



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

IFB Solicitation No.: FQ17162/KKB

Replacement of Five Water-Cooled Chillers and two cooling towers at Farragut West Chiller Plant, Georgia Avenue-Petworth and Glenmont Chiller Plants (DC and MD)

Pre-Bid Meeting

August 09, 2017



OPENING REMARKS

- Please Sign-In for today's Meeting
- Please silence all cell phones and electronic devices
- No recording devices
- This presentation and attendee list will be distributed via electronic mail
- Introduction of WMATA Personnel





WMATA PERSONNEL

- Norie Calvert Procurement Manager
- Kamoru Banjo Contract Administrator
- Mary-Jane Johnston Insurance Specialist
- Tinu Akinshola DBE Compliance Specialist
- Lisle Oliver Construction Engineer
- Terrence Britt Construction Engineer
- Mark Magnussen Project Manager
- John Cribben Construction Safety Liaison Officer



SAFETY TIP

Reduce Workplace Stress

Stress can lead to depression and concentration problems. Common causes of workplace stress include long hours, heavy workload, job insecurity and conflicts with coworkers or managers. Take your concerns about workplace stress to your supervisor to see how they might help you address them.



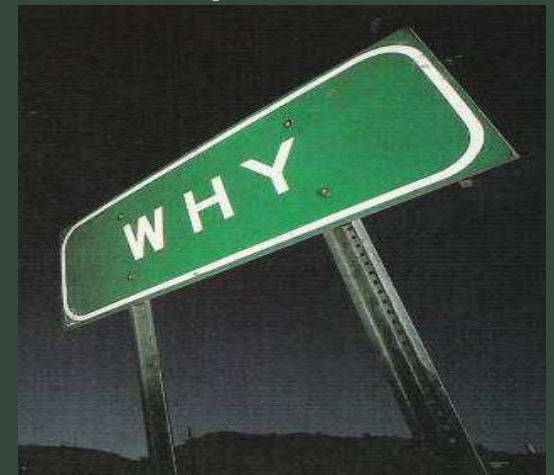
DISCLAIMER

- ✓ The Pre-Bid Meeting is for informational purposes only
- ✓ It may answer some Bidders questions
- ✓ Statements or representations made during the Meeting are NOT legally binding
- ✓ Changes resulting from this Meeting are official only if issued through an amendment to the Solicitation



WHY ARE WE HERE?

- ❑ The purpose of this meeting is to provide a forum for potential firms to discuss with the Authority, IFB FQ17162/KKB, introduce the project team that you could be working with, and respond to preliminary questions you may have.
- ❑ Nothing stated during the Pre-Bid meeting shall change the Invitation for Bid unless a change is made by written amendment.





Useful Websites

Doing Business With WMATA	http://www.wmata.com/business/
Disadvantage Business Enterprise	http://www.wmata.com/business/disadvantaged_business_enterprise/ http://www.wmata.com/business/disadvantaged_business_enterprise/dbe_search.cfm
Vendor Registration	http://www.wmata.com/business/procurement_and_contracting/vendor_registration.cfm
Solicitation Posting	http://www.wmata.com/



SOLICITATION & SPECIFICATIONS

The Solicitation documents are available on WMATA's Website

Instructions for obtaining the solicitation documents are found on the WMATA website,

https://www.wmata.com/about/business/procurement/solicitations/Solicitation-Details.cfm?solicitation_id=3611

The Solicitation documents consist of:

- a. Volume 1-Specification: Divisions 00-03, 05, 07, 09, 15, & 16
- b. Volume 2-WMATA Standard and IFB Drawings
- c. Volume 5-WMATA Safety and Security Plans and Documents



IFB FQ17162/KKB – Chiller Replacements, DC and MD

Presented by:

- Lisle Oliver
Construction Engineer, DECO - IRPG





IFB FQ17162/KKB – Chiller Replacements, DC and MD OVERVIEW

PROJECT OVERVIEW

- Program consists of the replacement of five water-cooled chillers and two cooling towers; three chillers at Farragut West Chiller Plant, one chiller and cooling tower at both Georgia Avenue-Petworth and at Glenmont Chiller Plants.
- Contract duration: NTP to May 15, 2018



IFB FQ17162/KKB – Chiller Replacements, DC and MD Rigging





IFB FQ17162/KKB – Chiller Replacements, DC and MD Rigging (Cont'd)





IFB FQ17162/KKB – Chiller Replacements, DC and MD _Rigging (Cont'd)





IFB FQ17162/KKB – Chiller Replacements, DC and MD Rigging (Cont'd)





IFB FQ17162/KKB – Chiller Replacements, DC and MD



- Access Panels, Grating & Skates





IFB FQ17162/KKB – Chiller Replacements, DC and MD



- Contractor can no longer use existing lifting eye load capacity without verification of lifting capacity and approval from SAFE.

- Beams & Lifting Eye Load Capacity





IFB FQ17162/KKB – Chiller Replacements, DC and MD

- Breakers
- Switch Orders
- Pig Tails





IFB FQ17162/KKB – Chiller Replacements, DC and MD

Entrance to Chiller Plant
At Farragut West Station
Mezzanine Level of the Station
At Eye and 18th Street N.W.

Concrete Access Hatch
For Delivery and
Removal of Equipment
By Prime Movers





IFB FQ17162/KKB – Chiller Replacements, DC and MD

- More pictures at Farragut West



Cooling Towers on Roof Top





IFB FQ17162/KKB – Chiller Replacements, DC and MD

- Georgia Avenue-Petworth
- Chiller Plant located at
- 3670 New Hampshire
- Avenue N.W.



Roll-up door entrance into
Chiller plant



Cooling Tower on Firehouse roof





IFB FQ17162/KKB – Chiller Replacements, DC and MD

- Glenmont Cooling
- Tower located at
- 12502 Georgia Avenue
- In Maryland



Entrance to Vent Shaft thru
Chiller Plant



Vent Shaft to Chiller Plant





IFB FQ17162/KKB – Chiller Replacements, DC and MD Welding, Cutting & Grinding

- All welding & grinding must be approved by SAFE Department.
- All welding & grinding must be stopped 1 hour before the Contractor ends daily work shift and fire watch must be established during this time.
- Smoke detectors will be disabled during each work shift to allow the Contractor to weld, cut and grind.
- Per SAFE approval, micro-traps can be used to allow welding , cutting and grinding during revenue hours (Contractor must submit a written request and submittal).



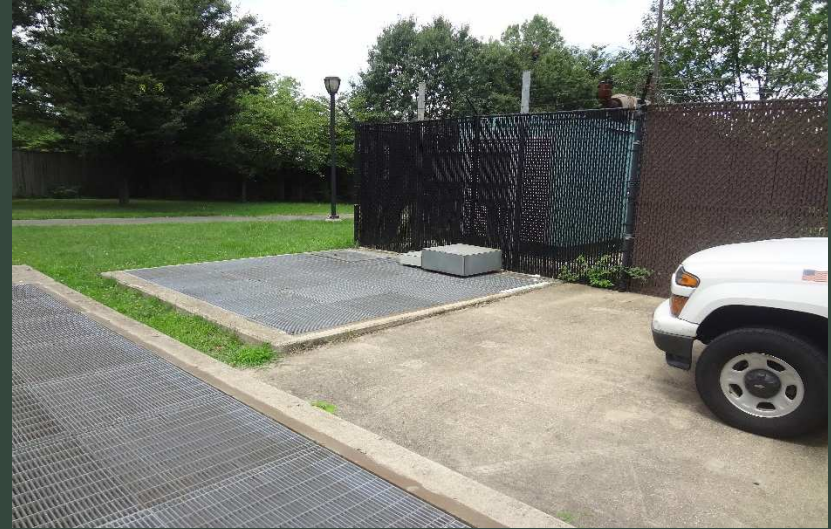


IFB FQ17162/KKB – Chiller Replacements, DC and MD
Micro-Traps





IFB FQ14005/RLJ – Chiller Replacements, DC and VA Glenmont Site





IFB FQ17162/KKB – Chiller Replacements, DC and MD Georgia Avenue-Petworth site



Existing Cooling Tower to be replaced



Existing Equipment to be replaced



IFB FQ17162/KKB – Chiller Replacements, DC and MD Farragut West Chiller Plant Site



Existing Chillers to be replaced
in underground Chiller Plant



New Nalco Chemical Treatment
System to remain



IFB FQ17162/KKB – Chiller Replacements, DC and MD Farragut West Chiller Plant Site – Cont'd



Interior View of Entrance to
Chiller plant showing Condenser
Water Pumps



Existing Chilled Water Pump located
In Mechanical equipment room



IFB FQ17162/KKB – Chiller Replacements, DC and MD

HOUSEKEEPING





BID SUBMITTAL

- Bidders are required to acknowledge receipt of all Amendments to this Invitation on copies of the Bid Forms. Failure to acknowledge Amendments may cause the Bid to be considered non-responsive to the Invitation, which would require rejection of the Bid.



EVALUATION

- ❑ The Authority will evaluate Bid Price for completeness, clarity, conciseness, realism, and responsiveness to the IFB-requested information
- ❑ Materially unbalanced prices: Bids that are materially unbalanced as to prices for the various categories of work items may be rejected as non-responsive
- ❑ The Authority will compare the Bid Prices to the Authority estimate and otherwise determine reasonableness by performing a price analysis if adequate competition exists. A cost analysis will be performed, if adequate price competition does not exist, to ascertain whether or not the proposed price is fair and reasonable. The Authority may request that Bidders provide a cost breakdown, which identifies major cost drivers and request supporting documentation, such as Supplier and Subcontractor quotes in support of the Bid.



AWARD

- Method of Procurement: This is a low bid Procurement
- Basis for Award:
 - Award will be made to the Bidder who is the lowest responsive and responsible bidder based on price.
 - The Authority will make a single award to one Bidder as the result of this Invitation



Proposing Requirements: Divisions 00100-00400

- a) Division 00200 & 00400, Acknowledgement of Amendments
- b) Division 00200, Subdivision 00201(I1-I3), Submission/Withdrawal of Bids:
- c) Division 00200, Subdivision 00201(K1-K2), Bid Guarantee, 5% of Total Bid price.
- d) Division 00200, Subdivision 00201(L1-L2), Minimum Bid Acceptance Period-90 cds
- e) Division 00200, Subdivisions 00201(C1-C3), Basis for Award, Award of this Contract will be made based solely on the



Division 00, Subdivision 00610, Bond Requirements:

- I. Bid Guaranty, 5% of Total Bid price
- II. Performance Bond, 100% of the Contract Price
- III. Material Bond:
 - 50% of the Contract Price if it is not more than \$1,000,000
 - 40% of the Contract Price if it is more than \$1,000,000 and it is more than \$5,000,000
 - If the Contract Price is more than \$5,000,000; the material bond shall be \$2,500,000.



**DISADVANTAGED BUSINESS
ENTERPRISES (DBE) Division 00,
Subdivision 00865**

Opportunity for Disadvantaged Business Enterprises to Bid

The Washington Metropolitan Area Transit Authority hereby notifies all Bidders that the Bidder shall ensure that in regard to any contract entered into pursuant to this Solicitation, disadvantaged business enterprises will be afforded full opportunity to submit Bids in response to this Solicitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for award.

DBE Goal – 25%



Division 00, Subdivision 00700,

- Contracting Requirements, Subcontracts, to be submitted after contract award.



Additional Division

- Division 00, Subdivision 00800, Appendix D, Wage Rates
- Division 01, Inspection, Testing and Acceptance, right to inspect facility
- Division 00, Subdivision 00878, Liquidated Damages
- Division 00, Subdivision 00896, Living Wage, \$13.85 as of January 2017



Additional Division

- I. Division 01, Subdivision 01114, Safety/Environmental Requirements
 - 1. Most stringent safety provisions
 - 2. All appropriate operations rules and regulations

- II. Division 01, Subdivision 01110, Contractor Personnel
 - 1. Competent;
 - 2. Vendors ID badge;
 - 3. Mandatory safety training

- III. Division 01, Subdivision 01116, Background Check-any employee working on WMATA property.
- IV. Division 01, Subdivision 01110 Summary of Work
 - 1. 5 years after acceptance

- V. Division 01, Subdivision 01322, Progress Schedule, Primavera Project Planner (P6)
- VI. Division 01, Subdivision 01250, Profit Negotiation, weighted guidelines



Additional Division

- Division 00, Subdivision 00451,
Representations and Certifications-Complete
form and sign signature block.
- Technical Requirements:
Divisions 01-03, 05, 07, 09, 15 & 16



SAFETY

VISION

Metro moves the region forward by connecting communities and improving mobility for our customers

MISSION

Metro provides safe, equitable, reliable and cost-effective public transit

GOALS

Build and maintain a premier safety culture and system * Meet or exceed customer expectations by consistently delivering quality service * Improve regional mobility and connect communities * Ensure financial stability and invest in our people and assets

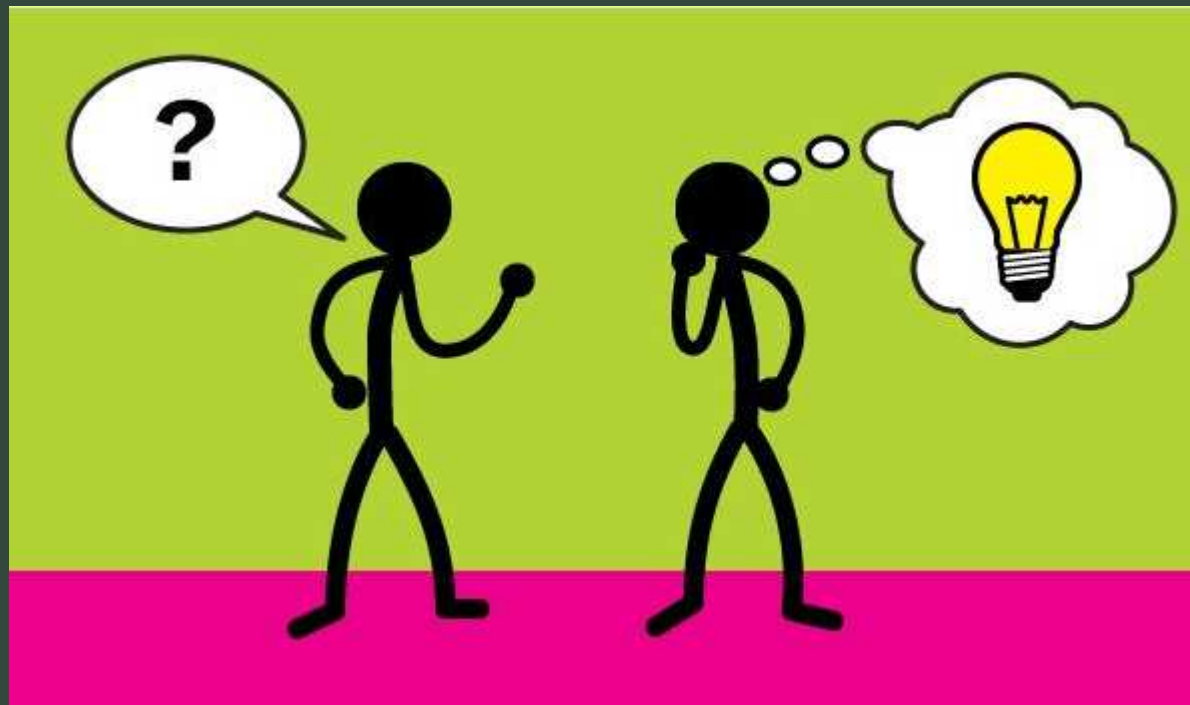


WHAT IF I HAVE A QUESTION?

Questions may be directed to Kamoru Banjo,
Contractor Administrator

Electronic mail: **kkbanjo@wmata.com**

Questions?





REPLACEMENT OF CHILLER AND COOLING TOWERS AT THREE (3) METRO-RAIL STATIONS: DC, MD
Solicitation Number: FQ17162/KKB

PRE-BID CONFERENCE
ATTENDEES

August 09, 2017

<u>NAME</u>	<u>AFFILIATION</u>	<u>PHONE NO.</u>	<u>FAX NO.</u>	<u>E-MAIL/MAILING ADDRESS</u>
Kamoru Banjo	WMATA	202-962-1395	202-962-2038	kkbanjo@wmata.com
Mary Jane Johnson	WMATA	2-1236		mifjohnstn@wmata.com
Todd Clift	WMATA	202 631 5312		tclift@wmata.com
JAMES COSTA	JCI/PAK	202 604 9949		james.robert.costa@jci.com
Honest Mustafa	WMATA	301-955-2145		honestm@wmata.com
LISLE OLIVER	WMATA	301-955-5577		LOLIVER@WMATA.COM
Carlos Martinez	Dean Technologies	703 887 9020		cmartinez@dean-technologies.com
Michael Muscare	PM THURMON	301 350 5000		MMUSCAR@PMTHURMON.COM
JAMES MARC	Limach	443-277-6324		james.marc@limbach.com
OMAR BRAUER	BSC	202-664-9185		omar_brauer@bsc.com
Bill MacCallister	Talis Electric	703 932 0113		billmacallister@talis.com

