



AM No. 12-44: CONTRACT AMENDMENT TO R&M CONSULTANTS, INC. IN THE AMOUNT OF \$51,989 TO COMPLETE THE KNIK-GOOSE BAY ROAD AND FERN STREET INTERSECTION IMPROVEMENTS ENGINEERING DESIGN.

Agenda of: November 26, 2012
Originator: Public Works Director

Date: November 6, 2012

Route to:	Department	Signature	Date
X	Public Works Director		11/6/12
X	Finance Director		11-6-12
X	Interim Deputy Administrator		11/06/12
X	City Clerk		11/7/12

REVIEWED BY MAYOR VERNE E. RUPRIGHT:

FISCAL IMPACT: yes \$51,989 Funds Available Yes

Account name/number: KGB-Fern St/160-4320-432.45-41

Attachments: Contract Amendment Request No. 3 (9 pages)

SUMMARY STATEMENT: The original contract was awarded by City Council in 2008 to R&M Consultants, Inc. in the amount of \$284,077 based on the City's Request for Proposal RFP-0691-0-2008. This contract was originally funded with a legislative grant from the State of Alaska in the amount of \$300,000. The contract was awarded with the knowledge that additional funding would be needed to complete the engineering services.

The Alaska Department of Transportation made additional funding available in the amount of \$450,000 through Ordinance Serial No. 10-26. Contract amendment number 2 was awarded on September 27, 2010 in the amount of \$310,240 through AM No. 10-28. Contract amendment number 3 is proposed as the final amendment to complete design services and make the project bid ready. Once the project is bid ready, it will be transferred to the Department of Transportation to bid the project and oversee construction using state funds.

The project is planned to be bid this winter with construction to commence by June 1, 2013. This project has expanded in scope to include the 2-lane south bound traffic configuration from the Palmer-Wasilla Highway extension through the new Fern Street intersection.

STAFF RECOMMENDATION: Adopt AM No. 12-44.

Date: 11/26/12	Approved: <input checked="" type="checkbox"/>	Denied: <input type="checkbox"/>	Initials: JS	Comments:
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R&M CONSULTANTS, INC.
9101 Vanguard Drive, Anchorage, Alaska 99507

(907) 522-1707, FAX (907) 522-3403, www.rmconsult.com

October 3, 2012

R&M No. 1515.01

Mr. Archie Giddings, PE
Director of Public Works
City of Wasilla
290 E. Herning Avenue
Wasilla, AK 99654

RE: RFP No. 0691-0-2008/WM
Knik-Goose Bay Road (KGB) and Fern Street Intersection Improvements
Contract Amendment Request No. 3

Dear Mr. Giddings:

R&M Consultants Inc. (R&M) requests an amendment to complete the design of the KGB Road and Fern Street Intersection Improvements project.

Historically, construction funding has been below the estimated construction costs provided with the engineer's estimates accompanying all major plan set submittals. As a result, the project has been delayed while additional funding was pursued. Associated with each restart, R&M has submitted a revised plan set, attended formal Department of Transportation and Public Facilities (DOT&PF or Department) design or peer reviews and adjusted the project design in response to Department's review comments received. As an example, we have submitted three PS&E plan set assemblies: 1) March 31, 2008; 2) November 18, 2010, and 3) February 24, 2012. In conjunction with the last plan set assembly submittal, the State of Alaska appropriated approximately \$10 million for two construction projects along the KGB corridor, this project being one of them. These delays, additional submittals, and design revision have both increased the project scope and impacted the R&M budget. In the interest of continuing to advance the project toward the goal of a fall 2012 bid advertisement, R&M has incurred costs beyond the authorized contract amount. These costs are primarily for the months of July and August 2012.

The following is an overview of the additional work:

Task 3.1 - Preliminary Engineering Report

This project primarily improves a DOT&PF highway within DOT&PF right of way. The Department has stated they will have approval and signature authority. As a result, R&M has had to convert previously completed engineering deliverables into the DOT&PF layout and format for approval. Central to this effort is converting the original Preliminary Engineering Report (PER) into the DOT&PF Design Study Report (DSR).

Task 3.3 - Final Design

Plans, Specifications, and Estimate (PS&E) Plan Set Assembly

In preparation for our February 2012 PS&E submittal, the Department requested that we change the plan set to match the DOT&PF's new standards. This involved changing the layout and organization of the sheets in the plan set. R&M had estimated 28 drawings for the completed plan set as originally planned. With the increased project scope approximately 60 plan set drawings will be required for bid advertisement.

Because so much time had passed between reviews and submittals, R&M had to revisit the entire list of statewide standard modifications, statewide special provisions, regional modifications and regional special provisions to incorporate the most current working versions in the project special provisions. A number of the specifications had changed substantially between submittals, particularly the hot mix asphalt, erosion, sediment, and pollution control, traffic signal and highway lighting specifications.

Another area of additional work was converting the previously prepared Erosion and Sediment Control Plan into the new format using the DOT&PF template.

The final area of additional work was compiling and responding to review comments. The Department has a very formal process for submitting and tracking review comments, adjudicating, and preparing responses. These comment forms are submitted with each subsequent plan set assembly documenting design evolution.

The following key design areas required extra work:

- KGB typical sections,
- Pathway relocation,
- Drainage
- Highway Lighting

KGB typical sections

A significant amount of work was required to optimize the KGB roadway and separated pathway typical sections, particularly the grading and side slopes beyond the edge of pavement to satisfy the clear roadside concept. Review comments increased the length of highway lighting, and re-routed drainage.

Pathway relocation

Coordinating among the various utility owners precipitated multiple pathway redesigns in order to finalize the utility agreements.

Drainage

Flattening the roadside slopes and ditches required re-routing the drainage along KGB from the north to the south side. This is accomplished with installing new cross culverts under KGB.

Highway Lighting

The limits of highway lighting along KGB Road was expanded from originally the KGB and Fern Street intersection to cover the entire length of the north and south bound left turn lanes. Subconsultant EDC , Inc. has prepared an estimate for completing the highway lighting design per DOT&PF direction.

New work includes:

KGB and Palmer Wasilla Highway Intersection Signal Changes

Comment received at the March 28, 2012 review meeting directed R&M to add the adjustment of the traffic signal heads at the Palmer Wasilla Highway and KGB Road intersection. Work includes re-positioning the existing traffic signal heads with the traffic lanes. Subconsultant EDC , Inc. has prepared an estimate for completing the design activities and providing the necessary plan drawings and special provisions to accomplish the work under the KGB Road and Fern Street Intersection Improvements project construction.

R&M is requesting an increase of \$51,989 to our contract amount to complete the project through Bidding and Contract award.

Please call if you have any questions or need additional clarification. We look forward to the City's response.

Sincerely,

R&M CONSULTANTS, INC.



Lance W. DeBernardi, P.E.
Project Manager

Enclosures: Budget Summary and Fee Proposal with hourly breakdowns

PRICE PER TASK SUMMARY FOR THIS AMENDMENT

FIRM: R&M Consultants, Inc.		PROJECT TITLE:	DATE: 10/3/2012
Client: City of Wasilla		KGB Road / Fern Street Intersection Imp.	
Task	Task Description	Total Cost	
3.1	Preliminary Engineering Report	\$4,868	
3.3	Final Design	\$40,093	
3.4	Utilities	\$6,973	
	Total Proposed Services	\$51,934	

R&M CONSULTANTS, INC.

FIRM: R&M Consultants, Inc.		PROJECT: KGB Road/Fern Street Intx Improvements									
Task: 3.3	DESC: Final Design						DATE: 10/03/12				
SUB-TASK	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION									
		Contract Manager	Senior Engineer	Project Manager	Project Engineer	Staff Engineer	Clerical				
	Final PS&E	4	12		30	60					
	Specifications		16								
	Quantities		4		8	40					
	Cost Estimate		4		4	12					
	Cross Sections				8	40					
	ESCP		4			40					
TOTAL LABOR HOURS		4	40	0	50	192	0				
LABOR RATES (\$/HR)		\$235.09	\$166.28	\$166.28	\$116.83	\$88.88	\$78.93				
LABOR COSTS (\$)		\$940.36	\$6,651.20	\$0.00	\$5,841.50	\$17,064.96	\$0.00	\$0.00			
EXPENSES		COMMENTS: 									
Account Code	DESCRIPTION								QUANTITY	UNIT PRICE	TOTAL PRICE
	Vehicle								500	\$ 0.60	\$ 300.00
	0									\$ -	\$ -
										\$ -	\$ -
										\$ -	\$ -
										\$ -	\$ -
										\$ -	\$ -
										\$ -	\$ -
										\$ -	\$ -
		TOTAL EXPENSES		\$ 300.00							
SUB-CONTRACTORS											
SUB-TASK	DESCRIPTION	FIRM	TOTAL PRICE								
	Electrical	EDC	\$ 8,450.00								
					TOTAL LABOR	\$ 30,498					
					TOTAL EXPENSES	\$ 300					
					SUBCONTRACTORS	\$ 8,450					
					SUBCONTRACTORS MARK-UP	\$ 845					
		SUB-CONTRACTORS	\$ 8,450.00		TOTAL (NOT-TO-EXCEED) COST	\$ 40,093					

R&M CONSULTANTS, INC.

FIRM: R&M Consultants, Inc.		PROJECT: KGB Road / Fern Street Intx Improvements									
Task: 3.4	DESC: Utilities	LABOR HOURS PER JOB CLASSIFICATION					DATE: 10/03/12				
SUB-TASK	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION									
		Contract Manager	Senior Engineer	Project Manager	Project Engineer	Staff Engineer	Clerical				
	Utility Conflict Identification		2			8					
	Cross Sections		2			24					
	Coordinate w/ DOT & Utilities		8			24					
TOTAL LABOR HOURS		0	12	0	0	56	0				
LABOR RATES (\$/HR)		\$235.09	\$166.28	\$166.28	\$116.83	\$88.88	\$78.93				
LABOR COSTS (\$)		\$0.00	\$1,995.36	\$0.00	\$0.00	\$4,977.28	\$0.00	\$0.00			
EXPENSES		COMMENTS: 									
Account Code	DESCRIPTION								QUANTITY	UNIT PRICE	TOTAL PRICE
	Vehicle								0	\$ 0.60	\$ -
	Reproductions								0	\$ 0.25	\$ -
											\$ -
											\$ -
											\$ -
											\$ -
											\$ -
											\$ -
TOTAL EXPENSES				\$ -							
SUB-CONTRACTORS											
SUB-TASK	DESCRIPTION	FIRM	TOTAL PRICE								
					TOTAL LABOR \$ 6,973						
					TOTAL EXPENSES \$ -						
					SUBCONTRACTORS \$ -						
					SUBCONTRACTORS MARK-UP \$ -						
SUB-CONTRACTORS			\$ -	TOTAL (NOT-TO-EXCEED) COST \$ 6,973							



ENGINEERING DESIGN &

An Alaskan Owned Professional Corporation

EDC, INC.

213 W. Fireweed Lane
Anchorage, AK 99503

October 2, 2012
Lance Debernardi, P.E.
R&M Consultants
9101 Vanguard Dr
Anchorage, AK 99507

Subject: Additional Work Fee Proposal – Knik-Goose Bay Road and Fern Street Intersection

Dear Lance:

This proposal is for the additional work for the electrical design of the Knik-Goose Bay Road and Fern Street Intersection. This proposal is based on the following:

SCOPE

The design is expanded to include illumination of the left turn bays along KGB Road approaching Fern Street and revising signal heads and locations at the KGB Road and Palmer-Wasilla Highway intersection.

The following additional drawings are anticipated:

1. Illumination Plan
2. Palmer-Wasilla Signalization Plan
3. Lighting Standard Details

Drawings will be prepared using AutoCAD v.2012.

ASSUMPTIONS:

- No site visits will be necessary during design phases.
- EDC, Inc. will be provided with site plan background drawings in AutoCAD format for our use.

EXCLUSIONS

This proposal includes work through the preparation of final design documents only. It does not include:

- Construction services such as amendments, bid evaluations, submittal reviews, design clarifications, site inspections, operations manuals or record drawings.

DELIVERABLES

For each submittal the following will be provided as appropriate:

PHONE (907) 276-7933
FAX (907) 276-4763

Additional Work Fee Proposal – Knik-Goose Bay Road and Fern Street Intersection

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October 2, 2012

- PDF's of the design drawings.
- Special Provisions to the State of Alaska 2004 Standard Specifications for Highway Construction in Microsoft Word format.
- An engineer's construction cost estimate in Microsoft Excel format.
- Hardcopies of the drawings, specifications and estimate will be available upon request.

FEE

Turn Bay Illumination	\$5,370
Palmer-Wasilla Hwy Signal Revisions	\$3,080
Total	<u>\$8,450</u>

If you have any questions concerning our understanding of the revised scope of work or the proposed fee estimate please feel free to call.

Sincerely,



John Pepe, P.E. / EDC, INC.