City of Phoenix
Water Services Department

ZONE 3D AND 4A IMPROVEMENTS PROGRAM

- WATER TREATMENT PLANT BOOSTER PUMP STATIONS
- WATER TRANSMISSION MAIN
- REMOTE FACILITIES BOOSTER PUMP STATIONS

Pre-Submittal Meeting
August 20, 2018
Welcome and Introductions

City of Phoenix Representatives

Julie B. Smith – Contract Specialist II
City Engineers Office
602-534-2418

Darlene Helm – PE, Project Manager
Water Services Department
Meeting Information

- Please fill out the Sign In Sheet
- Hold questions until after the presentation
- This is your **ONLY** opportunity to ask City Staff questions
- Sign In Sheet and Power Point Presentation will be posted online for your review
Project Description

- There is a potential for restrictions on the Central Arizona Project (CAP) due to long-term drought conditions on the Colorado River.

- In order to ensure the City can provide a reliable water supply, an alternate supply is needed for the areas served by CAP.

- A study was completed which analyzed alternatives to sustain a projected demand shortage during an outage at LPWTP and UHWTP.

- Several improvements to the existing water system are required.
Proposed Improvements - BPSs

- **Package 1 - 60 Million Gallons per Day (MGD) Booster Pump (BPS) and Pressure Reducing Valve (PRV) Station at 24th Street WTP (4A-B10/1-R8)**

- **Package 2 - New Finished Water BPSs (Zone 3D -40 MGD, Zone 2A-45 MGD and Zone 1-65 MGD) and 20 MGD PRV at Deer Valley WTP (3D-B3/1-B5/2A-B13/1-R4)**

- **Package 3 - 60 MGD BPS and PRV Station at Central Avenue and Deer Valley Road (4A-B9/3D-R12)**

- **Package 4 - 40 MGD BPS at 32nd Street and Bell Road (4A-B11)**
Proposed Improvements - Pipelines

- **Segment 1** - 60-inch Zone 4A water transmission main from 24th Street WTP to 32nd Street and Shea Boulevard

- **Segment 2** - 60-inch Zone 4A water transmission main from 32nd Street and Shea Boulevard to 32nd Street and Bell Road

- **Segment 3** - 42-inch Zone 3D water transmission main to replace existing 36" main on 35th Ave from Thunderbird Road to Grovers Avenue
Project Overview -
Package 1
Package 2
Segment 1
Package 1 - 60 MGD BPS at 24th St WTP
4A-B10/1-R8
Package 1 - 60 MGD BPS at 24th St WTP
4A-B10/1-R8

- Operating WTP
- Existing Utilities
- Other ongoing construction
- New Water Main Connection
- Tie-in to existing main
Package 2 - New Finished Water BPS at DVWTP
3D-B3/1-B5/2A-B13/1-R4
Package 2- New Finished Water BPSs at DVWTP
3D-B3/1-B5/2A-B13/1-R4

- Operating WTP
- Existing Utilities
- Other ongoing construction
- New Water Main Connection
- Tie-in to existing main
- Relocation of chemical facilities and analyzer building
Segment 1 - Existing Main and Potential Alignment

- Residential
- Existing Utilities
- ADOT Coordination
- Mountain Preserve
- Dam
- Hard-dig
- Tunnel
- Business on 32nd St
- Traffic Control
- Tie-in to New BPS
Segment 1 - Proposed Alignment in Phoenix Mountain Preserve

- Dam
- Hard-dig
- Tunnel
- Park Access Road and Parking Lot
- Trails
  - Hikers
  - Mountain bikers
Project Overview –
Package 3
Package 4
Segment 2
Segment 3

Segment 3

Package 3
4A-B9
3D-R12

Segment 2

Package 4
4A-B11
Segment 2 – 32nd St from Shea Blvd. to Bell Road

- Major Street
- Congested Intersections
- Existing Utilities
- Business on 32nd St
- Traffic Control
- Tie-in to New BPS
Segment 3 – 35th Avenue from Thunderbird Road to Grovers Avenue

- Major Street
- Congested Intersections
- Existing Utilities
- Business on 35th Avenue
- Traffic Control
- Tie-in to Existing Main
- Existing Connections
- Will existing main remain in service?
Package 3 – 4A-B10 at Central and Deer Valley Road

- Tie-in to Existing Water Main
- Major Street
- Existing Utilities
- Businesses
- Site Development
Package 4 – 4A-B9/3D-R12 at 32nd St and Bell Road

• Major Street
• Existing Utilities
• Businesses
• Multi-family residential
• Tie-in to New Water Main
• Site Development
Zone 3D and 4A Improvements Program
Design Engineer’s – BPS Scope of Work

• The project scope may include, but is not limited, to the following:
  • Provide preliminary design report and 30% design plans.
  • Provide 60%, 90% and 100% design and associated construction specifications;
  • Provide pothole list and coordinate potholing with CM@Risk contractor;
  • Review As-built drawings and identify all utility locations both vertically and horizontally within the proposed facility;
  • Provide Engineer Opinion of Cost at 30%, 60%, 90% and 100% stage;
Zone 3D and 4A Improvements Program
Design Engineer’s - BPS Scope of Work

- Attend project related design progress meetings;
- Conduct project related workshops as needed;
- Draft MOPOs (Method of Planned Operation) for shut-downs and attend City shut-down operational meetings;
- Actively coordinate and communicate with CM@Risk contractor and City staff for all related activities;
- Provide pre-construction services, as required by the City, including but not limited to reviewing GMPs and project schedule, construction bid price and subcontractor selection plans;
- Provide services, as needed, for land survey, surge analysis, site geotechnical investigation associated with the project,
Zone 3D and 4A Improvements Program
Design Engineer’s – BPS Scope of Work

• Coordination with other City department or other jurisdictions to obtain all applicable permits, such as Maricopa County Approval to Construct (ATC) construction permits prior to construction;

• Potential construction administration & inspection services for the construction phase; and

• Assist with the City’s Program Manager on public outreach effort as needed.
Zone 3D and 4A Improvements Program
Design Engineer’s – Pipeline Scope of Work

• The project scope may include, but is not limited, to the following:
  • Provide 60%, 90% and 100% design and associated construction specifications;
  • Provide pothole list and coordinate potholing with CM@Risk contractor;
  • Coordinate paving requirements with Street Transportation Dept.
  • Coordinate utility conflicts with Street Transportation Dept. – Utility section;
  • Provide Engineer Opinion of Cost at 30%, 60%, 90% and 100% stage;
  • Attend project related design/construction progress meetings;
Zone 3D and 4A Improvements Program
Design Engineer’s – Pipeline Scope of Work

• Conduct project related workshops as needed;
• Draft MOPOs (Method of Planned Operation) for shut-downs and attend City shut-down operational meetings;
• Actively coordinate and communicate with CM@Risk contractor and City staff for all related activities;
• Provide pre-construction services, as required by the City, including but not limited to reviewing GMPs and project schedule, construction bid price and subcontractor selection plans;
• Provide services, as needed, for land survey, construction easements, drainage, site geotechnical investigation associated with the project;
Zone 3D and 4A Improvements Program
Design Engineer’s – Pipeline Scope of Work

• Coordination with other City department or other jurisdictions to obtain all applicable permits, such as Maricopa County Approval to Construct (ATC) construction permits prior to construction;

• Potential construction administration & inspection services for the construction phase; and

• Assist with the City’s Program Manager on public outreach effort as needed.
Zone 3D and 4A Improvements Program
Design Engineer’s - Scope of Work

• **Package 1 and 2** - Coordination with City staff recognizing that other projects and/or O&M work are ongoing at the WTPs which operate 24 hours a day 7 days a week;

• **Package 2** - Develop a conceptual demolition plan for rehabilitation construction.

• **Segment 1 and 2** - review the Pipeline Alignment Study and Plans by PEC and provide proposed revisions to plans as necessary. Confirm 30% design.

• **Segment 3** – Provide 30% pipeline alignment and design report.
Zone 3D and 4A Improvements Program
CMaR’s- Scope of Work

• Preconstruction phase services by the CMAR may include the following:
  o provide detailed cost estimating and knowledge of marketplace conditions
  o provide constructability reviews of the design plans
  o provide project planning and scheduling
  o provide for construction phasing and scheduling that will minimize interruption to City operations
Zone 3D and 4A Improvements Program
CMaR’s- Scope of Work

- provide alternate systems evaluation and constructability studies
- advise City on ways to gain efficiencies in project delivery
- provide long-lead procurement studies and initiate procurement of long-lead items
- assist in the permitting processes
- participate with the City in a process to set a goal for local and SBE participation and implement the local and SBE process
- protect the owner’s sensitivity to quality, safety, and environmental factors.
Zone 3D and 4A Improvements Program
CMaR’s - Scope of Work

- Construction phase services by the CMAR may include:
  - construct the booster pump stations or water mains as described
  - select subcontractors/suppliers for this project
  - prepare a Guaranteed Maximum Price (GMP) proposal that meets the approval of the City
  - coordinate with various City of Phoenix departments, other agencies, utility companies, etc.
  - arrange for procurement of materials and equipment
  - schedule and manage site operations
Zone 3D and 4A Improvements Program
CMaR’s - Scope of Work

- bid, award, and manage all construction related contracts while meeting City bid requirements including the local and SBE participation goal

- provide quality controls

- bond and insure the construction

- address all federal, state and local permitting requirements

- deal with owner issues

- maintain a safe work site for all project participants
Small Business Enterprise Program (SBE)

Goal Setting Methodology

✓ Goals are established by City of Phoenix Goal Setting Committee

✓ Successful Prime will work with the Small Business Engagement Team prior to goal setting

✓ No established SBE goal for Design Phase

✓ SBE goal for construction phase will be established upon substantial completion of design
Small Business Enterprise Program (SBE)

Pre-Award Requirements:

- No SBE documents due at time of submittal
- Outreach Efforts and SBE Plan should be actively in development
- Document - Document - Document
Small Business Enterprise Program (SBE)

Post-Award Requirements:

To locate certified firms:
https://phoenix.diversitycompliance.com
Select: Directory of SBE Certified Firms

REMEMBER:

• Confirm certification status of a firm
• Confirm certified scope of work
• Statement of Proposed SBE Participation must be reviewed and approved by EOD prior to executions of each GMP
SBE – Contact Information

Gloria Hucher
Compliance Assistant
(602) 262-7716

Email:
business.relations.eod@phoenix.gov
New SOQ Evaluation Criteria

- New Requirements – Different Categories
- Higher Point Values
- Reference Checks
- Questions listed in order of importance
Submittal Requirements - Design

- Design Experience of the Prime Firm – (150 pts)
- Assessment Experience of the Prime Firm - (150 pts)
- Design Experience of the Key Personnel and Subconsultants – (125 pts)
- Assessment Experience of the Key Personnel and Subconsultants – (125 pts)
- Project Understanding and Approach - (300 pts)
- Staffing Information for Key Personnel - (150 pts)
- Reference Checks (up to 75 points*)
Submittal Requirements - CMAR

- General Information – (150 pts)
- Experience and Qualifications of the Firm - (200 pts)
- Experience of Key Personnel to be Assigned to this Project – (250 pts)
- Understanding of the Project and Approach to Performing the Required Services – (300 pts)
- Overall Evaluation of the Firm and its Perceived ability to Provide the Required Services - (100 pts)
- Reference Checks (up to 75 points*)
Submittal Requirements

- New electronic submittal process
  - Must be registered
  - Receive emails from “Workflow System” – NOT JUNK / SPAM

- Submittal requirements
  - Must meet all requirements
  - Upload only 1 document in pdf. format
  - Upload pdf. to the main Notes / Attachments tab

- Information sheet instead of Cover letter
Submittal Requirements

Product Category Codes:
Design – 9250000000, CMAR – 9120000000

ProcurePHX RFx Codes:

- Water Transmission Main
  - Design – RFx 6000000593
  - CMAR – RFx 6000000594

- Remote Facilities Booster Pump Stations
  - Design – RFx 6000000591
  - CMAR – RFx 6000000592

- Water Treatment Booster Pump Stations
  - Design – RFx 6000000595
  - CMAR – RFx 6000000594
Important Information

- SOQs due September 7, 2018 at 12:00 pm (Phoenix time)

- Submittal MUST be delivered electronically through the City’s Procurement website – no other means of submittal will be accepted

- All questions MUST be submitted by August 31, 2018

- All questions must be directed to my attention – no other contact with City staff

- Reference check forms MUST be sent directly from your selected reference to the provided email address
Only add one (1) .pdf attachment under the **Notes and Attachments Tab** highlighted below. You should not have multiple attachments, and you should not attach documents in other areas than what has been highlighted in the Power Point and the Bidders Handbook.
Do NOT add any attachments under the Items Tab, Notes and Attachments Sub section as illustrated.
FIRMS MUST ANSWER THE QUESTION LISTED FOR EACH ITEM.

THE STATEMENT OF QUALIFICATIONS WILL NOT POST CORRECTLY TO THE SITE IF THEY ARE NOT ANSWERED.
Changes to the RFQs will be posted on our website as Notifications

https://www.phoenix.gov/streets/procurement-opportunities
AND
https://eprocurement.phoenix.gov/irj/portal

It is your responsibility as an RFQ holder to determine, prior to submittal, if notifications have been issued.

Any issues with your ProcurePHX Login please refer to: https://www.phoenix.gov/financesite/Pages/EProc-help.aspx
Grounds for Disqualification

✓ Failure to submit electronically through the ProcurePHX online portal

✓ Violating the “Contact with City Employees” policy