

**CITY COUNCIL AGENDA ITEM**

**TO:** Mayor & City Council

**DATE:** September 23, 2010

**FROM:** John McDonough, City Manager

**AGENDA ITEM:** Consideration of Approval of the execution of a Supplemental Agreement to the original Design Services Contract with Arcadis, Inc

**MEETING DATE:** For Submission onto the October 5, 2010, City Council Regular Meeting Agenda

**BACKGROUND INFORMATION:** (Attach additional pages if necessary)

See attached:

Memorandum  
Resolution  
Fee Proposal

**APPROVAL BY CITY MANAGER:** gjm APPROVED

\_\_\_\_\_ NOT APPROVED

**PLACED ON AGENDA FOR:** 10/5/10

**CITY ATTORNEY APPROVAL REQUIRED:** (  ) YES (  ) NO

**CITY ATTORNEY APPROVAL:** [Signature]

**REMARKS:**



TO: John McDonough, City Manager

FROM: Tom Black, Public Works Director

DATE: September 21, 2010, for Submission onto the Agenda of the October 5, 2010, City Council Meeting

ITEM: Consideration of Approval of the execution of a Supplemental Agreement to the original Design Services Contract with Arcadis, Inc.

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***Public Works Department's Recommendation:***

Staff recommends that the Mayor and City Council approve Supplemental Agreement #2 with Arcadis, Inc. for additional design services necessary to reduce the scope and cost of construction of the Roswell Road Bridge over Interstate 285 (CIP Project T-0031).

***Background/Discussion:***

The original design services contract with Arcadis, Inc. was signed November 18, 2009 for \$379,070.76. Supplemental Agreement #1 for geotechnical investigation was signed March 5, 2010 for an additional fee of \$30,800. The Federal Highway Administration (FHWA) originally required the western bridge parapet on the existing bridge be replaced and upgraded to new design standards. In order to reduce the cost and scope of construction on the proposed bridge widening, the Department of Public Works requested that a Design Exception to allow the existing parapet to remain be drafted by the Georgia Department of Transportation and submitted to FHWA for approval. The additional construction plan changes needed to remove the western parapet construction fell outside of the scope of services in the original design contract. The removal of the western parapet construction and the reduction in scope of the maintenance of traffic is estimated to reduce the overall project cost by \$600,000 to \$800,000.

Supplemental Agreement #2 for this additional services is for the amount of \$43,092.96.

***Alternatives:***

Council could decide not to proceed with the design changes and additional funds for the \$600,000 to \$800,000 western parapet construction could be sought from other sources.

***Financial Impact:***

This agreement will bring the total design cost to \$452,963.72.

***Attachments:***

- I. Fee proposal from Arcadis.

*Public  
Works*

STATE OF GEORGIA  
COUNTY OF FULTON

**A RESOLUTION TO APPROVE THE EXECUTION OF A CONTRACT WITH ARCADIS, INC.  
FOR THE EXECUTION OF SUPPLEMENTAL AGREEMENT #2 TO THE ORIGINAL CONTRACT  
SIGNED NOVEMBER 18, 2009.**

**WHEREAS**, Mayor and City Council directed the Department of Public Works to enter into a contract for design services with Arcadis Inc. on November 18, 2009 for the widening of the Roswell Road Bridge over Interstate 285, and

**WHEREAS**, the City Manager directed the Department of Public Works to move forward with minimizing the construction costs for the bridge widening project of Roswell Road over I-285 ; and

**WHEREAS**, additional design services outside of the scope of the original contract were necessary in order to reduce the scope of construction on the bridge, and

**WHEREAS**, upon adoption of this Resolution, City of Sandy Springs Public Works Department staff will manage all applicable phases of the additional design services.

**NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF SANDY SPRINGS, GEORGIA**

That the Mayor and City Council approve the supplemental agreement to the contract for additional design services with Arcadis, Inc. in the amount of \$43,092.96 and authorize the City Manager to execute any needed documents.

**RESOLVED** this the 5<sup>th</sup> day of October 2010.

Approved:

\_\_\_\_\_  
Eva Galambos, Mayor

Attest:

\_\_\_\_\_  
Michael Casey, City Clerk  
(Seal)

# ARCADIS

Roswell Road Bridge Widening Change Order #2

## Engineering Cost Proposal

Summary

<b>Task</b>		<b>Estimated Cost</b>
<b>1) Final Plans Revisions</b>		<b>\$43,092.96</b>
A. Final Roadway Plans	\$19,270.48	
B. Final Traffic Plans	\$4,077.27	
C. Final Bridge Plans	\$19,745.21	
<b>Totals</b>		<b>\$43,092.96</b>

Task Final Roadway Plans

Task No. 1A

#	Item/Task Description	No. of Dwgs.	PM	Sr. Eng.	Prj. Eng.	Staff Eng.	CADD	Cler.	Total
<b>Roadway Plans</b>									
1	Prepare and submit design exception		12		4	4			20
2	Revise and submit concept report		6		12	4			22
3	Archive files as contingency					1			1
4	Revise construction plans on Roswell Road								
	a. Revise lanes and edges of pavement		2		8				10
	b. median locations and islands		1		6				7
	c. revise sidewalk locations and guardrail				4				4
	d. revise call-outs and drafting				16	6			22
5	Revise stakeout sheet and lane layout sheet				6				6
6	Revise drainage - shifted with one structure removed		1		4	2			7
7	Revise typical sections					2			2
8	Revise cross sections				16	2			18
	Add elevations to the outside edge of pavement line					4			4
9	Revise maintenance of traffic scheme (removes 1 stage)		1		2	4			7
10	Revise quantities				2	2			4
11	QA/QC		8						8
12	Project Management		4						4
13	Correspondence & Meetings for design Exception		12			2			14
<b>Total</b>				47		80	33		160

# ARCADIS

## Engineering Cost Proposal

Roswell Road Bridge Widening Change Order #2

Cost Estimate

Task Final Roadway Plans

Task No. 1A

<b>DIRECT LABOR</b>				
<b>Personnel</b>	<b>Est. Hours</b>	<b>Rate/Hour</b>	<b>Cost (\$)</b>	<b>Totals</b>
Project Manager	47	\$ 52.52	\$ 2,468.44	
Senior Engineer		\$ 42.62	\$ -	
Project Engineer	80	\$ 36.06	\$ 2,884.80	
Staff Engineer	33	\$ 32.78	\$ 1,081.74	
CADD Technician		\$ 24.59	\$ -	
Clerical		\$ 19.67	\$ -	
<b>Total Direct Labor</b>	160		\$ 6,434.98	\$ 6,434.98
Overhead (Indirect Cost on Labor Above)			170.50%	
Labor x Overhead Rate = Overhead (\$)				\$ 10,971.64
<b>Total Direct Labor plus Overhead</b>				\$ 17,406.62
<b>Direct Costs (Specify)</b>				
Reproduction	<i>Sets</i>	<i>Sheets/set</i>	<i>Cost/sheet</i>	
CADD Mylars				\$ -
Color Plots				\$ -
Blacklines				\$ -
Blacklines - Half Size				\$ -
Photocopies		<i>copies x</i>		
Color Copies		<i>copies x</i>		
Supplies, Postage, Communication				\$ 100.00
Travel	40	<i>miles</i>	\$0.580	\$ 23.20
Subcontractors				
Other Direct Expenses (List)				
Outsource Printing				
<b>Total Direct Costs</b>				\$ 123.20
<b>Total Estimated Costs</b>				\$ 17,529.82
<b>Profit</b>			10.00%	\$ 1,740.66
<b>Maximum Amount of Contract Proposal</b>				\$ 19,270.48

Task Final Signal Design Plans

Task No. 1B

#	Item/Task Description	No. of Dwgs.	PM	Sr. Eng.	Prj. Eng.	Staff Eng.	CADD	Cler.	Total
1	<b>Signal Plans</b> Revise Signal Plans to use Mast Arms				28				28
2	<b>Signing and Marking Plans</b> Revise Signing and Marking Plans for new lane lines				6				6
3	QA/QC				2				2
4	<b>Special Provision</b> Special Provisions for Mast Arms				2				2
<b>Total</b>					38				38

# ARCADIS

## Engineering Cost Proposal

Roswell Road Bridge Widening Change Order #2

Cost Estimate

Task Final Signal Design Plans

Task No. 1B

<b>DIRECT LABOR</b>				
<b>Personnel</b>	<b>Est. Hours</b>	<b>Rate/Hour</b>	<b>Cost (\$)</b>	<b>Totals</b>
Project Manager		\$ 52.52	\$ -	
Senior Engineer		\$ 42.62	\$ -	
Project Engineer	38	\$ 36.06	\$ 1,370.28	
Staff Engineer		\$ 32.78	\$ -	
CADD Technician		\$ 24.59	\$ -	
Clerical		\$ 19.67	\$ -	
<b>Total Direct Labor</b>	38		\$ 1,370.28	\$ 1,370.28
Overhead (Indirect Cost on Labor Above)			170.50%	
Labor x Overhead Rate = Overhead (\$)				\$ 2,336.33
<b>Total Direct Labor plus Overhead</b>				<b>\$ 3,706.61</b>
<b>Direct Costs (Specify)</b>				
Reproduction	<i>Sets</i>	<i>Sheets/set</i>	<i>Cost/sheet</i>	
CADD Mylars				\$ -
Color Plots				\$ -
Blacklines				\$ -
Blacklines - Half Size				\$ -
Photocopies		<i>copies x</i>		
Color Copies		<i>copies x</i>		
Supplies, Postage, Communication				
Travel		<i>miles</i>	<i>\$0.580</i>	\$ -
Subcontractors				
Other Direct Expenses (List)				
<b>Total Direct Costs</b>				<b>\$ -</b>
<b>Total Estimated Costs</b>				<b>\$ 3,706.61</b>
<b>Profit</b>			10.00%	<b>\$ 370.66</b>
<b>Maximum Amount of Contract Proposal</b>				<b>\$ 4,077.27</b>

Task Final Bridge Plans

Task No. 1C

#	Item/Task Description	No. of Dwgs.	PM	Sr. Eng.	Prj. Eng.	Staff Eng.	CADD	Cler.	Total
	<b>Revise Plans</b>								
1	P&E			3	3	12			18
2	Construction sequence			2	3	9			14
3	Deck plan			2		6			8
4	Deck sections			2	3	6			11
5	Beam Sheets/ Steel Details (Studs on Existing Beams)			2	2	6			10
6	Misc Details & Edge Beams			3	6	9			18
7	Abutment Sheet				3	6			9
8	Abut Details Sheet				2	3			5
9	Reinforcing Sheets			3	12	3			18
10	Quantities			12	12				24
11	<b>QA/QC</b>			18					18
12	Revise and resubmit Preliminary Plan Submittal			3		6			9
13	Re-submit Final Submittal			3		6			9
14	Revisions from final Submittal			3		6			9
<b>Total</b>				56	46	78			180

# ARCADIS

## Engineering Cost Proposal

Roswell Road Bridge Widening Change Order #2

Cost Estimate

Task Final Bridge Plans

Task No. 1C

<b>DIRECT LABOR</b>				
<b>Personnel</b>	<b>Est. Hours</b>	<b>Rate/Hour</b>	<b>Cost (\$)</b>	<b>Totals</b>
Project Manager		\$ 52.52	\$ -	
Senior Engineer	56	\$ 42.62	\$ 2,386.72	
Project Engineer	46	\$ 36.06	\$ 1,658.76	
Staff Engineer	78	\$ 32.78	\$ 2,556.84	
CADD Technician		\$ 24.59	\$ -	
Clerical		\$ 19.67	\$ -	
<b>Total Direct Labor</b>	180		\$ 6,602.32	\$ 6,602.32
Overhead (Indirect Cost on Labor Above)			170.50%	
Labor x Overhead Rate = Overhead (\$)				\$ 11,256.96
<b>Total Direct Labor plus Overhead</b>				\$ 17,859.28
<b>Direct Costs (Specify)</b>				
Reproduction	<i>Sets</i>	<i>Sheets/set</i>	<i>Cost/sheet</i>	
CADD Mylars				\$ -
Color Plots				\$ -
Blacklines				\$ -
Blacklines - Half Size				\$ -
Photocopies		<i>copies x</i>		
Color Copies		<i>copies x</i>		
Supplies, Postage, Communication				\$ 100.00
Travel		<i>miles</i>	<i>\$0.580</i>	\$ -
Subcontractors				
Other Direct Expenses (List)				
Outsource Printing				
<b>Total Direct Costs</b>				\$ 100.00
<b>Total Estimated Costs</b>				\$ 17,959.28
<b>Profit</b>			10.00%	\$ 1,785.93
<b>Maximum Amount of Contract Proposal</b>				\$ 19,745.21