

PURCHASING DIVISION
CITY OF WORCESTER
MASSACHUSETTS 01608-1895
ROOM 201 - CITY HALL, 455 MAIN ST.
PHONE (508) 799-1220

SEALED BID INVITATION
(Supplies, Material, Equipment, Services)

AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER

SEALED BID NO. CR-8041-W4

DATE: June 14, 2023

CITY OF WORCESTER
Christopher J. Gagliastro, MCPPO
Purchasing Agent

BUYER: Christopher J. Gagliastro

NOTICE TO BIDDERS
TERMS AND CONDITIONS

All bids are subject to the terms and conditions and specificity herein set forth except where specifically deleted by the City of Worcester in Section No. 6 below.

COMPLETE ORIGINAL COPY (including ALL pages) OF THIS BID MUST BE SUBMITTED IN A SEALED ENVELOPE:

DATE: JULY 5, 2023 TIME: 10:00 A.M. LOCAL TIME

PLACE: Purchasing Division, Room 201, City Hall, Worcester, Massachusetts

MARK SEALED ENVELOPE **"Sealed Bid No. CR-8041-W3, Sampling Services – Sewer Operations / DPW & P"**

The name and address of the bidder must appear in the upper left hand corner of the envelope. The City of Worcester is not responsible for bids not properly marked.

GENERAL

1. This Bid Invitation covers: provide sampling services for Sewer Operations as per the attached requirements and specifications of the City of Worcester Department of Public Works & Parks for a period of one year from date of contract and at the sole discretion of the City to renew for a second and third year. The option to be determined at the end of the current contract year. (See page 10).
2. A certified check or bid bond made payable to the "City Treasurer, City of Worcester" in the Amount of \$ N/A must accompany this bid.
3. All bids received will be publicly opened and read in the Bid Room at City Hall at date and time shown above.
NO BID WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED
4. A performance bond in the amount of \$ N/A of the total dollar award is required.
5. A payment bond in the amount of \$ N/A of the total dollar award is required.
6. All terms and conditions are applicable to this proposal except the following section numbers which are hereby deleted from this invitation: all apply
7. **Other:** Please go to <http://www.worcesterma.gov/e-services/bids/closed-bids> to obtain results.

Questions pertaining to this bid **must be** directed to Christopher J. Gagliastro via e-mail at gagliastroc@worcesterma.gov

8. The following meanings are attached to the defined words when used in this bid form.
 - (a) The word "City" means The City of Worcester, Massachusetts.
 - (b) The word "Bidder" means the person, firm or corporation submitting a bid on these specifications or any part thereof.
 - (c) The word "Contractor" means the person, firm or corporation with whom the contract is made by carrying out the provisions of these specifications and the contract.
 - (d) The words "Firm Price" shall mean a guarantee against price increases during the life of the contract.
9. Any prospective bidder requesting a change in or interpretation of existing specifications of terms and conditions must do so within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date. All requests are to be in writing to the Purchasing Division (or e-mailed at: gagliastroc@worcesterma.gov). No changes will be considered or any interpretation issued unless the request is in our hands within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date.
10. The contractor will be required to indemnify and save harmless the City of Worcester, for all damages to life and property that may occur due to his negligence or that of his employees, subcontractors, etc., during this contract.
11. The Contract Agreement will be in the form customarily employed by the City of Worcester and is on file in the Purchasing Division at City Hall.
12. Bids which are incomplete, not properly endorsed, or signed, or otherwise contrary to these instructions will be rejected as informal by the Purchasing Agent. **Conditional bids will not be accepted.**
13. The Bidder must certify that no official or employee of the City of Worcester, Massachusetts is pecuniarily interested in this proposal or in the contract which the bidder offers to execute or in expected profits to arise therefrom, unless there has been compliance with provisions of G.L. C. 43 Sec. 27, and that this bid is made in good faith without fraud or collusion or connection with any other person submitting a proposal.
14. As the City of Worcester is exempt from the payment of Federal Excise Taxes and Massachusetts Sales Tax, prices quoted herein are not to include these taxes.
15. All prices are to be firm F.O.B. Destination, City of Worcester, Massachusetts, unless otherwise indicated by the City. **Time reserved for award is ninety days.**
16. In case of error in the extension prices quoted herein, the unit price will govern.
17. It is understood and agreed that should any price reductions occur between the opening of this bid and delivery of any order, the benefit of all such reductions will be extended to the City.
18. The City of Worcester reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interest of the City.
19. Awards will be made to the bidder quoting the lowest net price in accordance with the specifications.
20. The supplier will be bound by all applicable statutory provisions of law of the Federal Government, the Commonwealth of Massachusetts, the City of Worcester, and the Department of Public Safety of the Commonwealth of Massachusetts.
21. Any bid withdrawn after time and date specified, the bidder shall forfeit deposit on bid as liquidated damages.
22. The contractor will not be permitted to either assign or underlet the contract, not assign either legally or equitably any monies hereunder, or its claim thereto without the previous written consent of the City Treasurer and of the Purchasing Agent of the City of Worcester.
23. If this bid shall be accepted by the City, and the bidder shall fail to contract as aforesaid and to give a bond in the amount as specified in Section 4, within ten (10) days, (not including Sunday or a legal Holiday) from the date of the mailing of a notice from the City to him/her, according to the address given herewith, that the contract is ready for signature, the City may by option determine that the bidder has abandoned the contract and thereupon the proposal and

acceptance shall be null and void and the bid security accompanying this proposal shall become the property of the City as liquidated damages.

24. When quoting, the bidder shall submit a signed copy of this bid form, and if bid accepted by the City shall constitute part of the contract of purchase. Do not detach any part of this form 30B (Sealed Bid Goods & Services) when submitting a bid. Bidder must sign and return complete form 30B (Sealed Bid Goods & Services).
25. If in the judgment of the Purchasing Agent any property is needlessly damaged by an act or omission of the contractor or his/her employees, servants or agent, the amount of such damages shall be determined by the Purchasing Agent of the City of Worcester and such amount shall be deducted from any money due the contractor or may be recovered from said contractor in actions at law.
26. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents and/or Acts of God.

INSURANCE AND WORKER'S COMPENSATION

27. COMMERCIAL GENERAL LIABILITY INSURANCE: Contractor to supply the City of Worcester with certificates of insurance evidencing general liability coverage of not less than \$ 1,000,000.00 per occurrence / \$ 2,000,000.00 aggregate.
28. AUTOMOBILE LIABILITY INSURANCE: Contractor to supply the City of Worcester with certificates of insurance evidencing automobile liability coverage, bodily injury and property damage combined single limit, of \$ 1,000,000.00 (all owned, hired, and non-owned autos).
29. COMPENSATION INSURANCE: The contractor shall furnish the City of Worcester with certificates showing that all of his/her employees who shall be connected with this work are protected under statutory worker's compensation insurance policies.
30. The Contractor shall carry public liability insurance with an insurance company satisfactory to the City so as to save the City harmless from any and all claims for damages arising out of bodily injury to or death of any person or persons, and for all claims for damages arising out of injury to or destruction of property caused by accident resulting from the use of implements, equipment or labor used in the performance of the contractor or from any neglect, default or omission, or want of proper care, or misconduct on the part of the Contractor or for anyone of his employ during the execution of the contract.
31. Prior to starting on this contract, the Contractor shall deposit with the Contracting Officer certificates from the insurer to the effect that the insurance policies required in the above paragraphs have been issued to the Contractor. The certificates must be on a form satisfactory to the Purchasing Agent.
32. Except as may otherwise be stated herein, the Contractor shall also carry bodily injury and property damage insurance in an amount not less than those set forth above covering the operation of all motor powered vehicles owned or operated by the Contractor and engaged in this contract.

DISCOUNT

33. Prompt pay discounts will be considered when determining the low bid except when discounts are for a period of less than 30 days. In this event discounts will not be taken into consideration when determining low bid.
34. Time, in connection with discount offered, will be computed from date of completion and/or delivery and acceptance at destination, or from date correct bill or voucher properly certified by the contract is received if the latter date is later than the date of completion and acceptance and/or delivery and acceptance.

GUARANTEE

35. The bidder to who a contract is awarded guarantees to the City of Worcester all equipment, materials and or workmanship for a period of one (1) year after final inspection and acceptance and shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the City.

DELIVERIES AND COMPLETION

36. It is understood and agreed that in the event of failure on the part of the bidder to indicate date of delivery and/or completion, delivery and/or completion will be made within twelve (12) days from date of notification. Should the successful bidder fail to make delivery or complete contract within time specified, the City reserves the right to make the purchase on such orders at the open market and charge any excess over contract price to the account of the successful bidder, who shall pay the same.
37. The contractor shall familiarize himself with the location and facilities for storage.
38. The City through its Purchasing Division reserves the right to divert delivery from one location to another, and to allow for any change in operating conditions or for any other cause not now foreseen and to proportion deliveries according to available storage facilities.

SAMPLING AND ANALYSIS

39. Each bidder must state the commercial name of the product quoted, name, and address of operator or agent from whom the product will be purchased and in addition shall furnish an analysis of the product, date of analysis, by whom made and their address.
40. Samples of the product to be delivered may be taken by a representative of the City, either prior to delivery or while it is being delivered in the storage facilities at destination, or will be taken from the storage facilities to which the product has been delivered as determined from time to time by the Purchasing Agent. Bidder agrees to furnish the necessary manual labor, without additional cost required to assemble the physical samples, which is to be performed under the direction of the City representative.
41. The representative of the City taking the samples shall be given the opportunity, while sampling, to affix his or her signature to the delivery slip each item represented in his/her sample.
42. Any product after the sampling and analysis, not found meeting the requirements of the contract shall be sufficient cause for the cancellation of the contract at the option of the Purchasing Agent.
43. If any product is found that does not meet the analysis submitted by the bidder in his/her proposal, the Purchasing Agent may, at his or her option, exercise his/her right to reject the product and require that all or any part thereof shall be removed promptly by and at the expense of the contractor and replace it forthwith with a product satisfactory to the Purchasing Agent, or to retain the product and compensate the contractor in an amount as determined by the Purchasing Agent and the City Manager.
44. It is understood and agreed that it shall be a material breach of any contract resulting from this bid for the Contractor to engage in any practice which shall violate any provisions of Massachusetts General Laws, Chapter 151B, relative to discrimination in hiring, discharge, compensation, or terms, conditions or privileges of employment because of race, color, religious creed, national origin, sex, age or ancestry.
45. The undersigned as bidder, declares that the only parties interested in this proposal as principals are named herein; that this proposal is made without collusion with any other person, firm or corporation, that no officer or agent of the City is directly or indirectly interested in this bid; and he/she proposes and agrees that if this proposal is accepted he/she will contract with the City in accordance with the specifications, also the terms and conditions as spelled out in this bid form.
46. No Person, including but not limited to corporations, partnerships, limited partnerships or limited liability corporations, shall be eligible to receive a contract under this invitation to bid and/or requires for proposal if that person has been convicted of any felony offense involving the distribution of controlled substances as that term is defined under Chapter 94C of the General Laws and, for contracts to be performed for on-site services to the Worcester Public Schools, if that person or any person to be employed by that person in the performance of such on-site services has been convicted of a "sex offense" or a "sex offense involving a child" or a "sexually violent offense" or would meet the definition of "sexually violent predator" as those terms are defined in Section 178C of the General Laws and who must register with the sex offender registry board.

47. The Contractor shall at all times enforce strict discipline and good order among his employees and shall not employ for work or services relating to this contract any unfit person or anyone not skilled in the task assigned to him. In light of the fact that the performance of this contract requires the Contractor and its employees to have significant interaction with the public, the Contractor shall require all employees who may perform services under this contract to conduct themselves in a courteous, professional manner. If the Contractor is notified by the Contract Officer that any person engaged upon the work is incompetent, unfaithful, disorderly, discourteous, or otherwise unsatisfactory, then such person shall be discharged from providing services or work pursuant to this contract. Without limiting the generality of the foregoing, intimidation, threats and/or violent conduct of any kind or nature directed to members of the public are absolutely prohibited. Failure to comply with this requirement shall be grounds for termination of the contract.
48. The Contractor's performance may be evaluated on an ongoing basis including but not limited to consideration of complaints received from members of the public. In order to facilitate this evaluation, the Contractor shall provide the City with documents and records upon request. The Contractor shall further obtain from its employees authorization that appropriate City personnel may obtain all available criminal offender information ("CORI") from the Criminal History Systems Board. A high number of unresolved complaints, any number of complaints that are particularly severe, or employment of individuals who have been convicted of assault or other violent crimes shall be grounds for the early termination or non-renewal of the contract by the City.
49. The procurement officer shall award the contract to the lowest responsible and responsive bidder. The term "responsible bidder" means "a person who has the capability to perform fully the contract requirements, and the integrity and reliability which assures good faith performance." Consistent with its duty to maintain public order and promote public safety, the City has determined that this contract is of a type and nature so as to be particularly sensitive due, at least in part, to the contractor's inherent access and dealings with the members of the general public. Therefore, the City has concluded that additional scrutiny is justified as it determines whether a particular bidder is responsible, having the integrity and reliability to properly perform the requested services. This may entail consideration of the contractor's system of oversight, training and supervision of its employees, including but not limited to its requirement of a high standard of customer service and courtesy in its dealings with the public. The bidder's care and diligence in hiring and assigning its employees will also be considered. In making its determination, the City reserves the right to examine any and all information at its disposal, including but not limited to prior City contracts, the experiences and information obtained from current and former customers (whether identified by the bidder as references or not), as well as other sources available to the City, including but not limited to court documents, newspapers, financial reports (such as DUNS), and certain police data and reports.
50. The Contractor, acting through its owner(s) or any of its employees, or its agents or sub-contractors and any of their employees, shall not engage in any behavior, whether during the course of its duties under this contract or at any other time, that is illegal, criminal or otherwise shocking or offensive to the general public. The determination whether any particular behavior is illegal, criminal or shocking to the general public shall rest in the sound judgment of the Contracting Officer or the City Manager. In making such determination, the Contracting Officer or the City Manager shall apply the general standards of the community. No criminal conviction or formal charges shall be required to make such determination. Such behavior need be something more than trivial and something which would cause the general public to have concerns either about the safety of individuals coming in contact with the Contractor or about the character and integrity of the individuals with which the City does business. Violation of this provision shall be grounds for immediate and unilateral termination of this contract by the City upon five days' notice as otherwise provided herein

GIVE FULL NAMES AND RESIDENCES OF ALL PERSONS INTERESTED IN THE FOREGOING PROPOSAL.

(NOTICE: Give first and last name in full; in case of corporations, give corporate name and names of President, Treasurer, and Manager; and in case of firms give names of the individual members)

Name	Address	Zip Code
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

KINDLY FURNISH THE FOLLOWING INFORMATION REGARDING BIDDER:

(1) If a Proprietorship

Name of Owner _____

Business Address _____

Zip Code _____ Telephone No. _____

Home Address _____

Zip Code _____ Telephone No. _____

(2) If a Partnership

Full names and addresses of all partners

<u>Name</u>	<u>Address</u>	<u>Zip Code</u>
-------------	----------------	-----------------

_____	_____	_____
-------	-------	-------

_____	_____	_____
-------	-------	-------

_____	_____	_____
-------	-------	-------

Business Address _____ Zip Code _____

Tel. No. _____

(3) If a Corporation

Full Legal Name _____

State of Incorporation _____ Qualified in Massachusetts ? Yes _____ No _____

Principal Place of Business _____

Street P.O. Box

City/Town State Zip

Telephone No. _____

Place of Business in Massachusetts _____

Street P.O. Box

City/Town State Zip

Telephone No. _____

GIVE THE FOLLOWING INFORMATION REGARDING SURETY COMPANY

Full Legal Name of Surety Company _____

State of Incorporation _____ Admitted in Massachusetts ? Yes _____ No _____

Principal Place of Business _____

Street P.O. Box

City/Town State Zip

Place of Business in Massachusetts _____

Street P.O. Box

City/Town State Zip

Telephone No. _____

NOTE

The Office of the Attorney General, Washington, D.C. requires the following information on all bid proposals amounting to \$1,000.00 or more.

F.I.D. Number of bidder _____

This number is regularly used by companies when filing their "EMPLOYER'S FEDERAL TAX RETURN, U.S." Treasury Department Form 941.

AUTHORIZED SIGNATURE OF BIDDER _____ TITLE _____
PLEASE SIGN

DATE _____ BID SECURITY \$ _____

The name of Customer Service Representative and the Contract Administrator responsible for servicing this account in the event of contract award are:

NAME (PLEASE PRINT) *Customer Service Rep.* _____ TEL. NO. _____

NAME (PLEASE PRINT) *Contract Administrator* _____ TEL. NO. _____

FAX NUMBER _____ FAX # _____

E-MAIL (Customer Service Rep.): _____

E-MAIL (Contract Administrator): _____

UNDER MASSACHUSETTS GENERAL LAWS, CHAPTER 30B: SECTION 10, THE FOLLOWING CERTIFICATION MUST BE PROVIDED:

Section 10. A person submitting a bid or a proposal for the procurement or disposal of supplies, or services to any governmental body shall certify in writing, on the bid or proposal, as follows:

" The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals."

(Please Print) _____
Name of Person Signing Bid

Signature of Person Signing Bid

Company

No award will be made without vendor certification of the above.

DISCLOSURE OF CONTRACT RENEWAL

This contract may be renewed for a second and third year at the sole discretion of the City of Worcester, the option of which will be determined at the end of the current contract year.

In no event will increase exceed _____ % for the second contract year.
(TO BE COMPLETED BY BIDDER)

In no event will increase exceed _____ % for the third contract year.
(TO BE COMPLETED BY BIDDER)

Name

Date

Title

IF VENDOR DOES NOT WISH TO BE CONSIDERED FOR A SECOND & THIRD YEAR OPTION,
PLEASE INDICATE BY CHECKING THIS BOX: ☐

IMPORTANT

It is understood and agreed, that failure by the bidder to complete the above increase statement, it is the bidders intent to accept a second and third year option at zero (0) percent increase.

All other Terms and Conditions to remain the same.

Sampling Services – Sewer Operations / DPWP ~ Specifications

BID #: CR-8041-W4

OVERVIEW

The City of Worcester Department of Public Works and Parks Sewer Operations Division seeks a qualified Contractor to perform laboratory analysis and report analytical results for surface water, stormwater, combined sewer effluent, and soil sampling. Services will include the delivery of the appropriate properly preserved bottles prior to sampling, analysis of samples per the approved regulatory standard methods and analytical results delivered in standard laboratory report format. **The Contractor must be a Massachusetts state certified laboratory and have an active Massachusetts Department of Environmental Protection Certification for all parameters indicated other than the bioassay analysis, which can be subcontracted to an approved laboratory.** Bidder to provide evidence of compliance with this section with bid submission.

The contract shall be for a one year period from date of contract. The contract may be renewed, at the sole discretion of the City, for two additional one year periods. Refer to page 10 of front-end documents for renewal options.

TASK BREAKDOWN

The contractor will analyze samples for the following parameters using the specific methods and report results with a reporting limit less than or equal to that specified. Bidders should include a cost per sample requested that shall include all associated costs including, but not limited to, sample container(s), preservative, courier fees and reporting.

METHODS

Laboratory methodology should follow approved methods in attached permit for Whole Effluent Toxicity and Com-97 for catch basin waste samples.

Various Stormwater Sampling (Water)

Stormwater	Reporting Limit	Units
Nitrogen, Nitrite	0.02	mg/l
Solids, Total Suspended	5	mg/l
Total Nitrogen	0.3	mg/l
Nitrogen, Total Kjeldahl	0.3	mg/l
Nitrogen, Nitrate	0.1	mg/l
Oil & Grease, Hem-Grav	4	mg/l
E. Coli (MPN)	1	MPN/100ml
E. Coli (MF)	1	col/100ml
Nitrogen, Ammonia	0.075	mg/l

Whole Effluent Toxicity Sampling (Water)

Toxicity	Reporting Limit	Units
Aluminum, Total	0.1	mg/l
Cadmium, Total	0.005	mg/l
Calcium, Total	0.1	mg/l
Chromium, Total	0.01	mg/l
Copper, Total	0.01	mg/l
Lead, Total	0.01	mg/l
Magnesium, Total	0.1	mg/l
Nickel, Total	0.025	mg/l
Zinc, Total	0.05	mg/l
Nitrogen, Nitrite	0.02	mg/l
Solids, Total	10	mg/l
Solids, Total Suspended	5	mg/l
Phosphorus, Orthophosphate	0.005	mg/l
Dissolved Oxygen	0.1	mg/l
Phosphorus, Total	0.01	mg/l
Phosphorus, Total	0.01	mg/l
Total Nitrogen	0.3	mg/l
Total Organic Carbon	0.5	mg/l
Alkalinity, Total	2	mg CaCO ₃ /L
Specific Conductance	10	umhos/cm
Chlorine, Total Residual	0.02	mg/l
Nitrogen, Total Kjeldahl	0.3	mg/l
Nitrogen, Nitrate	0.1	mg/l
Cyanide, Total	0.005	mg/l
Solids, Total Dissolved	10	mg/l
pH	0	SU
Nitrogen, Ammonia	0.075	mg/l
Hardness	0.66	mg/l
Bioassay C. dubia 48-h LC50		

Catch Basin Waste Sampling (Soil)

General Chemistry	Units
Specific Conductance @ 25 C	umhos/cm
Solids, Total	%
pH (H)	SU
Phosphorus, Total	mg/kg
Cyanide, Reactive	mg/kg
Sulfide, Reactive	mg/kg
Microbiological Analysis	Units
Coliform, Fecal (MPN)	MPN/gm
Ignitability of Solids	Units
Ignitability	-
MCP Total Metals	Units
Arsenic, Total	mg/kg
Barium, Total	mg/kg
Cadmium, Total	mg/kg
Chromium, Total	mg/kg
Lead, Total	mg/kg
Mercury, Total	mg/kg
Selenium, Total	mg/kg
Silver, Total	mg/kg

Catch Basin Waste Sampling (Soil) Continued

MCP Volatile Organics by EPA 5035	Units
1,1,1,2-Tetrachloroethane	mg/kg
1,1,1-Trichloroethane	mg/kg
1,1,2,2-Tetrachloroethane	mg/kg
1,1,2-Trichloroethane	mg/kg
1,1-Dichloroethane	mg/kg
1,1-Dichloroethene	mg/kg
1,1-Dichloropropene	mg/kg
1,2,3-Trichlorobenzene	mg/kg
1,2,3-Trichloropropane	mg/kg
1,2,4-Trichlorobenzene	mg/kg
1,2,4-Trimethylbenzene	mg/kg
1,2-Dibromo-3-chloropropane	mg/kg
1,2-Dibromoethane	mg/kg
1,2-Dichlorobenzene	mg/kg
1,2-Dichloroethane	mg/kg
1,2-Dichloroethene, Total	mg/kg
1,2-Dichloropropane	mg/kg
1,3,5-Trimethylbenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,3-Dichloropropane	mg/kg
1,3-Dichloropropene, Total	mg/kg
1,4-Dichlorobenzene	mg/kg
1,4-Dioxane	mg/kg
2,2-Dichloropropane	mg/kg
2-Hexanone	mg/kg
Acetone	mg/kg
Benzene	mg/kg
Bromobenzene	mg/kg
Bromochloromethane	mg/kg
Bromodichloromethane	mg/kg
Bromoform	mg/kg
Bromomethane	mg/kg
Carbon disulfide	mg/kg
Carbon tetrachloride	mg/kg
Chlorobenzene	mg/kg
Chloroethane	mg/kg
Chloroform	mg/kg
Chloromethane	mg/kg
cis-1,2-Dichloroethene	mg/kg

Catch Basin Waste Sampling (Soil) Continued

MCP Volatile Organics by EPA 5035	Units
cis-1,3-Dichloropropene	mg/kg
Dibromochloromethane	mg/kg
Dibromomethane	mg/kg
Dichlorodifluoromethane	mg/kg
Diethyl ether	mg/kg
Diisopropyl Ether	mg/kg
Ethyl-Tert-Butyl-Ether	mg/kg
Ethylbenzene	mg/kg
Hexachlorobutadiene	mg/kg
Isopropylbenzene	mg/kg
Methyl ethyl ketone	mg/kg
Methyl isobutyl ketone	mg/kg
Methyl tert butyl ether	mg/kg
Methylene chloride	mg/kg
n-Butylbenzene	mg/kg
n-Propylbenzene	mg/kg
Naphthalene	mg/kg
o-Chlorotoluene	mg/kg
o-Xylene	mg/kg
p-Chlorotoluene	mg/kg
p-Isopropyltoluene	mg/kg
p/m-Xylene	mg/kg
sec-Butylbenzene	mg/kg
Styrene	mg/kg
tert-Butylbenzene	mg/kg
Tertiary-Amyl Methyl Ether	mg/kg
Tetrachloroethene	mg/kg
Tetrahydrofuran	mg/kg
Toluene	mg/kg
trans-1,2-Dichloroethene	mg/kg
trans-1,3-Dichloropropene	mg/kg
Trichloroethene	mg/kg
Trichlorofluoromethane	mg/kg
Vinyl chloride	mg/kg
Xylenes, Total	mg/kg

Catch Basin Waste Sampling (Soil) Continued

MCP Semivolatile Organics	Units
1,2,4-Trichlorobenzene	mg/kg
1,2-Dichlorobenzene	mg/kg
1,3-Dichlorobenzene	mg/kg
1,4-Dichlorobenzene	mg/kg
2,4,5-Trichlorophenol	mg/kg
2,4,6-Trichlorophenol	mg/kg
2,4-Dichlorophenol	mg/kg
2,4-Dimethylphenol	mg/kg
2,4-Dinitrophenol	mg/kg
2,4-Dinitrotoluene	mg/kg
2,6-Dinitrotoluene	mg/kg
2-Chloronaphthalene	mg/kg
2-Chlorophenol	mg/kg
2-Methylnaphthalene	mg/kg
2-Methylphenol	mg/kg
2-Nitrophenol	mg/kg
3,3'-Dichlorobenzidine	mg/kg
3-Methylphenol/4-Methylphenol	mg/kg
4-Bromophenyl phenyl ether	mg/kg
4-Chloroaniline	mg/kg
4-Nitrophenol	mg/kg
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Acetophenone	mg/kg
Aniline	mg/kg
Anthracene	mg/kg
Azobenzene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
Bis(2-chloroethoxy)methane	mg/kg
Bis(2-chloroethyl)ether	mg/kg
Bis(2-chloroisopropyl)ether	mg/kg
Bis(2-ethylhexyl)phthalate	mg/kg
Butyl benzyl phthalate	mg/kg
Chrysene	mg/kg
Di-n-butylphthalate	mg/kg

Catch Basin Waste Sampling (Soil) Continued

MCP Semivolatile Organics	Units
Di-n-octylphthalate	mg/kg
Dibenzo(a,h)anthracene	mg/kg
Dibenzofuran	mg/kg
Diethyl phthalate	mg/kg
Dimethyl phthalate	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Hexachlorobenzene	mg/kg
Hexachlorobutadiene	mg/kg
Hexachloroethane	mg/kg
Indeno(1,2,3-cd)pyrene	mg/kg
Isophorone	mg/kg
Naphthalene	mg/kg
Nitrobenzene	mg/kg
Pentachlorophenol	mg/kg
Phenanthrene	mg/kg
Phenol	mg/kg
Pyrene	mg/kg
MCP Polychlorinated Biphenyls	Units
Aroclor 1016	mg/kg
Aroclor 1221	mg/kg
Aroclor 1232	mg/kg
Aroclor 1242	mg/kg
Aroclor 1248	mg/kg
Aroclor 1254	mg/kg
Aroclor 1260	mg/kg
Aroclor 1262	mg/kg
Aroclor 1268	mg/kg
PCBs, Total	mg/kg
Petroleum Hydrocarbon Quantitation	Units
TPH (C10-C36)	mg/kg
Volatile Petroleum Hydrocarbons	Units
Benzene	mg/kg
C5-C8 Aliphatics	mg/kg
C5-C8 Aliphatics, Adjusted	mg/kg
C9-C10 Aromatics	mg/kg
C9-C12 Aliphatics	mg/kg
C9-C12 Aliphatics, Adjusted	mg/kg
Ethylbenzene	mg/kg
Methyl tert butyl ether	mg/kg
Naphthalene	mg/kg
o-Xylene	mg/kg
p/m-Xylene	mg/kg
Toluene	mg/kg

Catch Basin Waste Sampling (Soil) Continued

Extractable Petroleum Hydrocarbons	Units
2-Methylnaphthalene	mg/kg
Acenaphthene	mg/kg
Acenaphthylene	mg/kg
Anthracene	mg/kg
Benzo(a)anthracene	mg/kg
Benzo(a)pyrene	mg/kg
Benzo(b)fluoranthene	mg/kg
Benzo(ghi)perylene	mg/kg
Benzo(k)fluoranthene	mg/kg
C11-C22 Aromatics	mg/kg
C11-C22 Aromatics, Adjusted	mg/kg
C19-C36 Aliphatics	mg/kg
C9-C18 Aliphatics	mg/kg
Chrysene	mg/kg
Dibenzo(a,h)anthracene	mg/kg
Fluoranthene	mg/kg
Fluorene	mg/kg
Indeno(1,2,3-cd)Pyrene	mg/kg
Naphthalene	mg/kg
Phenanthrene	mg/kg
Pyrene	mg/kg

SAMPLE EVENT FREQUENCY

Due to the nature of some sampling events, CSO Toxicity, E. Coli and various stormwater samples may often be collected during off hours and on short notice. Bidders are requested to indicate what hours the laboratory is able to accommodate sample drop off. *(Please enter on page 9 of front-end documents.)* When possible DPW&P will give the contractor 24 hour notice of samples to be dropped off for analysis. Sampling will occur based on a number of different events, each requiring different samples and analyses.

E. Coli- Yearly screening activities requires samples for between 70-200 outfalls primarily during the summer, officially ranging between June and October. Sewer contamination investigation requires an undefined amount of sampling and may occur at any time of year.

Whole Effluent Toxicity- Toxicity samples are water samples collected from the City's combined sewer overflow facility. Toxicity samples are required to be taken quarterly. However, samples are taken as discharges occur and therefore multiple samples may be taken in one quarter to make up for periods of dry weather where a discharge does not occur.

CB Waste- Catch basin waste samples are soil samples collected from our catch basin waste storage facility. Catch basin waste samples are collected whenever the City storage facility has reached capacity. This occurs approximately two to three times a year. The catch basin waste is sampled in 500 yard increments; each sample event typically consists of 4-6 sample sites for analysis.

Other undefined projects- The City may take various samples during the year, primarily for stormwater related purposes, such as testing the efficiency of stormwater treatment devices.

SAMPLE CONTAINER DROP-OFF/SAMPLE PICK UP

Sample containers will be supplied by the contractor and delivered via courier to 20 East Worcester Street. Samples will be dropped off to the laboratory by DPW&P personnel. Bottle order requests from DPW&P personnel must be delivered within 48 hours of order. The contractor must have a laboratory facility that can run all parameters listed other than the bioassay analysis which can be subcontracted to an approved laboratory. The laboratory must be located within a 30 mile radius of 20 East Worcester Street, Worcester, Massachusetts.

SAMPLE CONTAINER PREPERATION

Sample containers shall be provided by the Contractor for each sample and parameter as specified in the applicable method. Containers shall be pre-labeled by the Contractor and delivered in a cooler to the specified DPW&P facility.

QUALITY ASSURANCE/QUALITY CONTROL

All analysis and handling of samples shall be in compliance with the requirements set forth in the laboratory's Massachusetts state certification requirements and/or the approved methods.

REPORTING

All analytical results will be submitted to DPW&P in standard laboratory report format within three weeks of samples being dropped off. E. Coli results must be reported within 48 hours. The contractor will email results in a PDF format to the requested email addresses. The Contractor will notify DPW&P immediately in the case of any unexpected problem regarding samples, equipment, data etc.

ADDITIONAL SERVICES

Any additional water or soil sampling services requested by DPW&P Sewer Operations may be performed by this vendor at a rate to be negotiated with the City.

PRICING PAGES - DPW&P Sewer Operations Sampling Analysis ~ Bid #: CR-8041-W4

ITEM NUMBER AND DESCRIPTION	ESTIMATE QUANTITIES	TOTALS
THE BIDDER MUST FILL IN THESE UNIT PRICES. Bidder should also carry out all extensions and fill in "Computed Totals." (In case of error or discrepancies, UNIT PRICES govern and written words take precedence over figures.)		
Item E. Coli		
	Dollars	300 \$
(\$) Each		
Item CSO Toxicity Test		
	Dollars	4 \$
(\$) Each		
Item Catch Basin waste sample		
	Dollars	15 \$
(\$) Each		
Item Solids, Total Suspended		
	Dollars	10 \$
(\$) Each		
Item Oil and Grease		
	Dollars	10 \$
(\$) Each		
Item Total Nitrogen		
	Dollars	10 \$
(\$) Each		
Item Total Phosphorus		
	Dollars	10 \$
(\$) Each		

Item	Surfactants		
		Dollars	10
	(\$ _____) Each		\$ _____

_____ DOLLARS
(AMOUNT IN WORDS)

AND _____ CENTS. \$ _____
(AMOUNT IN FIGURES)

*Must bid all items. Award to be made in the aggregate.