REQUEST FOR QUALIFICATIONS

FOR

DOWNTOWN STREETS RECONSTRUCTION
DRAINAGE MASTER PLAN
PROFESSIONAL SERVICES

Project No. 16013
March 2016

Statement of Qualifications due by:
Friday April 15, 2016
CITY OF CASA GRANDE, ARIZONA

REQUEST FOR QUALIFICATIONS

DOWNTOWN STREETS RECONSTRUCTION
DRAINAGE MASTER PLAN
PROFESSIONAL SERVICES

The City of Casa Grande Requests for Qualifications (RFQ) for Downtown Streets Reconstruction Drainage Master Plan Professional Services.

Each response shall be in accordance with the RFQ instructions on file with the City Clerk at City Hall, 510 East Florence Boulevard, Casa Grande, Arizona, 85122, where copies can be obtained by calling the City Clerk’s Office (520) 421-8600, or a complete packet is available on the City’s website: www.casagrandeaz.gov.

All responses must be submitted by 2:00 pm City time on Friday, April 15, 2016 to the City Clerk, Remilie S. Miller, and 510 East Florence Boulevard, Casa Grande, Arizona 85122. The responses shall be evaluated in accordance the RFQ scope of work package.

An optional pre-submittal meeting will be conducted from 10:00 a.m. to 11:30 a.m. on Thursday, March 31, 2016 at the Casa Grande North Operation Center, 3181 N. Lear Avenue, Casa Grande, Arizona 85122.

Responses must be addressed to:

Remilie S. Miller, City Clerk
City of Casa Grande
510 E. Florence Boulevard
Casa Grande, Arizona 85122

THE ENVELOPE MUST BE BOLDLY MARKED:
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The City of Casa Grande reserves the right to waive any informalities or irregularities in this Request for Qualifications, or to reject any or all responses; to be the sole judge of the suitability of the materials offered, and to award a contract for the furnishing of the services it deems to be in the best interest of the City.

/s/James V. Thompson
City Manager
The City of Casa Grande, with a population of approximately 52,000, is located in the Central Arizona region in Pinal County between the metropolitan areas of Phoenix and Tucson. The City is soliciting Statements of Qualifications (SOQs) from qualified firms to provide stormwater drainage master plan along with drainage design feasibility study and concept report for the Downtown Streets Reconstruction project. Subject to availability of additional funds, the selected Consultant may, at the City’s sole discretion, be awarded another contract to provide final drainage design services and possibly construction administration services.

The roadway infrastructure for Casa Grande’s historic downtown needs reconstruction along with other infrastructure improvements. The area experiences repeated stormwater flooding during and after heavy rains. This impacts local business and results in partial or complete road closure for cleaning and maintenance purposes. Figure 1 shows the vicinity map of the city and approximate project limits.

Figure 1: Casa Grande Downtown Streets - Vicinity Map & Project Limits

**SECTION 1: PROJECT DESCRIPTION**

This project is for professional engineering services relating to the preparation of Stormwater Drainage Master Plan along with Drainage Design Feasibility Study and Report. The deliverables will be used in the future to facilitate remaining downtown road improvement projects for the Downtown Streets Reconstruction and future drainage infrastructure improvements/rehabilitation/reconstruction. The upcoming phase of Downtown Streets Reconstruction (Revised Phase III) project will also rely on this project deliverables for stormwater drainage alternatives with evaluations that are acceptable to the City. The proposed Phase III project area is shown in the Figure 2.
The City has contracted DMJMHARRIS/AECOM in the past for professional engineering services for Downtown Streets Reconstruction. Entranco provided the Final Design Report for Downtown Streets Improvement project. DMJMHARRIS/AECOM and Entranco initially proposed the downtown improvements into three phases. In the recent years, City of Casa Grande has gone through two phases of downtown streets reconstruction. Phase I was completed around 2007 which involved reconstruction of Main Street from Casa Grande Ave to Sacaton Street. Phase I also involved costly stormwater drainage infrastructure. However, this area still receives stormwater flooding complaints during heavy rainfalls and requires maintenance.

The originally proposed Phase II involved the reconstruction of 1<sup>st</sup> and 2<sup>nd</sup> streets along with proposed stormwater drainage infrastructure. Stormwater infrastructure was deemed expensive with least benefits after lessons learned from Phase I construction. A substantial portion of phase II was removed from original Phase II plan and was completed in 2012. The revised Phase II involved reconstruction of 2<sup>nd</sup> Street from Casa Grande Ave and Pinal Street and mill and overlay of Florence Street only with no provisions of stormwater drainage infrastructure. The remaining portion of original design was deferred to the future phase/s.

The City would like to proceed with the final phase of Downtown Reconstruction. The major element besides paving of the final phase of reconstruction is stormwater drainage
infrastructure originally proposed by DMJMHAIRS/AECOM and Entranco. City would like to do a Drainage Master Plan along with drainage design feasibility study & report. The initial plan will provide conceptual alternatives and select final drainage design to facilitate current and future road improvement projects. The project will conduct cost-benefits analysis and propose cost effective, context sensitive, conceptual stormwater drainage alternatives with evaluations that are acceptable to the City. The City would proceed with selected alternative for upcoming Downtown Streets Reconstruction Phase III re-design and other future roadway improvement projects for the area.

All work shall be accomplished in accordance with State and, Local standards, guidelines and regulations, the Environmental Protection Agency and Arizona Statutes. Consultant will be selected through a qualifications-based selection process. A detailed scope of professional services and professional fees will be negotiated and will be submitted for review and approval by the City Council. Once approved, a formal contract will be executed between the City of Casa Grande and Consultant. The City will administer the contract and provide staff support.

The consultant selected to perform this work shall be required to obtain and maintain insurance coverage as specified in the sample Contract. Consultants selected to perform under this solicitation shall also be required to obtain a City of Casa Grande business license.

SECTION 2: ABBREVIATED SCOPE OF SERVICES

The Consultant will provide the services under the direction of a Registered Professional Engineer within the State of Arizona in the appropriate discipline. The purpose of this project is the preparation of effective stormwater drainage plan for the downtown streets. The major objectives of the project are:

i. Perform all professional engineering and related services to prepare and provide a final drainage master plan and drainage design feasibility study and concept report.

ii. Data Collection – Obtain and review available project relevant information.

iii. Mapping and Survey – Review existing contour/topographical mapping and supplement as necessary for the existing and proposed conditions analyses and designs.

iv. Existing Conditions Hydrological and Hydraulic Analysis – Prepare hydrologic and hydraulic analyses of the existing project area which comprises Downtown streets phases I, II and III. The existing conditions analysis will identify flooding locations which will inform potential drainage solutions.

v. Alternatives Evaluation and Analysis – identify and evaluate storm drainage system alternatives that will convey the estimated stormwater flows for the typical 2 to 10 year return period and generally prevent the 100-year stormwater flows from flooding the adjacent properties. Document the approximate evaluation criteria, including project costs, and prepare a comparison matrix for the alternatives.
Recommend a concept drainage solution based on the alternative evaluation. Develop and secure approval of appropriate evaluation criteria, including project costs, and prepare a comparison matrix. Recommend a solution based on the alternatives analysis.

vi. Recommended Concept Plan – Prepare a cost-effective, context sensitive concept plan for the recommended drainage solution that is acceptable to the City and Stakeholders.

vii. Utilities Evaluation – Research records of existing subsurface and overhead utilities within the project limits. Evaluate the impacts of the utilities on the drainage alternatives.

viii. Aesthetic and Environmental Evaluations – Provide an overview of the aesthetic and environmental issues associated with the drainage solutions and suggest a compatible design that meets the community’s needs.

ix. Public Meeting(s) – Assist the City with public meeting(s) to identify flooding issues and seek public input to proposed drainage solution.

x. Identify and provide mapping showing specific right-of-way needs for the roadway corridor.

xi. Prepare an implementation plan for the project including logical phasing of the improvements with concurrence of the City and other agencies as needed. The implementation plans should show incremental projects, with their associated costs, that could be undertaken as funding permits to develop the project area drainage and roadway improvements to construct.