

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO ENTER INTO AN AGREEMENT WITH ARCADIS U.S., INC. FOR PROFESSIONAL ENGINEERING SERVICE RELATIVE TO CONTRACT NO. S-13-001, DEVELOPMENT OF A CREDIT AND INCENTIVE MANUAL FOR THE WATER QUALITY PROGRAM, FOR AN AMOUNT NOT TO EXCEED ONE HUNDRED FORTY-NINE THOUSAND NINE HUNDRED EIGHTY-FIVE DOLLARS (\$149,985.00).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing the Administrator of the Department of Public Works to enter into an agreement with Arcadis U.S., Inc. for professional engineering service relative to Contract No. S-13-001, Development of a Credit and Incentive Manual for the Water Quality Program, for an amount not to exceed \$149,985.00.

ADOPTED: _____, 2013.

/mms

City of Chattanooga



Resolution Request Form

(This form is only required for resolutions requiring expenditure of City funds)

Date: February 18, 2013

Preparer: William C. Payne

Department: Public Works - Engineering

Brief Description of Purpose for Resolution:

Resolution Number (if approved by Council):

A City Council Action is requested to approve the Administrator of the Public Works Department to enter into an agreement with Arcadis, U.S., Inc for professional engineering service relative to Contract No. 5-13-001, Development of a Credit and Incentive Manual for the Water Quality Program in an amount not to exceed \$149,985.00.

Name of Vendor/Contractor/Grant, etc.	<u>Arcadis, Inc.</u>	New Contract/Project? (Yes or No)	<u>Yes</u>
Total project cost \$	<u>149,985.00</u>	Funds Budgeted? (YES or NO)	<u>Yes</u>
Total City of Chattanooga Portion \$	<u>149,985.00</u>	Provide Fund	<u>6030</u>
City Amount Funded \$	<u>50,000.00</u>	Provide Cost Center	<u>K70105</u>
New City Funding Required \$	<u>99,985.00</u>	Proposed Funding Source if not budgeted	<u>FY14</u>
City's Match Percentage %	<u>N/A</u>	Grant Period (if applicable)	<u></u>

List all other funding sources and amount for each contributor.

Amount(s)	Grantor(s)
<u></u>	<u></u>

Agency Grant Number

CFDA Number if known

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

Approved by: 

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

Please submit completed form to @budget, City Attorney and City Finance Officer



CITY OF CHATTANOOGA
STANDARD AGREEMENT FOR ENGINEERING SERVICES

SOP 2003-9
Date of Issue 10-16-03
Rev. 03-03-11

THIS AGREEMENT, is between the City of Chattanooga, Tennessee, a municipal corporation in the state of Tennessee, hereinafter called Owner, and

ARCADIS U.S., Inc., hereinafter called Engineer.

The Owner wishes to employ the Engineer to perform professional engineering services for [Project/Contract Number provided by owner and Project Name], hereinafter called Project.

In consideration of the provisions contained in this Agreement, the Owner and Engineer agree to the following:

1. **EFFECTIVE DATE**
The effective date of this Agreement shall be _____, 2013.
2. **GOVERNING LAW**
This Agreement shall be governed by the laws of the State of Tennessee and the codes of the City of Chattanooga.
3. **SERVICES TO BE PERFORMED BY ENGINEER**
Engineer shall perform the Services described in Attachment A, Scope of Services, in accordance with applicable sections of the City of Chattanooga Design and Construction Standards in effect on the date of this agreement.
4. **COMPENSATION**
Owner shall pay Engineer in accordance with the Attachment B, Compensation.
5. **OWNER'S RESPONSIBILITIES**
Owner shall be responsible for all matters described in Attachment C, Owner's Responsibilities.
6. **SUPPLEMENTAL AGREEMENTS**
The provisions set forth in Attachment D, Supplemental Agreements, shall be incorporated into this Agreement
7. **PROJECT SCHEDULE**
The provisions set forth in the Attachment E, Project Schedule, shall be incorporated into this Agreement.
8. **RATE SCHEDULE**
The Engineer shall provide a schedule of standard hourly rates for all employees to be used in the performance of all contracts with a cost-not-to-exceed basis. This schedule shall be incorporated into the agreement as Attachment F.
9. **INVOICING**
The Engineer will use the format established in Attachment G, Standard Invoice, for all invoices submitted for services on the Project.



10. STANDARD OF CARE

Engineer shall exercise the same degree of care, skill, and diligence in the performance of Services as is ordinarily possessed and exercised by a professional engineer under similar circumstances in the same area of practice. Engineer makes no warranty or guarantee, either expressed or implied, as part of this agreement.

11. INDEMNIFICATION

Engineer hereby agrees to fully indemnify and hold harmless Owner and any of its departments, divisions, agencies, officers, employees and elected officials from all loss, damage, cost, or expenses specifically including attorneys' fees and other expenses of litigation incurred by or on behalf of the Owner and any of its officers, employees or elected officials arising out of Engineer's actual negligent performance of Services under this Agreement, including errors or omissions.

Owner hereby agrees to fully indemnify and hold harmless Engineer and any of its officers, employees, or designated agents from all loss, damage, cost, or expenses specifically including attorneys' fees and other expenses of litigation incurred by or on behalf of the Engineer and any of its officers, employees or designated agents arising out of Owner's negligence to the extent provided by the Tennessee Governmental Tort Liability Act, T.C.A. 29-20-201 et seq.

12. INSURANCE

Engineer shall purchase and maintain during the life of this Agreement, insurance coverage which will satisfactorily insure him against claims and liabilities which arise because of the execution of this Agreement, with the minimum insurance coverages as follows:

- a. Commercial General Liability Insurance, with a limit of \$1,000,000 for each occurrence and \$2,000,000 in the general aggregate.
- b. Automobile Liability Insurance, with a limit of \$1,000,000 for each accident, combined single limit for bodily injury and property damage.
- c. Worker's Compensation Insurance and Employer's Liability Insurance, in accordance with statutory requirements, with a limit of \$500,000 for each accident.
- d. Professional Liability Insurance, with a limit of \$1,000,000 for each claim and aggregate.

Prior to issuance of the Notice to Proceed by Owner, Engineer shall have on file with Owner certificates of insurance acceptable to Owner. Said certificates of insurance shall be filed with Owner in January of each year or may be submitted with each agreement. Upon completion of all Services, obligations, and duties provided for in this Agreement, or if this Agreement is terminated for any reason, the terms and conditions of this section shall survive.

Notwithstanding any other provision of the Agreement, Owner waives any claim against Engineer and, to the maximum extent permitted by law, agrees to defend, indemnify, and hold Engineer harmless from any claim, liability, and/or defense costs for injury or loss arising from Engineer's discovery of unanticipated hazardous materials or suspected hazardous materials, including, but not limited to, any costs created by delay of the project and any cost associated with possible reduction of the property value.

13. LIMITATIONS OF RESPONSIBILITY

Engineer shall not be responsible for: (1) construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the Project, (2) the failure of any contractor, subcontractor, vendor, or other Project participant, not under contract to Engineer,



to fulfill contractual responsibilities to the Owner or to comply with federal, state or local laws, regulations, and codes; or (3) procuring permits, certificates, and licenses required for any construction unless such responsibilities are specifically assigned to Engineer in Attachment A, Scope of Services.

14. OPINIONS OF COST AND SCHEDULE

Since Engineer has no control over the cost of labor, materials, or equipment furnished by others, or over the resources provided by others to meet Project construction schedules, Engineer's opinion of probable construction costs and of construction schedules shall be made on the basis of experience and qualifications as a professional engineer. Engineer does not guarantee that costs will not vary from Engineer's cost estimates or that actual construction schedules will not vary from Engineer's projected schedules.

15. REUSE OF DOCUMENTS

All documents, including, but not limited to calculations, drawings, specifications, and computer software prepared by Engineer pursuant to the Agreement are instruments of service in respect to the Project. They are not intended or represented to be suitable for reuse by Owner or others on extensions of the Project or on any other project. Any reuse without prior written verification or adaptation by Engineer for the specific purpose intended will be at Owner's sole risk and without liability or legal exposure to Engineer. Any verification or adaptation requested by Owner shall entitle Engineer to compensation at rates to be agreed upon by Owner and Engineer.

16. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

Except as otherwise provided herein, engineering documents, calculations, drawings, specifications, and other documents prepared by Engineer as part of the Services shall become and be the sole property of Owner. However, both Owner and Engineer shall have the unrestricted right to their use. Engineer shall retain its rights in its standard drawing details, specifications, databases, computer software, and other proprietary property protected under the copyright laws of the United States. Rights to intellectual property developed, utilized, or modified in the performance of services shall remain the property of Engineer.

17. RECORDS RETENTION AND AUDIT PROVISION

The term "Engineer" is used interchangeably to describe signatories to contracts, grants, and agreements with the City and applies to reflect the relationship with the City (Engineer, Contractor, Licensee, Supplier, Vendor, Consultant, Grant Recipient, etc.).

- a. All records relating in any manner whatsoever to the Project, or any designated portion thereof, which are in the possession of the Engineer or the Engineer's consultants, shall be made available for inspection and copying upon written request to the Owner. Additionally, said records shall be made available, upon request by the Owner, to any state, federal or other regulatory authorities and any such authority may review, inspect and copy such records. Said records include, but are not limited to, all plans, specifications, submittals, correspondence, minutes, memoranda, tape recordings, videos, or other writings or things which document the Project, its design and its construction. Said records expressly include those documents reflecting the time expended by the Engineer and its personnel to perform the obligations of this Agreement and the records of expenses incurred by the Engineer in its performance under said Agreement. The Engineer shall maintain and protect these records for no less than seven (7) years after the completion of the Project, or for any longer period of time as may be required by applicable law, good engineering practice, and upon notice during the pendency of any claims or litigation arising from the Project.



- b. The Owner or its assign may audit all financial and related records (including digital) associated with the terms of the contract or agreement including timesheets, reimbursable out of pocket expenses, materials, goods, and equipment claimed by the Engineer. The Owner may further audit any of Engineer's records to conduct performance audits (to identify waste and abuse or to determine efficiency and effectiveness of the contract or agreement) or to identify conflicts of interest.
- c. The Engineer shall at all times during the term of the contract or agreement and for a period of seven years after the end of the contract, keep and maintain records of the work performed pursuant to this Contract or Agreement. This shall include proper records of quotations, contracts, correspondence, invoices, vouchers, timesheets, and other documents that support actions taken by the Engineer. Documents shall be maintained by the Engineer, which are necessary to clearly reflect all work and actions taken. All such records shall be maintained in accordance with generally accepted accounting principles. The Engineer shall at its own expense make such records available for inspection and audit (including copies and extracts of records as required) by the Owner at all reasonable times and without prior notice.
- d. The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the Engineer and any subcontractors or suppliers of goods or services to the extent that those subcontracts or agreements relate to fulfillment of the Engineer's obligations to the Owner.
- e. Costs of any audits conducted under the authority of this section and not addressed elsewhere will be borne by the Owner unless the audit identifies significant findings that would benefit the Owner. The Engineer shall reimburse the Owner for the total costs of an audit that identifies significant findings that would benefit the Owner.
- f. This Section shall not be construed to limit, revoke, or abridge any other rights, powers, or obligations relating to audit which the Owner may have by Federal, State, or Municipal law, whether those rights, powers, or obligations are express or implied.

18. TERMINATION

This Agreement may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement. The nonperforming party shall have fifteen calendar days from the date of the termination notice to cure or to submit a plan for cure acceptable to the other party. Owner may terminate or suspend performance of this Agreement for Owner's convenience upon written notice to Engineer. If termination or suspension is for Owner's convenience, Owner shall pay Engineer for all Services performed prior to the date of the termination notice. Upon restart, an adjustment acceptable to Owner and Engineer shall be made to Engineer's compensation.

19. DELAY IN PERFORMANCE

Neither Owner nor Engineer shall be considered in default of the Agreement for delays in performance caused by circumstances beyond the reasonable control of the nonconforming party. For purposes of this Agreement, such circumstances include abnormal weather conditions; floods; earthquakes; fire; epidemics; war, riots, or other civil disturbances; sabotage; judicial restraint; discovery of unanticipated hazardous wastes; and inability to procure permits, licenses, or authorizations from any local, state, or federal agency for any of the supplies, materials, accesses, or services required to be provided by either Owner or Engineer under this Agreement. Should such circumstances occur, the nonconforming party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of the



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Agreement. If the Engineer is delayed in the performance of the services for more than 365 calendar days, either by the Owner or circumstances beyond his control, an equitable adjustment to the contract amount can be made to compensate for additional costs incurred.

For delays in performance by Engineer, as set forth in Attachment E, Project Schedule, caused by circumstances which are within its control, such delays shall be documented on the Engineer's Project Performance Evaluation form. Said form shall be completed at the conclusion of Project and acknowledged by both Owner and Engineer. Completed form shall be retained by Owner for a period of seven years and reviewed prior to consultant selection for City projects. In the event Engineer is delayed in the performance of Services because of delays caused by Owner, Engineer shall have no claim against Owner for damages or contract adjustment other than an extension of time.

20. HAZARDOUS MATERIALS

Hazardous materials may exist at a site where there is no reason to believe they could or should be present. The Owner and Engineer agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. Owner and Engineer also agree that the discovery of unanticipated hazardous materials may make it necessary for the Engineer to take immediate measures to protect health and safety. Owner agrees to compensate Engineer for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials.

Engineer agrees to notify Owner when unanticipated hazardous materials or suspected hazardous materials are encountered. Owner agrees to make any disclosures required by law to the appropriate governing agencies, and agrees to hold Engineer harmless for any and all consequences of disclosures made by Engineer which are required by governing law. In the event the project site is not owned by Owner, the Owner agrees to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials.

21. COMMUNICATIONS

Any communication required by this Agreement shall be made in writing to the address specified below:

Engineer: **ARCADIS U.S., Inc., Jay Floyd, PE**
1210 Premier Drive, Suite 200
Chattanooga, TN 37421
Phone: (423) 756-7193, Fax (423) 756-7197, Cell (423) 596-9485
Email: Jay.Floyd@arcadis-us.com

Owner: City of Chattanooga
Department of Public Works
Engineering Division
Suite 2100, Development Resource Center
1250 Market Street
Chattanooga, TN 37402
(423) 643-6033

Nothing contained in the Article shall be construed to restrict the transmission of routine communications between representatives of Engineer and Owner.

22. WAIVER

A waiver by either Owner or Engineer of any breach of this Agreement shall be in writing. Such a



waiver shall not affect the waiving party's rights with respect to any other or further breach.

23. DISPUTE RESOLUTION

Claims, disputes or other matters in question between the parties to this Agreement arising out of or relating to this Agreement or breach thereof shall be subject to mediation in Chattanooga, Tennessee, in accordance with the following provisions:

- a. The mediation shall be conducted by a mediator mutually acceptable to both parties.
- b. The parties agree to share equally in the expenses of mediations.
- c. Such mediation may include the Engineer or any other person or entity that may be affected by the subject matter of the dispute.
- d. Unless the parties agree otherwise, mediation shall be a condition precedent to the exercise of any legal remedy other than a proceeding seeking an immediate injunction or restraining order to protect the rights of a party pending litigation. Notwithstanding the issuance of an injunction or restraining order or the refusal of a court to issue such an order, the dispute shall continue to be subject to mediation.

24. SEVERABILITY

The invalidity, illegality, or unenforceability of any provision of this Agreement or the occurrence of any event rendering any portion or provision of this Agreement void shall in no way affect the validity or enforceability of any other portion or provision of this Agreement. Any void provision shall be deemed severed from this Agreement, and the balance of this Agreement shall be construed and enforced as if this Agreement did not contain the particular portion or provision held to be void. The parties further agree to amend this Agreement to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this Article shall not prevent this entire Agreement from being void should a provision which is of the essence of this Agreement be determined void.

25. INTEGRATION

This Agreement represents the entire and integrated agreement between Owner and Engineer. All prior and contemporaneous communications, representations, and agreements by Engineer, whether oral or written, relating to the subject matter of this Agreement, as set forth in Attachment D, Supplemental Agreements, are hereby incorporated into and shall become a part of this Agreement.

26. SUCCESSORS AND ASSIGNS

Owner and Engineer each binds itself and its directors, officers, partners, successors, executors, administrators, assigns, and legal representatives to the other party of this Agreement and to the directors, officers, partners, successors, executors, administrators, assigns, and legal representatives of such other party in respect to all provisions of this Agreement.

27. ASSIGNMENT

Neither Owner nor Engineer shall assign any rights or duties under this Agreement without the prior written consent of the other party. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this Agreement. Nothing contained in this Article shall prevent Engineer from employing independent consultants, associates, and subcontractors to assist in the performance of the Services; however, other agreements to the contrary notwithstanding, in the event Engineer employs independent consultants, associates, and subcontractors to assist in performance of the Services, Engineer shall



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- be solely responsible for the negligent performance of the independent consultants, associates, and subcontractors so employed.
28. **THIRD PARTY RIGHTS**
 Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than Owner and Engineer.
29. **RELATIONSHIP OF PARTIES**
 Nothing contained herein shall be construed to hold or to make the Owner a partner, joint venturer, or associate of Engineer, nor shall either party be deemed the agent of the other, it being expressly understood and agreed that the relationship between the parties is and shall at all times remain contractual as provided by the terms and conditions of this Agreement.
30. **NON-DISCLOSURE**
 Engineer agrees not to disclose or to permit disclosure of any information designated by the Owner as confidential, except to the engineer's employees and subcontractors who require such information to perform the services specified in this agreement.
31. **NON-DISCRIMINATION**
 Engineer agrees to comply with all federal, state, and local non-discrimination laws and regulations. Engineer agrees not to discriminate against any participant in this Agreement on the basis of race, color, religion, sex, age or national origin. Engineer further agrees to comply with all federal, state and local laws regarding treatment and accommodations for individuals with disabilities.
32. **DRUG FREE WORKFORCE**
 Engineer certifies that it will provide a drug-free workplace and agrees to comply with the applicable requirements of the Drug-Free Workplace Act of 1988.
33. **FEDERAL OR STATE FUNDING**
 In the event that the Project is funded in whole or in part by Federal or State grants, Engineer agrees to abide by all applicable Federal and State laws, regulations, grant conditions and procedures.

IN WITNESS WHEREOF, Owner and Engineer have executed this Agreement.

Jay E Floyd 2-18-13
 Jay Floyd, PE, Project Manager Date Administrator of Public Works Date

John Hensley 2/18/13
 John Hensley, PE, Sr. Vice President Date Director of Purchasing Date

Reviewed by City Attorney Office _____
 Initial Date



ATTACHMENT A

Owner: City of Chattanooga, Tennessee

Engineer: **ARCADIS U.S., Inc.**
Project Number & Name: [Project Number]
Development of a Credit and Incentive Manual for the Water Quality Program

SCOPE OF SERVICES

1. BASIC SERVICES

The project is specifically defined as: **Development of a Credit and Incentive Manual for the Water Quality Program**

Project Understanding

The purpose of the manual is to provide the City of Chattanooga with a structured and balanced standard operating procedure for the new program of credits and incentives to support and manage Chattanooga’s water quality program consistent with the provisions of TNS068063. Specific applicable citations from the permit are:

“Additionally, no later than two years following permit issuance, the permittee shall develop and include in the plan an incentive program to increase the use of green infrastructure while allowing flexibility for developers and designers to meet development standards. The Incentive Program could use methods such as a scoring system, credit system or other similar methods to encourage green technology practices such as bioretention areas, permeable paving, green roofs, vegetated walls, preservation of existing trees, and covering paved surfaces with vegetation”. (3.2.5.2.1)

If runoff reduction and/or pollutant removal cannot be fully accomplished on-site per 3.2.5.2.1 and 3.2.5.2.2, then the permittee may propose off-site mitigation and/or payment into a fund for public stormwater projects. (3.2.5.2 Performance Standards)

This new program of incentives, credits, and fees is necessary to:

- a. Comply with and implement permit provisions;
- b. Coordinate with the new Rainwater Management Guide (RMG) and provide for a transition from present stormwater fee credit program, as may be applicable;
- c. Provide the City with the basis and process to implement a coordinated credit and incentives program; and,
- d. Provide owners and developers with instructions and tools to participate.

The Engineer agrees to provide the following services:

Task 1. Policy Development

ARCADIS will develop in collaboration with the City an overall policy statement. This statement will identify and describe the intent and basis of the credit, incentives, and mitigation fee framework. This



policy statement will inform the legal position and authority of the City to implement the new program and provide a process to replace the current water quality fee credit system.

ARCADIS will work with the City's project manager (PM) who will coordinate input and review from other City staff and City legal.

ARCADIS will provide the following deliverables:

- a. A written evaluation of the current system of credits as it relates to the MS4 Permit and the RMG;
- b. A basic framework and a written draft policy paper for review;
- c. A review meeting with the City Attorney and the PM of the draft policy paper;
- d. A final draft Policy Paper and draft policy language for the Stormwater Ordinance.

Task 2. Credits, Incentives, and Fee Plan

ARCADIS will develop, in collaboration with the City, an overall plan for the new program of credits, incentives, and fees. This plan will identify and describe the credit, incentives, and fees to be offered as part of the program. The starting point for this will be the framework report and charts submitted May 3, 2012. That report identified three primary components in the framework: Water Quality Fee Credits, Mitigation Credits, and Mitigation Fees. ARCADIS will define the integrated program for the three components.

ARCADIS will work with the City's project manager (PM) who will coordinate input and review from other City staff and City legal.

ARCADIS will provide the following deliverables in electronic format:

- a. A written draft description of Water Quality Fee Credits to include criteria and scenario examples;
- b. A written draft description of Mitigation Credits and credit transfer rights to include criteria and scenario examples;
- c. A written draft description of Mitigation Fees to include criteria and a valuation methodology based on the CNT Green Values National Stormwater Management Calculator;
- d. Up to 3 charts and exhibits to illustrate applicability, process, and integration of credit application with City's land development review;
- e. A review meeting with the City PM and staff to review and revise (as may be agreed) the draft proposal for each of the components of the program;
- f. A draft standard operating procedure for the application, review, approval, and appeal process;
- g. Draft language for amendment or inclusion into the stormwater management code;
- h. A meeting with the City Attorney and PM to review, revise, and as may be necessary draft language for the Stormwater code, the application and approval process, the appeals process, and general terms and conditions; and,
- i. A final draft of the integrated program plan to serve as the basis for task 3 "Manual of Practice".

Task 3. Administrative Manual of Practice

ARCADIS will develop in collaboration with the City a Credit and Incentive Manual (CIM). The Manual will define and describe legal authority, standards, process, fee/credit determination, RMG tools, applicability, certification requirements, appeal procedures, transfer rights, definitions, and terms and conditions.



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The manual will be organized by chapters that will cover the necessary components of the new program. Every effort will be made to keep the final document concise and compact with the use of tables and charts to facilitate understanding and administration of the program. The manual will include forms for application, certification, renewal, and disposition.

Building on the work completed in the prior Task 2, ARCADIS will provide the following deliverables:

- a. A draft outline of the manual for review and approval that defines the rules, process, procedures, standards, fees, credits, applicability, and terms and conditions;
- b. A written procedure to input pertinent metrics from the development plan submittals to the credit and incentive formulas in the CIM;
- c. A review meeting with the City PM and City Legal of the CIM draft;
- d. A written draft procedure for inclusion of relevant portions and disposition of the existing water quality fee credit program;
- e. A meeting with the PM and City attorney to review recommendations for disposition of the current program; and,
- f. A final draft CIM for adoption.

2. SUPPLEMENTAL SERVICES

Any work requested by the Owner that is not included in the Basic Services will be classified as Supplemental Services. Supplemental Services shall include, but are not limited to the following:

Supplemental services, to be provided on time and materials basis may include but not limited to:

- a. Educational workshops with design professionals or technical advisory groups;
- b. Coordination meetings, workshops, or presentations beyond those included in the scope of services, including public meetings;
- c. A web based application and approval process;
- d. On-line forms and tools derived from the CIM;
- e. Tracking system for credits or fees; and,
- f. Reimbursable expenses as authorized by the Owner.

Reimbursable expenses are in addition to compensation for professional services and include out-of-pocket expenditures advanced in the interest of the project.

Project specific reimbursable expenses and charges associated with "Supplemental Services" shall include the following:

Automobile: Company or Personal Vehicle (non-local) **\$0.55 (per mile)**

Airfare, Automobile rental, Lodging, Outside Consultant, Equipment rentals,
Special displays, and Miscellaneous Expenses..... **Cost +10%**



CITY OF CHATTANOOGA
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ATTACHMENT B

Owner: City of Chattanooga, Tennessee

Engineer: **ARCADIS U.S., Inc.**
 Project Number & Name: [Project Number]
Development of a Credit and Incentive Manual for the Water Quality Program

COMPENSATION

For the services covered by this Agreement, the Owner agrees to pay the Engineer as follows:

1. For the Basic Services described in Attachment A, Tasks 1 through 3 will be undertaken and invoiced on a Lump Sum basis inclusive of Engineer's non-labor expenses. Payments shall be made monthly in amounts which are consistent with the amount of engineering services provided, as determined by the Engineer.

<u>Task</u>	<u>Fee</u>
Task 1 – Policy Development	- \$17,595
Task 2 – Credits, Incentives, and Fee Plan	- \$53,820
Task 3 – Administrative Manual of Practice	- \$48,820

Subtotal **\$119,985**

2. Compensation for Supplemental Services per Attachment A shall be made as defined below, when authorized in writing by the Owner. The maximum limit for each item of additional service shall be established individually and specifically agreed to by the Owner as stated below, unless the service is included in a subsequent agreement.

Subtotal **\$30,000**

Grand Total **\$149,985**

3. Hourly rates for each classification are as defined by the Engineer's rate schedule, per Attachment F. Overtime, when authorized by the Owner, will be billed at 1.5 times the rates listed (non-engineer time only).
4. Reimbursable charges will be considered the amount of actual costs of project related expenses or charges times a markup of 10%. Charges for use of computer equipment or software, local travel, local telephone, project photographs, miscellaneous supplies, and reproduction are not considered reimbursable charges. Allowable project-specific reimbursable expenses shall be outlined in Attachment A.
5. The entire amount of each statement shall be due and payable 30 days after receipt by the Owner.
6. The Engineer shall keep records on the basis of generally accepted accounting practice of costs and expenses which records shall be available for inspection at all reasonable times.
7. Invoices shall be submitted using the Standard Invoice form, Attachment G.



ATTACHMENT C

Owner: City of Chattanooga, Tennessee

Engineer: **ARCADIS U.S., Inc.**
Project Number & Name: [Project Number]
**Development of a Credit and Incentive Manual for the Water
Quality Program**

OWNER'S RESPONSIBILITIES

The Owner will furnish, as required by the work and not at the expense of the Engineer, the following:

1. Owner will provide electronic copies of all codes, policies, standards, and ordinances as may be needed.
2. Examine all plans, reports, memorandums, inquiries, and other documents submitted by the Engineer and render decisions promptly to prevent delay to the Engineer.
3. Designate one City of Chattanooga employee as the Owner representative with respect to all services to be rendered under this agreement. This individual shall have the authority to transmit instructions, receive information and to interpret and define the Owner's policies and decisions pertinent to the Engineer's services.
4. Issue Notice(s) to proceed to the Engineer for each phase of the services.
5. Owner will grant or obtain free access to City facilities for all equipment and personnel necessary for the Engineer to perform the work set forth in this Agreement.
6. Owner will assign a project steering committee, technical advisory group, and a stakeholders group.
7. Owner will engage a third-party facilitator for technical advisory committee, stakeholders, and public meetings.
8. Owner will lead inter-department coordination for the project and provide timely consolidated reviews and transmittals of project deliverables.
9. City Attorney will review policy recommendations for amendments to the city code.
10. Owner will make all arrangements to host and facilitate steering, advisory and stakeholders meetings and provide meeting notes.
11. Owner IT staff will review and assist with design and deployment of web and internet-based applications.
12. Owner will develop, deploy, and maintain a website and/or other means to inform all interested parties including the general public of the project activities and work products.
13. Owner will obtain feedback and conduct surveys, as needed.
14. Owner (and City Attorney) will assist in the review and analysis of the code modifications
15. Owner will prepare and publish general public education and outreach materials related to this project.



ATTACHMENT D

Owner: City of Chattanooga, Tennessee

Engineer: **ARCADIS U.S., Inc.**
Project Number & Name: [Project Number]
Development of a Credit and Incentive Manual for the Water Quality Program

SUPPLEMENTAL AGREEMENTS

Owner and Engineer agree that the following communications, representations, and agreements by Engineer relating to the subject matter of the Agreement are hereby incorporated into and shall become a part of the Agreement.

NONE



ATTACHMENT E

Owner: City of Chattanooga, Tennessee

Engineer: **ARCADIS U.S., Inc.**
 Project Number & Name: [Project Number]
Development of a Credit and Incentive Manual for the Water Quality Program

PROJECT SCHEDULE

Owner and Engineer recognize that time is of the essence of the Agreement and that Owner may suffer financial loss if the work is not completed within the times stipulated herein, plus any extensions thereof. Accordingly, Engineer has established time intervals, in calendar days, for submittals at various stages of the project as detailed below. As each actual submittal date occurs, Engineer shall meet with Owner to discuss the progress of the work and the actual submittal date shall be documented. If project is behind schedule, the reason shall be recorded. Engineer shall not be responsible for the time required by Owner's representative to review Engineer's submittal. When review is complete, Owner shall, in writing, authorize Engineer to proceed to the next submittal date. After final submittal date, Engineer and Owner shall meet to evaluate Engineer's performance with regard to design schedule. An Engineer's Project Performance Evaluation form shall be completed and acknowledged by both Owner and Engineer. Completed form shall be retained by Owner for a period of seven years and reviewed prior to consultant selection for City projects. Past performance shall be accounted for on the evaluation sheet used to rank consultants during the interview process.

Schedule: Engineer will make plan submittals to Owner based on the following schedule:

A milestone schedule by major tasks is provided below. A more detailed schedule will be developed in consultation with Owner along with project work plan development upon project authorization.

Task	Duration in weeks from receipt of written NTP
Task 1 – Policy Development	10 weeks
Task 2 – Credits, Incentives, and Fee Plan	18 weeks
Task 3 – Administrative Manual of Practice	26 weeks

It is understood and agreed that the Engineer shall start the performance of Services within 10 days of receipt of a written Notice to Proceed and shall complete the work in accordance with the contract times set forth herein.



ATTACHMENT F

Owner: City of Chattanooga, Tennessee

Engineer: **ARCADIS U.S., Inc.**
Project Number & Name: [Project Number]
Development of a Credit and Incentive Manual for the Water Quality Program

RATE SCHEDULE

Engineer's rate schedule shall be on a cost-plus basis. Cost-plus rates shall be at salary cost plus one hundred and ten percent (110%) of salary cost. Salary costs shall be defined as salaries and wages paid to all personnel engaged directly on the project, including but not limited to, engineers, architects, surveyors, designers, drafters, specifications writers, estimators, other technical and business personnel; plus the cost of customary and statutory benefits, including but not limited to social security, unemployment, and other payroll taxes; health and retirement benefits; sick leave; vacation and holiday pay; and other group benefits.

Category	Rate	Unit	Description
Professional Services	110%	Hour	Professional Services
Administrative Services	110%	Hour	Administrative Services
Travel	110%	Hour	Travel
Materials	110%	Hour	Materials
Equipment	110%	Hour	Equipment
Subcontractors	110%	Hour	Subcontractors
Overhead	110%	Hour	Overhead
Profit	110%	Hour	Profit
TOTAL	110%	Hour	TOTAL



ATTACHMENT G

STANDARD INVOICE

Indicates MANDATORY Item

CONSULTANT LETTERHEAD

ATTN: City Project Manager
REF: Project Name
CODE: Consultant Project Number
PO: City Project Number in format S-02-001-101

Provided by City

INVOICE

TERMS: Net 25 days
DUE: 08/01/03

Must be Sequential Number

City Project Manager
City Project Manager Title
City of Chattanooga
Engineering Division/DRC
1250 Market Street, Suite 2100
Chattanooga TN 37402

Invoice Number 5
Dated 07/07/03

Invoice Must show Billing Period.

For Professional Services from May 31 to June 27, 2003

This Breakdown must list each item of the Contract.

Consultant Project No.	Description	Fee	Work	Percent	Amount	Previous	This
		Basis		to Date	Billed	Billed	Invoice Billed
C03009-01	01 - Design	\$51,500.00	LS	55%	\$28,325.00	\$18,540.00	\$9,785.00
	02 - Survey	\$15,700.00	LS	0%	\$0.00	\$0.00	\$0.00
C03009-02	Barton Avenue and Brown Acres Golf Course Design	\$20,000.00	CP	12%	\$2,391.02	\$2,033.00	\$358.02
C03009-03	Permitting/Easement Assistance	\$5,000.00	CP	6%	\$291.08	\$0.00	\$291.08
C03009-04	Bidding/Construction Assistance	\$10,000.00	CP	0%	\$0.00	\$0.00	\$0.00
C03009-05	Misc. As-Requested Services	\$5,000.00	CP	7%	\$363.85	\$0.00	\$363.85
	Total Contract Amount	\$107,200.00			\$31,370.95	\$20,573.00	
	TOTAL THIS INVOICE						\$10,797.95

Must Match Contract Amount

Prior invoices	\$20,573.00
This invoice	\$10,797.95
Payments	-\$20,573.00
Balance on Account	\$10,797.95

NOTE

- There shall be only one invoice per contract per billing period
- Any necessary details should be attached as backup