COUNTY AGENDA REQUEST

Department:	Fire and Emergency Services	Presenter(s):	Allen McCullough
Meeting Date:	Thursday, September 27, 2012	Type of Request:	Consent

Wording for the Agenda:

Approval of staff's request to award Bid #844- High Band Radio to Trans Comm Services, in the amount of $45,426.25, for the purchase of high band radio equipment and programming services, and authorization for the Chairman to sign any contract or related documents contingent upon the County Attorney's review.

Background/History/Details:

The Federal Communications Commission has mandated all public safety and industrial / business licensees to convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013, in order to promote more efficient use of the VHF and UHF land mobile frequency bands. All licensees must convert and operate in at least the 12.5 Khz efficiency. This mandate has created functional obsolesce of ten (10) mobile radios and one (1) base radio. In order to gain full ISO communications credit and to have a completely redundant back-up communications system, the purchase of nine (9) base radios and thirteen (13) mobile radios is recommended.

The Purchasing Department issued Invitation to Bid #844 to procure the equipment and technology needed to comply with the FCC's mandate. Invitations were mailed to 12 vendors, and were extended through the Fayette Daily News, the county's website, Georgia Local Government Access Marketplace, and Channel 23. Five vendors responded.

The apparent low bid was from a company that offered equipment which does not meet the required specifications. Fire and Emergency Services recommends the next-lowest bidder, Trans Comm Services, which does meet the requirements.

What action are you seeking from the Board of Commissioners?

Approval of staff's request to award Bid #844- High Band Radio to Trans Comm Services, in the amount of $45,426.25, for the purchase of high band radio equipment and programming services, and authorization for the Chairman to sign any contract or related documents contingent upon the County Attorney's review.

If this item requires funding, please describe:

Funding for this request has been budgeted in Capital Project No. 37230550-542165 3270C and Capital Project No. 37230930-542165 3930A.

Has this request been considered within the past two years?	No	If so, when?	
Is Audio-Visual Equipment Required for this Request?*	No	Backup Provided with Request?	Yes

**** All audio-visual material must be submitted to the County Clerk's Office no later than 48 hours prior to the meeting. It is also your department's responsibility to ensure all third-party audio-visual material is submitted at least 48 hours in advance.***

Approved by Finance	Yes	Reviewed by Legal	
Approved by Purchasing	Yes	County Clerk's Approval	Yes
Administrator's Approval	Yes		

Staff Notes:

Fayette County
GEORGIA

Where Quality Is A Lifestyle

To: Board of Commissioners

From: M. Allen McCullough, Fire Chief
Director of Public Safety

Date: September 6, 2012

Subject: Approve staff's request to accept the bid from Trans Comm Services for high band radio equipment and programming services in the amount of $45,426.25.

Background/History/Details:
The Federal Communications Commission (FCC) is mandating all public safety and industrial/business licensees convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013. The purpose of the narrowband mandate is to promote more efficient use of the VHF and UHF land mobile frequency bands.

All licensees must convert to and operate in at least 12.5 kHz efficiency. Existing dual mode (25/12.5 kHz) equipment must have the 25 kHz efficiency mode disabled via software. Equipment capable of operating only at 25 kHz efficiency must be replaced.

Fire, EMS, & EMA currently operate within this frequency spectrum at 155.000 MHz with two frequencies. One is licensed as a fire operations channel and one on the regional EMS frequency. These two channels are used as a redundant back-up should the 800 MHz system fail and will also serve as a "second circuit" for the purposes of communications for Insurance Services Office (ISO) credit.

This situation has created the functional obsolesce of ten (10) mobile radios and one (1) base radio.

In order to gain full ISO communications credit for the second circuit and the ability to have a completely redundant back-up communications system the additional purchase of nine (9) base radios and thirteen (13) mobile radios is recommended.

Existing radios meeting the narrowband model requirements will undergo a reprogramming process to achieve the narrowband configuration to meet the FCC requirements.

Bid No. 844 was sent out through Fayette County Purchasing. Five companies responded to Bid No. 844 to provide the requested equipment and services. Of the five companies, Radio One, Inc. submitted a bid that did not meet the specifications as required and they were not considered for award.

Funding for this project is allocated in Capital Projects No. 37230550 542165 3270C and No. 37230930 542165 3930A.

Fire & EMS recommends awarding the bid to Trans Comm Services as they meet all bid requirements and are the lowest in cost.

MAM:cf

Fayette County GEORGIA

Where Quality Is A Lifestyle

To: Jack Krakeel

From: Ted L. Burgess

Date: September 11, 2012

Subject: Bid #844 – High Band Radio Purchase

The Purchasing Department issued Invitation to Bid #844 to procure the equipment and technology needed to comply with certain regulations issued by the Federal Communications Commission. The regulations require public safety and other entities to convert existing 25 kilohertz (kHz) radio systems to the 12.5 kHz narrowband frequency.

Invitations were direct-mailed to 12 vendors. In addition, invitations were extended via the Fayette News, the county website, Georgia Local Government Access Marketplace (www.glga.org), and Channel 23. Five vendors responded to the invitation to bid (please see the attached spread sheet).

The apparent low bid was from a company that offered equipment which does not meet the required specifications. Fire and Emergency Services therefore recommends the next-lowest bidder, Trans Comm Services, which does meet requirements. I concur with their recommendation.

Attachment

BID: #844 HIGHBAND RADIO_____

Item	Qty	Diversified Electronics, Inc.		Metropolitan Communications		Radio One, Inc.		Relm Wireless Corporation		Trans Comm Services	
		Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
A. Vehicle-Mounted VHF Radios: Model PM1500 136-174 MHZ, 100 W											
Without Antenna	10	$1,287.00	$12,870.00	$1,255.00	$12,550.00	$1,285.00	$12,850.00	$2,570.35	$25,703.50	$1,270.00	$12,700.00
With Antenna	13	1,350.00	17,550.00	1,385.00	18,005.00	1,350.00	17,550.00	2,750.35	35,754.55	1,305.00	16,965.00
Total			**30,420.00**		**30,555.00**		**30,400.00**		**61,458.05**		**29,665.00**
B. Base Radios: VHF with antenna, Model VHF CDM 1250 Control Station 136-174 MHZ											
Location			**Price**		**Price**		**Price**		**Price**		**Price**
Emergency Operation Center			$1,678.00		$1,540.00		$1,225.00		$3,700.00		$1,520.00
Station 1- 450 Hwy 279			1,678.00		1,570.00		1,412.50		3,700.00		1,551.25
Station 2- 1330 Hwy 92 North			1,678.00		1,570.00		1,412.50		3,700.00		1,551.25
Station 3- Jenkins Road & Hwy 74 North			1,802.00		1,660.00		1,525.00		3,700.00		1,645.00
Station 4- 175 Johnson Ave			2,243.00		1,600.00		1,450.00		3,700.00		1,582.50
Station 5- 1830 Hwy 85 South			1,678.00		1,570.00		1,412.50		3,700.00		1,551.25
Station 6- 903 Hwy 85 Connector			1,678.00		1,570.00		1,412.50		3,700.00		1,551.25
Station 7- 220 Hampton Rd			1,678.00		1,570.00		1,412.50		3,700.00		1,551.25
Station 8- 212 Flat Creek Tr			1,863.00		1,594.00		1,442.50		3,700.00		1,576.25
Station 10- 195 Seay Rd			1,903.00		1,570.00		1,412.50		3,700.00		1,551.25
Total			**17,879.00**		**15,814.00**		**14,117.50**		**37,000.00**		**15,631.25**
C. Re-Program Existing Radios to Achieve Narrow Band Configuration											
Item	**Qty**	**Unit Price**	**Extended Price**	**Unit Price**	**Extended Price**	**Unit Price**	**Extended Price**	**Unit Price**	**Extended Price**	**Unit Price**	**Extended Price**
Narrow Band - MCS 2000	8	$10.00	$80.00	$25.00	$200.00	$45.00	$360.00		$0.00	$10.00	$80.00
Narrow Band - Spectra 9000	4	10.00	40.00	25.00	100.00	45.00	180.00		0.00	10.00	40.00
Narrow Band - Astro	1	10.00	10.00	25.00	25.00	45.00	45.00		0.00	10.00	10.00
Total			**130.00**		**325.00**		**585.00**		**0.00**		**130.00**
TOTAL BID			**$48,429.00**		**$46,694.00**		**$45,102.50**		**$98,458.05**		**$45,426.25**