



	Approved	Denied
Date Action Taken:	9/27/10	
Other:		
Verified by:	<i>[Signature]</i>	

**WASILLA CITY COUNCIL ACTION MEMORANDUM**

**AM No. 10-28**

**TITLE:** CONTRACT AMENDMENT TO R&M CONSULTANTS, INC. IN THE AMOUNT OF \$310,240 FOR ENGINEERING SERVICES FOR THE KNIK-GOOSE BAY ROAD AND FERN STREET INTERSECTION IMPROVEMENTS.

**Agenda of:** September 27, 2010  
**Originator:** Public Works Director

**Date:** September 15, 2010

Route to:	Department	Signature/Date
X	Public Works Director	<i>[Signature]</i> 9/15/10
X	Finance Director	<i>[Signature]</i> 9-15-10
X	Deputy Administrator	<i>[Signature]</i>
X	City Clerk	<i>[Signature]</i>

**REVIEWED BY MAYOR VERNE E. RUPRIGHT:** *[Signature]*

**FISCAL IMPACT:**  yes \$310,240 or  no Funds Available  yes  
**Account name/number:** KGB & Fern Street Imp/160-4320-432.45-41

**Attachments:** R&M Proposal (10 pages)  
 Request for Proposal Summary (2 pages)  
 Ordinance Serial No. 10-26 (1 page)

**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 has been funded with a legislative grant from the State of Alaska in the amount of \$300,000. The original contract was awarded with the knowledge that additional funding would be needed to complete the engineering services. The Alaska Department of Transportation has made additional funding available in the amount of \$450,000 through Ordinance Serial No. 10-26 based on a review of the R&M proposal.

**STAFF RECOMMENDATION:** Authorize Mayor to execute a contract amendment with R&M Consultants in the amount of \$310,240 for Knik-Goose Bay Road and Fern Street Intersection engineering services using Alaska Department of Transportation funding.



**R&M CONSULTANTS, INC.**  
8101 Vanguard Drive, Anchorage, Alaska 99507

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

March 26, 2010

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 #1*

Dear Mr. Giddings:

R&M Consultants Inc. (R&M) requests an amendment to complete the design of the Fern Street Intersection Improvements. As you are aware the project has increased significantly in scope which has had a corollary impact to R&M's budget. Following is an overview of the additional work that was not anticipated.

***Project Overview***

The original project scope was to design for a new traffic signal installation with a minimum amount of road widening sufficient to accommodate left turn pockets. R&M had anticipated that the road reconstruction required for the intersection improvements would involve a total length of about 1500 feet. In November, 2009 the final Traffic Impact Analysis (TIA) Report was completed. The TIA described the types of improvements necessary for a traffic signal to function adequately at this location and what the DOT&PF would likely require on this State route. The report was formally approved during the Plan-in-Hand plan review held on January 7, 2010. In order for the new signal to operate adequately (considering delay, level of service and safety) under the forecasted traffic volumes, the TIA recommended designing multiple southbound lanes on KGB Road (about ½ mile in each direction from the existing Fern Street intersection) resulting in a multilane intersection design. As the design process evolved to incorporate these recommendations, the scope of the project and estimated construction costs increased (\$1 million to \$5 million). This expanded project scope has resulted in the following changes and increased our level of effort.

***Task 3.1 - Preliminary Engineering Report***

Content and detail required for the Preliminary Engineering (PER) and Utility Conflict (UCR) Reports has increased. With the multilane and widened roadway sections, there are significantly more impacts to the existing pathway, residential and commercial approaches and utilities which had to be addressed with the design.

***Task 3.2 – Environmental and Public Involvement Activities***

Additional environmental activities associated with increased project scope include additional analysis of anticipated roadway impacts, expanded review, comment and approval process for the Environmental Checklist for State Funded project by the DOT&PF.

*Task 3.3 - Final Design*

Plans, Specifications, and Estimate (PS&E)

The recommendation to multilane KGB has evolved into a design optimization effort, balancing the need to minimize impacts to existing facilities and right of way, while preserving the roadway function and intersection operation. Our level of effort and detail has increased primarily in the following areas:

- KGB typical sections,
- Pathway relocation,
- Approaches (residential and commercial),
- Drainage
- Traffic Control and Construction Phasing

KGB typical sections

Under the planned improvements, the existing KGB southbound (SB) traffic lane will become the new left turn lanes. Incorporating the TIA's recommendations, the new edge of pavement will be approximately 30-feet offset from the existing pavement edge, effectively doubling the size of SB KBG. The 1-mile of widened roadway has resulted in extensive modeling to engineer the pathway, cut/fill slope limits, ditch and roadway typical sections to be in accordance with the principles of roadside safety.

Pathway relocation

With the wider KGB roadway, there is less space available to fit the separated pathway. As a result, approximately 2,800-feet of pathway had to be optimized to reduce utility impacts and avoid the need to acquire right of way. The separated pathway and KGB typical sections had to be engineered together to develop a complete and accurate roadway model to assess impacts, approaches and drainage.

Approaches

Eight approaches on the north side of KGB Road required redesign to accommodate the additional lanes and relocated pathway. Each approach has been engineered to meet the DOT's minimum requirements depending on the type of approach (residential or commercial). In addition, each approach will have to be permitted as discussed under Task 3.5.

Drainage

With the widened roadway, the existing drainage network of roadside ditches and culverts required reconstruction to current standards. The proposed drainage elements aim to improve the area's drainage with increased capacity (enhanced ditch geometry) and new culverts (24-inch vs. existing 18-inch). In addition, there is proposed ditch grading at Knik Tire and Auto to improve drainage flow through this low lying area.

PS&E

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.

Additional tasks include:

***New Task --Task 3.4 Utilities***

With the increased widths and lengths of the planned improvements, greater coordination among the individual utilities is required. Additional meetings, coordination, plan and cross section reviews, and design alternatives to minimize impacts without compromising roadway function and operation are required.

Preparing Utility Agreements

Additional and more detailed utility agreements are required. Based on the December, 2009 initial utility meeting, individual agreements are anticipated from the following utilities; Enstar, MTA, MEA, and GCI. A separate utility agreement will be required for the signal load center. Subconsultant Raven Engineering has prepared an estimate for coordinating and preparing the required individual utility agreements.

Review by DOT&PF Utility Section

During a December, 2009 meeting with the DOT&PF Utilities Section, it was communicated that the DOT must be involved with any agreement concerning funding, placement, relocation and or adjustment within its right of way. The level of involvement includes agreement reviews, utility design (relocation and or adjustment) reviews, plan assembly reviews, and project certification. All formal written communications with individual utilities, including agreements must be prepared for DOT signatures before release.

***New Task --Task 3.5 – Right of Way***

The original scope didn't include budget for meeting with property owners adjacent to the project and discussed how the project would impact their property and or approaches. This face-to face could be consider part of the public involvement subtask, but is better linked to design tasks since there are detailed communications (written and phone) accompanied by exchanges of engineered drawings.

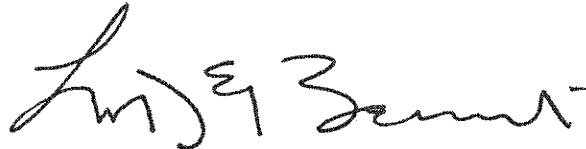
In addition, each approach will have to be permitted by the DOT&PF's Right of Way Section through the Approach Road Review process. For example, to date we have spent a considerable amount of time communicating with Mr. Randy Harman (he owns the property opposite Fern Street) about the project and its impacts.

We are within one week of submitting the Pre-PS&E plan assembly to the DOT&PF for review. Attached is a budget breakdown of additional work completed to get the plans to this point of development as well as an anticipated cost to complete the design. A review of our files shows that our contract expired in June 2009. We respectfully request an extension under this amendment to December 2010.

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

Sincerely,

R&M CONSULTANTS, INC.

A handwritten signature in black ink, appearing to read "Lance W. DeBernardi". The signature is fluid and cursive, with the first name "Lance" being the most prominent.

Lance W. DeBernardi, P.E.  
Project Manager

Enclosures: Budget Summary and Fee Proposal with hourly breakdowns

**PRICE PER TASK SUMMARY FOR THIS AMENDMENT**

<b>FIRM: R&amp;M Consultants, Inc.</b>		<b>PROJECT TITLE:</b>	<b>DATE: 3/26/2010</b>
<b>Client: City of Wasilla</b>		<b>KGB Road / Fern Street Intersection Imp.</b>	
<b>Task</b>	<b>Task Description</b>	<b>Total Cost</b>	
3.1	Preliminary Engineering Report	\$7,168	
3.2	Environmental and Public Activities	\$17,945	
3.3	Final Design	\$210,515	
3.4	Utilities	\$57,809	
3.5	Right of Way	\$16,803	
<b>Total Proposed Services</b>		<b>\$310,240</b>	

# R&M CONSULTANTS, INC.

FIRM: R&M Consultants, Inc.		PROJECT: KGB Road / Fern Street Intersection Imp.							
Task:	3.1	DESC:	Preliminary Engineering Report					DATE:	03/26/10
SUB-TASK	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION							
		Contract Manager	Senior Engineer	Project Manager	Project Engineer	Staff Engineer	Clerical		
	Review Meeting/Comments			4	4	16			
	Final PER	2		8	8	24			
<b>TOTAL LABOR HOURS</b>		2	0	12	12	40	0	0.00	
<b>LABOR RATES (\$/HR)</b>		\$196.60	\$147.08	\$147.08	\$99.02	\$81.80	\$71.75		
<b>LABOR COSTS (\$)</b>		\$393.20	\$0.00	\$1,764.96	\$1,188.24	\$3,272.00	\$0.00	\$0.00	
EXPENSES					COMMENTS:				
Account Code	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE					
	R&M Vehicle	500	\$ 0.60	\$ 300.00					
	Reproductions	1000	\$ 0.25	\$ 250.00					
				\$ -					
				\$ -					
				\$ -					
				\$ -					
				\$ -					
				\$ -					
<b>TOTAL EXPENSES</b>				<b>\$ 550.00</b>					
SUB-CONTRACTORS									
SUB-TASK	DESCRIPTION	FIRM	TOTAL PRICE						
				<b>TOTAL LABOR</b>	<b>\$ 6,618</b>				
				<b>TOTAL EXPENSES</b>	<b>\$ 550</b>				
				<b>SUBCONTRACTORS</b>	<b>\$ -</b>				
				<b>SUBCONTRACTORS MARK-UP</b>	<b>\$ -</b>				
<b>SUB-CONTRACTORS</b>			<b>\$ -</b>	<b>TOTAL (NOT-TO-EXCEED) COST</b>	<b>\$ 7,168</b>				

# R&M CONSULTANTS, INC.

FIRM: R&M Consultants, Inc.		PROJECT: KGB Road / Fern Street Intersection Imp.						
Task: 3.2	DESC: Environmental and Public Activities					DATE: 03/26/10		
SUB-TASK	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION						
		Contract Manager	Project Manager	Sr. Environmental Specialist	Environmental Specialist	Public Involvement Assistant	Drafting Technician	Clerical
	<b>Environmental Document</b>							
	Revise Draft Checklist per Comments		2	4	8		2	2
	Section 106 Consultation w/ MSB			2	12		2	
	Submit Final Checklist for Approval		1	4			1	2
	<b>Public Involvement Activities</b>							
	Compile Mailing List		2			4		
	Prepare for and Conduct Public Mtg (1)		16	16		24	8	
	Prepare Flyers and Mailing Notices		2	2		24	4	6
	<b>Permitting</b>							
	DNR Water Use		1	6				
	ADEC Approvals		1	4				
	Local Coordination		2	1	2	1	1	1
	Other Approvals as needed			4	2			
<b>TOTAL LABOR HOURS</b>		0	27	43	24	53	18	11
<b>LABOR RATES (\$/HR)</b>		\$196.60	\$147.08	\$116.24	\$80.36	\$80.36	\$76.06	\$78.93
<b>LABOR COSTS (\$)</b>		\$0.00	\$3,971.16	\$4,998.32	\$1,928.64	\$4,259.08	\$1,369.08	\$868.23
<b>EXPENSES</b>								
Account Code	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	<b>COMMENTS:</b> Draft Checklist for State funded Projects submitted on 01.15.2010.			
	R&M Vehicle	250	\$ 0.60	\$ 150.00				
	Reproductions	1000	\$ 0.25	\$ 250.00				
	Communications	3	\$ 50.00	\$ 150.00				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
<b>TOTAL EXPENSES</b>				<b>\$ 550.00</b>				
<b>SUB-CONTRACTORS</b>								
SUB-TASK	DESCRIPTION	FIRM	TOTAL PRICE	<b>TOTAL LABOR</b> \$ 17,395 <b>TOTAL EXPENSES</b> \$ 550 <b>SUBCONTRACTORS</b> \$ - <b>SUBCONTRACTORS MARK-UP</b> \$ - <b>TOTAL (NOT-TO-EXCEED) COST</b> \$ 17,945				
<b>SUB-CONTRACTORS</b>			<b>\$ -</b>					



# R&M CONSULTANTS, INC.

FIRM: R&M Consultants, Inc.		PROJECT: KGB Road / Fern Street Intersection Imp.						
Task:	3.3	DESC:	Final Design				DATE:	03/26/10
SUB-TASK	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION						
		Contract Manager	Senior Engineer	Project Manager	Project Engineer	Staff Engineer	Clerical	
	Project Management (Schedule, Budget, Coordination)	4		60				
	Plan Assembly Milestones							
	PIH Review Comment Responses		4		8	32		
	Pre PS&E	4	200		350	650	16	
	Pre PS&E Review Mtg		4			4		
	Pre-PS&E Review Comment Responses		4		4	16		
	Final PS&E	4	50		80	180	8	
	Specifications		30				24	
	Quantities				8	40		
	Cost Estimate		8		8	32		
	Approach Roadway Permits		8		8	40		
	Cross Sections		4		8	40		
	Peer Review	4						
	Assistance during Bidding		10	10		16		
<b>TOTAL LABOR HOURS</b>		16	322	70	474	1050	48	
<b>LABOR RATES (\$/HR)</b>		\$196.60	\$147.08	\$147.08	\$99.02	\$81.80	\$78.93	
<b>LABOR COSTS (\$)</b>		\$3,145.60	\$47,359.76	\$10,295.60	\$46,935.48	\$85,890.00	\$3,788.64	
<b>EXPENSES</b>								
Account Code	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	<b>COMMENTS:</b> 1. Plan in Hand Plan Assembly Submitted on December 04, 2009. 2. Plan in Hand Review Conducted on January 07, 2010.			
	Vehicle	500	\$ 0.60	\$ 300.00				
	Reproductions	1000	\$ 0.25	\$ 250.00				
	Communications	1000	\$ 0.15	\$ 150.00				
	Mylars (2 sets)	120	\$ 10.00	\$ 1,200.00				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
<b>TOTAL EXPENSES</b>				<b>\$ 1,900.00</b>				
SUB-CONTRACTORS								
SUB-TASK	DESCRIPTION	FIRM	TOTAL PRICE					
	Electrical	EDC	\$ 10,000.00					
				<b>TOTAL LABOR</b>	<b>\$ 197,415</b>			
				<b>TOTAL EXPENSES</b>	<b>\$ 1,900</b>			
				<b>SUBCONTRACTORS</b>	<b>\$ 10,000</b>			
				<b>SUBCONTRACTORS MARK-UP</b>	<b>\$ 1,200</b>			
<b>SUB-CONTRACTORS</b>				<b>\$ 10,000.00</b>	<b>TOTAL (NOT-TO-EXCEED) COST</b>			
					<b>\$ 210,515</b>			

# R&M CONSULTANTS, INC.

FIRM: R&M Consultants, Inc.		PROJECT: KGB Road / Fern Street Intersection Imp.						
Task:	3.4	DESC: Utilities					DATE:	03/26/10
SUB-TASK	SUB-TASK DESCRIPTION	LABOR HOURS PER JOB CLASSIFICATION						
		Contract Manager	Senior Engineer	Project Manager	Project Engineer	Staff Engineer	Clerical	
	Project Management			8				
	Utility Conflict Identification		2			8		
	Cross Sections		2			32		
	Coordinate w/ DOT & Utilities		24			24		
	Review Utility Agreements & Prepare Specification Section 107		32					
<b>TOTAL LABOR HOURS</b>		0	60	8	0	64	0	
<b>LABOR RATES (\$/HR)</b>		\$196.60	\$147.08	\$147.08	\$99.02	\$81.80	\$78.93	
<b>LABOR COSTS (\$)</b>		\$0.00	\$8,824.80	\$1,176.64	\$0.00	\$5,235.20	\$0.00	\$0.00
<b>EXPENSES</b>		<b>COMMENTS:</b>						
Account Code	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE				
	Vehicle	200	\$ 0.60	\$ 120.00				
	Reproductions	1000	\$ 0.25	\$ 250.00				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
				\$ -				
<b>TOTAL EXPENSES</b>				<b>\$ 370.00</b>				
SUB-CONTRACTORS								
SUB-TASK	DESCRIPTION	FIRM		TOTAL PRICE				
	Prepare Utility Agreements	Raven Engineering		\$ 37,680.00				
<b>TOTAL LABOR</b>				<b>\$ 15,237</b>				
<b>TOTAL EXPENSES</b>				<b>\$ 370</b>				
<b>SUBCONTRACTORS</b>				<b>\$ 37,680</b>				
<b>SUBCONTRACTORS MARK-UP</b>				<b>\$ 4,522</b>				
<b>SUB-CONTRACTORS</b>				<b>\$ 37,680.00</b>				
<b>TOTAL (NOT-TO-EXCEED) COST</b>				<b>\$ 57,809</b>				



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**Bid Details**

**Bid Information**

**EDIT**

Agency City of Wasilla  
 Bid Type Request for Proposal  
 Bid Number RFP-0691-0-2008/tt  
 Fiscal Year 2008  
 Bid Writer Troy Tankersley  
 Bid Name Knik-Goose Bay Road/Fern Street Intersection Improvements Engineering Services  
 Bid Status Awarded  
 Bid Status Text A Recommendation of Award in the form of an Action Memorandum was approved by the Wasilla City Council on June 23, 2008 for a contract with R&M Consultants.  
 Award To R&M Consultants, Inc. \$284,077.00  
 Due Date/Time 3/14/2008 2:00 PM Alaska  
 Broadcast Date 2/1/2008  
 Bid Bond  
 Project Estimated Budget  
 Plan (blueprint) Distribution Options None  
 Distribution Method Download and Mail  
 Distributed By Onvia DemandStar  
 Distribution Notes None  
 Scope of Work The City of Wasilla is requesting proposals and intends to select a qualified firm or individuals interested in providing engineering services for both the preliminary and final design phases, and the bidding phase for Knik-Goose Bay Road/Fern Street Intersection Improvements. City, Borough and State traffic planners recently met regarding the connection of Fern Street to Edlund Road. The borough's extension of Fern Street is nearly complete. State DOT engineers are requiring traffic improvements up to and including a traffic signal at Knik-Goose Bay Road and Fern Street before the Fern Street/Edlund Road connection can be permitted.  
 E-Bidding No

**Legal Ad**

**VIEW**

Please select either the View or Edit button to manage legal ad.

**Pre-Bid Conference**

**Publications**

Anchorage Daily News 2/1/2008  
 The Frontiersman 2/5/2008

**Documents**

**EDIT**

Bid Package RFP - KGB/Fern (41 Pages, Complete)  
RFP - KGB/Fern Addendum #1 (1 Page, Complete)  
RFP - KGB/Fern Addendum #2 (1 Page, Complete)  
RFP - KGB/Fern Addendum #3 (9 Pages, Complete)  
RFP - KGB/Fern Addendum #4 (1 Page, Complete)  
RFP - KGB/Fern Addendum #5 (1 Page, Complete)  
RFP - KGB/Fern Addendum #6 (5 Pages, Complete)

**Commodity Codes**

SRV-925-33 - Engineer Services, Professional  
SRV-925-49 - Highways; Streets; Airport Pay-Parking Lots - Engineering  
SRV-925-70 - Municipal Engineering  
SRV-925-93 - Traffic and Transportation Engineering

**Statistics**

Planholders There are 0 planholders for this bid  
Broadcast List 0 suppliers have been notified  
Supplemental Suppliers 8 Supplemental Suppliers  
Filtered Yes  
Post-Bid Viewers 0 viewer(s)

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NON-CODE ORDINANCE

By: Public Works  
Introduced: 08/09/10  
Public Hearing: 08/23/10  
Adopted: 08/23/10

**CITY OF WASILLA  
ORDINANCE SERIAL NO. 10-26**

**AN ORDINANCE OF THE WASILLA CITY COUNCIL ACCEPTING AND APPROPRIATING STATE OF ALASKA, DEPARTMENT OF TRANSPORTATION, FUNDING IN THE AMOUNT OF \$450,000 FOR KNIK-GOOSE BAY ROAD AND FERN STREET IMPROVEMENTS .**

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**Section 1. Classification.** This is a non-code ordinance.

**Section 2. Purpose.** To accept and appropriate \$450,000 in State of Alaska Department of Transportation Funding for Knik-Goose Bay Road (KGB) and Fern Street Improvements.

**Section 3. Appropriation.** The funds are appropriated to the following:


KGB & Fern Street Imp	160-4320-432.45-41	\$450,000
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**Section 4. Source of Funds.**

KGB & Fern Street Imp	160-4300-334.30-65	\$450,000
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**Section 5. Effective date.** This ordinance shall take effect upon adoption by the Wasilla City Council.

ADOPTED by the Wasilla City Council on August 23, 2010.

  
VERNE E. RUPPRIGHT, Mayor

ATTEST:

  
KRISTIE SMITHERS, MMC, City Clerk

[SEAL]

VOTE: Hall, Harris, Katkus, Larson and Woodruff in favor. Seat D Vacant.