

S. S. R. B.

DATE 04/07/09

APPROVED _____

CONDITIONALLY APPROVED Rev 4-0

RETURN TO DEPT _____

DISAPPROVED _____

CITY OF CHICAGO
DEPARTMENT OF PROCUREMENT SERVICES
ROOM 403, CITY HALL, 121 N. LASALLE STREET

JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT

COMPLETE THIS SECTION IF NEW CONTRACT

For contract(s) in this request, answer applicable questions in each of the 4 major subject areas below in accordance with the Instructions for Preparation of Non-Competitive Procurement Form on the reverse side.

Request that negotiations be conducted only with Badger Meter Inc for the product and/or services described herein.
(Name of Person or Firm)

This is a request for _____ (One-Time Contractor Requisition # _____, copy attached) or X Modification of _____ Term Agreement or _____ Delegate Agency (Check one). If Delegate Agency, this request is for "blanket approval" for all contracts within the _____ (Attach List) Pre-Assigned Specification No. _____ Pre-Assigned Contract No. 14285
(Program Name)

COMPLETE THIS SECTION IF AMENDMENT OR MODIFICATION TO CONTRACT

Describe in detail the change in terms of dollars, time period, scope of services, etc., its relationship to the original contract and the specific reasons for the change. Indicate both the original and the adjusted contract amount and/or expiration date with this change, as applicable. Attach copy of all supporting documents. Request approval for a contract amendment or modification to the following:

Contract #: <u>14285</u>	Company or Agency Name: <u>Badger Meter Inc.</u>
Specification # <u>34665</u>	Contract or Program Description: <u>AMR System Installation and Related Services</u>
Modification #: _____	(Attach List, if multiple)
Andrea Putz Originator Name	<u>312-742-1070</u> Telephone
_____	<u>Water Mgt.</u> Department
_____	<u>4.2.2009</u> Date

Indicate SEE ATTACHED in each box below if additional space needed:

<input checked="" type="checkbox"/> PROCUREMENT HISTORY see attached justification memo, cost comparison, and expected line items
<input checked="" type="checkbox"/> ESTIMATED COST see attached justification memo, cost comparison, and expected line items
<input checked="" type="checkbox"/> SCHEDULE REQUIREMENTS The modifications and equipment are needed immediately. The modifications would already have been useful in some situations. In addition, there is a 150 day lead time for the receipt of meter setters & fittings, and we wanted to start using them in June.
<input checked="" type="checkbox"/> EXCLUSIVE OR UNIQUE CAPABILITY see attached justification memo, cost comparison, and expected line items
<input type="checkbox"/> OTHER

APPROVED BY: John Spatz
DEPARTMENT HEAD OR DESIGNEE
Monica M. Sawyer
CHIEF PROCUREMENT OFFICER

4/28/09
DATE

Z. S. Li
BOARD CHAIRPERSON

04/07/09
DATE

4/23/09
DATE OF APPROVAL

DPS PROJECT CHECKLIST

For DPS Use Only	
Date Received	_____
Date Returned	_____
Date Accepted	_____
CA/CN's Name	_____

IMPORTANT: PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR COMPLETING THE PROJECT CHECKLIST AND CONTACT THE APPROPRIATE UNIT MANAGER IF YOU HAVE ANY FURTHER QUESTIONS. ALL INFORMATION SHOULD BE COMPLETED, ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR HANDLING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM 403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.

GENERAL INFORMATION:

Date: 4.2.2009
REQ No.:

Contact Person: Felicia Rawlings
Tel: 745-0581 Fax: 747-7078 E-mail: felicia.rawlings@cityofchicago.org

Specification No.: (if known): 34665
PO No.: (if known): 14285

Project Manager: Andrea Putz / Kevin Habib
Tel: 742-1070 Fax: 742-9123 E-mail: andrea.putz@cityofchicago.org

Modification No.: (if known):

Previous PO No.: (if known): N/A

Project Description: AMR System Installation & Related Equipment

FUNDING:

- | | | | | | |
|----------|---------------------------------------|---------------------------------------|-------------------------------------|---------------------------------|--------------------------------|
| City: | <input type="checkbox"/> Corporate | <input type="checkbox"/> Bond | <input type="checkbox"/> Enterprise | <input type="checkbox"/> Grant* | <input type="checkbox"/> Other |
| State: | <input type="checkbox"/> IDOT/Transit | <input type="checkbox"/> IDOT/Highway | <input type="checkbox"/> FAA | <input type="checkbox"/> Grant* | <input type="checkbox"/> Other |
| Federal: | <input type="checkbox"/> FHWA | <input type="checkbox"/> FTA | | <input type="checkbox"/> Grant* | <input type="checkbox"/> Other |

LINE	FY	FUND	DEPT	ORGN	APPR	ACTV	OBJT	PROJECT	RPTG	\$ DOLLAR AMOUNT

Estimated Value \$

*IF GRANT FUNDED, A COPY OF THE APPROVED GRANT AND APPLICATION ARE REQUIRED and any other Terms and Conditions that may apply.

SCOPE STATEMENT:

Attached is a Detailed Scope of Services and/or Specification

IMPORTANT: THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR DPS TO ACCEPT YOUR SUBMITTAL YOU MUST COMPLETE THE SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT UNIT.

The following is a general description of what should be included in a Scope of Services or Specification:
A clear description of all anticipated services and products, including: time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

TYPE OF PROCUREMENT REQUESTED (check all that apply):

NEW REQUEST

- Blanket Agreement
- Standard Agreement
- Small Orders

MOD/AMENDMENT

- Time Extension
- Vendor Limit Increase
- Scope Change/Price Increase/Additional Line Item(s)
- Other (specify):

FORMS: Requisition Special Approvals Non-Competitive Review Board (NCRB)

CONTRACT TERM: 4/10 **Requested Term (number of months):**
 yrs

DPS PROJECT CHECKLIST

PRE BID/SUBMITTAL REQUIREMENTS:

Requesting Pre Bid/Submittal Conference? Yes No Requesting Site Visit? Yes No

ARCHITECTURAL/ENGINEERING SUPPLEMENTAL CHECKLIST

Required Attachments: Scope of Services, including location, description of project, services required, deliverables, and other information as required

Risk Management

Will services be performed within 50 feet of CTA train or other railroad property? Yes No
Will services be performed on or near a waterway? Yes No

If applicable, Pre-Qualification Category No. Category Description:

For Pre-Qualification Program, attach list of suggested firms to be solicited

Other Agency Concurrence Required: None State Federal Other (fill in)

AVIATION CONSTRUCTION SUPPLEMENTAL CHECKLIST

DOA sign-off for final design documents: Yes No

Required Attachments:

Copy of Draft Contract Documents and Detailed Specifications.

Risk Management:

Current Insurance Requirements prepared/approved by Risk Management: Yes No

Will work be performed within 50 feet of CTA or ATS structure or property? Yes No

Will work be performed airside? Yes No

***NOTE:** Any non-construction Aviation request, complete the applicable section.

COMMODITIES SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the product, delivery location, user department contact, price escalation considerations, Bidder's qualification, contract term and extension options, Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

If Modification request, please verify and provide the following:

Contractor's Name:

Contractor's Address:

Contractor's e-mail Address:

Contractor's Phone Number:

Contractor's Contact Person:

CONSTRUCTION SUPPLEMENTAL CHECKLIST

Required attachments:

Copy of Draft (80% Completion), Contract Documents and Detailed Specifications

Risk Management

Will services be performed within 50 feet of CTA train or other railroad property? Yes No

Will services be performed on or near a waterway? Yes No

DPS PROJECT CHECKLIST

VEHICLES/HEAVY EQUIPMENT SUPPLEMENTAL CHECKLIST

Required Attachments:

- Detailed Specifications including detailed description of the vehicle(s) or equipment, mounted equipment, if any, and options/accessories.
- Special Provisions (Delivery, Warranty, Manuals, Training, Additional Unit Purchase Options, Bid Submittal Information, etc.)
- Delivery Location(s)
- Technical Literature
- Drawings, if any
- Part Number List (Manufacturer; or Dealer; or Other Source:)
- Current Price List(s)/Catalog(s)
- Special Approval Form
- Exhibits and Attachments

If Modification request, please verify and provide the following:

Contractor's Name:

Contractor's Address:

Contractor's e-mail Address:

Contractor's Phone Number:

Contractor's Contact Person:

PROFESSIONAL SERVICES SUPPLEMENTAL CHECKLIST

- Detailed description of project listing obligations of each party.
- The Schedule of Compensation
- Deliverables
- Request for individual contract services (if applicable)
- The appropriate EPS form
- ITSC (approved by BIS)
- OBM (approved by Budget form/memo)
- Grant document attached

Attach any documentation indicating any previous purchase activity to assist in the procurement process

TELECOMMUNICATIONS AND UTILITIES SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Scope of Services/Specification which sets forth all of the anticipated services and products the user department wants provided, including time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

Has the project been reviewed by BIS? Yes No

Attach copy of BIS Recommendation; Reservation(s); or participate under current contract.

Does the project include software? Yes No

If yes, is signed ITSC form attached? Yes No

Does the location involve:

A public way? Yes No

Any concession in the City's facilities? Yes No

Is it anticipated City Council approval of the project or contract will be required? Yes No

DPS PROJECT CHECKLIST

WORK SERVICES/FACILITY MAINTENANCE SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the work, locations (with supporting detail), user department contacts, work hours/days, laborer/supervisor mix, compensation and price escalation considerations, Bidder's qualification, contract term and extension options, Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

Risk Management:

Will services be performed within 50 feet (50') of CTA train or other railroad property? Yes No

Will services be performed on or near a waterway? Yes No

Will services require the handling of hazardous/bio-waste material? Yes No

Will services require the blocking of streets or sidewalks which may affect public safety? Yes No

If Modification or Amendment request, please verify and provide the following:

Contractor's Name:

Contractor's Address:

Contractor's e-mail Address:

Contractor's Phone Number:

Contractor's Contact Person:



City of Chicago
Richard M. Daley, Mayor

Department of Water Management

John F. Spatz, Jr.
Commissioner

Jardine Water Purification Plant
1000 East Ohio Street
Chicago, Illinois 60611
(312) 744-7001
(312) 744-9631 (FAX)
(312) 744-2968 (TTY)

<http://www.cityofchicago.org/watermanagement>

MEMORANDUM

To: Montel Gayles
Chief Procurement Officer
Department of Procurement Services

Terrence Glavin
General Counsel

Attention: Gustavo Giraldo
John D. O'Brien
Jacoby Radford
Judy Martinez

From: John F. Spatz, Jr., Commissioner
Andrea Putz
Irene Caminer
Department of Water Management

Date: April 2, 2009

Subject: Sole Source Justification for Automatic Meter Reading
(AMR) Contract Modification

The Department of Water Management (DWM) seeks to modify the July 11, 2007 AMR contract (PO # 14285) with Badger Meter Inc. (BMI).

This contract has two parts requiring modification to it:

(1) A labor and materials portion specific to the AMR program. In the AMR program, *existing* meters are replaced with new AMR-type meters.

(2) A materials only portion that is currently being utilized for AMR-type meters installed *where no meter previously existed*, such as for customers who volunteer to have a meter installed.

DWM would like to modify both portions of this contract per the attached table. Key to this modification is the addition of the meter setter and associated crimp fittings (Materials) totaling \$2.6 million. This combination of unique type of Materials will allow for significant labor savings as part of our new MeterSave Program, approved by City Council on March 18, 2009. The MeterSave Program involves the installation of 20,000 meters annually in homes where no meter previously existed. Any efficiencies we can gain through making installation faster will be multiplied over 20,000 meter installations a year for 15 years, i.e., over 320,000 non-metered properties. DWM believes that by utilizing the Material over traditional welding and pipe-threading, the time needed for indoor meter installation will be cut in half from 1.5



hours to 45 minutes. The attached draft analysis of overall labor and materials savings shows a difference of \$64.31 per install, or a savings of \$428,750, annually, which is 18% of the overall cost of vertical installations.

Further, the Material is patented and only available to DWM through BMI. BMI's contractor, Professional Meters Inc., holds the intellectual property rights to the meter setter and fitting combination produced by their manufacturing partner, Cimberio Valves, in Italy. Cimberio has estimated a 120 to 150 day lead time for meter setter delivery, thus timing of this contract modification is critical as we plan to begin installations in June.

Regarding the remaining items on the AMR contract modifications, totaling \$2.02 Million the detailed reasons follow:

- The scope of interface between BMI's software and DWM's billing software "Banner" has widened in the last 12 months, specifically for data formatting. The clauses in the current AMR contract do not currently cover the whole scope so at the request of BMI this modification is sought. The approval process for these modifications are also in place, thus for any modifications or troubleshooting, three DWM managers will sign-off.
- The AMR project is more than 1/3 of the way complete with the 3-year installation time for the replacement of the existing meters with the AMR meters. As a result the number of customers who are not responding to our requests to install the new meters keeps growing. Further, the installers are finding Buffalo-Boxes (B-Boxes), pipes and other appurtenances in disrepair. Typically, for these matters DWM has to send out a crew to assist the installation crew. This creates additional costs and is time consuming. Therefore, DWM would like to modify the AMR contract to allow the installation crews to perform work that is ancillary to the installation. This will allow DWM to save time and money. This includes:
 - Terminating water service after proper notification and posting
 - Restoring water service after installation of the AMR meter
 - Repairing B-boxes
 - Blowing out B-boxes
 - Replacing faulty valves on the City-side of the meter infrastructure
 - For outside vault installations only: repairing and replacing damaged pipe
- DWM will be incorporating its processes and procedures relating to the above tasks for approval, denial and QAQC of the work to be performed by the contractor. Also, the contractor will be required to document and photograph the work.
- Additionally, DWM seeks to modify the contract to allow BMI to purchase and track certain materials thereby transferring these duties from DWM. This will eliminate double handling and extra work on the part of DWM.

Estimated Cost for Traditional Vertical Meter Installation

Labor	Rate/hr	Rate/hr w/benefits	Avg time to Install	Total
Plumber	\$43.00	\$59.34	1.5	\$89.01
WM Machinist	\$35.25	\$48.65	1.5	\$72.98
Cargo Van	\$11.40	\$11.40	1.5	\$17.10
Sub-Total				\$179.09

Material	Number Required	Unit Price	Total
5/8" Meter with AMR Transmitter	1	\$ 116.00	\$116.00
3/4" Straight meter coupling	2	\$ 4.89	\$9.78
3/4" Meter washer	4	\$ 0.11	\$0.44
1" Ground Clamp	2	\$ 6.81	\$13.62
3/4" Meter Yoke	1	\$ 78.00	\$78.00
3/4" M.I.P. Adaptor	1	\$ 2.80	\$2.80
3/4" Ball valve	1	\$ 9.27	\$9.27
38 " Electric wire for ground	1	\$ 1.99	\$1.99
1x 3/4" Bushing	1	\$ 9.75	\$9.75
Sub-Total			\$241.65
Total			\$420.74

Estimated Cost for Vertical Meter Installation with PMI Meter Setter

Labor	Rate/hr	Rate/hr w/benefits	Avg time to Install	Total
Plumber	\$43.00	\$59.34	0.75	\$44.51
WM Machinist	\$35.25	\$48.65	0.75	\$36.49
Cargo Van	\$11.40	\$11.40	0.75	\$8.55
Sub-Total				\$89.54

Material	Number Required	Unit Price	Total
5/8" Meter with AMR Transmitter	1	\$ 116.00	\$116.00
3/4" Meter washer	2	\$ 0.11	\$0.22
1" Ground Clamp	2	\$ 6.81	\$13.62
3/4" PMI Meter Setter w/valves	1	\$ 105.40	\$105.40
3/4" Copper Press fitting	1	\$ 8.82	\$8.82
Brass adaptor to 3/4" NPT	1	\$ 11.08	\$11.08
38 " Electric wire for ground	1	\$ 1.99	\$1.99
1x 3/4" Bushing	1	\$ 9.75	\$9.75
Sub-Total			\$266.88
Total			\$356.42

Difference between methods:

Annual Overall Cost of vertical installs (6,700 installs) \$2,376,150
 Annual Savings on vertical installs \$428,750
 % savings on vertical installs 18%

COMMODITY CODE	DESCRIPTION	UNIT OF MEASURE	Estimated Quantities	AMR Installation UNIT PRICE	Installation Extended	AMR Equipment Unit Price	Equipment Extended	AMR Labor Unit Price	Labor Extended
	Installation Interface Modification and Troubleshooting Fee. Per 8 hour day.	Hour	100	\$ 175.00	\$ 17,500.00	\$ -	\$ -	\$ 175.00	\$ 17,500.00
	Water Services Termination Fee. Per job fee for shutting off water service at the buffalo box where authorized by DWM. Will be performed by a licensed plumber.	each	250	\$ 106.00	\$ 26,500.00	\$ -	\$ -	\$ 106.00	\$ 26,500.00
	Water Services Restoration Fee. Per job fee for restoring water service at the buffalo box where authorized by DWM. Will be performed by a licensed plumber.	each	750	\$ 106.00	\$ 78,750.00	\$ -	\$ -	\$ 106.00	\$ 78,750.00
	Buffalo Box Blowout Service Fee. Per job fee, where authorized, to clear dirt and debris from inside the buffalo box or curb box using a high volume compressor.	each	750	\$ 206.00	\$ 154,500.00	\$ -	\$ -	\$ 206.00	\$ 154,500.00
	Valve Replacement Fee, 1 inch and smaller. For maintenance, where authorized. Per job fee in addition to a meter retrofit or replacement. Includes b-box turn off.	each	350	\$ 400.00	\$ 140,000.00	\$ -	\$ -	\$ 400.00	\$ 140,000.00
	Valve Replacement Fee, 1 1/2 and 2 inch. For maintenance, where authorized. Per job fee in addition to a meter retrofit or replacement. Includes b-box turn off.	each	250	\$ 600.00	\$ 125,000.00	\$ -	\$ -	\$ 600.00	\$ 125,000.00
	Valve Replacement Fee, 3 inch. For maintenance, where authorized. Per job fee in addition to a meter retrofit or replacement. Includes b-box turn off.	each	75	\$ 776.47	\$ 58,236.25	\$ -	\$ -	\$ 776.47	\$ 58,236.25
	Emergency Rehabilitation of Existing Water Meter Service (Outside Pit 3/4" & 1") where authorized. Includes: Diggers holes, Excavation, Pipe Cut, New Riser Pipe, Meter Box, Lid, Backfill To Grade, Debris Removal, up to 18' of pipe replacement, Cannon 24S Pit, Frame & Ring Re-used, New City of Chicago Lid. Valve additional if not reused. Additional restoration (pavement, sidewalk, curbing, sodding, etc.) to be done by City Restoration Contractor.	each	100	\$ 3,300.00	\$ 330,000.00	\$ 1,000.00	\$ 100,000.00	\$ 4,300.00	\$ 430,000.00
	New R1911B Framed Ring (Neenah) - where authorized - if existing cannot be reused	each	100	\$ 171.00	\$ 17,100.00	\$ -	\$ -	\$ 171.00	\$ 17,100.00
	Additional Riser/Service Pipe & Fittings (1") -- where authorized and pipe replacement exceeds 18' includes necessary fittings. Valves replacement separate.	LF	500	\$ 91.00	\$ 45,500.00	\$ -	\$ -	\$ 91.00	\$ 45,500.00
	Additional Riser/Service Pipe & Fittings (1.5") - where authorized and pipe replacement exceeds 18' - includes necessary fittings. Valves replacement separate.	LF	500	\$ 98.00	\$ 48,000.00	\$ -	\$ -	\$ 98.00	\$ 48,000.00
	Additional Riser/Service Pipe & Fittings (2") - where authorized and pipe replacement exceeds 18' - includes necessary fittings. Valves replacement separate.	LF	100	\$ 104.00	\$ 10,400.00	\$ -	\$ -	\$ 104.00	\$ 10,400.00
	Replacement of B-Box (1" - 1-1/2") - where authorized - includes excavation/backfill to grade and required fittings.	each	300	\$ 650.00	\$ 195,000.00	\$ 300.00	\$ 90,000.00	\$ 950.00	\$ 285,000.00
	Replacement of B-Box (1") with Curb Stop - where authorized - includes excavation/backfill to grade and required fittings.	each	300	\$ 936.00	\$ 280,800.00	\$ 300.00	\$ 90,000.00	\$ 1,236.00	\$ 370,800.00
	Replacement of B-Box (1-1/2") with Curb Stop - where authorized - includes excavation/backfill to grade and required fittings.	each	50	\$ 1,230.00	\$ 61,500.00	\$ 300.00	\$ 15,000.00	\$ 1,530.00	\$ 76,500.00
	Ground Clamps and Strap Installation - 1/2" to 1"	each	6000	\$ 1.00	\$ 6,000.00	\$ 22.00	\$ 132,000.00	\$ 23.00	\$ 138,000.00
	Meter Sealing (seal wire and seal installation)	each	1	\$ -	\$ -	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00
	Exterior Mounted MIU, meter is located inside premise 1" or smaller meter - THIS PRICE DOES NOT REPLACE CURRENT CONTRACT PRICE; SEE NEXT TAB FOR DISCUSSION	each	1	\$ 82.00	\$ 82.00	\$ -	\$ -	\$ 82.00	\$ 82.00
	Exterior Mounted MIU, meter is located inside premise larger than 1" - THIS PRICE DOES NOT REPLACE CURRENT CONTRACT PRICE; SEE NEXT TAB FOR DISCUSSION	each	1	\$ 92.00	\$ 92.00	\$ -	\$ -	\$ 92.00	\$ 92.00
	Hands-on training for installation of meter setter - 4 hrs for up to 15 people at 3rd & Iron	Hour	4	\$ 175.00	\$ 700.00	\$ -	\$ -	\$ 175.00	\$ 700.00
	3/4" Meter Setter Vertical Mount - see specifications below***	each	4000	\$ -	\$ -	\$ 165.40	\$ 421,600.00	\$ 165.40	\$ 421,600.00
	3/4" Meter Setter Horizontal Mount ***	each	40	\$ -	\$ -	\$ 111.30	\$ 4,452.00	\$ 111.30	\$ 4,452.00
	Copper Press fitting compatible with setter (3/4").	each	433	\$ -	\$ -	\$ 8.82	\$ 3,819.06	\$ 8.82	\$ 3,819.06
	Galvanized Press fitting compatible with setter (3/4").	each	1800	\$ -	\$ -	\$ 9.52	\$ 12,376.00	\$ 9.52	\$ 12,376.00
	Brass fitting male to setter on one end and nominal 3/4" NPT on other end.	each	2000	\$ -	\$ -	\$ 11.08	\$ 22,160.00	\$ 11.08	\$ 22,160.00
	Copper Compression 3/4" (Fitting B1).	each	433	\$ -	\$ -	\$ 8.82	\$ 3,819.06	\$ 8.82	\$ 3,819.06
	Copper Sweet Fitting 3/4" (Fitting B5). N	each	433	\$ -	\$ -	\$ 8.82	\$ 3,819.06	\$ 8.82	\$ 3,819.06
	Galvanized Compression 3/4" (Fitting B2).	each	1300	\$ -	\$ -	\$ 17.20	\$ 22,360.00	\$ 17.20	\$ 22,360.00
	Brass Fitting - 3/4" Female NPT for connection to existing NPT and male thread to setter (Fitting B7)	each	2000	\$ -	\$ -	\$ 11.08	\$ 22,160.00	\$ 11.08	\$ 22,160.00
	3/4" Press Jaws for Galvanized press fittings.	each	17	\$ -	\$ -	\$ 282.00	\$ 4,794.00	\$ 282.00	\$ 4,794.00
	1" Meter Setter Vertical Mount - see specifications below****	each	4500	\$ -	\$ -	\$ 206.12	\$ 927,540.00	\$ 206.12	\$ 927,540.00
	1" Meter Setter Horizontal Mount ****	each	45	\$ -	\$ -	\$ 212.87	\$ 9,579.15	\$ 212.87	\$ 9,579.15
	Copper Press fitting compatible with setter (1")	each	457	\$ -	\$ -	\$ 11.08	\$ 22,160.00	\$ 11.08	\$ 22,160.00

Galvanized Press fitting compatible with seller (1').	each	1462	\$ -	\$ 20.82	\$ 30,438.84	\$ 20.82	\$ 30,438.84
Brass fitting male to seller on one end and nominal 1" NPT on other end.	each	2250	\$ -	\$ 20.46	\$ 46,035.00	\$ 20.46	\$ 46,035.00
Copper Compression 1" (Fitting B1).	each	487	\$ -	\$ 20.46	\$ 9,964.02	\$ 20.46	\$ 9,964.02
Copper Sweat Fitting 1" (Fitting B5).	each	487	\$ -	\$ 20.46	\$ 9,964.02	\$ 20.46	\$ 9,964.02
Galvanized Compression 1" (Fitting B2).	each	1462	\$ -	\$ 36.49	\$ 51,886.38	\$ 36.49	\$ 51,886.38
Brass Fitting - 1" Female NPT for connection to existing NPT and male thread to seller (Fitting B7)	each	2250	\$ -	\$ 20.46	\$ 46,035.00	\$ 20.46	\$ 46,035.00
1" Press Jaws for Galvanized press fittings.	each	17	\$ -	\$ 360.00	\$ 6,120.00	\$ 360.00	\$ 6,120.00
Copper Press fitting compatible with seller (1.25").	each	54	\$ -	\$ 124.24	\$ 6,708.96	\$ 124.24	\$ 6,708.96
Galvanized Press fitting compatible with seller (1.25").	each	162	\$ -	\$ 127.06	\$ 20,583.72	\$ 127.06	\$ 20,583.72
Brass fitting male to seller on one end and nominal 1.25" NPT on other end.	each	250	\$ -	\$ 501.18	\$ 125,295.00	\$ 501.18	\$ 125,295.00
Copper Compression 1.25" (Fitting B1).	each	54	\$ -	\$ 36.86	\$ 1,980.44	\$ 36.86	\$ 1,980.44
Copper Sweat Fitting 1.25" (Fitting B5).	each	54	\$ -	\$ 36.86	\$ 1,980.44	\$ 36.86	\$ 1,980.44
Galvanized Compression 1.25" (Fitting B2).	each	162	\$ -	\$ 70.08	\$ 11,352.96	\$ 70.08	\$ 11,352.96
Brass Fitting - 1.25" Female NPT for connection to existing NPT and male thread to seller (Fitting B7)	each	250	\$ -	\$ 36.86	\$ 9,215.00	\$ 36.86	\$ 9,215.00
1.25" Press Jaws for Galvanized press fittings.	each	17	\$ -	\$ 1,976.47	\$ 33,599.99	\$ 1,976.47	\$ 33,599.99
1.5" Meter Setter Vertical Mount - see specifications below***	each	1000	\$ -	\$ 561.88	\$ 561,880.00	\$ 561.88	\$ 561,880.00
1.5" Meter Setter Horizontal Mount ***	each	10	\$ -	\$ 582.94	\$ 5,829.40	\$ 582.94	\$ 5,829.40
Copper Press fitting compatible with seller (1.5").	each	108	\$ -	\$ 68.18	\$ 7,471.44	\$ 68.18	\$ 7,471.44
Galvanized Press fitting compatible with seller (1.5").	each	325	\$ -	\$ 68.18	\$ 22,483.50	\$ 68.18	\$ 22,483.50
Brass fitting male to seller on one end and nominal 1.5" NPT on other end.	each	500	\$ -	\$ 55.06	\$ 27,530.00	\$ 55.06	\$ 27,530.00
Copper Compression 1.5" (Fitting B1).	each	108	\$ -	\$ 55.06	\$ 5,946.48	\$ 55.06	\$ 5,946.48
Copper Sweat Fitting 1.5" (Fitting B5).	each	108	\$ -	\$ 55.06	\$ 5,946.48	\$ 55.06	\$ 5,946.48
Galvanized Compression 1.5" (Fitting B2).	each	325	\$ -	\$ 115.76	\$ 37,622.00	\$ 115.76	\$ 37,622.00
Brass Fitting - 1.5" Female NPT for connection to existing NPT and male thread to seller (Fitting B7)	each	500	\$ -	\$ 55.06	\$ 27,530.00	\$ 55.06	\$ 27,530.00
1.5" Press Jaws for Galvanized press fittings.	each	17	\$ -	\$ 2,541.18	\$ 43,200.06	\$ 2,541.18	\$ 43,200.06
LABOR SUBJECT TO MBE EQUIPMENT NOT SUBJECT TO MBE TOTAL			\$ 1,586,659.25	\$ 3,052,182.48	\$ 4,648,841.73		\$ 4,648,841.73

***Per our discussion today with Andrea Putz, Irene Caminer, Steve Tancilio and Lindsey Wickman, and your request, we are providing the following price quote on 20,000 meter setter units for the City's to use for meter cut-in installations. In our discussion, neither the City Water Department nor the City Legal Department viewed Badger Meter's provision of such pricing to the City as a conflict of interest of any type under section 15.6 of the City's current AMR contract with Badger Meter, Inc. 3/27/09

OUTSIDE FIT Procedures:

When the break occurs, requiring repair to the meter pit and associated plumbing, BAI installation personnel will notify the City and Pit Repair Crew. Pit Repair Crew will contact utility locate (Digger) and begin work within 2-hours. The Pit Repair Crew will have all the required tools, equipment, materials, and personnel to effect the repair. Personnel will include, but not be limited to (Plumber, Operator, Laborer). If Digger does not mark utilities within 2-hour window after initial notification, BAI will not be responsible for utilities that are encountered during repair. Repair will generally include, but not be limited to - Excavation of the affected area, removal and replacement of the meter pit box, repair of the service line from the B-box to the pit and meter lines to the meter (City Side), and backfill of area to grade. Restoration of landscaping or pavement will be by others. Cost and issuance of all required permits for repair activities will be the responsibility of the City.

Manufacturing Quality Certificates and Standards for the valve body

1. Manufactured to ISO 9001 Standards
2. Will comply with NSF / ANSI 61 drinking water standard
3. Valve is warranted for 7 years

Valve Body Specifications

1. Made out of Forged CR (Corrosion Resistant) Brass also commonly known as DZR brass
2. Valves are rated at 600 PSI
3. Valves are full port

Copper Horns are certified to the following standards

1. Copper is certified to ASTM B 75 and ASTM B280
2. Fabrication per ASTM 18.22
3. Meets Brazing standard of ASME Section 9
4. Meets Brazing standard AWF Standards

Copper Horn Specifications

1. Made of type L copper
2. Made Domestically in the USA
3. Assembled Soldered/Brazed into valve assembly and boxed in the USA

Fast Lock Galvanized Brass fitting approvals

1. Approved by IAPMO to IGC 253 (standards referenced in IGC 253 are ASME B16.3, ASTM A 197, ASTM F 1367, and NSF/ANSI 61)
2. Will test fitting to NSF 61 drinking water standard
3. Gas Approval IMQ Lab - approval n. CA06.00234 (European Standard)
4. Water Approval standard UNI 11176 - AOM Lab - approval n. 2007-488PP (European Standard)
5. Fitting Guaranteed for 50 years

ChemPress Copper Press Fittings

1. Will comply with NSF-61 standard
2. Guaranteed for 50 years
3. Made of CR Brass (Corrosion Resistant or DZR Brass)

* Initial order requires approximately 120-150 days for final delivery of material to accommodate tooling as manufacturing set up.