

Implementation Assistance, LFUCG Police 800 MHz P25 Trunked Radio System

Presented to:

Lexington Fayette Urban County Government

May 23, 2012



RCC Consultants, Inc.

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May 23, 2012

Assistant Chief Robert Stack

Bureau of Administration

Lexington Division of Police

150 E. Main Street

Lexington, KY 40507

859-258-3528

RE: Implementation Assistance

Dear Chief Stack-

RCC Consultants, Inc. is pleased to submit the enclosed quotation to provide consulting and engineering services as discussed in our meetings on May 09, 2012 and subsequent e-mail communications.

RCC understands that Lexington Fayette Urban County Government has executed a contract for the new 800 MHz trunked P25 radio system and is seeking specific expert assistance in its implementation. The objective of the project is to ensure transition of the LFUCG Police onto the new system in time to meet the Federal narrowbanding deadline of 12/31/2012.

LFUCG will use its own resources to manage the project on daily basis. The scope of services to be provided by RCC includes two primary areas of activity: in-depth review of system design documentation provided by the vendor and participation in field system acceptance testing.

Please refer to our original proposal dated June 7, 2011 for additional corporate or team details.

For any questions or clarifications I can be reached by telephone at (502) 370-4381 or by e-mail at dwieczorek@rcc.com.

Sincerely,

A handwritten signature in black ink that reads "Darek Wieczorek". The signature is written in a cursive, flowing style.

Darek Wieczorek
Managing Director, Midwest Region

RCC Consultants, Inc.

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SCOPE OF WORK

RCC will assist the LFUCG in the implementation of the newly procured 800 MHz trunked P25 radio system in specific areas as requested.

According to Cassidian's implementation plan, the following major milestones will occur throughout the project:

- Project Kickoff Meeting (with RCC's participation)
- Preliminary Design Review (PDR) (with RCC's participation)
- Final Design Review (FDR) (with RCC's participation)
- *Supply of Equipment delivered*
- *Factory Acceptance Testing*
- *Roll-Out*
- Site Acceptance (with RCC's participation)
- *P25 Radio System Ready*
- Radio Coverage Acceptance Testing (RCAT) (with RCC's participation)
- *Integrated System Ready*
- Customer System Acceptance (with RCC's participation)

RCC proposes its technical assistance as marked above. Specifically, RCC will perform:

- In depth review of system design documentation provided by the vendor
 - Site Planning
 - P25 Radio Network Engineering
 - Backhaul Engineering
 - Technical Solution Design
 - Technical solution, configuration of all equipment
 - Interfaces between all subsystems
 - Antenna system design
 - Coverage maps
 - Backbone/IP network design
 - Site planning
 - Drawings
 - Frequency plan
 - Project Plan
 - Preliminary Coverage Acceptance Test Plan
 - Preliminary Acceptance Test Plan
 - System Transition and Deployment Plan
 - Others as required
- Assistance with system acceptance testing
 - Infrastructure Installation Verification
 - Microwave System Field Acceptance Test (functional & measurements)
 - Radio System Field Acceptance Test (functional & measurements)
 - Radio Coverage Acceptance Test

RCC CONSULTANTS, INC. TECHNICAL SERVICES CONTRACT System Implementation Technical Assistance LFUCG III		May 23, 2012
TASK	DESCRIPTION	HOURS
A.	Kick-off meeting*	4
B.	Review system design documentation	42
C.	Final system design review meeting*	10
D.	Field acceptance testing - microwave*	34
E.	Field acceptance testing - radio system*	26
F.	Infrastructure Installation Verification*	24
G.	Radio coverage acceptance test*	42
*ON-SITE TASKS	TOTAL	182

Note: The table above is provided for convenience of the LFUCG. It illustrates allocation of time related to the specific tasks comprising the project. RCC will allocate the effort depending on the needs of the project, the actual allocation may vary from the example above.



PROJECT TEAM

The project team from the procurement phase will be aided by John Chartkoff, an experienced radio engineer, during the field testing phase of the project.

It is envisioned that additional, to be determined according to the needs, RCC subject matter experts may also be utilized.



COST PROPOSAL

RCC CONSULTANTS, INC. TECHNICAL SERVICES CONTRACT System Implementation Technical Assistance LFUCG III			May 23, 2012	
Direct Engineering Expenses				
	Hours	Rate	Subtotal	
Managing Director	14	\$ 250.00	\$	3,500.00
Managing Consultant	128	\$ 185.00	\$	23,680.00
Wireless Systems Consultant	40	\$ 125.00	\$	5,000.00
Total	182		\$	32,180.00
Travel and Per Diem Expenses				
		Rate	Subtotal	
3 Round Trip Airline Fares			\$	-
7 Days Rental Vehicle		\$ 120.00	\$	840.00
610 Miles at		-	\$	-
16 Man Days Per Diem at		\$ 175.00	\$	2,800.00
Total			\$	3,640.00
General and Administrative Fee		0%	\$	-
Total			\$	35,820.00

Assumptions:

1. No major changes in the scope of the project during negotiations.

Costs for this project reflect the scope of work outlined in the Scope of Work offered in this proposal and are based on available information. RCC understands that LFUCG may elect to increase or decrease the scope of services proposed, at which time the final contract may be negotiated and adjusted accordingly.

Payment Schedule

RCC proposes to provide a progress-billing invoice at the end of the first month of the project. Subsequent progress billings will be submitted monthly based on the work performed during that month. RCC standard payment terms are net thirty (30) days from date of invoice.

Pricing Assumptions

The proposed project cost includes professional fees based on the estimated hours for the scope of services defined in this document, in addition to reimbursable expenses, including travel expenses and copy and postage expenses. The estimated hours and expenses are shown in the pricing sheets displayed on the following pages. It is our understanding that a Scope of Work will be negotiated with Lexington. This Scope of Work may be adjusted by agreement of both



parties up to the contract limits if more or fewer hours are needed and/or the scope of work is modified. Additional hours required for tasks ordered by the client will be billed on a time and expense basis.

The fees and rates quoted herein are valid for 90 days from the date of this proposal and the negotiated prices will be valid for the length of the contract.

Change Orders and Other Expenses

Should LFUCG, at any time during the project, desire services that are outside the agreed upon scope of services, RCC will prepare a quotation outlining the estimated effort, resources required, and cost for the requested service. Upon approval of the quotation, RCC will provide the desired services at the agreed upon cost.

Expenses directly attributable to the project, such as costs for frequency coordination fees, licensing fees, permit fees, and microwave pre-coordination fees are not included and, if incurred, will be billed to the client as a reimbursable expense. RCC will coordinate with the client and gain approval prior to authorizing any of these additional expenses.

