

**SUMTER COUNTY BOARD OF COMMISSIONERS
EXECUTIVE SUMMARY**

SUBJECT: Master Radio Site Upgrade (Staff recommends approval).

REQUESTED ACTION: Approval

Work Session (Report Only)

Regular Meeting

DATE OF MEETING: 7/24/2012

Special Meeting

CONTRACT: N/A

Effective Date: 3/28/2012

Managing Division / Dept:

Vendor/Entity: Motorola

Termination Date:

Fire & EMS

BUDGET IMPACT: \$101,965.00

Annual

Capital

N/A

FUNDING SOURCE:

EXPENDITURE ACCOUNT:

Communication Fund

130-412-525-6400

HISTORY/FACTS/ISSUES:

On March 28, 2012, Sumter County BOCC entered into contract with Motorola to construct a countywide P25 Digital Public Safety Radio system. During the construction process, a structural analysis of the current radio tower located at the Sumter County Sherriff Office identified that the tower was not capable of sustaining the additional load of the new microwave dishes for the Radio System. In accordance with the contract, Motorola offered to build a 120' replacement tower adjacent to the current Sheriff Office Tower at their cost. However, construction of a new tower at that site will not meet current code requirements for collapse zones. The County has identified County owned property available in the Bushnell area that will accommodate a new tower, and would allow for a collapse zone that complies with the City of Bushnell zoning requirements.

The replacement tower will be a 170' tower that is designed for future growth in addition to the current demands of the system. This will promote future co-location on the site as those needs arise. The master site and its entire infrastructure will be relocated to the new tower site and will be connected to the Sheriff Office and Rural Metro communication centers via a fiber optic connection.

A change order has been drafted by Motorola for the County's associated cost with the additional work to be performed. The change order calls for an additional \$101,965.00 to be awarded Motorola for the associated work with the new tower that is above the base replacement cost of \$103,525.00, which Motorola is funding.



MOTOROLA

CHANGE ORDER

No.: 1

Date:	July 6, 2012
Project Name:	Project 25 Digital Public Safety Radio Network
Customer Name:	Sumter County Board of County Commissioners
Customer Project Mgr:	Chief Stephen Kennedy
Motorola Project Manager:	Kim Glaner
Motorola Account Manager:	John Liptak

The purpose of this Change Order: *(describe the key reasons for this Change Order)*

Change the system design to build out a new tower site for the Master Site equipment. The Sumter S.O. tower failed its structural analysis and cannot be upgraded. In accordance with the contract Motorola offered to replace the tower with a new 120' self support tower to be installed adjacent to the current S.O. tower. Rather than do this the County has requested that Motorola build a new site in Bushnell with a 170' SS tower. The Motorola building, generator and all associated equipment originally intended for the S.O. will be installed at this new site. All Master Site equipment and microwave for the hops to Sumterville and Linden will move to the new site. The S.O. and Rural Metro dispatch centers will be linked to the new site via County provided fiber.

Motorola Contract No.	09-29196/JHJ	Contract Date:	March 28, 2012
Customer Contract No.		Customer No.	

In accordance with the terms and conditions of the Contract identified above between Motorola Solutions, Inc. and Sumter County, the following changes are approved:

1. Contract Price Adjustments

Original Contract Value:	\$ 11,891,314.00
Previous Change Order amounts for Change Order numbered <u>0</u> through <u>0</u>	\$ 0.00
This Change Order # 1:	\$ 101,965.00
New Contract Value:	\$ 11,993,279.00

2. Completion Date Adjustments

Original Completion Date:	January 31, 2013
Current Completion Date prior to this Change Order:	January 31, 2013
New Completion Date:	January 31, 2013



MOTOROLA

CHANGE ORDER

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3. Changes in Equipment *(additions, deletions or modifications)*

- a) Provide a 170' self-support tower.

4. Changes in Services *(additions, deletions or modifications)*

- A. Delete all site development deliverables at the Sumter S.O.
- B. Complete the S.O. site development deliverables as detailed in the contract, but at the new Sumter Master Site location, plus the additional following deliverables:
 - a. A&E design services for the new site
 - b. Geotech borings for the new site and tower
 - c. Light clearing and grading for a 3,000 sf site compound
 - d. Additional 120 feet of 8' fencing for site compound
 - e. Landscape barrier and gravel for the 3,000 sf compound
 - f. Provide and install a 170' Self Supporting Tower constructed of pipe leg members, 19.0 ft. center to center distance between legs; triangular construction.
 - i. Custom foundation design consisting of a mat type foundation containing 70 cubic yards of concrete. Anchor steel with full-sized template to simultaneously position all anchor bolts.
 - ii. Hot dipped galvanized sections and components
 - iii. Tubular Steel construction of leg members with bolt on diagonal bracing
 - iv. Tower assembly hardware
 - v. Step bolts on all three legs to the 5' width, then on one leg to the top
 - vi. (1) Face Mounted Waveguide Ladder with (12) line capacity
 - vii. FAA Code A-0 Double Red Obstruction Light Kit with Incandescent Steady Burning Red OB Lights, SO cord wiring, interior controller, alarms, Photo Cell, all necessary attachment hardware
 - viii. f Tug cable type safety climb system without the trolley or the harness included
 - ix. TIA-G grounding using 4' lightning rod
- C. Trench and install approximately 950' of 2" PVC conduit and new 12ct SM/tight buffer/ID-OD/fiber from Fire Station 11 to the Motorola building in the new site compound and provide six new fiber mux modules.

5. Scheduled Changes *(additions, deletions or modifications)*

No change

6. Pricing Changes *(additions, deletions or modifications)*

Incremental Sumter Master Site civil work = \$88,565
Fiber run from FS11 to the new Master Site location = \$13,400
Total change = \$101,965

7. Customer Responsibilities *(additions, deletions or modifications)*

- A. County to complete necessary rezoning of the new tower site by August 6th.
- B. Installation of electrical and telco utilities to the side of the site compound
- C. Installation of required fiber connectivity between the S.O. and Fire Station 11
- D. Landscaping of site if required



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8. Payment Schedule *(additions, deletions or modifications)*

Payment due upon completion of the civil work for this site.

Unless amended above, all other terms and conditions of the Contract shall remain in full force. If there are any inconsistencies between the provisions of this Change Order and the provisions of the Contract, the provisions of this Change Order will prevail.

IN WITNESS WHEREOF the parties have executed this Change Order as of the last date signed below.

Motorola Solutions, Inc.

Customer: Sumter County

By: Matt Breneman
Printed Name: Matt Breneman
Title: Regional Services Manager
Date: July 9, 2012

By: _____
Printed Name: _____
Title: _____
Date: _____