



CITY OF CASA GRANDE

Public Works Department

CITY OF CASA GRANDE COTTONWOOD LN & ARIZOLA RD DRAINAGE STUDY PRE-SUBMITTAL MEETING

Date of Conference: September 29, 2015

Meeting Time: 10:00 AM -11:30 AM Local Time

Meeting Location: Conference Room NOC-MainFloor-2,
City of Casa Grande
North Operations Center
3181 N Lear Ave, Casa Grande, Arizona 85122

- 1. Introductions.
- 2. Background -
 - Cottonwood Ln and Arizola Rd. repeated stormwater flooding during and after heavy rains.
 - Partial or complete road closure for cleaning and maintenance purposes
 - Cottonwood Lane is a major arterial connecting Pinal County and Casa Grande-Maricopa Highway.
 - Cottonwood Lane was reconstructed in 2007 and pavement is fairly new.
 - The City is concerned with stormwater flooding of newly paved road and is looking for alternatives to mitigate stormwater flooding.
 - The causes of stormwater flooding are unknown. It is suspected that recent developments in the area have potentially altered the stormwater flow pattern, resulting in stormwater accumulation at this location.
- 3. Project Description and General Scope of Services:
 - The project is intended to provide drainage investigation and propose mitigation solutions for an area located, but not limited to, Cottonwood Lane and Arizola Road and associated watershed in the City of Casa Grande, Pinal County, Arizona.
 - Casa Grande has various drainage studies in the area which show the extent of watershed and stormwater flow patterns. The 1985 Master Drainage Study for the City of Casa Grande was last revised in 1987 and lists a master drainage plan with a list of infrastructure needs.
 - The purpose of this investigation is to review the previous drainage reports and master plans, perform additional investigations and propose possible conceptual solutions to prevent any future damages to the roadways in the area.



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- The City of Casa Grande is seeking a qualified consultant to provide complete professional services for this project.
- A detailed scope of professional services and professional fees will be negotiated and will be submitted for review and approval by the City Council.
- 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.
- The **Consultant** will provide the services under the direction of a Registered Professional Engineer within the State of Arizona in the appropriate discipline.
- The major objectives of the study are:
 - i. Compile a comprehensive database of critical project information, including known flooding and drainage problems within the study area, existing infrastructure data, and information on alternative mitigation solutions.
 - ii. Develop hydrologic and hydraulic models for the study area accounting for existing infrastructure including storm drains in order to identify and quantify existing drainage and flooding problems.
 - iii. Identify cost-effective, context sensitive, conceptual flood mitigation alternatives with evaluations that are acceptable to the City for flooding problems identified.
- Characterize drainage, flooding sources and flooding hazards including the identification of existing and future flood hazards in the study area.
- Hydraulic Engineering Center, River Analysis System (HEC-RAS) by Army Corps of Engineers and other supporting analysis software will be acceptable as part of the hydraulic analysis.
- The Consultant will propose conceptual stormwater mitigation solutions for any future “base flood event” and will coordinate with City staff in selection of preferred alternatives. The proposed flood mitigation solutions based on the investigations findings will be coordinated with the City of Casa Grande in hardcopy as well as electronic format. A preferred alternative may be selected by the City staff.



4. Items to be supplied by the City

- Aerial Photography: Up to 3-inch resolution
- Aerial Topography: 2-ft contours information up to the City limits.
- Record Drawings
- As requested by the Consultant, the City will provide approved plans and record drawings of development projects in the vicinity of the project from the available City files.



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- 5. Submittal Info
 - See Sections 4 and 5 of RFQ for General Instructions & Requirements of Submittals
 - All Statements of Qualifications (SOQ) must be submitted by 2:00 PM local time, October 23, 2015 at the City of Casa Grande, City Clerk's Office – City Hall Bldg. A located at 510 East Florence Boulevard, Casa Grande, Arizona 85122.
 - Submittal package must include all Original Submittal Forms located in the Appendix.

- 6. Miscellaneous
 - Questions regarding the solicitation shall be submitted via email only to Abdul Rashid, PE CFM (arashid@casagrandeaz.gov). Questions are requested to be submitted no later than 5:00 PM October 13, 2015.
 - Clarifications to proposal documents will be by Addendum issued and posted on City website.

- 7. Questions/Discussion:



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Useful Weblinks

1. **City of Casa Grande Code of Ordinance:**
<http://goo.gl/6JwfGM>
2. **Engineering and Planning Reference Documents:**
<http://goo.gl/Cghox3>
3. **Building Codes:**
<http://goo.gl/Y9DUx9>
4. **Building Division Policies and Procedures:**
<http://goo.gl/7PHkPV>
5. **Engineering permits:**
<http://goo.gl/N7kpgG>
6. **Fees**
<http://goo.gl/uUHU7L>
7. **Master Drainage Study for the City of Casa Grande:**
<http://goo.gl/Ar7hC5>
8. **City of Casa Grande Code of Ordinance-Flood Damage Prevention 15.40:**
<http://goo.gl/6JwfGM>
9. **Flood Protection Information:**
<http://goo.gl/LdbRQi>
10. **FEMA Flood zone search:**
<http://goo.gl/jNK3Gf>



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Pre-Submittal Meeting for: Cottonwood Ln & Arizola Rd Drainage Study - Professional Services September 29, 2015
ATTENDEES:

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PUBLIC WORKS DEPARTMENT

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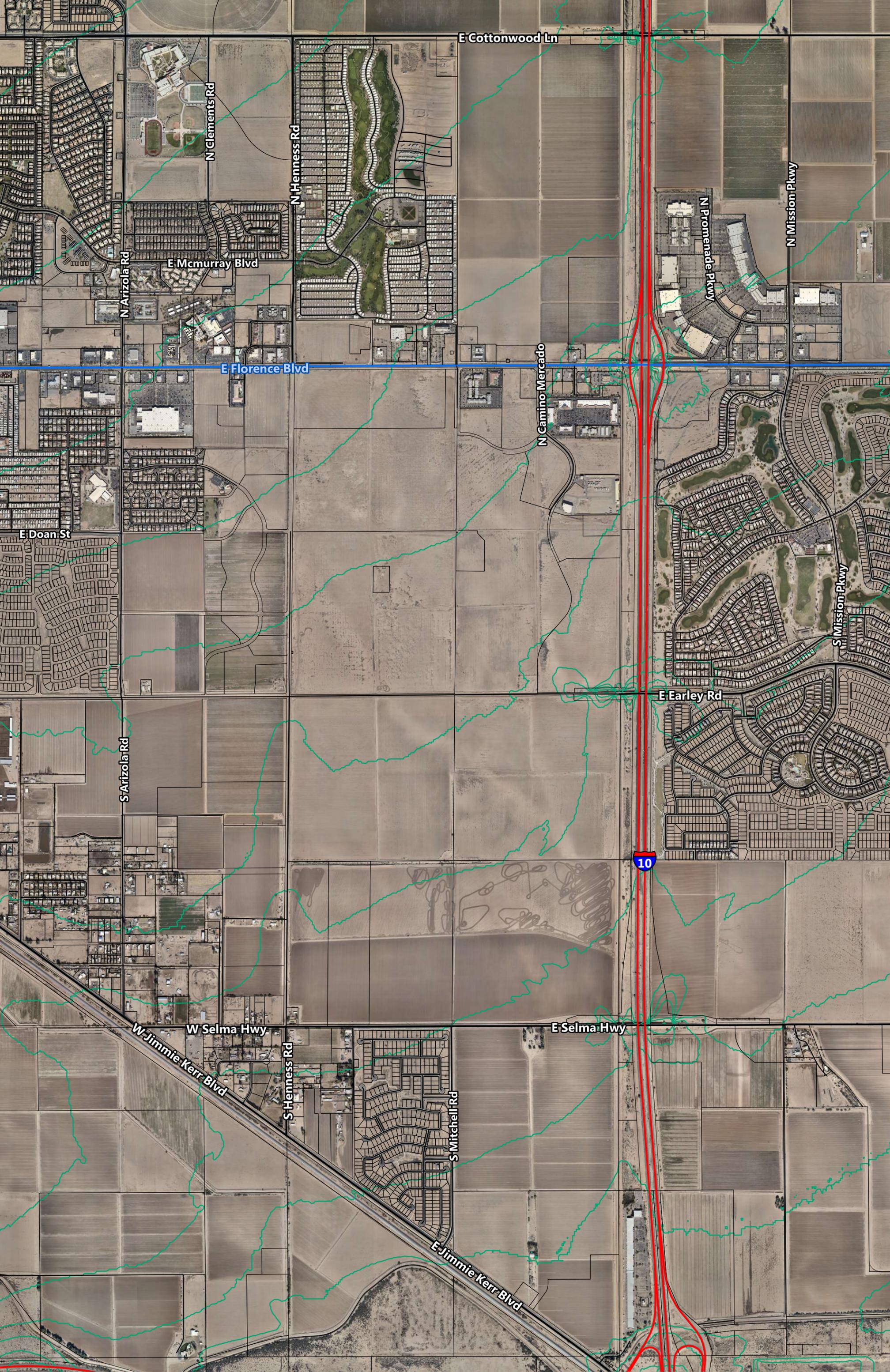
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E Cottonwood Ln

N Clements Rd

N Henness Rd

N Arizona Rd

E McMurray Blvd

N Promenade Pkwy

N Mission Pkwy

E Florence Blvd

N Camino Mercado

E Doan St

S Mission Pkwy

S Arizona Rd

E Earley Rd

10

W Selma Hwy

E Selma Hwy

W Jimmie Kerr Blvd

S Henness Rd

S Mitchell Rd

E Jimmie Kerr Blvd