



CITY OF RAPID CITY

Growth Management Department

300 Sixth Street

Rapid City, South Dakota 57701-2724

Marcia Elkins, Director
Growth Management Division
city web: www.rcgov.org

Phone: 605-394-4120
Fax: 605-394-6636
e-mail: marcia.elkins@rcgov.org

MEMORANDUM

TO: Mayor Shaw and City Council

FROM: Marcia Elkins, Director
Growth Management Department

DATE: December 14, 2005

RE: Request to purchase Computer Equipment

The Growth Management Department requests authorization to purchase the following computer equipment for the purpose of providing wireless access for various City staff. Initial implementation would allow the Development Services inspectors to have wireless access throughout the community. This wireless access will allow the inspectors on-line access to computer files providing timely access to accurate information and improving customer service. The Fire Department would utilize the towers in 2006 when grant funds are available for purchase of additional mobile equipment. Airport staff will eventually tie into the system. Growth Management staff anticipates deploying the system for use by the Building inspectors in 2006. Additional future uses may include collection of GIS data for various departments, use by Public Works staff and the Police Department.

Staff is requesting permission to purchase the following equipment as part of the initial deployment:

Quantity / Equipment Description	Per Unit	Total Expenditure
2 Mercury installation w/9dB gain antenna on Tower (per Tower)	\$9,232.54	\$18,465.08
3 Mercury equipment for mobile unit with no installation (per vehicle)	\$4,285.12	\$12,855.36
Total Expenditure		\$31,320.44

Funding is available from the 2005 Development Services Center budget from funds originally allocated for computer purchases.



STAFF RECOMMENDATION: Staff requests that the City Council authorize the purchase of two (2) of the Mercury installation with 9dB gain antenna on Tower and three (3) Mercury equipment for mobile unit for a total expenditure of \$31,320.44



**Rushmore
Communications
Inc.**

**Quotation
Mercury Option**

1715 Cambell St
Rapid City, SD 57701
Phone: (605) 348-4940 Fax: (605) 348-2026

DATE: November 16, 2005
Quotation valid until: December 16, 2005
Prepared by: Doobie Dupre

Rick Lehmann
Rapid City Fire Department
10Main Street
Rapid City, SD 57701
Phone: (605) 394-4180 Fax: (605)394-6754

Comments or special instructions:

This is one tower site install with a 9db gain Omni antenna and one vehicle setup with Mercury 512K to 2meg radios. The following pages breaks down these costs.

Item Number	Description	Amount
Mercury 9db	Mercury installation with 9dB gain antenna on Tower (per Tower)	\$9,232.54
Mercury Mobile	Mercury equipment for mobile unit with no installation (per vehicle)	\$4,285.12

Sub-Total \$ 13,517.66
Tax \$ 811.06
Total [REDACTED]

THANK YOU FOR YOUR BUSINESS!

TCIC Inc

QUOTATION

13005 16th Ave North Suite 500
 Plymouth, MN 55441
 (763) 557-6648 FAX (763) 557-6408
je@tcicinc.com

Quotation No
RapidFD

Date Issued
 11/21/2005

Rick Lehman
 Rapid City Fire Department
 10 Main St
 Rapid City, SD 57701

605-394-4180 phone
 605-394-6754 fax

John Rudick		Net 30		
Item Number	Description	Quantity	Unit Price	Total Price
Access Point Radios				
02-4375A01	MDS Mercury Access Point Technology Trade-in Program	1	\$6,100.00	\$6,100.00
20-2822A02	MDS Bandpass Filter	1	\$450.00	\$450.00
ASPG95Z	Maxrad Omni Antenna, 9dB, 902-928 Mhz	1	\$1,800.00	\$1,800.00
Misc	Antenna Cable and Connectors, 60'	1	\$250.00	\$250.00
IS-B50LN-C2	Polyphaser Surge Protector, IS-B50LN-C2	1	\$150.00	\$150.00
204989-31	Ground Kit, Factory Lug for LDF4-50A, 36" ground wire, 204989-31	1	\$75.00	\$75.00
FO57A-PTMNM	Cable Assy, FO57A-PTMNM 3 foot Sureflex TNC Male to N Male, from radio to filter	1	\$130.00	\$130.00
ET-5ES	Sixnet 5 Industrial Switch	1	\$340.00	\$340.00
NOTES:	Delivery—1-2 weeks Payment terms for this sale are NET 30 days. See Terms below. Prices do not include tax or shipping charges. Restocking fee: 20% Minimum Order: \$150			\$9,295.00
John Rudick Authorized by				

9dB Gain antenna on Tower

TCIC Inc

QUOTATION

13005 16th Ave North Suite 500
 Plymouth, MN 55441
 (763) 557-6648 FAX (763) 557-6408
 jr@tcicinc.com

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John Rudick		Net 30		
Item Number	Description	Quantity	Unit Price	Total Price
Remote Radios				
02-4376A01	MDS Mercury Remote Technology Trade-in Program	1	\$5,300.00	\$5,300.00
Remote Radio Antenna's				
MN9155	Maxrad 5 dB Straight Open Coil Whip Antenna for Vehicle	1	\$120.00	\$120.00
MTPM800	Maxrad Straight Thru Mount	1	\$70.00	\$70.00
Misc	Antenna Cable, 17', with Connectors	1	\$150.00	\$150.00
NOTES:	Delivery--1-2 weeks Payment terms for this sale are NET 30 days. See Terms below. Prices do not include tax or shipping charges. Restocking fee: 20% Minimum Order: \$150			\$5,640.00
John Rudick Authorized by				

Mobile Unit