



Current Completion Date prior to this Change Order:	03/07/2022
New Completion Date:	02/09/2023

<p><b>Changes in Equipment:</b> <i>(additions, deletions or modifications)</i> <b>Include attachments if needed</b></p> <p>Please see attached equipment list.</p> <p>The radio management doesn't include the yearly subscriber fee of \$32 per radio or any costs for setting up radio management or training for radio management.</p>
---

<p><b>Changes in Services:</b> <i>(additions, deletions or modifications)</i> <b>Include attachments if needed</b></p> <p>Additional Civil work for the following sites:</p> <p><b><u>Moncure Tower Site:</u></b>          Due to site layout change, a roadway turnout off will be installed by the existing Moncure FD driveway and install a culvert. Remove 421 cubic yards of unsuitable soil and replace with engineering fill for the tower foundation.</p> <p><b><u>Silk Hope Tower Site:</u></b>          Relocate the driveway to the other side of the firehouse and come off the main road and not the Silk Hope FD parking lot. The DOT requires the driveway design to change since the drive way is coming off the main road and a culvert must be installed. Rock removal due to rock that was discovered while the foundation of the tower was being done.</p> <p><b><u>Chatham Hospital Storm Water Design &amp; Installation:</u></b>          The scope includes: retaining wall design, installation of a retaining wall, furnish and deliver structural fill, includes water truck to saturate soils as necessary, and (2) 18' Reinforced concrete pipe with 4'x8'x6" NCDOT class "B" Rock outlet.</p> <p><b><u>Pittsboro Tower Site Generator Swap:</u></b>          Remove the Cummins Generator and ATS from the Pittsboro Site, Move it to secure location when the Generac Generator ships. Install the Generac Generator and ATS at the Pittsboro Site, and install the Cummins Generator at the North East Park Site and install the Cummins ATS into the North East Park Shelter (currently in storage).</p> <p><b><u>North East Park Tower Site (Green Site):</u></b>          Additional Microwave Path Studies, A&amp;E (NEPA, Zoning, PhotoSynthesis, etc) and Civil work to change from the Morehead WT Site to the North East Park Site. Civil includes foundation for a 380' self supporting tower, the procurement of the 380' tower, shelter and generator foundation, installation of 12-foot X 24-foot shelter (already in storage), installation of generator, installation of P25 antennas, paging antennas, and microwave dishes.</p> <p>**Please note monies not used for the Morehead Water Tank site have been moved over to the North East Park Tower Site.**</p>
---

<p><b>Schedule Changes:</b> <i>(describe change or N/A)</i></p> <p>The schedule has been updated to reflect the additional project tasks. Please see the attached schedule that updates the Final Acceptance Date to February 9th, 2023.</p>
--

**Pricing Changes:** *(describe change or N/A)*

This change order will result in an increase of \$950,000. The new contract value is \$21,065,286.83.

**Customer Responsibilities:** *(describe change or N/A)***Chatham County Responsibilities**

- If required, prepare and submit Electromagnetic Energy (EME) plans for the site (as a licensee) to demonstrate compliance with FCC RF Exposure guidelines.
- As applicable, coordinate, prepare, submit, and pay for all required permits and inspections for the work that is Chatham County's responsibility.
- Pay for all utility connection, pole or line extensions, and any easement or usage fees.
- Review and approve site design drawings within 7 calendar days of submission by Motorola Solutions or its subcontractor(s). Should a re-submission be required, Chatham County shall review and approve the re-submitted plans within 7 calendar days from the date of submittal.
- Pay for application fees, taxes and recurring payments for lease/ownership of the property.
- Provide personnel to observe construction progress and testing of site equipment according to the schedule provided by Motorola Solutions.
- As applicable (based on local jurisdictional authority), Chatham County will be responsible for any installation or up-grades of the electrical system in order to comply with NFPA 70, Article 708
- Provide property deed or lease agreement, and boundary survey, along with existing as-built drawings of the site and site components to Motorola Solutions for conducting site engineering.
- Provide a right of entry letter from the site owner for Motorola Solutions to conduct field investigations.
- Secure power connection to the site, associated permitting and installation of a meter and disconnect within 50 feet of the proposed shelter location.
- Provide additional temporary space for staging of the construction equipment during the construction of new site facilities (tower, shelter, generator, fuel tank etc.).

**Assumptions**

- No prevailing wage, certified payroll, mandatory union workers or mandatory minority workers are required for this work
- All work is assumed to be done during normal business hours as dictated by time zone (Monday thru Friday, 7:30 a.m. to 5:00 p.m.). • All recurring and non-recurring utility costs [including, but not limited to, generator fuel (except first fill), electrical, Telco] will be borne by Chatham County or site owner.
- All utility installations shall be coordinated and paid for by the site owner and located at jointly agreed to location within or around the new communications shelter or equipment room.

- Site will have adequate electrical service for the new shelter and tower. Utility transformer, transformer upgrades, line, or pole extensions have not been included.
- Pricing has been based on National codes such as IBC or BOCA. Local codes or jurisdictional requirements have not been considered in this proposal.
- Hazardous materials are not present at the work location. Testing and removal of hazardous materials, found during site investigations, construction or equipment installation will be the responsibility of Chatham County.
- A maximum of 30 days will be required for obtaining approved building permits from time of submission.
- No improvements are required for concrete trucks, drill rigs, shelter delivery, and crane access.
- If extremely harsh or difficult weather conditions delay the site work for more than a week, Motorola Solutions will seek excusable delays rather than risk job site safety.
- In absence of geotechnical reports, foundations and subsurface conditions for tower design are based on Presumptive Sand soil parameters, as defined by EIA-222-G. Also, rock coring, piling, extensive dewatering of foundations, permanent casings or hazardous material removal has not been included.
- For zoning approvals, a maximum of 60 days will be required from time of submittal with attendance at maximum of 2 required planning meetings.
- The new tower location will pass the FAA hazard study, zoning, FCC and environmental permitting.
- The restoration of the site surroundings by fertilizing, seeding and strawing the disturbed areas will be adequate.
- Tower and foundation sizing is based on the tower loading requirements as a result of the RF Antenna System design and the Microwave Antenna System design (i.e., dish sizes and locations obtained from paper path studies). If after physical path studies, the dish sizes and locations change, then Motorola Solutions will then review the impact to tower structure and foundations and revise applicable costs.
- If as a result of NEPA studies, any jurisdictional authority should determine that a proposed communication facility "may have a significant environmental impact", the environmental impact studies or field testing and evaluation related to such determination have not been included.
- For new towers greater than 200 feet in overall height, FAA obstruction lighting has been included.
- The site location can be finalized and lease agreement can be reached with the property owner within 60 calendar days after the start of the site acquisition effort.
- A waiver to zoning requirements like setbacks, tower height limitations, etc. can be obtained.
- The soil resistivity at the site is sufficient to achieve resistance of 10 ohms or less. Communications site grounding will be designed and installed per Motorola Solutions' Standards and Guidelines for Communications Sites (R56).
- Underground utilities are not present in the construction area, and as such no relocation will be required.

- Spoils from the tower foundations can be dispersed on the property and will not be required to be transported to a dump location.
- Foundations for the shelter, generator and fuel tank are based "normal soil" conditions as defined by TIA/EIA 222-F. Footings deeper than 30 inches, raised piers, rock coring, dewatering, or hazardous material removal have not been included.

**Payment Schedule for this Change Order:**  
*(describe new payment terms applicable to this change order)*

10% upon execution of Change Order 3.

30% upon shipment of equipment of the equipment.

60% upon the completion of the site work at the North East Park 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.**

**Chatham County**

By: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

By: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_  
 Motorola Solutions Project Manager

Date: \_\_\_\_\_