

RESOLUTION NO. \_\_\_\_\_

A RESOLUTION AUTHORIZING CHANGE ORDER NO. 1 FOR ARCADIS U.S., INC. RELATIVE TO CONTRACT NO. W-10-003-101, CONSTRUCTION OF AREA 2 CLOSURE CAP FOR CITY LANDFILL FOR CONSTRUCTION ENGINEERING SERVICES, FOR AN INCREASED AMOUNT OF ONE HUNDRED TWENTY-EIGHT THOUSAND DOLLARS (\$128,000.00), FOR A REVISED CONTRACT AMOUNT NOT TO EXCEED SEVEN HUNDRED SEVENTY-TWO THOUSAND FIVE HUNDRED DOLLARS (\$772,500.00).

---

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing Change Order No. 1 for Arcadis U.S., Inc. relative to Contract No. W-10-003-101, Construction of Area 2 Closure Cap for City Landfill for Construction Engineering Services, for an increased amount of \$128,000.00, for a revised contract amount not to exceed \$772,500.00.

ADOPTED: \_\_\_\_\_, 2012.

/mms

# City of Chattanooga



## Resolution/Ordinance Request Form

Date Prepared: 9/18/12

Preparer: Dennis Malone

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance:

Res./Ord. # \_\_\_\_\_ Council District # \_\_\_\_\_

A City Council resolution is requested to approve the Change Order No. 1, for Arcadis U.S., Inc., relative to Contract No. W-10-003-101, Construction of Area 2 Closure Cap for City Landfill, for Construction Engineering Services, for an increased amount of \$128,000.00, for a revised contract amount not to exceed \$772,500.00.

Name of Vendor/Contractor/Grant, etc. Arcadis U.S., Inc.  
Total project cost \$ 772,500.00  
Total City of Chattanooga Portion \$ 772,500.00  
City Amount Funded \$ 772,500.00  
New City Funding Required \$ \_\_\_\_\_  
City's Match Percentage % \_\_\_\_\_

New Contract/Project? (Yes or No) No  
Funds Budgeted? (YES or NO) Yes  
Provide Fund 6021  
Provide Cost Center K60403  
Proposed Funding Source if not budgeted \_\_\_\_\_  
Grant Period (if applicable) \_\_\_\_\_

### List all other funding sources and amount for each contributor.

Amount(s)	Grantor(s)
_____	_____
_____	_____
_____	_____
_____	_____

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

Revised: 1/26/09



CITY OF CHATTANOOGA  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

Development Resource Center  
1250 Market Street, Suite 2100  
Chattanooga, TN 37402  
Phone: (423) 643-6000  
Fax: (423) 643-6008

## CHANGE ORDER

Contract No.: W-10-003-101  
 Consultant: Arcadis U.S., Inc  
 Project Name: Planning, Design, and Construction of Area 2  
Closure Cap For City Landfill

Change Order No.: 1  
 Date: 9/18/2012  
 Council Res. #'s: 26427  
 (Attach Copies)

Check Reason for Change Order  
 Error/Omission  
 Field Condition  
 Field Dispute Settlement  
 Owner Request  
 Value Engineering  
 Other: Construction Engineering Services Time Extension

Contract Days Changed: 236  
 Revised Completion Date: Nov. 22, 2012  
 Estimated

Original Contract Amount \$ 644,500.00  
 Net Change by Previous C.O.s \$ \_\_\_\_\_  
 Contract Amount Prior to this C.O. \$ 644,500.00  
 Total Amount of this C.O. \$ 128,000.00  
 NEW CONTRACT AMOUNT \$ 772,500.00

Description / Justification (Add more pages if necessary)  
 See attached CRF 1 and 2

The terms and conditions of this Change Order, including the cost and time contained herein, constitute a full accord and complete satisfaction for all costs and time of performance related to the work described or referenced herein, including but not limited to, all delay and impact costs for the entire Project resulting from this Change Order. Except as amended herein, all provisions of the Contract remain in full force and effect.

### APPROVALS

CONTRACTOR		ENGINEER / ARCHITECT	
<u>N/A</u>		<u>[Signature]</u>	<u>9/21/2012</u>
Signature	Date	Signature	Date
CITY PROJECT MANAGER		CITY ENGINEER	
Signature	Date	Signature	Date
ADMINISTRATOR OF PUBLIC WORKS		CITY FINANCE OFFICER	
Signature	Date	Signature	Date



Infrastructure · Water · Environment · Buildings

Mr. Jerry Stewart  
City of Chattanooga  
Moccasin Bend Wastewater Treatment Plant  
455 Moccasin Bend Road  
Chattanooga, TN 37405

Subject:  
Construction of Area 2 Closure Cap for City Landfill (W-10-003)  
Fund Reallocation; Change Request Form (CRF)

Dear Mr. Stewart:

ARCADIS requests that the City reallocate funds in our contract in the amount of \$25,000. This fund reallocation is based on the following:

1. During the temporary construction shutdown period of January 9 to April 1, 2012, ARCADIS spent approximately \$5,600 on coordination activities with the State, City, and Wright Brothers. This activity mostly concerned facilitating state discussions, site requirements, and coordinating and reviewing stormwater activities needed for maintaining erosion control performed by the Contractor.
2. ARCADIS submitted a proposed contract extension to the City for review and approval documenting weather delay request (1 additional contract day) and temporary shutdown (84 additional contract days) duration to adjust the Contractor's contract time. The proposed 85 calendar days would adjust the contract duration to end on June 24, 2012. The Contractor's remaining construction time, based on the contractor's existing projected completion date, is an additional 4 months with construction scheduled for completion around October 14, 2012. This will require ARCADIS to perform additional construction contract administrative services for 4 months.

We intend to move the remaining \$21,000 in Miscellaneous Engineering Services, Task XII and \$4,000 from Easements and Permitting, Task VII, to the Construction Contract Administrative Services, Task IV. This will increase the Task IV fee from \$40,000 to \$65,000.

There will be no change in the contracted fee of \$647,500. The attached CRF shows how adjustments will be made to the contract.

Imagine the result

ARCADIS U.S., Inc.  
1210 Premier Drive  
Suite 200  
Chattanooga  
Tennessee 37421  
Tel 423.756.7193  
Fax 423.756.7197  
[www.arcadis-us.com](http://www.arcadis-us.com)

WATER RESOURCES

Date:  
July 18, 2012

Contact:  
Bill Johnson

Phone:  
48702

Email:  
[Bill.Johnson@arcadis-us.com](mailto:Bill.Johnson@arcadis-us.com)

Our ref:  
CT053481

ARCADIS

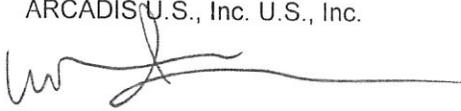
Mr. Stewart  
July 18, 2012

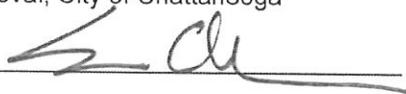
If you have any question regarding this matter, please feel free to contact me.

Sincerely,

ARCADIS U.S., Inc. U.S., Inc.

Approval, City of Chattanooga



By: 

William H. Johnson, PE  
Vice President

Name: Steve Leach

Date: 7/24/12

Attachment

copies:

Dennis Malone  
John Lyons



**CHANGE REQUEST FORM (CRF)**

City Contract No. W-10-003  
 Project Name: Planning, Design, And Construction of Area 2 Closure Cap for City Landfill  
 Engineer: ARADIS  
 Contractor: N/A  
 Requested By: ARCADIS  
 Drawing:  
 Problem Desc: See attached cover letter dated July 18, 2012.

**Revised Scope Description/Details**

TASK	Original Fee	Paid to Date	Remaining	Revision	Revised Fee
<b>Basic Services:</b>					
I Planning, Conceptual Design, and Development	\$57,000	\$57,000	\$0		\$57,000 Lump Sum
II Design Drawings and Specifications	\$162,800	\$162,800	\$0		\$162,800 Lump Sum
III Bidding Phase Services	\$7,000	\$7,000	\$0		\$7,000 Lump Sum
IV Construction Contract Administration Services	\$40,000	\$32,000	\$8,000	\$25,000 2	\$65,000 Lump Sum
<b>Compensation for Supplemental Services</b>					
V Stormwater Pollution Prevention Plan and NOI	\$7,000				\$7,000 Lump Sum
VI Closure/Post-Closure Plan Update	\$4,000	\$3,825	\$175		\$4,000 Lump Sum
VII Easement and Permitting	\$7,500		\$7,500	(\$4,000)	\$3,500 Cost Plus
VIII Surveying and Mapping	\$16,000	\$16,000	\$0		\$16,000 Lump Sum
IX Geotechnical and Laboratory Services	\$55,000	\$13,147	\$41,853		\$55,000 Cost Plus
X RPR/CQA Monitoring					
Item A - CQA for Cap Construction	\$195,000	\$ 96,011	\$98,989		\$195,000 Cost Plus
Item B - CQA for GCCS Construction	\$56,200	\$ 17,696	\$38,504		\$56,200 Cost Plus
XI Construction Certification Report	\$7,000	\$0	\$7,000		\$7,000 Lump Sum
XII Miscellaneous Engineering Services	\$30,000				\$0 Lump Sum
Pump Station and Diesel Generator Design		\$ 9,000	\$0	1	\$9,000 Lump Sum
Move Remaining Miscellaneous Engr. to Task IV				2	(\$21,000)
Total Engineering Fee =	\$644,500	\$414,479	\$202,021	\$0	\$644,500
1 Shifted funds to cover added Design for the Pump Station and Diesel Generator					
2 Shifted funds to cover added Construction Administration Services					

**Contractor Acknowledgement:**  
 No Change in Contract Amount is required.       A Change in Contract Amount is required:  
 No Change in Contract Time is required.       A Change in Contract Time is required: Added 85 Days To Const.

[Signature] Architect / Engineer / Inspector / RPR      N/A Contractor

Change in Contract Amount is within the Contingency Amount authorized under Resolution No. \_\_\_\_\_  
 Yes     No N/A  
[Signature]  
 Engineer / Architect Project Manager

**Proceed with Execution**  
 Yes     No \_\_\_\_\_  
[Signature]  
 City Project Manager

Distribution: City Engineer; Central Files



Infrastructure · Water · Environment · Buildings

Mr. Jerry Stewart  
City of Chattanooga  
Moccasin Bend Wastewater Treatment Plant  
455 Moccasin Bend Road  
Chattanooga, TN 37405

Subject:

Construction of Area 2 Closure Cap for City Landfill (W-10-003)  
Change Order Request Form (CRF)

Dear Mr. Stewart:

ARCADIS is requesting that the City approve a Change Order to our contract in the amount of \$128,000 for additional field services. The reason for the change is as follows:

The contract construction time allowed for this project was 210 calendar days. The original start date for this contract is September 2, 2011. With the addition of shutdown times, rain days, etc., the new contract completion date is June 23, 2012. At this time, the contractor has stated in his schedule that he will have the contract mostly complete at approximately November 22, 2012. This is an additional 151 days of Construction Quality Assurance (CQA) time required for the project and an increase in more than 70 percent of the contract time allowed. We are therefore requesting an increase in our field services fee in the amount of \$128,000 to cover our cost. Note that this is less than 50 percent of our original fee. We have done everything we can to minimize our cost on this project.

The attached CRF for this shows the changes in compensation to be allocated as \$100,000 increase to the fee for Task X Item A-CQA for cap construction and \$28,000.00 increase in fee for Task X Item B-CQA for GCCS Construction.

Total engineering fee with additional fees will be \$772,500.

Imagine the result

ARCADIS U.S., Inc.  
1210 Premier Drive  
Suite 200  
Chattanooga  
Tennessee 37421  
Tel 423.756.7193  
Fax 423.756.7197  
[www.arcadis-us.com](http://www.arcadis-us.com)

WATER RESOURCES

Date:

September 6, 2012

Contact:

Bill Johnson

Phone:

48702

Email:

[Bill.Johnson@arcadis-us.com](mailto:Bill.Johnson@arcadis-us.com)

Our ref:

CT053481

ARCADIS

Mr. Stewart  
September 6, 2012

If you have any question regarding this matter, please feel free to contact me.

Sincerely,

ARCADIS U.S., Inc. U.S., Inc.

Approval, City of Chattanooga



By: \_\_\_\_\_

William H. Johnson, PE  
Vice President

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment

copies:

Dennis Malone  
John Lyons



**CHANGE REQUEST FORM (CRF)**

City Contract No. **W-10-003**  
 Project Name: **Planning, Design, and Construction of Area 2 Closure Cap for City Landfill**  
 Engineer: **ARCADIS**  
 Contractor: **N/A**

Requested By: **ARCADIS**  
 Drawing:  
 Problem Desc: **See attached cover letter dated September 6, 2012.**  
  
**Invoiced to date is through August 12, 2012. See ARCADIS Invoice No. 470097.**

**Revised Scope Description/Details**

TASK	Agreed Fee To Date	Invoiced To Date	Remaining	Revised Fee Request	Revised Fee
<b>Basic Services:</b>					
I Planning, Conceptual Design, and Development	\$57,000	\$57,000	\$0		\$57,000 Lump Sum
II Design Drawings and Specifications	\$162,800	\$162,800	\$0		\$162,800 Lump Sum
III Bidding Phase Services	\$7,000	\$7,000	\$0		\$7,000 Lump Sum
IV Construction Contract Administration Services	\$65,000	\$48,000	\$17,000		\$65,000 Lump Sum
<b>Compensation for Supplemental Services</b>					
V Stormwater Pollution Prevention Plan and NOI	\$7,000	\$0			\$7,000 Lump Sum
VI Closure/Post-Closure Plan Update	\$4,000	\$3,825	\$175		\$4,000 Lump Sum
VII Easement and Permitting	\$3,500	\$0	\$3,500		\$3,500 Cost Plus
VIII Surveying and Mapping	\$16,000	\$16,000	\$0		\$16,000 Lump Sum
IX Geotechnical and Laboratory Services	\$55,000	\$25,821.52	\$29,178.48		\$55,000 Cost Plus
X RPR/CQA Monitoring					
Item A - CQA for Cap Construction	\$195,000	\$ 187,365.13	\$7,635	\$100,000 1	\$295,000 Cost Plus
Item B - CQA for GCCS Construction	\$56,200	\$ 43,979.75	\$12,220	\$28,000 1	\$84,200 Cost Plus
XI Construction Certification Report	\$7,000	\$0	\$7,000		\$7,000 Lump Sum
XII Miscellaneous Engineering Services	\$9,000				\$0 Lump Sum
Pump Station and Diesel Generator Design		\$ 9,000	\$0		\$9,000 Lump Sum
Move Remaining Miscellaneous Engr. to Task IV					
Total Engineering Fee =	\$644,500	560,791.40	\$76,709	\$128,000	\$772,500
1 See attached cover letter for justification.					

**Contractor Acknowledgement:**  
 No Change in Contract Amount is required.  A Change in Contract Amount is required: Yes  
 No Change in Contract Time is required.  A Change in Contract Time is required: Added 151 Days To Const.

  
 Architect / Engineer / Inspector / RPR  
 \_\_\_\_\_ N/A \_\_\_\_\_  
 Contractor

Change in Contract Amount is within the Contingency Amount authorized under Resolution No. \_\_\_\_\_  
 Yes  No  
  
 Engineer / Architect Project Manager

**Proceed with Execution**  
 Yes  No  
 \_\_\_\_\_  
 City Project Manager

Distribution: City Engineer; Central Files