the-art vehicle maintenance facility, new car sales and display and car washing facilities. 128,000 sf. • \$18,000,000 estimated • Mechanical Engineer of Record</b>			
2	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Student Rec Center – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>M3 provided A/E services for this student recreation center expansion. This is an expansion to an existing building that addresses university Master Plan and urban infill issues including a major utilities extension network of tunnels. This was the first LEED Platinum certified building on campus. 55,000 sf. • \$27,300,000 • Mechanical Engineer</b>			
3	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Hazardous Waste Facility – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Mechanical Engineer of Record</b>			
4	(1) TITLE AND LOCATION (City and State) <b>University of Arizona North End Zone Stadium – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>M3 teamed with Heery International for the design of the North End Zone Stadium Addition. M3 provided mechanical/plumbing, civil and electrical engineering support as well as full-service Construction Administration. 184,000 gsf. • \$59,743,000 • Mechanical Engineer of Record</b>			
5	(1) TITLE AND LOCATION (City and State) <b>TAA Maintenance Facility &amp; Warehouse – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2008</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 43,000 sf. • \$14,000,000 • Mechanical Engineer of Record</b>			

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Steven Dawe</b>	b. ROLE IN THIS CONTRACT <b>Architect</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>30</b>	2. WITH CURRENT FIRM <b>7</b>
c. FIRM NAME AND LOCATION (City and State) <b>M3 Engineering &amp; Technology – Tucson, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Architecture</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Architect - Arizona, California</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>American Institute of Architects USGBC</b>			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Student Rec Center – Tucson, Arizona</b>	(2) Year Completed:	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided A/E services for this student recreation center expansion. This is an expansion to an existing building that addresses university Master Plan and urban infill issues including a major utilities extension network of tunnels. This was the first LEED Platinum certified building on campus. 55,000 sf. • \$27,300,000 • Project Architect</b>		
2	(1) TITLE AND LOCATION (City and State) <b>University of Arizona North End Zone Stadium – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 teamed with Heery International for the design of the North End Zone Stadium Addition. M3 provided mechanical/plumbing, civil and electrical engineering support as well as full-service Construction Administration. 184,000 gsf • \$59,743,000 • Project Manager</b>		
3	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Old Main Renovation – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2008</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural and engineering services for this renovation. The project required complete renovation of the first floor to accommodate new program. 21,400 sf. • \$3,200,000 • Project Architect</b>		
4	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Yuma Agriculture Center - Yuma, Arizona</b>	(2) Year Completed	
		Professional Services <b>2007</b>	Construction (if applicable) <b>2008</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architecture and engineering services to significantly upgrade the research and outreach capabilities of the UofA. The design of the Yuma Agriculture Center is organized to provide efficient use of laboratory space and regularization of building systems that will serve both the current programmatic needs and allow for ease of maintenance, while providing future flexibility in adapting to changes in laboratory use. 19,9000 sf • \$5,000,000 • Project Architect</b>		
5	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Biosphere II Landscape Evolution Observatory – Oracle, Arizona</b>	(2) Year Completed	
		Professional Services <b>2010</b>	Construction (if applicable) <b>2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided A/E for this Lysimeter that studies the interaction of the environmental elements, on three full-size-scale hillslopes. Hillslopes are constructed of large steel planting tray structures, built inside an existing large space-framed greenhouse, previously used for intensive agriculture, and anchored over an existing elevated concrete floor structure. 11,400 sf. • \$5,000,000 • Architect</b>		

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME  Enrico Laos	b. ROLE IN THIS CONTRACT  Electrical Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 31	2. WITH CURRENT FIRM 12
c. FIRM NAME AND LOCATION (City and State) M3 Engineering & Technology – Tucson, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science, Electrical Engineer		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Electrical Engineer - Arizona, Alabama, Alaska, California, Hawaii, Idaho, Kentucky, Minnesota, Nevada, New Mexico, New York, Oregon, South Carolina, Texas, Washington	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) NCEES Council Record IEEE Member			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) Precision Toyota of Tucson – Tucson, Arizona	(2) Year Completed:	
		Professional Services 2013	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm Design of auto-dealership campus facility which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a new state-of-the-art vehicle maintenance facility, new car sales and display and car washing facilities. 128,000 sf. • \$18,000,000 estimated • Electrical Engineer of Record		
2	(1) TITLE AND LOCATION (City and State) Catalina Community Center Complex – Tucson, Arizona	(2) Year Completed	
		Professional Services 2008	Construction (if applicable) 2010
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm M3 provided architectural, civil, structural, mechanical and electrical engineering services from schematic design through construction for this project. This one-story building provides space for public services including a food bank and health clinic as well as offices for CCS staff as well as other public service agencies. 4,958 gsf. • \$1,045,500 • Electrical Engineer of Record		
3	(1) TITLE AND LOCATION (City and State) University of Arizona Hazardous Waste Facility – Tucson, Arizona	(2) Year Completed	
		Professional Services 2008	Construction (if applicable) 2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Electrical Engineer of Record		
4	(1) TITLE AND LOCATION (City and State) Riverside Crossing Corporate Center – Tucson, Arizona	(2) Year Completed	
		Professional Services 2007	Construction (if applicable) 2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 88,000 sf. • \$14,000,000 • Electrical Engineer of Record		
5	(1) TITLE AND LOCATION (City and State) TAA Maintenance Facility & Warehouse – Tucson, Arizona	(2) Year Completed	
		Professional Services 2006	Construction (if applicable) 2008
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 43,000 sf. • \$14,000,000 • Electrical Engineer of Record		

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Harry Lewsley</b>	b. ROLE IN THIS CONTRACT <b>Structural Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>40</b>	2. WITH CURRENT FIRM <b>21</b>
c. FIRM NAME AND LOCATION (City and State) <b>M3 Engineering &amp; Technology – Tucson, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Master of Science, Civil Engineering Bachelor of Science, Civil Engineering</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Structural Engineer - Arizona, Hawaii, Kentucky, Oregon, South Carolina, Washington DC Professional Engineer - Florida, Indiana, Kansas, Maryland, New Mexico, Oklahoma, South Dakota, Tennessee, Texas</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Past President of Structural Engineers Association of Arizona (Tucson Chapter)</b>			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) <b>Precision Toyota of Tucson – Tucson, Arizona</b>	(2) Year Completed:	
		Professional Services <b>2013</b>	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>Design of auto-dealership campus facility which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a new state-of-the-art vehicle maintenance facility, new car sales and display and car washing facilities. 128,000 sf. • \$18,000,000 estimated • Structural Engineer of Record</b>		
2	(1) TITLE AND LOCATION (City and State) <b>Catalina Community Center Complex – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2010</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural, civil, structural, mechanical and electrical engineering services from schematic design through construction for this project. This one-story building provides space for public services including a food bank and health clinic as well as offices for CCS staff as well as other public service agencies. 4,958 gsf. • \$1,045,500 • Structural Engineer of Record</b>		
3	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Hazardous Waste Facility – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Structural Engineer of Record</b>		
4	(1) TITLE AND LOCATION (City and State) <b>Riverside Crossing Corporate Center – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2007</b>	Construction (if applicable) <b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 88,000 sf. • \$14,000,000 • Structural Engineer of Record</b>		
5	(1) TITLE AND LOCATION (City and State) <b>TAA Maintenance Facility &amp; Warehouse – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2008</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 43,000 sf. • \$14,000,000 • Structural Engineer of Record</b>		

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Dennis Mulligan</b>	b. ROLE IN THIS CONTRACT <b>Architect</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>41</b>	2. WITH CURRENT FIRM <b>25</b>
c. FIRM NAME AND LOCATION (City and State) <b>M3 Engineering &amp; Technology – Tucson, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Architecture Associates, Construction Technology</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Architect - Arizona, California, Hawaii, Illinois, Nevada, New Mexico, Oklahoma, Colorado, South Carolina, Texas</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>American Institute of Architects Phi Kappa Phi Honorary Society National Trust for Historic Preservation Accredited Professional, Leadership in Energy and Environmental Design (LEED)</b>			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) <b>Precision Toyota of Tucson – Tucson, Arizona</b>	(2) Year Completed:	
		Professional Services <b>2013</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Design of auto-dealership campus facility which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a new state-of-the-art vehicle maintenance facility, new car sales and display and car washing facilities. 128,000 sf. • \$18,000,000 estimated • Principal in Charge</b>		
2	(1) TITLE AND LOCATION (City and State) <b>Catalina Community Center Complex – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural, civil, structural, mechanical and electrical engineering services from schematic design through construction for this project. This one-story building provides space for public services including a food bank and health clinic as well as offices for CCS staff as well as other public service agencies. 4,958 gsf. • \$1,045,500 • Principal in Charge</b>		
3	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Hazardous Waste Facility – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Principal in Charge</b>		
4	(1) TITLE AND LOCATION (City and State) <b>Riverside Crossing Corporate Center – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2007</b>	Construction (if applicable) <b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 88,000 sf. • \$14,000,000 • Principal in Charge</b>		
5	(1) TITLE AND LOCATION (City and State) <b>TAA Maintenance Facility &amp; Warehouse – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2008</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 designed and constructed its own two-story corporate office building to have multiple environmental, economic and health benefits. The building achieved a LEED silver rating for interiors. 43,000 sf. • \$14,000,000 • Principal in Charge</b>		

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Allan Ortego-Gutierrez</b>	b. ROLE IN THIS CONTRACT <b>Structural Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>20</b>	2. WITH CURRENT FIRM <b>6</b>
c. FIRM NAME AND LOCATION (City and State) <b>M3 Engineering &amp; Technology – Tucson, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Master of Science, Civil Engineering Bachelor of Science, Civil Engineering</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Structural Engineer - Arizona Civil Engineer - California, Mexico</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Structural Engineers Association of Arizona American Institute of Steel Construction Engineers Without Borders</b>			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Student Rec Center Expansion – Tucson, Arizona</b>	(2) Year Completed:	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided A/E services for this student recreation center expansion. This is an expansion to an existing building that addresses university Master Plan and urban infill issues including a major utilities extension network of tunnels. This was the first LEED Platinum certified building on campus. 55,000 sf. • \$27,300,000 • Project Structural Engineer</b>		
2	(1) TITLE AND LOCATION (City and State) <b>Catalina Community Center Complex – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2010</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural, civil, structural, mechanical and electrical engineering services from schematic design through construction for this project. This one-story building provides space for public services including a food bank and health clinic as well as offices for CCS staff as well as other public service agencies. 4,958 gsf. • \$1,045,500 • Project Structural Engineer</b>		
3	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Hazardous Waste Facility – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Project Structural Engineer</b>		
4	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Biosphere II Landscape Evolution Observatory – Oracle, Arizona</b>	(2) Year Completed	
		Professional Services <b>2010</b>	Construction (if applicable) <b>2012</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided A/E for this Lysimeter that studies the interaction of the environmental elements, on three full-size-scale hillslopes. Hillslopes are constructed of large steel planting tray structures, built inside an existing large space-framed greenhouse, previously used for intensive agriculture, and anchored over an existing elevated concrete floor structure. 11,400 sf. • \$5,000,000 • Project Structural Engineer</b>		
5	(1) TITLE AND LOCATION (City and State) <b>Pima Air and Space Museum – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2005</b>	Construction (if applicable) <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>New exhibition hangar for display of vintage aircraft, retail and food service facilities for expansion of Pima Air and Space Museum. 47,000 sf. • \$3,300,000 • Project Structural Engineer</b>		

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT** (Complete one Section 4 for each key person.)

a. NAME <b>Ronald Russell</b>	b. ROLE IN THIS CONTRACT <b>Mechanical Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>20</b>	2. WITH CURRENT FIRM <b>8</b>
c. FIRM NAME AND LOCATION (City and State) <b>M3 Engineering &amp; Technology – Tucson, Arizona</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Mechanical Engineering</b>		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Mechanical Engineer - Arizona, Utah Professional Engineer - New Mexico</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) ASPE (American Society of Plumbing Engineers)</b>			

**H. RELEVANT PROJECTS**

1	(1) TITLE AND LOCATION (City and State) <b>Precision Toyota of Tucson – Tucson, Arizona</b>	(2) Year Completed:	
		Professional Services <b>2013</b>	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>Design of auto-dealership campus facility which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a new state-of-the-art vehicle maintenance facility, new car sales and display and car washing facilities. 128,000 sf. • \$18,000,000 estimated • Project Plumbing Engineer</b>		
2	(1) TITLE AND LOCATION (City and State) <b>Catalina Community Center Complex – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2010</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural, civil, structural, mechanical and electrical engineering services from schematic design through construction for this project. This one-story building provides space for public services including a food bank and health clinic as well as offices for CCS staff as well as other public service agencies. 4,958 gsf. • \$1,045,500 • Mechanical Engineer of Record</b>		
3	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Hazardous Waste Facility – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2008</b>	Construction (if applicable) <b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided architectural and engineering services to design a first class process building that focused on life safety and the risks associated with hazardous waste processing. This facility was designed to handle the receiving, processing and shipping of the University's hazardous waste material. 5,600 sf. • \$1,900,000 • Project Plumbing Engineer</b>		
4	(1) TITLE AND LOCATION (City and State) <b>University of Arizona Student Rec Center – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2006</b>	Construction (if applicable) <b>2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 provided A/E services for this student recreation center expansion. This is an expansion to an existing building that addresses university Master Plan and urban infill issues including a major utilities extension network of tunnels. This was the first LEED Platinum certified building on campus. 55,000 sf. • \$27,300,000 • Project Plumbing Engineer</b>		
5	(1) TITLE AND LOCATION (City and State) <b>University of Arizona North End Zone Stadium – Tucson, Arizona</b>	(2) Year Completed	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm <b>M3 teamed with Heery International for the design of the North End Zone Stadium Addition. M3 provided mechanical/plumbing, civil and electrical engineering support as well as full-service Construction Administration. 184,000 gsf. • \$59,743,000 • Plumbing Engineer</b>		

**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> <b>Catalina Community Center Complex Tucson, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION <i>(If applicable)</i> <b>2010</b>
<b>23. PROJECT OWNER'S INFORMATION</b>		
c. PROJECT OWNER <b>Pima County</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$170,860</b>	e. TOTAL COST OF PROJECT <b>\$1,045,500</b>

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Catalina Community Services (CCS) is a 4,958 g.s.f. one-story building that provides space for public services including a food bank and health clinic. The building also accommodates offices for CCS staff as well as other public service agencies. The building is classified as B and S-2 occupancies with type VB combustibile construction and is fully sprinklered. The construction is metal studs and joists with exterior plaster walls and a built-up roof with parapet walls. The building was originally designed to achieve LEED certification, however funding was limited and the building was not registered with the USGBC.

M3 services from schematic design through construction administration included:

- Architectural
- Civil
- Structural
- Mechanical
- Electrical



**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> <b>University of Arizona Hazardous Waste Facility Tucson, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION <i>(If applicable)</i> <b>2009</b>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>The University of Arizona</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$276,585</b>	e. TOTAL COST OF PROJECT <b>\$1,900,000</b>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

In close collaboration with the Risk Management and the UA, the Hazardous Waste Facility is a good example of team effort focused on designing a first class process building with life safety and the risks associated with hazardous waste processing as the driving requirements.

Designed to handle the receiving, processing and shipping all of the Universities hazardous waste material, this 5,600 s.f. facility is an economical design solution to very challenging building requirements and site constraints. Landlocked and surrounded by a parking structure, utility buildings and the UA Facilities Maintenance yard to the south, the building footprint is a direct response to pedestrian and vehicular circulation patterns.

The administrative area of the facility is separate from the process, hazardous waste functions allowing large vehicle access to the maintenance yard to the south and provides the required fire separation. This allowed typical construction and building type for the administration side minimizing costs and complexity to the systems.

The process side of the facility is designed to minimize risks by having state of the art personal protection equipment, exhaust system and chemical spill containment. The fire rated assemblies and systems connected to the fire suppression and life safety systems protect personnel and the chemical in all rooms and neighboring structures. The daily receiving and weekly shipment of hazardous materials circulate through the spaces without interference and minimal effort creating a very safe and structured work flow and environment.



**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> <b>Precision Toyota of Tucson • Image USA II Tucson, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>Precision Toyota of Tucson</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$850,000</b>	e. TOTAL COST OF PROJECT <b>\$18,000,000 (estimated)</b>
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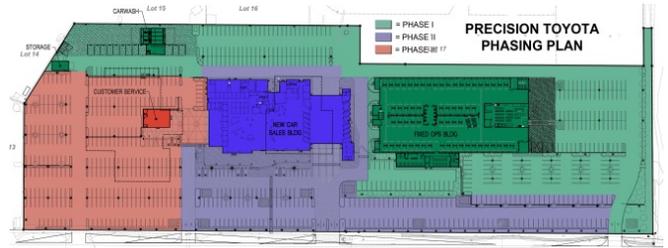
f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

M3 recently completed the design of a new 128,000 s.f. auto-dealership campus facility for Precision Toyota of Tucson which emulates the new Corporate Toyota Image USA II program being constructed across the United States. This facility includes a **new state-of the art vehicle maintenance facility**, new car sales and display and car washing facilities.

Located on a 13-acre site the site was master planned to accommodate major site coordination that will allow full facility operation during the entire construction period.

**Relevant Experience Emphasis:**

- New Service Vehicle Facilities
- Office Facilities
- Site Planning/Phasing Design
- Coordination of multiple Toyota Corporation programs
- Major infrastructure design



**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> <b>River Crossing Corporate Center Tucson, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION <i>(If applicable)</i> <b>2009</b>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>M3 Engineering &amp; Technology</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$845,752</b>	e. TOTAL COST OF PROJECT <b>\$14,000,000</b>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

M3 designed and constructed its own 88,000 s.f. two-story corporate office building to have multiple environmental, economic, and health benefits. The building, which achieved a LEED silver rating for interiors, consists of open and private office spaces, restroom facilities, various common areas, a lunch room, conference rooms, reception area, training room, and two changing/shower rooms.

**Experience Emphasis:**

- LEED Office
- Master Planning
- ADA Compliance



**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> <b>TAA Maintenance Facility and Warehouse Tucson International Airport - Tucson, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2006</b>	CONSTRUCTION <i>(If applicable)</i> <b>2008</b>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>Tucson Airport Authority</b>	d. DOLLAR AMOUNT OF PROJECT <b>\$931,521</b>	e. TOTAL COST OF PROJECT <b>\$7,100,000</b>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The 43,000 s.f. TAA Maintenance Facility and Procurement Warehouse will provide new facilities for airport maintenance functions including vehicle maintenance, maintenance shops (electrical, welding and paint), grounds maintenance and expanded warehousing facilities. The new facility replaces outdated and undersized facilities located in the path of airport expansion for general aviation uses.

Located on a 6.4 acre site the site was master planned to accommodate the new maintenance facility and warehouse as well as extensive maintenance operations equipment and materials requiring exterior stage and staging areas. Provisions for the storage and transfer of hazardous classified material used by maintenance staff is also provided for.

**Experience Emphasis:**

- Office Facilities
- Maintenance Facilities
- Site Planning Design
- Master Planning
- Facilities Programming
- Hydrology Studies



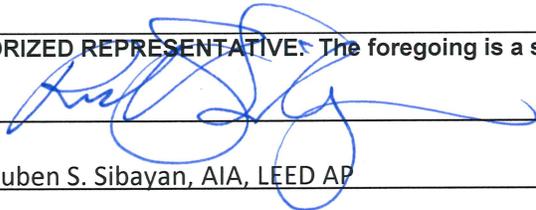
6. ADDITIONAL INFORMATION

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)

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:	
b. Percentage of Total Work Attributable to Non-Government Work:	

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

Signature: 

Date: December 12, 2013

Name: Ruben S. Sibayan, AIA, LEED AP

Title: Assistant Vice President