



Judiciary & Public Safety Committee

Committee Meeting

60 Central Ave.
Cortland, NY 13045
<http://www.cortland-co.org>

~ Minutes ~

Thursday, August 10, 2023

8:45 AM

Room 302

CALL TO ORDER

The meeting was called to order at 8:45 AM by Committee Chair Kelly L. Fairchild-Preston

Attendee Name	Organization	Title	Status	Arrived
Christopher Newell	Cortland County, NY	Committee Member	Present	
Douglas Bentley	Cortland County, NY	Committee Member	Present	
Kelly L. Fairchild-Preston	Cortland County, NY	Committee Chair	Present	
Cathy Bischoff	Cortland County, NY	Committee Member	Present	
Susan Wilson	Cortland County, NY	Committee Member	Present	
Joseph Nauseef	Cortland County, NY	Committee Vice Chair	Present	
Eugene Waldbauer	Cortland County, NY	Committee Member	Present	
Mark Helms	Cortland County, NY	Sheriff	Present	
Anita Ribiero	Cortland County, NY	Chief Assistant Public Defender	Present	
Michael Cardinale	Cortland County, NY	Assigned Counsel Plan Administrator	Present	
Nicole Albro	Cortland County, NY	Probation Director	Present	
Scott Roman	Cortland County, NY	Director of Emergency Response and Communications	Present	
Kevin Fitch	Cortland County, NY	Chair of the Legislature	Present	
Rob Corpora	Cortland County, NY	County Administrator	Present	
Savannah Hempstead	Cortland County, NY	Clerkof the Legislature	Present	
Kimberly Biglardi	Cortland County, NY	Deputy Clerk of the Legislature	Present	
Courtney Metcalf	Cortland County, NY	Dep. Director of Emergency Response & Comm.	Present	
Denise Bushnell	Cortland County, NY	Coroner	Present	
Andrea Herzog	Cortland County, NY	Finance Director	Present	
Melanie Vilardi	Cortland County, NY	Deputy County Administrator	Present	
Laurie Leonard	Cortland County, NY	Personnel Officer	Present	

	NY			
Sandra Price	Cortland County, NY	Board Member	Present	
Ronald J. Van Dee	Cortland County, NY	Board Member	Present	
Paul Heider	Cortland County, NY	Board Member	Present	
George Wagner	Cortland County, NY	Board Member	Present	
Margaret Mellott	Cortland Standard	Reporter	Remote	
Eddie Velazquez	Cortland Voice	Reporter	Remote	
Donald Chu	Cortland County	Resident	Remote	

MINUTES

- Judiciary & Public Safety Committee - Committee Meeting - Jun 8, 2023 8:30 AM

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Christopher Newell, Committee Member
SECONDER:	Joseph Nauseef, Committee Vice Chair
AYES:	Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

RESOLUTIONS

AGENDA ITEM NO. 1 – Create Associate Assistant Public Defender/Assistant Public Defender Position - Public Defender

Ms. Preston MADE A MOTION TO AMEND the resolution to remove the creation of one Assistant Public Defender and one Paralegal, Mr. Waldbauer SECONDED THE MOTION, and upon unanimous voice vote of members present; MOTION CARRIED.

RESULT:	APPROVED [UNANIMOUS]
	Next: 8/15/2023 10:30 AM
MOVER:	Cathy Bischoff, Committee Member
SECONDER:	Eugene Waldbauer, Committee Member
AYES:	Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Create Associate Assistant Public Defender/Assistant Public Defender Position - Public Defender

WHEREAS, the needs of the agency will be better served by creating one Associate Assistant Public Defender/Assistant Public Defender (FT), AND

WHEREAS, the Judiciary and Public Safety Committee recommends the creation of this position, NOW THEREFORE BE IT

RESOLVED, that one position of Associate Assistant Public Defender/Assistant Public Defender (MGMT, Grade 7, \$68,718-\$91,464/yr, pending jurisdictional classification, full time, with benefits or MGMT, Grade 6, \$73,873-98,324/yr, non-competitive class, full-time with benefits) be created with approval to fill on August 25, 2023, AND BE IT FURTHER

RESOLVED, that this position is dependent on the related grant and will be abolished unless extended by resolution prior to grant funding being exhausted.

AGENDA ITEM NO. 2 – Authorize Use of County Vehicle Repair/Replacement Reserve for Sheriff Vehicle - Sheriff's Office

RESULT:	APPROVED [UNANIMOUS]
	Next: 8/15/2023 10:30 AM
MOVER:	Christopher Newell, Committee Member
SECONDER:	Eugene Waldbauer, Committee Member
AYES:	Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Authorize Use of County Vehicle Repair/Replacement Reserve for Sheriff Vehicle - Sheriff's Office

WHEREAS, the Cortland County Legislature adopted Resolution No. 107-15, which established the County Vehicle Repair/Replacement Reserve for the purpose of vehicle related costs, AND

WHEREAS, funds are required for the repair of a Sheriff Road Patrol vehicle damaged in an accident, AND

WHEREAS, the County Vehicle Repair/Replacement Reserve balance at May 31, 2023 was \$156,591.08, NOW THEREFORE BE IT

RESOLVED, the Cortland County Legislature be and hereby approves the use of the County Vehicle Repair/Replacement Reserve for the repair of a damaged Sheriff Road Patrol vehicle, AND BE IT FURTHER

RESOLVED, that the 2023 County Budget be and hereby is amended as follows:

Increase:

A31205.54300 Vehicle Repairs & Maintenance \$15,795.87

A351100 Appropriated Reserves \$15,795.87

AGENDA ITEM NO. 3 – Amend 2023 Budget and Transfer Funds to Jail Medical Supplies - Sheriff's Department

RESULT:	APPROVED [UNANIMOUS]
	Next: 8/15/2023 10:30 AM
MOVER:	Joseph Nauseef, Committee Vice Chair
SECONDER:	Christopher Newell, Committee Member
AYES:	Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Amend 2023 Budget and Transfer Funds to Jail Medical Supplies - Sheriff's Department

WHEREAS, the Cortland County Sheriff's Office has expended the 2023 budget for Inmate Medical Supplies, AND

WHEREAS, it is anticipated that the County jail will continue to incur expenses for inmate medical supplies, NOW THEREFORE BE IT

RESOLVED, that the 2023 County Budget is hereby amended as follows:

INCREASE:

EXPENSE:

Medical Supplies	A31505-54006	\$100,000
------------------	--------------	-----------

Approp. Fund Balance	A359900	\$100,000
----------------------	---------	-----------

AGENDA ITEM NO. 4 – Office Weapon Upon Retirement - Sheriff & Undersheriff

RESULT: **APPROVED [UNANIMOUS]**

Next: 8/24/2023 6:00 PM

MOVER: Joseph Nauseef, Committee Vice Chair

SECONDER: Eugene Waldbauer, Committee Member

AYES: Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Office Weapon Upon Retirement - Sheriff & Undersheriff

WHEREAS, the County Police Association of Cortland (CPAC), and the CSEA, Local 1000 AFSCME, AFL-CIO contracts state “Upon retirement of a member in good standing, the department issued weapon will become the property of the bargaining unit member. It will also be a requirement that the bargaining unit member possess a valid New York State pistol permit”, AND

WHEREAS, the Sheriff and Undersheriff are not part of the CPAC or the CSEA, NOW THEREFORE BE IT

RESOLVED, that the Sheriff and Undersheriff, upon retirement, be allowed to keep their department issued weapon following the requirement of possessing a valid NYS pistol permit.

AGENDA ITEM NO. 5 – Authorize Agreement with Motorola - Geo Redundant Prime Radio Sites - Department of Emergency Response & Communications

RESULT: **APPROVED [UNANIMOUS]**

Next: 8/24/2023 6:00 PM

MOVER: Christopher Newell, Committee Member

SECONDER: Joseph Nauseef, Committee Vice Chair

AYES: Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

**Authorize Agreement with Motorola - Geo Redundant Prime Radio Sites - Department of
Emergency Response & Communications**

WHEREAS, Cortland County's Department of Emergency Response & Communications was awarded a grant from New York State Department of Homeland Security in the amount of \$5,000,000 in support of improvements to the County's radio system, AND

WHEREAS, the County has received a proposal from Motorola, Incorporated to upgrade the

County's radio system to include geo-redundant prime sites located at 22 West Court Street and the Cortlandville Tower site on South Hill Road in the amount of \$933,647. This expense is in support of the grant award, NOW THEREFORE BE IT

RESOLVED, that the County Administrator, upon approval of the County Attorney or designee, is authorized to execute a contract with Motorola, Incorporated for geo-redundant prime sites located at 22 West Court Street and the Cortlandville Tower site on South Hill Road in the amount of \$933,647.

AGENDA ITEM NO. 6 – Authorize Rental Agreement with NYSEG - Department of Emergency Response

RESULT:	APPROVED [UNANIMOUS]
	Next: 8/15/2023 10:30 AM
MOVER:	Douglas Bentley, Committee Member
SECONDER:	Cathy Bischoff, Committee Member
AYES:	Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Authorize Rental Agreement with NYSEG - Department of Emergency Response

WHEREAS, NYSEG, a public utility company operating in Cortland County, is in need of radio communications tower space to operate part of their radio network, AND

WHEREAS, the Cortland County radio tower known as "Virgil" meets that need, AND

WHEREAS, the County and NYSEG previously entered into rental agreements in August of 2006 and September of 2013, and are now interested in executing another ten (10) year agreement, NOW THEREFORE BE IT

RESOLVED, that the Cortland County Legislature be and hereby authorizes the County Administrator, upon approval of the County Attorney or designee, to execute a ten (10) year rental agreement between the County and NYSEG for radio tower space on the County's Virgil radio tower, revenue of which will be reported in A302046.42410, Rental of Real Property.

EXECUTIVE SESSION

It was MOVED by Mr. Bentley, seconded by Mr. Waldbauer, and unanimously approved by voice vote of members present, to enter into an executive session to discuss the matters leading to the appointment of a particular person or corporation. MOTION CARRIED.

An executive session was held from 9:28 a.m. to 9:52 a.m., at which time on motion of Mr. Newell, seconded by Ms. Preston, it was unanimously approved by voice vote to exit executive session.

DISCUSSION ITEMS

1. CSEA Unit 812 & DoERC Unit # 6 Agreement

It was MOVED by Ms. Preston, seconded by Mr. Bentley, and unanimously approved by voice vote of members present, to enter into an executive session to discuss the collective negotiations pursuant to article fourteen of the civil service law. MOTION CARRIED.

An executive session was held from 9:56 a.m. to 10:08 a.m., at which time on motion of Mr. Bentley, seconded by Ms. Bischoff, it was unanimously approved by voice vote to exit executive session.

RESULT:	COMPLETED
----------------	------------------

2. Community-Based Paramedicine Demonstration Program

RESULT:	COMPLETED
----------------	------------------

MONTHLY REPORTS

1. June 2023 Department of Emergency Response & Communications Report

RESULT:	COMPLETED
----------------	------------------

2. July 2023 Department of Emergency Response & Communications Report

RESULT:	COMPLETED
----------------	------------------

3. Monthly Coroner Report

RESULT:	COMPLETED
----------------	------------------

4. Total Jail Inmate Daily Report June 2023 - Sheriff's Office

RESULT:	COMPLETED
----------------	------------------

5. July Total Inmate Day Report 2023

RESULT:	COMPLETED
----------------	------------------

6. District Attorney Monthly Statistics

RESULT:	COMPLETED
----------------	------------------

ADJOURNMENT

The meeting was closed at 10:08 AM



Judiciary & Public Safety Committee

Committee Meeting

~ Minutes ~

60 Central Ave.
Cortland, NY 13045
<http://www.cortland-co.org>

1.1

Thursday, June 8, 2023

8:30 AM

Room 302

CALL TO ORDER

The meeting was called to order at 8:30 AM by Committee Chair Kelly L. Fairchild-Preston

Attendee Name	Organization	Title	Status	Arrived
Christopher Newell	Cortland County, NY	Committee Member	Present	
Douglas Bentley	Cortland County, NY	Committee Member	Late	8:32 AM
Kelly L. Fairchild-Preston	Cortland County, NY	Committee Chair	Present	
Cathy Bischoff	Cortland County, NY	Committee Member	Late	8:32 AM
Susan Wilson	Cortland County, NY	Committee Member	Late	8:33 AM
Joseph Nauseef	Cortland County, NY	Committee Vice Chair	Present	
Eugene Waldbauer	Cortland County, NY	Committee Member	Present	
Rob Corpora	Cortland County, NY	County Administrator	Present	
Savannah Hempstead	Cortland County, NY	Clerkof the Legislature	Present	
Keith Dayton	Cortland County, NY	Public Defender	Present	
Nicole Albro	Cortland County, NY	Probation Director	Present	
Mark Helms	Cortland County, NY	Sheriff	Present	
Budd Rigg	Cortland County, NY	Undersheriff	Present	
Scott Roman	Cortland County, NY	Director of Emergency Response and Communications	Present	
Denise Bushnell	Cortland County, NY	Coroner	Present	
Laurie Leonard	Cortland County, NY	Personnel Officer	Present	
Andrea Herzog	Cortland County, NY	Director of Finance	Present	
Melanie Vilardi	Cortland County, NY	Deputy County Administrator	Present	
Kevin Fitch	Cortland County, NY	Chair of the Legislature	Present	
Michael Cardinale	Cortland County, NY	Assigned Counsel Plan Administrator	Present	
Ronald J. Van Dee	Cortland County, NY	Board Member	Present	

Minutes Acceptance: Minutes of Jun 8, 2023 8:30 AM (MINUTES)

	NY			
Patrick Perfetti	Cortland County, NY	District Attorney	Absent	
Margaret Mellott	Cortland Standard	Reporter	Remote	

MINUTES

1. Judiciary & Public Safety Committee - Committee Meeting - May 11, 2023 9:00 AM

RESULT: **APPROVED [UNANIMOUS]**
MOVER: Joseph Nauseef, Committee Vice Chair
SECONDER: Christopher Newell, Committee Member
AYES: Christopher Newell, Kelly L. Fairchild-Preston, Joseph Nauseef, Eugene Waldbauer
ABSENT: Douglas Bentley, Cathy Bischoff, Susan Wilson

RESOLUTIONS

AGENDA ITEM NO. 1 – Create Probation Assistant - Probation Office

RESULT: **APPROVED [UNANIMOUS]**
Next: 6/13/2023 10:00 AM
MOVER: Kelly L. Fairchild-Preston, Committee Chair
SECONDER: Christopher Newell, Committee Member
AYES: Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Create Probation Assistant - Probation Office

WHEREAS, the needs of the agency will be better served by creating one full-time position of Probation Assistant, AND

WHEREAS, the Judiciary and Public Safety Committee recommends the creation of this position, AND

WHEREAS, the total cost to the County is up to \$69,731 with fringe benefits, NOW THEREFORE BE IT

RESOLVED, that one position of Probation Assistant (CSEA, Grade 12, 20.0654-25.3977/hr, competitive class, full-time, with benefits), be created with approval to fill on June 23, 2023 at 12:01 AM.

AGENDA ITEM NO. 2 – Reallocate Salary Grade Alternatives to Incarceration (ATI) Officer - Probation Office

RESULT: **APPROVED [UNANIMOUS]**
Next: 6/13/2023 10:00 AM
MOVER: Kelly L. Fairchild-Preston, Committee Chair
SECONDER: Eugene Waldbauer, Committee Member
AYES: Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Reallocate Salary Grade Alternatives to Incarceration (ATI) Officer - Probation Office

WHEREAS, the Personnel/Civil Service Office has reviewed the salary grade for Alternatives to Incarceration Officer in the Probation Office, AND

WHEREAS, it is recommended that the aforesaid position be reallocated from Grade 16 (\$22.9307-29.0244) to Grade 14 (\$21.4282-27.1228) in the CSEA #6550 Unit, NOW THEREFORE BE IT

RESOLVED, that the position of Alternatives to Incarceration Officer is hereby reallocated from Grade 16 to Grade 14 effective June 23, 2023 at 12:01 AM.

AGENDA ITEM NO. 3 – Authorize Agreement with Motorola - 911 Telephone System Relocation - Department of Emergency Response & Communications

RESULT: **APPROVED [UNANIMOUS]**

Next: 6/13/2023 10:00 AM

MOVER: Kelly L. Fairchild-Preston, Committee Chair

SECONDER: Joseph Nauseef, Committee Vice Chair

AYES: Newell, Bentley, Fairchild-Preston, Bischoff, Wilson, Nauseef, Waldbauer

ON MOTION OF FAIRCHILD-PRESTON

RESOLUTION NO.

Authorize Agreement with Motorola - 911 Telephone System Relocation - Department of Emergency Response & Communications

WHEREAS, Cortland County's Department of Emergency Response & Communications was awarded a grant from New York State Department of Homeland Security in the amount of \$1,572,808 in support of improvements to the County's radio system, AND

WHEREAS, the County has received a proposal from Motorola, Incorporated, to upgrade the County's 911 telephone system to include relocation to 22 West Court Street and the purchase of one (1) additional telephone answering position in the amount of \$181,191.47 and this expense is in support of the grant award, NOW THEREFORE BE IT

RESOLVED, that the County Administrator, upon approval of the County Attorney or designee, is authorized to execute a contract with Motorola for the relocation of 911 telephone equipment and the purchase of an additional telephone answering position in the amount of \$181,191.47.

Minutes Acceptance: Minutes of Jun 8, 2023 8:30 AM (MINUTES)

DISCUSSION ITEMS

1. Sheriff's Department Position

RESULT:	COMPLETED
----------------	------------------

MONTHLY REPORTS

1. Coroner Monthly Report

RESULT:	COMPLETED
----------------	------------------

2. Total Inmate Daily Report May 2023 - Sheriff

RESULT:	COMPLETED
----------------	------------------

3. DOERC - June 2023 Report

RESULT:	COMPLETED
----------------	------------------

4. District Attorney Monthly Statistics

RESULT:	COMPLETED
----------------	------------------

5. Probation Department Monthly Report

RESULT:	COMPLETED
----------------	------------------

EXECUTIVE SESSION

It was MOVED by Ms. Preston, seconded by Ms. Bischoff, and unanimously approved by voice vote of members present, to enter into an executive session for discussions regarding proposed, pending or current litigation. MOTION CARRIED.

An executive session was held from 9:16 a.m. to 9:43 p.m., at which time on motion of Dr. Wilson, seconded by Mr. Newell, it was unanimously approved by voice vote to exit executive session.

ADJOURNMENT

The meeting was closed at 9:43 AM



Personnel Change Justification Form

Requested Change: ☒ Abolish/Create ☐ Reallocation ☐ Abolish ☒ Create

Position Name(s): Create Associate Public Defender / Asst. Public Defender Abolish Assistant Public Defender

Bargaining Unit: Management Plan

Purpose and Background:

Pursuant to the Statewide Expansion of Hurrell-Harring grant, ILS has implemented a plan to extend statewide the benefits of the Hurrell-Harring settlement reforms. As such, the overriding objective is to provide comprehensive quality representation for all eligible criminal defendants and to meet caseload standards. Therefore, this added position is endorsed by ILS to meet these objectives, and is fully reimbursable by the NYS grant funding.

Fiscal Impact: ☐ County Funded _____ % ☒ Grant Funded 100 % Grant Exp. Date 3/3/24 renew

Current Grade/Salary of Position: Grade 6 Salary Range \$ 73,873 - \$ 98,324

Requested Grade/Salary of Position: Grade 6/1 Salary Range \$ 73,873 - \$ 98,324 / 68,118 - 91,464

Annual Increase: \$ _____ County Share: \$ 0 # of Positions Affected: 15

Goals:

To meet the County's expectations and obligations under the Statewide Hurrell-Harring quality representation and caseload standards settlement reforms, ILS oversees and directs the NYS grant funding for our office. To be in compliance with their requirements so as to not jeopardize our complete grant funding, creating and filling this position is necessary.

Operational Impact:

Adding another full time Assistant Public Defender will further help our office in becoming compliant with caseload standards and in aiding in our ability to provide quality legal representation.

Requested By:

[Signature]
Signature of Requesting Department Head

July 24, 2023

Date

Personnel Officer Approval

[Signature]
Signature of Personnel Officer

7/24/2023

Date

County Administrator Budget Impact Statement:

Grant Funded

County Administrator Approval

[Signature]
Signature of County Administrator

7/25/2023

Date

Statutory Committee Approval

Signature of Committee Chair after Committee Vote

Date



Proposal

Cortland County, New York

Geo-Redundant Prime

June 6, 2023

The design, technical, and price information furnished with this proposal is proprietary information of Motorola Solutions, Inc. (Motorola). Such information is submitted with the restriction that it is to be used only for the evaluation of the proposal, and is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the proposal, without the express written permission of Motorola Solutions, Inc.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS, and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2023 Motorola Solutions, Inc. All rights reserved.



Motorola Solutions, Inc.
123 Tice Boulevard, Suite 202
Woodcliff Lake, NJ 07677

Telephone: +1 201.949.5500
Fax: +1 201.949.5799

June 6, 2023

Scott Roman, Director
Cortland County Emergency Response & Communications
54 Greenbush Street, Suite 201
Cortland, New York 1045

Subject: Proposal for Geo-Redundant Prime Site

Dear Director Roman:

Motorola Solutions, Inc. ("Motorola") is pleased to present the County of Cortland ("the County") with this firm proposal for a Geo-Redundant Prime Site. The development of this proposal provided us an opportunity to evaluate our current mutual business and further explore the means by which we can fulfill the County's system redundancy needs.

The information in this proposal is provided to assist in you in moving the Geo Prime Site project forward. We have provided a solution in our proposal taking into consideration the County's requirements coordinated with detailed information and pricing.

As the industry's premier supplier of radio and integrated solutions, Motorola possesses many unique capabilities. These capabilities allow us to offer our customers effective solutions to their complex operational issues. Our primary goal is to provide the County with a solution that improves the safety level of your employees and citizens. Simultaneously, we are committed to contributing to the County's increased productivity and organizational profitability, while always ensuring customer satisfaction.

Pricing for equipment and services in this proposal is consistent with New York State OGS #PT68722 Equipment and Services contract pricing. This proposal shall remain valid for a period of 120 days from the date of this cover letter. Cortland County may accept the proposal by delivering a signed purchase order to Motorola Solutions, Inc.

Questions or inquiries may be addressed to Rick Angelillo at 201-390-6814. We look forward to your positive review of our proposal, to subsequent discussions, and to helping the County achieve its communications goals and objectives.

Sincerely,

MOTOROLA SOLUTIONS, INC.

A blue ink signature of Roy Kirchner, written in a cursive style.

Roy Kirchner
MSSSI Vice President Territory 2

Table of Contents

Section 1

System Description	1-1
1.1 Overview	1-1
1.2 Geo-Redundant Virtual Prime Site Add-on	1-1
1.2.1 Virtualized Prime Site	1-2
1.2.2 RF Sites - Simulcast.....	1-4
1.2.3 Networking.....	1-4
1.3 System Backhaul Requirements	1-4
1.3.1 Intra-Prime Site Link Requirements	1-5
1.4 Spares	1-6
1.5 System & Rack Diagrams.....	1-7
1.6 High Level Cutover Plan.....	1-9
1.6.1 Virtualized Simulcast Prime Sites.....	1-9
1.7 Design Assumptions	1-10

Section 2

Statement of Work.....	2-1
2.1 Overview	2-1
2.2 Implementation Tasks	2-1
2.2.1 Assumptions	2-6
2.3 Preliminary Project Schedule	2-6
2.4 Sample Change Order Form	2-7

Section 3

Acceptance Test Plan.....	3-1
3.1 System Reliability Features	3-1
3.1.1 Simulcast Essential Subsite Operation	3-1
3.1.2 Site Failsoft.....	3-2
3.1.3 Continued Operation Upon Loss of GPS	3-3
3.1.4 Continued Operation Upon Loss of Prime Site Switch	3-4
3.1.5 Continued Operation Upon Loss of Reference Distribution Module	3-5
3.1.6 Comparator Site Link Failure.....	3-6
3.1.7 Configured Failsoft Limit.....	3-7
3.1.8 Local Failsoft Operations.....	3-8
3.1.9 Failure of Prime Site LAN Switch 1 at GEO-Prime Site - Automatic Activation of Controller 3	3-9
3.1.10 Failure of the Ethernet Backhaul Switch at the Primary GEO Prime Site	3-10
3.1.11 Primary Prime Site Link Failure – Simulcast GEO Prime Site to Zone Core Ethernet Link.....	3-11
3.1.12 Single DSC 8000 Failure.....	3-2
3.1.13 Failure of the Ethernet Backhaul Switch at the Primary GEO Prime Site	3-3
3.1.14 Primary Prime Site Link Failure – Simulcast GEO Prime Site to Zone Core Ethernet Link.....	3-4
3.1.15 Geo-Prime Site – Primary Prime Site Failure.....	3-5

3.1.16 Signoff Certificate 3-1

Section 4

Advanced Plus Services 4-1

4.1 Overview 4-1

4.2 Advanced Plus Services Element Descriptions 4-1

4.2.1 Network Event Monitoring 4-1

4.2.2 Remote Technical Support..... 4-1

4.2.3 Network Hardware Repair 4-2

4.2.4 Remote Security Update Service 4-2

4.2.5 OnSite Infrastructure Response 4-2

4.2.6 Annual Preventive Maintenance..... 4-2

4.2.7 Network Updates 4-2

4.3 Motorola Solutions Service Delivery Ecosystem 4-3

4.3.1 Centralized Managed Support Operations 4-3

4.3.2 Field Service..... 4-4

4.3.3 Repair Depot 4-4

4.3.4 Customer Support Manager 4-4

Section 5

Equipment List..... 5-1

Section 6

Pricing 6-1

6.1 Pricing Summary 6-1

6.1.1 Pricing Geo-Redundant Prime Site 6-1

6.2 Payment Terms 6-1

Section 7

Contractual Documentation..... Error! Bookmark not defined.

Section 1

System Description

1.1 Overview

Motorola Solutions, Inc. (Motorola Solutions) is submitting this Firm Proposal to Cortland County, NY (the County) in response to their request to provide an addition of a geographically redundant Simulcast Prime site to the existing FDMA trunked RF system. The new backup dispatch site called West Court will host the new Geo-Redundant prime site location. The proposed solution requires having an upgrade of the existing MPLS network to the latest Nokia SAR devices (quoted separately). Motorola Solutions' proposal includes the virtual Geo-Redundant prime site solution, which replaces the existing Cortlandville prime site equipment for the FDMA trunking system.

Currently, Cortland is operating with an 8-Site, 7-channel FDMA Trunking simulcast system at ASTRO release 2021. The simulcast components will be implemented at this release. This system description outlines the hardware and services that have been included as part of this proposal.

1.2 Geo-Redundant Virtual Prime Site Add-on

In order to provide the County, the latest the solution available, Motorola Solutions' proposal includes virtual Geo-Redundant prime site solution, which replaces the existing prime site equipment and adds new Geo-Redundant prime. Equipment credits have been provided to offset the cost and to ensure that the County pays for only the new backup Prime site equipment at the West Court site.

The Prime Site is responsible for providing call processing, channel assignments, synchronization of transmissions, and comparison of received signals within the simulcast network. It communicates with the Master Site and is a key component in managing mobility and providing seamless communications.

The proposal includes geographically redundant virtualized Prime Sites. Geographic redundancy ensures continued simulcast operation in the event a major failure or event removes one of the Prime Sites from service. If the primary Prime Site becomes unavailable, the system automatically switches to the back-up Prime Site and wide-area simulcast operation continues with minimal interruption. Both primary and back-up Prime Sites support full functionality on all channels and sites.

In a redundant Prime Site design, there is increased redundancy with additional prime site controllers and redundant comparators.

The primary Prime Site components include:

- One (1) Prime Access Router.
- Redundant DSC 8000's:
 - Redundant IP Comparators (Virtualized on DSC 8000).
 - Redundant Site Controllers (Virtualized on DSC 8000).
 - LAN Switches (Integrated into the DSC 8000).

- One (1) Backhaul Switch.
- One (1) TRAK 9100 Frequency Standard (Existing TRAK will be used).

The back-up Prime Site components include:

- One (1) Prime Access Router.
- Redundant DSC 8000's:
 - Redundant IP Comparators (Virtualized on DSC 8000).
 - Redundant Site Controllers at Main Prime (Virtualized on DSC 8000).
 - Single Site Controller at Back-up Prime (Virtualized on DSC 8000).
 - LAN Switches (Integrated into the DSC 8000).
 - DSC Internal GPS Timing Reference.
- One (1) Backhaul Switch.

The proposed redundant Prime Sites are located at Cortlandville (primary) and West Court site (back-up). The backup Prime site DSC 8000 will include an internal GPS timing reference. The Prime Site is pictured in Figure 1-1 below.

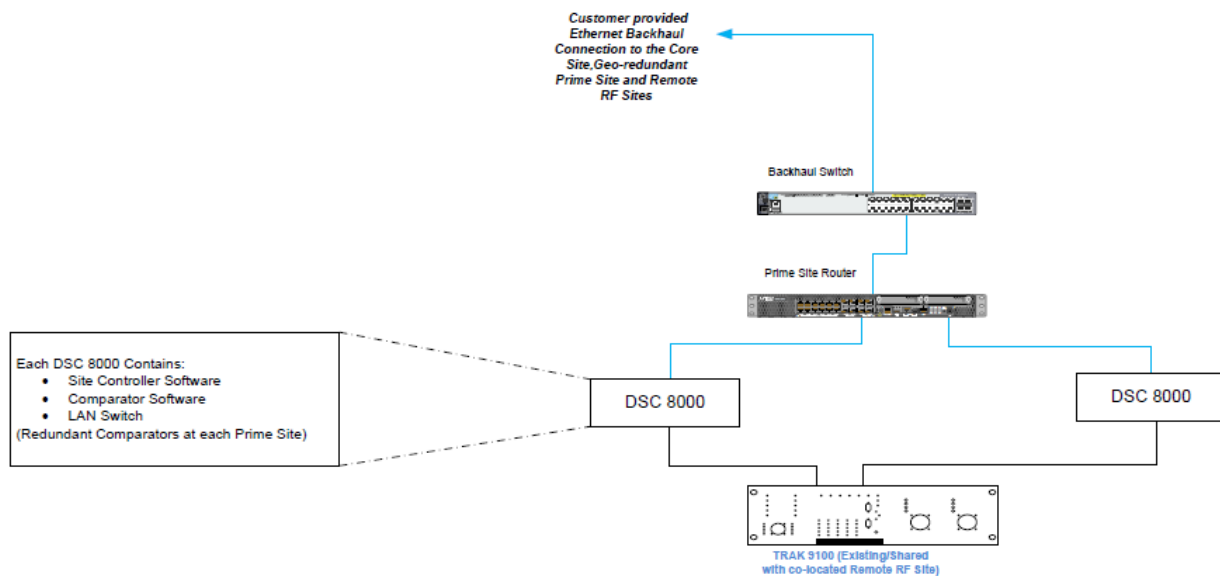


Figure 1-1: Prime Site Architecture (Cortlandville Site)

1.2.1 Virtualized Prime Site

The Virtualized Prime Site is the next generation Simulcast/Voting Prime Site for ASTRO 25 trunking systems. Site Controller and Comparator voting applications are virtualized onto a common hardware platform, consolidating Fault Management and Configuration capabilities into a centralized location and allowing for easier implementation and maintenance. Virtualization also enables software-only expandability. For example, when adding base stations to a simulcast sub-system the Prime Site only needs to add voting software licenses to expand the capacity. As no additional hardware is required, this expansion can be done remotely.

This fully redundant platform offers a new, web-based configuration tool and access to critical applications for more advanced support without the need for additional hardware. With less equipment to maintain, less power being consumed, and a smaller physical footprint, the Virtualized Simulcast Prime Site lowers Cortland County's cost of ownership.

The proposed Virtualized Simulcast Prime Site supports the following features and configurations:

- FDMA Voice Calls.
- Geo-Redundant Prime.
- Local, Full Redundancy.
- Integrated Data.
- Enhanced Data.
- Up to 18 Channels/Carriers.
- Up to 32 Remote Sub-sites.

DSC 8000

As part of the Virtualized Prime Site, the DSC 8000 consolidates the capabilities of a site controller and voting comparator of the ASTRO 25 trunking simulcast sub-system into a single hardware unit. The DSC 8000 assigns voice and data channels, manages and reports alarms, provides Ethernet switching capabilities, and offers a timing reference for simulcast synchronization. A TRAK 9100 GPS reference with rubidium backup provides timing to the DSC 8000.

The DSC 8000 also provides an IP-based voting and simulcast operation for trunking channels, picking up audio from multiple sites and performs a frame-by-frame analysis to build a high quality composite audio package for transmission. The DSC 8000 is provided in a redundant configuration, which means no single point of failure will cause the loss of any functionality or capacity at the Prime Site.

Site Controllers (Virtualized)

Redundant site controllers are virtualized on the DSC 8000's located at the Prime Site. The site controllers maintain communications with the sub-system sites, with the Master Site and perform all of the logic necessary to maintain operation and synchronization of these systems. They make channel assignments and process calls, at the site level.

Redundant Comparators (Virtualized)

Redundant IP comparators are virtualized on the DSC 8000's located at the Prime Site. They work in conjunction with the site controllers to maintain simulcast synchronization. In addition to providing simulcast data packet launch synchronization, the comparators control the sub-system's failsoft operation and compare received voice packets. For each respective channel, each virtualized comparator compares the voice data packets, from all sites, to provide the best possible composite received signal. The proposed system includes software for seven comparators at each Prime Site. When adding channels to the simulcast cell, comparators are added to the DSC 8000 through a software upgrade. No additional hardware is required until the channel count exceeds 18 channels.

GPS Frequency Standard/Time Server

A TRAK 9100 series GPS disciplined frequency standard provides the precise frequency and timing source for proper synchronization of the simulcast subsystem (Figure 1-2). The TRAK is equipped with an NTP time server, redundant power modules, redundant GPS receivers & antennas, and redundant oscillator modules to insure maximum reliability. It provides NTP time services along with 1-pps, 5 mbs,

and composite timing sources. The TRAK can also be equipped to provide 10 mbs, framed T1/E1, or IRIG outputs.

Note: For the proposed solution, Motorola has assumed to reuse existing TRAK unit and has only included DDM modules at the Main Prime Site.



Figure 1-2: TRAK 9100 GPS Disciplined References

Router and Switch Network

The Prime Access Routers at each Prime Site provide connectivity between the Prime Site, the Master Site and the simulcast remote sites. Each DSC 8000 includes integrated LAN switches for network connectivity within the Prime Site. One Backhaul switch at each Prime Site connects to the backhaul network, proving system-wide connectivity.

The geographically redundant Prime Sites maintain constant communications between themselves via a Layer 3 link on the MPLS/microwave backhaul network. This link keeps both Prime Sites current on call processing functions and allows for rapid switching between Prime Sites.

1.2.2 RF Sites - Simulcast

Each of the remote RF sites will connect to both the prime sites via the existing Microwave network. In the unlikely event of the main Prime site failure, the backup Prime site will take over the Simulcast control and operations continue without interruption. Currently, the remote RF sites don't have redundant links configured to the existing Prime site. This proposal will include new network routers and switches to add the resiliency components for all the RF sites. In the proposed design, the remote RF sites will have one link each to the proposed virtual Prime Sites via the new routers and switches.

1.2.3 Networking

In the Geo-Redundant Virtualized Prime Site configuration each of the prime site locations will have one (1) router and need backhaul IP connectivity to both the ASTRO 25 core and RF subsites, providing redundant connectivity. Each of the subsites will need connectivity to both the Prime Sites. The design includes an addition of one (1) switch and router at all the eight (8) existing RF sites.

Note: It is assumed that the County will be under a maintenance/lifecycle plan which will replace the existing switch/router at each of the RF sites. If there is no contract in place, the existing switch/router will need to be replaced via a change order process.

1.3 System Backhaul Requirements

The proposed Geo-Redundant Prime has specific backhaul requirements requiring possible reconfiguration of the existing backhaul/MPLS network. The County is responsible for providing the necessary backhaul connectivity. The preliminary backhaul bandwidth requirements for the system

design with Geo-Redundant Prime option are listed below and will be finalized during the customer design review with Motorola Solutions.

Table 1-1: Link Planning Template – Cortland County, NY

Site Links	Dual/Single	Total Minimum Bandwidth
Cortlandville to Core Site	Single	1.5 Mbps
West Court to Cortlandville (Intra-Prime Site Link) <i>Additional Requirements specified in section 0 apply</i>	Single	12Mbps *
Virgil to Cortlandville	Single	1 Mbps
Lapeer to Cortlandville	Single	1 Mbps
Cincinnatus to Cortlandville	Single	1 Mbps
Taylor to Cortlandville	Single	1 Mbps
Solon to Cortlandville	Single	1 Mbps
Cuyler to Cortlandville	Single	1 Mbps
Preble to Cortlandville	Single	1 Mbps

NOTE: The above mentioned bandwidths are minimum required for the proposed solution are in addition to the existing (if any) bandwidth requirements. Please note that the bandwidths specified above are a minimum requirement for each of the links. Depending on the topology of the backhaul network, link aggregation may occur and the specific bandwidth for each Microwave hop needs to account for that aggregation. Additionally, backhaul network also needs to conform to the latency, jitter and packet loss requirements for proposed RF system, which are also going to be dependent upon the topology. Motorola Solutions will provide these requirements once the County finalizes backhaul Network topology and details are made available to Motorola Solutions.

1.3.1 Intra-Prime Site Link Requirements

The intra-prime site link is an extension of the prime site LAN. Impairments on this link can be very detrimental to overall performance of the subsystem and it is critical that backhaul designers meet the transport specifications for this link. The following minimum requirements must be met:

- Ethernet link of at least 12 Mbps is required (end to end). Note that each prime site LAN switch (or DSC 8000 pair) will only provide a single port for this connection. From the site equipment's perspective, the intra-prime site link should be transparent. In other words, none of the LAN packets sent on the backhaul should be consumed or modified by the backhaul.
- A highly available Ethernet backhaul is critical requirement of this feature. Upon failure within the backhaul, an alternate bidirectional path must be established within 800 ms.
- Once a transport path is up in one direction, the backhaul design must ensure bidirectional packet flow in less than 100ms.
- Network looping events could have severe ramifications on system operation even for brief periods. The backhaul design must ensure that no network looping occurs as a result of failure/recovery of a link within the backhaul or in general during normal operation (i.e., same constraint that normally exists on any LAN).
- It is highly recommended that standards-based protocols (for example, ITU G.8032 for ring topologies) be used for backhaul designs.

- Dedicated bandwidth is essential if the link is shared with other traffic. In other words, throughput must not be impacted by other traffic on the same physical transport.
- The transport design must ensure that an intra-prime site link outage doesn't also cause a simultaneous subsite or site link outage.
- All collocated and remote subsites must have a path to the primary prime site during split brain. In general, subsite links must not rely on the same physical transport as the intra-prime site link (regardless of whether the subsite is remote or collocated) unless an alternate path to the primary prime site is available if the intra-prime site link goes down. This rule also applies for the site links.
- One-way latency on the intra-prime site link (end to end between LAN switches) must be ≤ 5 ms.
- Intra-prime site link traffic tags packets on VLAN 12 and 211. If Q-in-Q tagging is not used, the backhaul design must ensure that this VLAN number is not being utilized by other services.
- The backhaul must support 802.1q frame format. For certain operations, the Ethernet frames sent by the prime site LAN switches on the intra-prime site link could be as large as 1522 bytes (max limit for 802.1q). Transport designers must ensure that Ethernet frames of this size could be sent between the split prime sites. It is assumed that appropriate adjustments are made to the backhaul if the backhaul requires Q-in-Q tagging (increase the MTU size accordingly to support the extra bytes associated with Q-in-Q tagging).
- For a given subsite, current design constraints for Ethernet Site Links require that the redundant subsite link latency for each link is within 10 ms of each other. For geographically redundant prime sites, the intra-prime site link is considered a link segment along the path to the subsites and must be factored into this calculation.
- The prime site LAN switches apply QoS prioritization to the LAN traffic. Because the packets are ordered by the LAN switches, the backhaul must preserve the order of these packets.
- Please note that backhaul network also needs to conform to the latency, jitter and packet loss requirements for subsite links as well as the intra-prime site link, which are going to be dependent upon the network topology. Motorola Solutions will provide these requirements once the County finalizes backhaul Network topology and details are made available to Motorola Solutions.

1.4 Spares

A complement of spares is provided for the proposed system design and network and is detailed in the equipment lists.

1.5 System & Rack Diagrams

NEW Virtual Prime Site Rack

Rack Diagram IP Simulcast Virtual Prime Site
Main Prime Site at Cortlandville

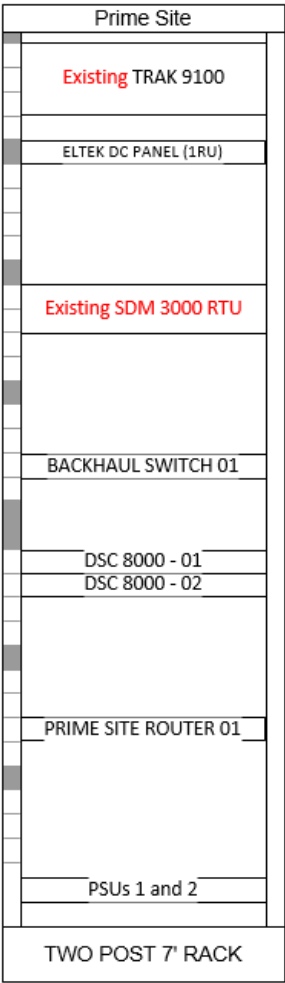


Figure 1-3: Virtual Prime Site Rack Drawing

NEW Geo Virtual Prime Site Rack
Rack Diagram IP Simulcast Virtual Prime Site
Geo-Prime Site at West Court

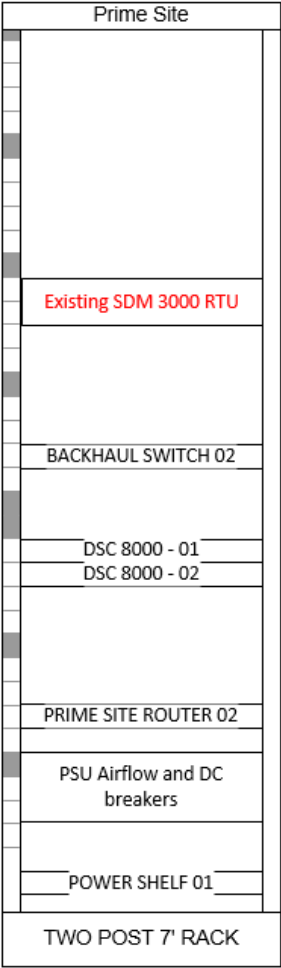


Figure 1-4: Virtual Geo Prime Site Rack Drawing

1.6 High Level Cutover Plan

The cutover plans below are preliminary high-level cutover steps. Final cutover plan with detailed steps will be created during the Contract Design Review (CDR).

1.6.1 Virtualized Simulcast Prime Sites

- Install new Geo-Redundant Virtualized Simulcast Prime at West Court Site.
- Enable new Geo-Redundant Virtualized Simulcast Prime in Core. Establish link to West Court virtual geo-prime site location.
- Update redundant remote site routers at each of the RF sites to recognize new West Court Geo-Redundant Virtualized Simulcast Prime.
- Update existing MPLS routers to recognize Geo-Redundant prime.
- At this point, all the channels will still be active and working off of the existing Prime site and the new Virtual Prime site is functional.
- Remove simulcast channels connected to site LAN switch #2 (channels 2, 4, and 6) at the remote sites from service on the existing Prime site by turning off the GCM comparators.
- Disconnect the Site LAN switch #1 and #2 at the remote RF sites.
- Verify the IP connectivity between each remote site to the new Virtual Prime site via the redundant switch/router pair at each of the remote RF sites.
- From the UEM, turn on the new virtual comparators for the channels 2, 4, and 6.
- At this point, channels 2, 4, and 6 will be on the new virtual Simulcast Prime. Verify the channels connect to the new Comparators and the new DSC Controller sees the channels as a “green” status.
- Verify radios can communicate on these channels.
- From the UEM, disable channels 1, 3, 5, and 7.
- Disconnect existing prime site.
- Connect the LAN Switch #1 and LAN Switch #2 at the remote sites.
- From the UEM, turn on the new virtual comparators for the channels 1, 3, 5, and 7.
- At this point, channels 1, 3, 5, and 7 will be on the new virtual Simulcast Prime. Verify the channels connect to the new Comparators and the new DSC Controller sees the channels as a “green” status.
- Verify radios can communicate on these channels.
- Remove existing prime equipment at Cortlandville site and install new Virtualized Simulcast Prime equipment.
- Program and cable routers and switches.
- Configure the second router at the each of the remote RF sites to connect to the new Virtual Prime site at Cortlandville.
- Re-establish link to Core as new Virtualized Simulcast Prime.

- Verify the connectivity between each of the remote RF sites and the virtual Prime site at Cortlandville.
- Setup Layer 3 intra-prime link.
- Switch prime operation to Cortlandville. Confirm operation.

1.7 Design Assumptions

- The new MPLS network system is completed before the proposed Geo-Redundant Virtual Prime.
- Each rack will have its own rack mount UPS and there will be a new building generator installed by Cortland County.
- Motorola is not replacing any existing Tactical channels on existing MTR equipment.
- For the Cortlandville Prime Site, the new Eltek DC Panel requires two (2) 20-Amp circuits.
- Motorola Solutions has not included any cost for structural or foundation upgrades to the antenna support structure.
- Any antenna installation/structural analysis for towers has not been included as a part of this proposal.
- The site will have adequate room for installation of proposed equipment, based on applicable codes and Motorola Solutions' R56 standards.
- The Customer does not desire upgrade of the existing site to meet Motorola Solutions' R56 standards.

Section 2

Statement of Work

2.1 Overview

This Statement of Work (SOW) describes the deliverables to be furnished to the Cortland County. Motorola Solutions, its subcontractors, will perform the tasks described herein and Cortland County to implement the solution described in the System Description. It describes the actual work involved in installation, identifies the installation standards to be followed, and clarifies the responsibilities for both Motorola Solutions and Cortland County during the project implementation. Specifically, this SOW provides:

- A summary of the phases and tasks to be completed within the project lifecycle.
- A list of the deliverables associated with the project.
- A description of the responsibilities for both Motorola Solutions and Cortland County.
- The qualifications and assumptions taken into consideration during the development of this project.

This SOW provides the most current understanding of the work required by both parties to ensure a successful project implementation. In particular, Motorola Solutions has made assumptions of the sites to be used for the new system. Should any of the sites change, a revision to the SOW and associated pricing will be required. It is understood that this SOW is a working document, and that it will be revised as needed to incorporate any changes associated with contract negotiations, and any other change orders that may occur during the execution of the project.

2.2 Implementation Tasks

Motorola Solutions will install and configure the proposed equipment. The following table describes the tasks involved with installation and configuration.

Tasks	Motorola Solutions	Cortland County
PROJECT INITIATION		
Contract Finalization and Team Creation		
Execute contract and distribute contract documents.	X	X
Assign a Project Manager as a single point of contact.	X	X
Assign resources.	X	X
Schedule project kickoff meeting.	X	X
Deliverable: Signed contract, defined project team, and scheduled project kickoff meeting.		

Tasks	Motorola Solutions	Cortland County
Project Administration		
Ensure that project team members attend all meetings relevant to their role on the project.	X	X
Set up the project in the Motorola Solutions information system.	X	
Record and distribute project status meeting minutes.	X	
Maintain responsibility for third-party services contracted by Motorola Solutions.	X	
Complete assigned project tasks according to the project schedule.	X	X
Submit project milestone completion documents.	X	
Upon completion of tasks, approve project milestone completion documents.		X
Conduct all project work Monday thru Friday, 8:00 a.m. to 5:00 p.m.).	X	
Deliverable: Completed and approved project milestones throughout the project.		
Design Review		
Review the Customer's operational requirements.	X	X
Present the system design and operational requirements for the solution.	X	
Present installation plan.	X	
Present preliminary cutover plan and methods to document final cutover process.	X	
Present configuration and details of sites required by system design.	X	
Validate that Customer sites can accommodate proposed equipment.	X	X
Provide approvals required to add equipment to proposed existing sites.		X
Present equipment layout plans and system design drawings.	X	
Provide backhaul performance specifications and demarcation points.	X	
Provide heat load and power requirements for new equipment.	X	
Provide information on existing system interfaces.		X
Assume liability and responsibility for providing all information necessary for complete installation.		X
Assume responsibility for issues outside of Motorola Solutions' control.		X
Review and update design documents, including System Description, Statement of Work, Project Schedule, and Acceptance Test Plan, based on Design Review agreements.	X	
Provide minimum acceptable performance specifications for customer provided hardware, software, LAN, WAN and internet connectivity.	X	
Execute Change Order in accordance with all material changes to the Contract resulting from the Design Review.	X	
Deliverable: Finalized design documentation based upon "frozen" design, along with any relevant Change Order documentation.		

Tasks	Motorola Solutions	Cortland County
SYSTEM INSTALLATION		
Equipment Order and Manufacturing		
Create equipment order and reconcile to contract.	X	
Manufacture Motorola Solutions-provided equipment necessary for system based on equipment order.	X	
Procure non-Motorola Solutions equipment necessary for the system.	X	
Deliverable: Equipment procured and ready for shipment.		
System Staging		
Ship all equipment needed for staging to local facility.	X	
Provide information on existing system interfaces, room layouts, or other information necessary for the assembly to meet field conditions.		X
Set up and rack the solution equipment on a site-by-site basis, as it will be configured in the field at each of the sites.	X	
Cut and label the cables with to/from information to specify interconnection for field installation and future servicing needs.	X	
Complete the cabling/connecting of the subsystems to each other ("connectorization" of the subsystems).	X	
Assemble required subsystems to assure system functionality.	X	
Power up, load application parameters, program, and test all staged equipment.	X	
Confirm system configuration and software compatibility with the existing system.	X	
Inventory the equipment with serial numbers and installation references.	X	
Deliverable: System staged and ready for shipment.		
Equipment Shipment and Storage		
Provide secure location for solution equipment.		X
Pack and ship solution equipment to the identified, or site locations.	X	
Receive solution equipment.		X
Inventory solution equipment.	X	
Deliverable: Solution equipment received and ready for installation.		
General Installation		
Deliver solution equipment to installation location.		X
Coordinate receipt of and inventory solution equipment with designated contact.	X	
Install all proposed fixed equipment as outlined in the System Description based upon the agreed-upon floor plans, connecting audio, control, and radio transmission cables to connect equipment to the power panels or receptacles, and audio/control line connection points. Installation performed in accordance with R56 standards and state/local codes.	X	

Tasks	Motorola Solutions	Cortland County
Provide system interconnections that are not specifically outlined in the system design, including dedicated phone circuits, microwave links, or other types of connectivity.		X
Install and terminate all network cables between site routers and network demarcation points, including microwave, leased lines, and Ethernet.	X	
Connect installed equipment to the County provided ground system.	X	
Label equipment, racks, and cables.	X	
Note any required changes to the installation for inclusion in the "as-built" system documentation.	X	
Remove, transport, and dispose of old equipment.		X
Deliverable: Equipment installed.		
SYSTEM OPTIMIZATION AND TESTING		
R56 Site Audit		
Perform R56 site-installation quality-audits, verifying proper physical installation and operational configurations.	X	
Create site evaluation report to verify site meets or exceeds requirements, as defined in Motorola Solutions' R56 Standards and Guidelines for Communication Sites.	X	
Deliverable: R56 Standards and Guidelines for Communication Sites audits completed successfully.		
Functional Acceptance Testing		
Verify the operational functionality and features of the solution supplied by Motorola Solutions, as contracted.	X	
Witness the functional testing.		X
Document all issues that arise during the acceptance tests.	X	
If any major task for the system as contractually described fails during the Customer acceptance testing or beneficial use, repeat that particular task after Motorola Solutions determines that corrective action has been taken.	X	
Resolve any minor task failures before Final System Acceptance.	X	
Document the results of the acceptance tests and present for review.	X	
Review and approve final acceptance test results.		X
Deliverable: Completion of functional testing and approval by Customer.		
PROJECT TRANSITION		
Cutover		
Finalize Cutover Plan.	X	X
Calibrate and tune existing mobile and portable radios to ensure good working order.		X
Provide Motorola Solutions with user radio information for input into the system database and activation, as required.		X

Tasks	Motorola Solutions	Cortland County
Provide programming of user radios and related services (i.e. template building, re-tuning, testing and installations), as needed, during cutover period.		X
Conduct cutover meeting with relevant personnel to address both how to mitigate technical and communication problem impacts to the users during cutover and during the general operation of the system.	X	
Notify the personnel affected by the cutover of the date and time planned for cutover.		X
Provide ongoing communication with users regarding the project and schedule.	X	X
Cut over users and ensure that user radios are operating on system.		X
Resolve punchlist items, documented during the Acceptance Testing phase, in order to meet all the criteria for final system acceptance.	X	
Assist Motorola Solutions with resolution of identified punchlist items by providing support, such as access to the sites, equipment and system, and approval of the resolved punchlist items.		X
Deliverable: Migration to new system completed, and punchlist items resolved.		
Transition to Warranty		
Review the items necessary for transitioning the project to warranty support and service.	X	
Motorola Solutions to provide services during year 1 warranty which align with the proposed services.	X	
Provide a Customer Support Plan detailing the warranty support associated with the contract equipment.	X	
Participate in the Transition Service/Project Transition Certificate (PTC) process.		X
Deliverable: Service information delivered and approved by Customer.		
Finalize Documentation and System Acceptance		
Provide manufacturer's installation material, part list and other related material to Customer upon project completion.	X	
Provide an electronic as-built system documentation which will include the following: - Site Block Diagrams. - Site Equipment Rack Configurations. - Functional Acceptance Test Plan Test Sheets and Results. - Equipment Inventory List. Drawings will be delivered in Adobe PDF format.	X	
Receive documentation.		X
Execute Final Project Acceptance.	X	X
Deliverable: All required documents are provided. Final Project Acceptance.		

2.2.1 Assumptions

- Quote is valid for 180days.
- 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.).
- The site will have adequate room for installation of proposed equipment, based on applicable codes and Motorola Solutions' R56 standards.
- Customer or consultant visit to subcontractor facility to review the assembly/testing of the equipment is not included.
- One (1) GGM8000 router from the existing spares inventory will be available during cutover period.
- Training is not included within this proposal.

2.3 Preliminary Project Schedule

Below is a preliminary high level schedule. A detailed schedule will be provided during the CDR phase of the project. Additionally, the project schedule will be adjusted based on the current market supply chain challenges.

Table 2-1: Preliminary High Level Schedule

ITEM	PRELIMINARY PROJECT MILESTONE SCHEDULE	MONTH
1	Contract Signed	0
2	Kick-off/Contract Design Review	1-2
3	Order Entry Completed	2
4	Staging	3-8
4	Ship Equipment	8
5	Site Equipment Installation	9
6	System Optimization/Configuration	10
7	Acceptance Testing/Functional Test	11
8	Cutover	11
9	Documentation Complete/Final Acceptance	12

Statement of Work

Use or disclosure of this proposal is subject to the restrictions on the cover page.
Motorola Solutions Confidential Restricted



Changes in Equipment: *(additions, deletions or modifications)* **Include attachments if needed**

Scope of Work Changes: *(additions, deletions or modifications)* **Include attachments if needed**

Changes in SUA and Support Services: *(additions, deletions or modifications)* **Include attachments if needed. Must be completed by Project CSM.**

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

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

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

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

Purchase Order Requirements for this Change Order (select only one).

- ☐ A Purchase Order is required - included with this change order and is attached.
- ☐ No Purchase Order is required - Customer affirms that this change order document is the only notice to proceed required, that funding has been encumbered for this change order in its entirety, and that no further purchase orders will be issued against this change order,
- ☐ No Purchase Order required - this is a \$0 Change Order, or a decrease in scope.

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

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

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

Reviewed by: _____
Motorola Solutions Project Manager

Date: _____

Section 3

Acceptance Test Plan

3.1 System Reliability Features

3.1.1 Simulcast Essential Subsite Operation

1. DESCRIPTION

This test will demonstrate the essential site operation within a simulcast system. An essential simulcast remote site is one that must have at least one control channel and one traffic channel for the simulcast subsystem to remain trunking mode. If all control channels or all traffic channels have experienced faults at an essential simulcast remote site, then the entire simulcast subsystem is put into failsoft mode to ensure communication can continue in the area covered by the essential simulcast remote site. When all of the wide area failsoft channels at an essential simulcast remote site have experienced faults, the essential simulcast remote site is malfunctioned.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - (SIMULCAST SITE)
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - (SIMULCAST SITE)
RADIO-3 - TALKGROUP 1
RADIO-3 - SITE - SITE 1

* At least one of the remote simulcast sites must be designated an essential site (availability number is set to 100%) and one must be designated a non-essential site.

* CSS (Configuration Service Software) must be running on a laptop computer (provided by CCSI) and plugged into the G-Series Simulcast Site Controller, or PCA must be used via the service laptop for the DSC 8000.

* This test assumes that the availability number for the non-essential site is set to the default of 50%.

VERSION #1.080

2. TEST

- Step 1. Using CSS read the G-Series Site Controller and bring up the Site Controller Status Panel service screen, or use PCA for the DSC 8000.
- Step 2. Power down one of the control channel capable stations at the non-essential site and note that the CSS/PCA shows the channel is malfunctioned and will not be used.
- Step 3. Repeat Step 1 for each of the other control channel capable stations or until 50% or more of the stations have been malfunctioned.
- Step 4. Verify that the CSS/PCA shows that the disabled channels have been enabled at all other sites in the simulcast subsystem and that RADIO-1 can communicate with RADIO-3.
- Step 5. Re-power all of the control channel capable stations at the non-essential site.
- Step 6. Power down all of the control channel capable stations at the essential site.
- Step 7. Verify that the simulcast subsystem is now in the failsoft mode.
- Step 8. Re-power all of the control channel capable stations at the essential site and verify the simulcast subsystem is back in wide-area trunking.

Pass_____ Fail_____

System Reliability Features

3.1.2 Site Failsoft

1. DESCRIPTION

Failure of all control channels, failure of all voice channels, or failure of the site controller will cause a site (RF Subsystem) to enter failsoft operation. Subscribers can be programmed to operate in failsoft by talkgroup; to search its list of control channel frequencies in failsoft; or to disable failsoft altogether. When a site enters failsoft, a radio programmed for failsoft by talkgroup will first look for a specific failsoft channel dictated by the selected talkgroup. Since many systems have different frequencies across sites, if the radio is unable to find the talkgroups failsoft channel the radio will instead operate in the control channel search failsoft mode. A radio programmed or needing to search control channels for failsoft frequencies will lock onto the first control channel in its control channel list. Note: Radios should not be site locked when in failsoft mode. The radio will not check the full list of 64 control channels programmed into the radio's code plug. All radios should be programmed to have the same sequence of control channel frequencies. Note: The subscribers MUST be SmartZone capable.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 2
RADIO-3 - SITE - SITE 1
RADIO-4 - TALKGROUP 2
RADIO-4 - SITE - SITE 1

* Program the Radios for failsoft operation by talkgroup. TALKGROUP 1 should use a different channel for failsoft than TALKGROUP 2 and neither should be a control channel.

* In order to prevent roaming turn off all sites except the site under test.

VERSION #1.010

2. TEST

- Step 1. Using the Unified Event Manager (UEM), place the subsystem into failsoft mode.
- Step 2. Verify that the Radios emits a failsoft tone approximately once every ten seconds.
- Step 3. Initiate a Talkgroup Call from RADIO-1 while in failsoft mode.
- Step 4. Verify that only RADIO-2 can hear RADIO-1.
- Step 5. Dekey RADIO-1 and power down the failsoft channel associated with TALKGROUP 1.
- Step 6. Key RADIO-1 and verify RADIO-2 can still monitor the call but the other radios cannot.
- Step 7. Dekey RADIO-1 and initiate a Talkgroup Call from RADIO-3.
- Step 8. Verify that only RADIO-4 can hear RADIO-3.

Pass _____ Fail _____

System Reliability Features

3.1.3 Continued Operation Upon Loss of GPS

1. DESCRIPTION

Dual LAN subsites utilize two Global Positioning System (GPS) receivers as timing reference sources rather than TRAK. In addition, two new modules ("GPB 8000 Reference Distribution Modules (RDM)") are added to the primary GTR8000 Expandable Site Subsystem (ESS) to facilitate the switching and time reference distribution functions at the remote sites.

The GPB 8000 Reference Distribution Modules train to the GPS receivers and generate the output time reference which is utilized by the Multisite Base Radios (MsBRs). In the event of a GPS failure, the RDMs are capable of making a transparent transition from one time reference source to another without disturbing any channels that are in service at the site. The MsBRs choose the most accurate reference being output by each RDM.

This test case will demonstrate continued wide area operation upon a single point of failure associated with a GPS receiver.

SETUP

RADIO-1 TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 TALKGROUP 1
RADIO-2 - SITE - SITE 2
RADIO-3 TALKGROUP 1
RADIO-3 - SITE - SITE 1

Ensure ZoneWatch is setup to monitor the sites and the Unified Event Manager (UEM) is available for viewing faults.

Note: A GPS failure can be simulated by pulling the GPS cable at the junction panel.

VERSION #1.020

2. TEST

- Step 1. Using RADIO-1, key-up on a channel at SITE 1. While RADIO-1 is keyed, fail GPS 1.
- Step 2. Verify RADIO-1 operation on ZoneWatch. RADIO-1 stays on the same channel and the Site remains in wide area trunking.
- Step 3. Verify that RADIO-2 and RADIO-3 receive RADIO-1 audio without interruption.
- Step 4. Verify that the UEM reports the failure of GPS 1.
- Step 5. Dekey RADIO-1, key-up RADIO-3 on a channel residing on the primary ESS. While RADIO-3 is keyed, restore GPS 1.
- Step 6. Verify RADIO-3 operation on ZoneWatch. RADIO-3 stays on the same channel and the Site remains in wide area trunking.
- Step 7. Verify that RADIO-1 and RADIO-2 receive RADIO-3 audio without interruption.
- Step 8. Verify that the UEM reports the recovery of GPS 1.

Pass_____ Fail_____

System Reliability Features

3.1.4 Continued Operation Upon Loss of Prime Site Switch

1. DESCRIPTION

The Simulcast Prime Site High Availability feature enhances current operation by increasing the number of channels available following a LAN switch failure. These sites are configured with four LAN switches rather than the standard two LAN switch configuration. When the same site resources are spread across four LAN switches, the failure of a single switch removes fewer resources hence improving the general availability of resources as well as improving the likelihood of preserving redundancy.

Per current operation, these sites are expected to preserve wide area operation upon failure of any of the switches (assumes redundant WAN links are utilized between the master site and prime site). This test case will demonstrate continued wide area operation upon a single switch failure. It also demonstrates increased channel availability over the standard 2 LAN switch configuration.

SETUP

RADIO-1 TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 TALKGROUP 1
RADIO-2 - SITE - SITE 2
RADIO-3 TALKGROUP 1
RADIO-3 - SITE - SITE 1

Channel 2 (on switch 2) is set as the preferred control channel. Channel 4 is the next preferred. Redundant WAN links are configured between the master site and prime site.

Ensure Zone Watch is setup to monitor the sites and the Unified Event Manager (UEM) is available for viewing faults.

Note: Switch failures may be simulated by pulling power on the switch.

VERSION #1.010

2. TEST

- Step 1. Verify that the SITE 1 is in wide area trunking. (Normal Operation)
- Step 2. Fail switch 2 and verify that the Site remains in wide area trunking.
- Step 3. Verify that the UEM reports the failure of switch 2.
- Step 4. Verify in ZoneWatch that channels on switches 1, 3 and 4 are available.
- Step 5. Key-up RADIO-1 on a channel connected to switch 1 and verify that RADIO-2 and RADIO-3 receive RADIO-1 audio. Repeat this step for channels connected to switch 3 and 4 also.

Pass_____ Fail_____

System Reliability Features

3.1.5 Continued Operation Upon Loss of Reference Distribution Module

1. DESCRIPTION

Dual LAN subsites are equipped with new hardware that enable all of the Multisite Base Radios (MsBRs) to communicate over an active or redundant LAN, thus lessening the impacts of a single point of failure. Two modules ("GPB 8000 Reference Distribution Modules (RDM)") are added to the primary GTR8000 Expandable Site Subsystem (ESS) to facilitate the switching and time reference distribution functions at the remote sites. In addition, the expansion cabinets are equipped with two Expansion HUBs (XHUBs). A failure of an RDM or XHUB will result in the MsBRs automatically reverting to the LAN served by the other active RDM/XHUB thus allowing continued wide area operation by all MsBRs.

This test case will demonstrate continued wide area operation upon a single point of failure associated with an RDM failure.

SETUP

RADIO-1 TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 TALKGROUP 1
RADIO-2 - SITE - SITE 2
RADIO-3 TALKGROUP 1
RADIO-3 - SITE - SITE 1

Ensure ZoneWatch is setup to monitor the sites and the Unified Event Manager (UEM) is available for viewing faults.

Note: An RDM/XHUB failure can be simulated by pulling the RDM/XHUB out of the ESS.

VERSION #1.020

2. TEST

- Step 1. Using RADIO-1, key-up on a channel residing on SITE 1's primary Expandable Site Subsystem (ESS). While RADIO-1 is keyed, fail RDM 1.
- Step 2. Verify RADIO-1 operation on ZoneWatch. RADIO-1 stays on the same channel and the Site remains in wide area trunking.
- Step 3. Verify that RADIO-2 and RADIO-3 receive RADIO-1 audio.
- Step 4. Verify that the UEM reports the failure of RDM 1.
- Step 5. Dekey RADIO-1, key-up RADIO-3 on a channel residing on the primary ESS. While RADIO-3 is keyed, restore RDM 1.
- Step 6. Verify RADIO-3 operation on ZoneWatch. RADIO-3 stays on the same channel and the Site remains in wide area trunking.
- Step 7. Verify that RADIO-1 and RADIO-2 receive RADIO-3 audio.
- Step 8. Verify that the UEM reports the recovery of RDM 1.

Pass_____ Fail_____

System Reliability Features

3.1.6 Comparator Site Link Failure

1. DESCRIPTION

This test will demonstrate in the event of a Conventional site link failure, that the rest of the conventional simulcast system continues to operate.

SETUP

RADIO-1 - CONVENTIONAL CHANNEL 1
RADIO-1 - SITE - CONVSITE 1
RADIO-2 - CONVENTIONAL CHANNEL 1
RADIO-2 - SITE - CONVSITE 2

In order to reduce the amount of wait time for the alarm to report, set the Status Tone Timeout timer from 60 seconds to 15 seconds in the Comparator.

VERSION #1.010

2. TEST

- Step 1. Remove CONVSITE 3 link to the Comparator.
- Step 2. After the Status Tone Timeout timer has been exceeded, verify that an alarm is given on the Comparator.
- Step 3. Using RADIO-1 and RADIO-2 verify that the system continues to operate at the remaining sites.

Pass____ Fail____

System Reliability Features

3.1.7 Configured Failsoft Limit

1. DESCRIPTION

This test will demonstrate that the Trunking site goes into Site Failsoft mode when the configured value for Minimum Repeaters To Trunk (MRTT) is reached.

This feature is expected to be used for single site systems. If the system under test uses a Master Site containing a Zone Controller the site must be in Site Mode prior to feature validation.

Use CSS to configure the Site Controllers for the desired MRTT value.

Using CPS, make sure failsoft is enabled and proper failsoft frequencies are configured for the Radios. Radios can be configured for Talk Group or Personality Failsoft with the same expected results.

SETUP

RADIO-1 - SITE - SITE 1
RADIO-1 - TALKGROUP 1
RADIO-2 - SITE - SITE 1
RADIO-2 - TALKGROUP 2
TRUNKING CHANNEL 1 - Control
Configure all BRs for Failsoft Enabled.
If necessary, configure the Site for Site Trunking.

VERSION #1.050

2. TEST

- Step 1. Use the CSS to configure the value for Minimum Repeaters to Trunk to the number of channels in the system or site such that failure of a single channel will result in Site Failsoft.
- Step 2. Verify that the site is not in Failsoft mode by noting that the radio displays do not show "Failsoft" and that the failsoft tone is not audible.
- Step 3. Disable control Channel 1 and verify that the site is in Failsoft by seeing that the radio displays show "Failsoft" and that the failsoft tone is audible.
- Step 4. Initiate a call using RADIO-1 on TALKGROUP 1. Verify RADIO-2 receives and can respond to the call.
- Step 5. Enable control Channel 1 and verify that the site is not in Failsoft.
- Step 6. Disable Channel 2 and verify that the site is in Failsoft by seeing that the radio displays show "Failsoft" and that the failsoft tone is audible.
- Step 7. Initiate a call using RADIO-1 on TALKGROUP 1. Verify RADIO-2 receives and can respond to the call.
- Step 8. Enable Channel 2 and verify that the site is not in Failsoft.

Pass____ Fail____

System Reliability Features

3.1.8 Local Failsoft Operations

1. DESCRIPTION

This test will demonstrate that the Simulcast Trunking Sub-site goes into Local Failsoft mode when the base radio detects the loss of communication to the Prime Site. When in Local Failsoft mode, radios programmed for failsoft are able to communicate within the coverage of the selected sub-site.

Note: Radios should be programmed to have the configured Local Failsoft channel frequency as the failsoft frequency.

SETUP

TRUNKING SITE 1 with SUB-SITE-1 and SUB-SITE-2
TRUNKING CHANNEL 1 - Control

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1

Connect CSS (Configuration Service Software) to MSBR_2 at SUBSITE-1.
Program the Radios for failsoft operation by talkgroup with failsoft frequency of MSBR_2.

VERSION #1.040

2. TEST

- Step 1. Use the CSS to configure the Local_Failsoft parameter Enabled for MSBR_2 at Sub-site 1. Optional: set the desired Local Failsoft Holdoff Time value.
- Step 2. Verify that the site is Wide Trunking mode. Place a talkgroup call from RADIO-1 and verify the audio heard at RADIO-2.
- Step 3. Disconnect all sub-site links for SITE 1. Verify that the Sub-site_1 is in Local Failsoft from CSS Status Panel. Verify the radio displays show "Failsoft" and that the failsoft tone is audible every 15 seconds.
- Step 4. Key RADIO-1 and verify the audio is heard at RADIO-2.
- Step 5. Re-connect all sub-site links for SITE 1. Verify that the SITE is in Wide Trunking and sub-site 1 is not in Local Failsoft from CSS Status Panel.
- Step 6. Place a talkgroup call from RADIO-1 and verify the audio heard at RADIO-2. Also, verify the failsoft tone is no longer audible at the radios.

Pass____ Fail____

System Reliability Features

3.1.9 Failure of Prime Site LAN Switch 1 at GEO-Prime Site - Automatic Activation of Controller 3

1. DESCRIPTION

The primary objective of this prime site configuration is to provide a highly available trunked simulcast subsystem where the failure or total destruction of a prime site location will not result in the loss of wide area radio communications for any significant period time.

This test will show that in the event of a failure or loss of both the active and redundant multisite controllers at the primary prime site, the site controller at the secondary prime site (multisite controller 3) will be automatically activated to restore the system back to wide area operation. This particular event can occur due to a failure of both multisite controllers at the primary prime site or due to a failure of the prime site LAN switch they are connected to.

SETUP

RADIO-1 - TALKGROUP 1 - SITE 1
RADIO-2 - TALKGROUP 1 - SITE 2
Multisite Controller 1: Active
Multisite Controller 2: Standby
Multisite Controller 3: Standby
UEM Session running on NM Client
UNC Session running on NM Client

VERSION #1.120

2. TEST

- Step 1. Initiate a talkgroup call from RADIO-1. Observe that RADIO-2 receives the audio.
- Step 2. Disconnect the AC power cord from the Prime Site LAN Switch at the primary prime site.
- Step 3. Observe that the call is dropped and appropriate alarms occur in the UEM.
- Step 4. Observe that SITE 1 returns to the Wide Area Trunking mode of operation after a brief outage.
- Step 5. Initiate a talkgroup call from RADIO-1. Observe that RADIO-2 receives the audio.
- Step 6. Dekey RADIO-1.
- Step 7. Reconnect the AC power cable disconnected in step 2.
- Step 8. Observe that SITE 1 returns to the Wide Area Trunking mode of operation after a brief transition to Site Trunking.
- Step 9. Initiate a talkgroup call from RADIO-1. Observe that RADIO-2 receives the audio.
- Step 10. Dekey RADIO-1.

Pass_____ Fail_____

System Reliability Features

3.1.10 Failure of the Ethernet Backhaul Switch at the Primary GEO Prime Site

1. DESCRIPTION

This test shows that in the event the Ethernet Backhaul Switch at the primary prime site fails, the voice traffic from the remote subsites are rerouted through the secondary prime site to the primary prime site.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 2

VERSION #1.040

2. TEST

- Step 1. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Observe that RADIO-2 receives the audio. Dekey RADIO-1.
- Step 2. Disconnect the AC power cord from the Ethernet Backhaul Switch at the primary prime SITE 1.
- Step 3. Observe that appropriate alarms occur in the UEM and that SITE 1 is still in Wide Area Trunking mode of operation.
- Step 4. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Observe that RADIO-2 receives the audio. Dekey RADIO-1.
- Step 5. Reconnect the AC power cable disconnected in step 2.
- Step 6. Observe that SITE 1 continues to operate in Wide Area Trunking.
- Step 7. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Observe that RADIO-2 receives the audio.

Pass_____ Fail_____

System Reliability Features

3.1.11 Primary Prime Site Link Failure – Simulcast GEO Prime Site to Zone Core Ethernet Link

1. DESCRIPTION

This test shows that in the event of a failure of the link between the primary prime site and the zone core, the voice traffic from the primary prime site is rerouted through the secondary prime site to the zone core.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 2

VERSION #1.040

2. TEST

- Step 1. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Keep the radio keyed up until instructed to dekey. Observe that RADIO-2 receives the audio.
- Step 2. Create a site link failure (prime site to zone core) by disconnecting the Ethernet LAN cable from the Prime Site Router at the primary prime SITE 1.
- Step 3. Worst case, observe an audio hole in from RADIO-1 to RADIO-2, but that the call continues.
- Dekey RADIO-1.
- Step 4. Observe, in the Unified Event Manager, that the site link has failed.
- Step 5. Observe that the SITE 1 continues to operate in Wide Area Trunking.
- Step 6. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Keep the radio keyed up until instructed to dekey. Observe that RADIO-2 receives the audio.
- Step 7. Reconnect the Ethernet LAN cable to the Prime Site Router at the primary prime SITE 1.
- Step 8. Observe that SITE 1 continues to operate in Wide Area Trunking.
- Step 9. Observe that RADIO-2 receives the audio from RADIO-1.
- Step 10. Dekey RADIO-1.

Pass_____ Fail_____

System Reliability Features

3.1.12 Single DSC 8000 Failure

1. DESCRIPTION

A Virtualized Prime Site consists of multiple DSC 8000s working in a redundant configuration. In case one DSC fails, another DSC will take over and carry on all Virtualized Prime Site operations (site controller, comparator, switch). Typically for a 2 DSC configuration in non-failure conditions, the odd channels are serviced by DSC1 and the even channels are serviced by DSC2.

PCA – Provisioning and Configuration Agent.

SETUP

A Virtualized Prime Site with a minimum of 4 channels. At least one odd and one even channel are Control Channel capable (typically the first 4 channels).

PCA is connected to DSC2 (since DSC1 will be powered off).

This test can be ran on a non-Tsub prime site or a Tsub prime site (while in wide area trunking).

RADIO-1 – TALKGROUP 1
CONSOLE-1 - TALKGROUP 1

RADIO-2 - TALKGROUP 2
CONSOLE-2 - TALKGROUP 2

All Radios should be "Site Locked"

VERSION #1.060

2. TEST

- Step 1. Verify the system is in Wide Trunking Mode with Channel-1 as the control channel and all channels are in service.
- Step 2. Initiate a call from CONSOLE-1 and verify that RADIO-1 hears the audio (keep CONSOLE-1 keyed until Step 5). Verify an even Channel (which will be on DSC2) is used via ZoneWatch. Key CONSOLE-2 and verify that RADIO-2 hears the audio. Verify an odd Channel (which will be on DSC1) is used via ZoneWatch.
- Step 3. Power off DSC1 using the power button of the DSC (long push). Verify that reception of audio at RADIO-2 is interrupted for a short period of time until the call is re-assigned to a channel serviced by DSC2. Dekey CONSOLE-2.
- Verify that RADIO-1 continues to hear audio from CONSOLE-1 (call on DSC2).
- Verify that the site remains in wide trunking.
- Step 4. After a short period of time, verify that all channels at the site are now enabled (with warning of non-redundant). Initiate a call from CONSOLE-2 and verify that RADIO-2 hears the audio (call is now on DSC2).
- Step 5. Dekey CONSOLE-1. Dekey CONSOLE-2.
- Step 6. Power on DSC1 using the power button of the DSC. Observe that the site remains in wide trunking. After DSC boots up, verify all of the channels are operational.

Pass_____ Fail_____

System Reliability Features

3.1.13 Failure of the Ethernet Backhaul Switch at the Primary GEO Prime Site

1. DESCRIPTION

This test shows that in the event the Ethernet Backhaul Switch at the primary prime site fails, the voice traffic from the remote subsites are rerouted through the secondary prime site to the primary prime site.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 2

VERSION #1.040

2. TEST

- Step 1. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Observe that RADIO-2 receives the audio. Dekey RADIO-1.
- Step 2. Disconnect the AC power cord from the Ethernet Backhaul Switch at the primary prime SITE 1.
- Step 3. Observe that appropriate alarms occur in the UEM and that SITE 1 is still in Wide Area Trunking mode of operation.
- Step 4. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Observe that RADIO-2 receives the audio. Dekey RADIO-1.
- Step 5. Reconnect the AC power cable disconnected in step 2.
- Step 6. Observe that SITE 1 continues to operate in Wide Area Trunking.
- Step 7. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Observe that RADIO-2 receives the audio.

Pass_____ Fail_____

System Reliability Features

3.1.14 Primary Prime Site Link Failure – Simulcast GEO Prime Site to Zone Core Ethernet Link

1. DESCRIPTION

This test shows that in the event of a failure of the link between the primary prime site and the zone core, the voice traffic from the primary prime site is rerouted through the secondary prime site to the zone core.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 2

VERSION #1.040

2. TEST

- Step 1. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Keep the radio keyed up until instructed to dekey. Observe that RADIO-2 receives the audio.
- Step 2. Create a site link failure (prime site to zone core) by disconnecting the Ethernet LAN cable from the Prime Site Router at the primary prime SITE 1.
- Step 3. Worst case, observe an audio hole in from RADIO-1 to RADIO-2, but that the call continues.
- Dekey RADIO-1.
- Step 4. Observe, in the Unified Event Manager, that the site link has failed.
- Step 5. Observe that the SITE 1 continues to operate in Wide Area Trunking.
- Step 6. Initiate a talkgroup call from RADIO-1 on TALKGROUP 1. Keep the radio keyed up until instructed to dekey. Observe that RADIO-2 receives the audio.
- Step 7. Reconnect the Ethernet LAN cable to the Prime Site Router at the primary prime SITE 1.
- Step 8. Observe that SITE 1 continues to operate in Wide Area Trunking.
- Step 9. Observe that RADIO-2 receives the audio from RADIO-1.
- Step 10. Dekey RADIO-1.

Pass_____ Fail_____

System Reliability Features

3.1.15 Geo-Prime Site – Primary Prime Site Failure

1. DESCRIPTION

The primary objective of this prime site configuration is to provide a highly available trunked simulcast subsystem where the failure or total destruction of a prime site location will not result in the loss of wide area radio communications for any significant period time.

This test will show that in the event of a failure of both the active and redundant DSC 8000s at the primary prime site, the DSCs at the secondary prime site will be automatically activated to restore the system back to wide area operation.

SETUP

A Virtualized Prime Site in a Geo-Prime configuration. This procedure describes a configuration of 18 channels or less (2 DSCs at each location) but can also be executed for a configuration with greater than 18 channels (4 DSCs at each location).

RADIO-1 - TALKGROUP 1 - SITE 1
RADIO-2 - TALKGROUP 1 - SITE 2 (or SITE 1 if only 1 site available)
UEM Session running on NM Client
UEM indicates the primary prime site is active.

VERSION #1.020

2. TEST

- Step 1. Initiate a talkgroup call from RADIO-1. Observe that RADIO-2 receives the audio.
- Step 2. Disconnect the power cord from DSC1 and DSC2 at the primary prime site.
- Step 3. Observe that the call is dropped and appropriate alarms occur in the UEM.
- Step 4. Observe that SITE 1 returns to the Wide Area Trunking mode of operation after a brief outage.
- Step 5. Initiate a talkgroup call from RADIO-1. Observe that RADIO-2 receives the audio.
- Step 6. Dekey RADIO-1.
- Step 7. Reconnect the power cord to DSC1 and DSC2 at the primary prime site.
- Step 8. Observe that SITE 1 returns to the Wide Area Trunking mode of operation after a brief transition to Site Trunking.
- Step 9. Initiate a talkgroup call from RADIO-1. Observe that RADIO-2 receives the audio.
- Step 10. Dekey RADIO-1.

Pass_____ Fail_____

3.1.16 Signoff Certificate

By their signatures below, the following witnesses certify they have observed the system Acceptance Test Procedures.

Signatures

WITNESS: _____ Date: _____

Please Print Name: _____

Initials:

Please Print Title: _____

WITNESS: _____ Date: _____

Please Print Name: _____

Initials:

Please Print Title: _____

WITNESS: _____ Date: _____

Please Print Name: _____

Initials:

Please Print Title: _____

Section 4

Advanced Plus Services

4.1 Overview

Motorola Solutions is proposing our Advanced Plus Services for ASTRO[®] 25 infrastructure, a comprehensive program to sustain the long-term performance of Cortland County's network. Advanced Plus Services consists of the following elements:

- Network Event Monitoring.
- Remote Technical Support.
- Network Hardware Repair.
- Remote Security Update Service (RSUS).
- OnSite Infrastructure Response.
- Annual Preventive Maintenance.
- Network Updates.

Together, these elements will help to avoid operational disruptions and maintain the value of Cortland County's communications investment.

4.2 Advanced Plus Services Element Descriptions

The following sections describe the elements proposed for Cortland County's ASTRO 25 infrastructure.

4.2.1 Network Event Monitoring

Motorola Solutions will continuously monitor Cortland County's ASTRO 25 network to detect potential issues or communications outages, maximizing network uptime. Motorola Solutions assesses each alert with advanced event detection and correlation algorithms to determine how to respond. Potential responses include remote restoration or dispatching a local field technician to resolve the incident on-site.

4.2.2 Remote Technical Support

Motorola Solutions' Centralized Managed Support Operations (CMSO) will provide Remote Technical Support for infrastructure issues that require specific technical expertise. Experienced technical support specialists will be available to consult with Cortland County to help diagnose, troubleshoot, and resolve infrastructure issues. Service Desk maintenance procedures and incident resolution techniques are based on ISO 9001 and TL 9000 standards.

4.2.3 Network Hardware Repair

To restore Cortland County's ASTRO 25 network components if they malfunction, Motorola Solutions will repair Motorola Solutions-provided infrastructure equipment. This includes select third-party infrastructure equipment supplied by Motorola Solutions. Motorola Solutions will ship and return repaired equipment, and will coordinate the repair of third-party solution components.

4.2.4 Remote Security Update Service

Commercial security software updates are often designed without consideration for specialized systems like radio communications networks. These updates may inadvertently disrupt ASTRO 25 network operations and functionality.

To minimize cyber risks and software conflicts, Motorola Solutions provides the Remote Security Update Service (RSUS). With this service, Motorola Solutions deploys antivirus and operating system security updates on an ASTRO 25 network in a dedicated information assurance lab to test and validate them for use with ASTRO 25 networks.

Motorola Solutions tests whether applying these security updates degrades network service. If an update degrades performance, Motorola Solutions searches for a solution or workaround to address the issue before releasing that update.

With RSUS, Motorola Solutions will remotely install tested updates on Cortland County's ASTRO 25 network. If there are any recommended configuration changes, warnings, or workarounds, Motorola Solutions will provide detailed documentation on a secured extranet website.

4.2.5 OnSite Infrastructure Response

Motorola Solutions will provide repair service from trained and qualified technicians. Once dispatched, technicians will travel to Cortland County's ASTRO 25 network location to diagnose issues and restore functionality. These technicians will run diagnostics on hardware to identify defective components, and repair or replace them as appropriate. Infrastructure Response times are based on a given issue's impact on overall system function.

Travel times and service levels are governed by local geography. Motorola Solutions will provide additional information in the Statement of Work for ASTRO 25 Advanced Plus Services and in the Customer Support Plan agreed between Cortland County and Motorola Solutions.

4.2.6 Annual Preventive Maintenance

Motorola Solutions will annually test and service network components. Qualified field technicians will perform routine hands-on examination and diagnostics of network equipment to keep them operating according to original manufacturer specifications.

4.2.7 Network Updates

The Network Updates service provides public safety radio system release updates on a consistent, budgeted plan. These updates maintain reliable network operations and cybersecurity protection. In addition, Network Updates keeps Cortland County's ASTRO 25 network compatible with expansion

elements, as well as new products or features. With Network Updates, Cortland County's network will remain on a release that qualifies for support services.

Motorola Solutions will deliver updates based on a predefined cadence of upgrade windows, with up to one update in each window. The Network Updates service includes the following:

- **Software Release Updates** - Motorola Solutions-certified software that improves network functions over previous releases. This also includes commercial operating system and application software updates.
- **Hardware Update** – When needed to support a software release update, Motorola Solutions provides new hardware. New hardware will both support the new software update, as well as maintain existing functions and features.
- **Professional Implementation Services** – Motorola Solutions will plan and implement updates at Cortland County's site. This includes factory integration, testing, and supply chain management for new software and hardware.

With these services, Cortland County will have access to the technology, support, and planning expertise needed for an effective upgrade.

4.3 Motorola Solutions Service Delivery Ecosystem

Advanced Plus Services are delivered through a tailored combination of field service personnel, centralized teams, product repair depots, and MyView Portal. These service resources will collaborate to swiftly analyze network issues, accurately diagnose root causes, and efficiently resolve issues to return the network to normal operation.

Motorola Solutions services will be delivered by staff experienced in servicing mission-critical networks. Motorola Solutions uses the Information Technology Infrastructure Library (ITIL) framework to define service tasks based on industry-recognized best practices. As staff perform tasks, service incident information will be available to Cortland County's administrators and personnel through MyView Portal.

Service activities and Motorola Solutions' service team are described in more detail below.

4.3.1 Centralized Managed Support Operations

The cornerstone of Motorola Solutions' support process is the Centralized Managed Support Operations (CMSO) organization. This TL 9000/ISO 9001-certified organization is staffed 24x7x365 by experienced service desk specialists, security analysts, and operations managers. The CMSO houses critical central functions, including the Service Desk.

The CMSO Service Desk will serve as a single point of contact for services. It processes service requests, service incidents, change requests, and dispatching. The Service Desk communicates necessary information to stakeholders, bridging communications among Cortland County, Motorola Solutions, and third-party subcontractors.

Service Desk teams record, track, and update incidents through the Motorola Solutions Customer Relationship Management (CRM) system. They document and respond to inquiries, requests, concerns, and service tickets. When an incident is initiated, the CMSO will engage with teams to

resolve that incident. The CMSO will escalate to new teams when needed. Depending on the incident, the CMSO will coordinate incident resolution with local field service and authorized repair depots.

4.3.2 Field Service

Motorola Solutions authorized and qualified field service technicians will perform the OnSite Infrastructure Response service, repair malfunctioning hardware in the field, and conduct preventive maintenance tasks. These technicians will coordinate with the Service Desk, technical support teams, and product engineering as needed to resolve incidents.

4.3.3 Repair Depot

The Motorola Solutions Repair Depot will provide Cortland County with a central repair location. This will eliminate the need to send network equipment to multiple vendor locations for repair. Motorola Solutions tracks products sent to the Depot via a case management system throughout the repair process. This system will enable Cortland County's representatives to check repair status, from inbound shipment to return.

4.3.4 Customer Support Manager

A Motorola Solutions Customer Support Manager (CSM) will be Cortland County's key point of contact for the definition and administration of services. The CSM will work with Cortland County to define service delivery details to address Cortland County's specific priorities.

Section 5

Equipment List

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM0323	ASTRO MASTER SITE
1	CA03517AC	ADD: CORE EXPANSION
2	CA01316AA	ADD: UNC ADDTL DEVICE LIC (QTY 10)
1	T8492	SITE ROUTER & FIREWALL- AC
1	CA03445AA	ADD: MISSION CRITICAL HARDENING
1	CA03448AA	ADD: STATEFUL FIREWALL
1	T8492	SITE ROUTER & FIREWALL- AC
1	CA03445AA	ADD: MISSION CRITICAL HARDENING
1	CA03448AA	ADD: STATEFUL FIREWALL
1	THN1013	RACK 7.5' OPEN
1	SQM01SUM0320	VIRTUALIZED PRIME SITE
1	CA03523AA	ADD: REPLACEMENT PRIME SITE
1	CA03525AA	ADD: HW SUPPORT UP TO 18 CARRIERS
7	UA00702AA	ADD: TRUNKING MULTISITE VOTING LICENSE, PER CARRIER
7	UA00703AA	ADD: CREDIT TRUNKING MULTISITE VOTING LICENSE, PER CARRIER
1	UA00704AA	ADD: MULTISITE PRIME TRUNKING LICENSE
1	UA00705AA	ADD: CREDIT MULTISITE PRIME TRUNKING LICENSE
1	CA03749AA	ADD: ASTRO SYSTEM RELEASE 2021.1
1	CA03530AA	ADD: EXTERNAL TIMING REFERENCE
1	CA03532AA	ADD: PRIME SITE DC POWER
1	CA03546AA	ADD: SINGLE JUNIPER SRX1500
1	CA03552AA	ADD: SINGLE BACKHAUL SWITCH
1	DS219593	BREAKER DISTRIBUTION PANEL-/+ 24/48, 1U 6/6P
2	DSCBB020E	CIRCUIT BREAKER, 20 AMP, E TRIP
6	DS083E21959800	BRKR 5A 1P CR15 SNAPAK
2	DSTRAK91061	FOUR PORT DDM
1	SQM01SUM0320	VIRTUALIZED PRIME SITE
1	CA03524AA	ADD: NEW PRIME SITE
1	CA03525AA	ADD: HW SUPPORT UP TO 18 CARRIERS
7	UA00702AA	ADD: TRUNKING MULTISITE VOTING LICENSE, PER CARRIER

QTY	NOMENCLATURE	DESCRIPTION
1	UA00708AA	ADD: MULTISITE GEO-REDUNDANT PRIME TRUNKING LICENSE
1	CA03749AA	ADD: ASTRO SYSTEM RELEASE 2021.1
1	CA03529AA	ADD: INT. GPS TIMING REFERENCE
1	UA00707AA	ADD: DSC INTERNAL RUBIDIUM LIC
2	PMUG1017A	GNSS REMOTE RECEIVER ASSY
2	DS30C87465CO1	125' OUTDOOR UV PROTECTED CABLE 6 PR, 22AWG DB15
1	CA03546AA	ADD: SINGLE JUNIPER SRX1500
1	CA03552AA	ADD: SINGLE BACKHAUL SWITCH
1	CA03531AA	ADD: PRIME SITE AC POWER
1	CA03533AA	ADD: DSC AC POWER CABLE - US, 12 FT
1	DS11011188	PDU, 120/240 SPLIT PH OR N+1 REDUNDANT, 60A MAX PER PHASE, SIX DEDICAT
12	DS3750297	BREAKER, 15 AMP, CB UL 489 LISTED FOR AC EDGE II (1101-1188)
8	CLN1868	2930F 24-PORT SWITCH
8	CLN1866	FRU: 1M DAC CABLE
8	T8547	SITE ROUTER & FIREWALL- DC
8	CA03445AA	ADD: MISSION CRITICAL HARDENING
8	CA03448AA	ADD: STATEFUL FIREWALL
8	DS083E21959800	BRKR 5A 1P CR15 SNAPAK
2	DS083E21959800	BRKR 5A 1P CR15 SNAPAK
1	DLN1444A	FRE: DSC 8000
1	DLN8001	FRU: DSC 8000 AC POWER SUPPLY
1	DLN1445A	FRE: DSC 8000, W/ RUBIDIUM
1	DLN8030	FRU: AC POWER SUPPLY RACK MOUNT CHASSIS ONLY
2	T8547	SITE ROUTER & FIREWALL- DC
2	CA03445AA	ADD: MISSION CRITICAL HARDENING
2	CA03448AA	ADD: STATEFUL FIREWALL
2	CLN1868	2930F 24-PORT SWITCH

Section 6

Pricing

6.1 Pricing Summary

Motorola Solutions is pleased to provide the following equipment and services to Cortland County.

6.1.1 Pricing Geo-Redundant Prime Site

Item	Description	Cost
	Equipment	
1	Equipment List Price:	\$497,213.00
	Less OGS Discount:	-\$90,256.00
	Sub Total Equipment Less OGS Discount:	\$406,957.00
	Services	
2	Installation, Integration, Network Services, System Optimization, Pre and Post-Sale Engineering, PM Services & ATP	
	Sub Total Services:	\$451,895.00
	System Total Cost:	\$858,852.00
	Less System Discount:	-\$85,000.00
	System Total Cost After Discount:	\$773,852.00
	Extended Warranty Years 2 through 4:	<u>\$159,795.00</u>
	System Total Cost Including Extended Warranty	\$933,647.00

Pricing of all Equipment Hardware, Software, Installation, Integration, Optimization, and Warranty Services are consistent with NYS-OGS Contract # PT68722 Equipment and Services.

6.2 Payment Terms

The Customer will make payments to Motorola Solutions within thirty (30) days after the date of each invoice. Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution and in accordance with the following milestones:

1. 10% of the Contract Price upon Completion of Customer Project Review;
2. 50% of the Contract Price upon Shipment;
3. 35% of the Contract Price upon Completion of Installation; and
4. 5% of the Contract Price upon Final Acceptance.

Motorola Solutions reserves the right to invoice for installations completed on a site-by-site basis, when applicable.

LEASE

THIS LEASE AGREEMENT made as of the 25 day of August, 2006 by and between **CORTLAND COUNTY**, a municipal corporation organized and existing under the laws of the State of New York, with its principal offices located at 60 Central Avenue, Cortland, New York 13045 (hereinafter referred to as the "County") and New York State Electric & Gas Corp., doing business as NYSEG, with its principal offices located at 18 Link Drive, Binghamton, NY, (hereinafter referred to as "Tenant")

WITNESSETH:

WHEREAS, the County is the owner of certain property located on Tower Road in the Town of Virgil known as the Virgil Communications Tower Site (the "Tower Site"), and

WHEREAS, the County has the right to lease space in the building (the "Building") and on its tower (the "Tower") to other public and private agencies or holders of valid Federal Communications Commission (FCC) licenses, and

WHEREAS, the Tenant represents that it is the holder of valid licenses, permits, certificates, and approvals from the FCC, the New York Public Service Commission (PSC), and all other governmental agencies having jurisdiction, to transmit and receive communications within and without Cortland County.

NOW, THEREFORE, the parties hereto agree as follows:

- The County hereby leases to Tenant, for the purpose of allowing and permitting Tenant to erect, install, operate, inspect, repair, maintain and remove communications transmission and reception equipment and facilities as authorized by Tenant's FCC license, PSC Certificate of Public Convenience and Necessity, the following: (a) a portion of the Building for the installation of transmission equipment as shown on Exhibit B hereto and (b) space on the Tower of sufficient size for installation of Tenant's antennas as shown on Exhibit C hereto.

The Tenant's securing of any and all permits and approvals from governmental agencies having jurisdiction. The Tenant shall be solely responsible for obtaining all such governmental permits and approvals, and the County agrees to cooperate with Tenants in securing the same.

- The County also grants to Tenant the non-exclusive right, in common with other leases, to: (a) utilize existing roads, paths or right-of-ways on said property for ingress and egress to the Building and Tower; and (b) use the County's existing power line structures to install and maintain power lines, telephone lines, cables and wires to said building and/or tower, all provided that (1) Tenant obtains permission to install and maintain such lines, cables and wires from any other person or entity having authority thereof, if any, and (2) the same do not interfere with or otherwise adversely affect the County's radio facilities and systems, and/or those of other users of the Building and Tower, that existed on the Property prior to

Tenant's use of the Property and are consented to by the County's Director of Fire and Emergency Services.

- The term of this Lease Agreement shall be for an initial term of two (2) years commencing October 1, 2006 to September 30, 2008, and three successive five (5) year options to renew. Upon expiration of this Lease Agreement, and unless this agreement is renewed or extended by mutual agreement of the parties, (a) all improvements made by Tenant to the premises or to the Tower, and power line structures shall become the property of the County, and (b) the premises shall be returned to the County in the same condition as they were in at the commencement of this Lease Agreement, reasonable wear and tear excepted, provided, however, Tenant's antennas, cables and other equipment, are hereafter collectively referred to as "Tenant's Installations", will remain, at all times, Tenant's property, whether or not Tenant's Installations would be deemed to be fixtures under local law, and upon termination of this Lease Agreement, Tenant shall remove the same.
- The Tenant agrees to pay to the County the monthly rental fee during each such two year term the amount of \$1,400 per month, the same to be paid in advance on or before the 1st day of each month of the term of this Lease Agreement, with the first such payment being made upon execution hereof.
- The Tenant agrees to procure and maintain in force during the term of this Lease Agreement, at its expense, liability insurance in an amount of at least \$1,000,000.00 per occurrence, naming the County of Cortland as an additional insured, insuring against injury to persons or property, and death, arising out of or in connection with this Lease, as well as fire and multi-peril insurance coverage on its equipment and property.
- Tenant shall defend, indemnify and hold harmless the County from and against any and all liability, suits, causes of action, and claims, including but not limited to those for bodily injury, property damage, death, and reasonable attorney's fees, arising out of or in connection with Tenant's negligence and/or its' performance or failure to perform this Lease Agreement.
- The Lease Agreement may be canceled by either party upon six (6) months prior written notice as follows:
 - (a) By either party upon a default of any covenant or term hereof by the other which is not cured within sixty (60) days of receipt of written notice of default (without, however, any limitation of any other rights of the parties pursuant to any other provisions of this Lease Agreement).
 - (b) If the approval of any agency, board, court, or other governmental authority necessary for the use or occupancy of the Tower Site, or the construction or operation of Tenant's Installation or the driveway cannot be obtained, or is revoked, or if Tenant determines the cost of obtaining such approvals is prohibitive.
 - (c) If Tenant determines that the Tower Site is not appropriate for locating Tenant's Installation for environmental or technological reasons, including, but not limited to, signal interference.

(d) By Tenant of the Tower Site, or Tenant's Installation thereon, are destroyed or damaged beyond reasonable repair due to causes beyond control of the Tenant.

- Tenant agrees that the erection, installation, operation, inspection, repair, maintenance and removal of Tenant's Installation, its use of existing roads, paths or right-of-ways on said property for ingress to the Building and Tower, its use of the County's existing power line structures to install and maintain power lines, telephone lines, cables and wires to said Building and/or Tower, and its use of the 24 channels of the County's existing microwave relay will not interfere with or otherwise affect the County's, any other Lessee's existing on the Tower Site prior to the Tenant's use of the Tower Site, and/or the County's radio facilities, systems or/licenses.

In the event that the Tenant desires to relocate utility poles, wires or cables owned by the County, the Tenant shall obtain the County's written consent therefor prior to the filing of any applicable applications for governmental permits. The County's consent shall not be unreasonably delayed or withheld. All costs and expenses related to such relocation shall be paid solely by the Tenant.

- The Tenant shall promptly advise the County of all damages to property of the County or of others, or of injuries incurred by persons other than employees of the Tenant, in any manner relating, either directly or indirectly, to the performance of this Lease Agreement.
- Disputes involving this Lease Agreement, including the breach or alleged thereof, may not be submitted to binding arbitration, but must, instead, be heard in a court of competent jurisdiction within the State of New York.
- The Tenant shall not have the right, without the County's prior written consent, to mortgage, assign and/or pledge this Lease Agreement; and specifically the Tenant shall not have the absolute and unconditional right to grant to any person or entity a security interest in some or all of the Tenant's furniture, fixtures or equipment to be utilized in connection with this Lease Agreement and located at the Tower Site, except for the purpose of financing its equipment or the operation of its business, and to record against the Tenant's interest in the Tower Site any instrument or documents as may therefore be required. Each such assignment, mortgage and/or pledge shall be expressly subject to the provisions of this Lease Agreement. The County agrees to execute, upon Tenant's request, such instruments and documents as may be reasonably necessary for Tenant to consummate the financing contemplated by this paragraph.

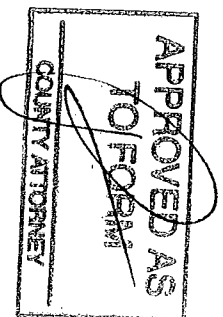
- Except as provided in the Section above, this Lease Agreement shall not be subcontracted, transferred, conveyed, sublet or otherwise disposed of in whole or in part, by Tenant, without prior written consent of the County, which consent shall not be unreasonably withheld or delayed.

- Whenever the term "Tenant" is used in this agreement, such term shall include and apply to all employees, officers, directors, partners and agents, if any, of Tenant.

IN WITNESS WHEREOF, the Tenant and the County have hereunto set their hands and seals the day and year first above written.

COUNTY OF CORTLAND

BY: Merideth Johnson



NEW YORK STATE ELECTRIC & GAS CORPORATION

000

BY: Michael D. Carney

STATE OF NEW YORK)
COUNTY OF BROOME) ss:
Cortland

On the 25th day of August in the year 2006, before me, the undersigned, a Notary Public in and for said State, personally appeared Martine E Brown, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity (ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person* upon behalf of which the individual(s) acted, executed the instrument.

Kathina J. Spicer
Notary Public, State of New York
No. 01SP6122368
Qualified in Cortland County
Commission Expires February 7, 2009

Kathina J. Spicer
Notary Public

"For the purposes of this section, the term "person" means any corporation, joint stock company, estate, general partnership (including any registered limited liability partnership or foreign limited liability partnership), limited liability company (including a professional service limited liability company), foreign limited liability company (including a foreign professional service limited liability company), joint venture, limited partnership, natural person, attorney in fact, real estate investment trust, business trust or other trust custodian, nominee or any other individual or entity in its own or any representative capacity."

STATE OF NEW YORK)
COUNTY OF BROOME) ss:

On the 30th day of June in the year 2006, before me, the undersigned, a Notary Public in and for said State, personally appeared Michael H. Conroy, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity (ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person* upon behalf of which the individual(s) acted, executed the instrument.

Debra Marcello
Notary Public, State of New York
Broome County 01MA4648493
Commission Expires 5/31/07
Debra Marcello
Notary Public

* "For the purposes of this section, the term "person" means any corporation, joint stock company, estate, general partnership (including any registered limited liability partnership or foreign limited liability partnership), limited liability company (including a professional service limited liability company), foreign limited liability company (including a foreign professional service limited liability company), joint venture, limited partnership, natural person, attorney in fact, real estate investment trust, business trust or other trust custodian, nominee or any other individual or entity in its own or any representative capacity."

No. 6292-13

Res. No. _____

Date submitted: 9/12/13

Contract with/for: Addendum to lease - NYSEG Virgil Tower

Contract entered on log on: 9/12/13

1 – Resolution and contract given to County Attorney on: 9/12/13

b. Assigned to Assistant County Attorney: _____ on _____

2 - Approved ☒ Yes on 9/23/13 9/23/13
☐ No see comments below

3 – Given to Chairman for signature on: _____

4- Returned to department on: _____

Comments: _____

Scanned 10/16/13



ADDENDUM TO LEASE AT PAGE GREEN ALT - CORTLAND NY NYSEG

LESSEE: New York State Electric and Gas Corporation - LF 43-2035

When signed and witnessed by both parties, this addendum will be considered a legal and binding addition to the existing lease and will amend that lease in the following instances:

1. Extension on existing lease from 10/01/2006 to 09/30/2013

Renewal Period: From 10/01/2013 to 09/30/2018
Rate Per Month: \$2000.00

2. Additional Five Year Renewal Period: From 10/01/2018 to 09/30/2023
Rate Per Month: \$2040.00

3. Rentals will be payable monthly

NYSEG
LESSEE

Cortland County
LESSOR

By: [Signature]
Manager of Real Estate

By: [Signature]

WITNESS:
[Signature]

WITNESS:
[Signature]

Lessee's Address:
NYSEG
Attn: Real Estate
1387 Dryden Road
Ithaca, NY 14850

Lessor's Address:
Cortland County
Attn: Edward R. Purser
60 Central Avenue
Cortland, NY 13045

Dated: 9/30/13

Lease Cortland County to NYSEG
LF43-2035



4425 Old Vestal Road, P.O. Box 3607, Binghamton, NY 13902-3607



A virtual opportunity employer

Attachment: Virgil, NY Addendum_ext (11558 : Authorize Rental Agreement with NYSEG - Department of Emergency Response)

STATE OF NEW YORK

Cal. No. 1056

6749--B

2023-2024 Regular Sessions

IN SENATE

May 8, 2023

Introduced by Sens. RIVERA, MAY, WEBB -- read twice and ordered printed, and when printed to be committed to the Committee on Health -- committee discharged, bill amended, ordered reprinted as amended and recommitted to said committee -- reported favorably from said committee, ordered to first and second report, ordered to a third reading, amended and ordered reprinted, retaining its place in the order of third reading

AN ACT to amend the public health law, in relation to establishing a community-based paramedicine demonstration program; and providing for the repeal of such provisions upon expiration thereof

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. The public health law is amended by adding a new section 3018 to read as follows:

§ 3018. Community-based paramedicine demonstration program. 1. The department shall establish a community paramedicine demonstration program to evaluate the role of emergency medical services personnel in the delivery of health care services in the community in non-emergent settings.

2. For purposes of this section, "emergency medical services personnel" shall mean an emergency medical technician, or an advanced emergency medical technician as defined in this article.

3. This program shall authorize mobile integrated and community paramedicine programs presently operating and approved by the department as of May eleventh, two thousand twenty-three, under the authority of Executive Order Number 4 of two thousand twenty-one, entitled "Declaring a Statewide Disaster Emergency Due to Healthcare Staffing Shortages in the State of New York" to continue in the same manner and capacity as currently approved for a period of two years following the effective date of this section.

4. Such program shall include but not be limited to:

EXPLANATION--Matter in italics (underscored) is new; matter in brackets [-] is old law to be omitted.

LBD11015-11-3

1 (a) authorizing emergency medical services personnel to provide
2 services within their scope of practice beyond settings currently
3 authorized.

4 (b) authorizing emergency medical service personnel to provide commu-
5 nity paramedicine, use alternative destinations, telemedicine to facili-
6 tate treatment of persons in place, and such other services as may be
7 approved by the commissioner.

8 (c) authorizing emergency medical services personnel providing commu-
9 nity paramedicine services, with prior approval of the department, to
10 administer vaccinations against influenza and COVID-19 pursuant to non-
11 patient specific orders and under the medical direction of a licensed
12 physician.

13 (d) nothing in this section shall be deemed to allow a person to
14 provide any service for which a license, registration, certification or
15 other authorization under title eight of the education law is required
16 and which the person does not possess, provided that any service being
17 excluded pursuant to this paragraph shall not include a service that is
18 within the scope of practice for the respective emergency medical
19 services personnel.

20 5. Upon the effective date of this section, the department shall
21 convene a stakeholder advisory panel including patient representatives,
22 health care facilities operating or utilizing community paramedicine
23 programs, emergency medical services providers and labor organizations
24 representing emergency medical services personnel, and labor organiza-
25 tions representing nursing and other healthcare professional titles
26 affected by the demonstration program flexibilities to advise the
27 department to make recommendations on regulations and guidance that
28 will:

29 (a) evaluate patient safety and standards of care for community param-
30 edicine programs participating in the demonstration program;

31 (b) establish criteria setting forth permitted tasks that can be
32 performed by each category of emergency medical services personnel;

33 (c) establish minimum training and competencies required for emergency
34 medical services personnel to provide patient care services; and

35 (d) work with the department to issue such regulations and guidelines
36 within ninety days following the assembly of the advisory panel.

37 6. The department shall submit a report on the demonstration program
38 on an annual basis to the speaker of the assembly, the temporary presi-
39 dent of the senate, the chairs of the assembly and senate health commit-
40 tees, and the governor.

41 § 2. This act shall take effect immediately and shall expire and be
42 deemed repealed 2 years after such date; provided, however, that if this
43 act shall have become a law on or after May 22, 2023 this act shall take
44 effect immediately and shall be deemed to have been in full force and
45 effect on and after May 22, 2023.

07/03/23
11:53DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
CAD Calls by Day and Time4402
Page: 1

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
00:00-00:59	45	36	32	42	57	33	39	284
01:00-01:59	34	37	39	59	69	49	41	328
02:00-02:59	31	43	37	44	53	51	42	301
03:00-03:59	28	33	25	28	49	41	18	222
04:00-04:59	24	18	28	27	32	25	29	183
05:00-05:59	32	19	19	23	32	27	17	169
06:00-06:59	14	13	13	36	25	27	21	149
07:00-07:59	24	20	22	27	24	17	23	157
08:00-08:59	35	32	35	60	44	21	23	250
09:00-09:59	37	59	56	79	69	34	42	376
10:00-10:59	56	54	55	80	65	33	54	397
11:00-11:59	49	68	50	59	66	33	36	361
12:00-12:59	53	62	44	63	64	60	36	382
13:00-13:59	48	56	42	52	56	46	38	338
14:00-14:59	44	74	48	60	50	43	56	375
15:00-15:59	42	44	47	62	93	49	43	380
16:00-16:59	40	56	40	60	68	46	33	343
17:00-17:59	36	44	40	71	65	67	38	361
18:00-18:59	33	42	46	64	40	56	41	322
19:00-19:59	47	47	31	56	65	52	48	346
20:00-20:59	30	37	46	67	63	57	31	331
21:00-21:59	29	38	36	65	88	61	52	369
22:00-22:59	33	26	40	53	76	40	35	303
23:00-23:59	36	31	33	50	63	38	37	288
Total by Day	880	989	904	1287	1376	1006	873	7315

Report Includes:

All reported dates between `00:00:00 06/01/23` and `23:59:59 06/30/23`

All nature of incidents

All respond to addresses

All respond to cities

All agencies

*** End of Report /tmp/rpt8oWCsQ-rpcdcdt.r1_1 ***

Attachment: June 2023 CAD calls by hour day (11559 : June 2023 Department of Emergency Response & Communications Report)

07/03/23
11:51

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
Total CAD Calls Received, by Nature of Call

4402
Page: 1

Nature of Call	Total Calls Received	% of Total
-----	-----	-----
	2	0.03
911 HANG UP	190	2.60
911 NOT DISPATCHED	207	2.83
911 OPEN LINE	137	1.87
ABDOMINAL PAIN	8	0.11
ABDOMINAL PAIN II	8	0.11
ADMINISTRATIVE	112	1.53
POLICE ALARM	61	0.83
ALCOHOL OFFENSE	4	0.05
ALLERGIC REACTION	2	0.03
ALLERGIC REACTION II	2	0.03
ANIMAL PROBLEM	143	1.95
ANIMAL BITE II	1	0.01
ARREST VI	4	0.05
ARREST X	4	0.05
ASSAULT	5	0.07
ASSAULT VI	1	0.01
ASSIST	256	3.50
ATTEMPT TO LOCATE	22	0.30
FIRE ALARM	48	0.66
BACK PAIN	2	0.03
BACK PAIN II	6	0.08
TROUBLE BREATHING	43	0.59
GRASS/BRUSH FIRE	5	0.07
BURGLARY	21	0.29
CARBON MONOXIDE	3	0.04
CHEST PAIN	39	0.53
CHEST PAIN II	4	0.05
CITY CODE VIOLATION	1	0.01
CIVIL ONLY	146	2.00
CRIMINAL MISCHIEF	28	0.38
SPECIAL DETAIL	117	1.60
DIABETIC PROBLEM	1	0.01
DIABETIC PROBLEM II	1	0.01
DIABETIC PROBLEM III	1	0.01
DISORDERLY CONDUCT	78	1.07
DISTURBANCE	110	1.50
DOMESTIC	54	0.74
DRUG INVESTIGATION	10	0.14
DSS ASSIST/HOME VISIT	17	0.23
DSS NOTIFICATION	36	0.49
ILLEGAL DUMPING	5	0.07
EMERGENCY BUTTON ACTIVATION	1	0.01
EMOTIONALLY DISTURBED PERSON	55	0.75
EMS	4	0.05
EQUIPMENT PROBLEM	2	0.03
EXPOSURE II	1	0.01
EYE II	1	0.01
FALL	9	0.12
FALL II	59	0.81
FALL IX	1	0.01
FIELD INVESTIGATION	115	1.57
OUTSIDE FIRE	15	0.21
FOLLOW UP INVESTIGATION/ACTIO	446	6.10
FOUND PROPERTY	37	0.51

Attachment: June 2023 CAD calls by nature type (11559 : June 2023 Department of Emergency Response & Communications Report)

07/03/23
11:51

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
Total CAD Calls Received, by Nature of Call

4402
Page: 2

Nature of Call	Total Calls Received	% of Total
-----	-----	-----
FRAUD	35	0.48
HARASSMENT	121	1.65
HAZARDOUS CONDITION	10	0.14
HEADACHE II	2	0.03
HEART	2	0.03
HEART II	2	0.03
HEMORRHAGE	4	0.05
HEMORRHAGE II	12	0.16
INFORMATION	2	0.03
INHALATION III	1	0.01
INVESTIGATION	67	0.92
JAIL INVESTIGATION	2	0.03
JUVENILE PROBLEM	26	0.36
LARCENY	96	1.31
LIFTING ASSISTANCE	12	0.16
LOST PROPERTY	39	0.53
MISSING PERSON	8	0.11
NOISE COMPLAINT	26	0.36
NOTIFICATION	30	0.41
OVERDOSE/POISONING II	1	0.01
OVERDOSE/POISONING III	3	0.04
OVERDOSE/POISONING VI	1	0.01
OVERDOSE/POISONING VII	1	0.01
OPEN DOOR	9	0.12
COMMUNITY OUTREACH	44	0.60
PARKING COMPLAINT	34	0.46
PROPERTY DAMAGE MVA	149	2.04
PERSONAL INJURY MVA	26	0.36
PERSONAL INJURY MVA IX	1	0.01
PREGNANCY	4	0.05
PROCESSING	6	0.08
PROPERTY CHECK	1872	25.59
REPOSSESSION	11	0.15
ROBBERY	1	0.01
SEIZURES	13	0.18
SEIZURES II	7	0.10
SEND	18	0.25
SERVICE CALL	21	0.29
SEX CRIME	7	0.10
SEX OFFENDER	21	0.29
SHOTS FIRED	3	0.04
SICK PERSON	19	0.26
SICK PERSON II	54	0.74
STOLEN VEHICLE	11	0.15
STROKE	14	0.19
STRUCTURE FIRE	11	0.15
SUSPICIOUS	73	1.00
TEST CALL	8	0.11
TRAFFIC PROBLEM	64	0.87
TRANSFER	6	0.08
TRANSPORT	137	1.87
TRAUMATIC	1	0.01
TRAUMATIC II	8	0.11
TREE DOWN	13	0.18
TRESPASSING	67	0.92

Attachment: June 2023 CAD calls by nature type (11559 : June 2023 Department of Emergency Response & Communications Report)

07/03/23
11:51

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
Total CAD Calls Received, by Nature of Call

4402
Page: 3

Nature of Call	Total Calls Received	% of Total
TRAFFIC STOP	1029	14.07
UNCONSCIOUS/FAINTING	17	0.23
UNCONSCIOUS/FAINTING II	3	0.04
UNKNOWN PROBLEM	13	0.18
VEHICLE COMPLAINT	109	1.49
VEHICLE FIRE	2	0.03
WARRANT ARREST	18	0.25
WATER PROBLEM/PUMPING DETAIL	6	0.08
PERSON WITH A WEAPON	8	0.11
WELFARE CHECK	171	2.34
WIRES DOWN	12	0.16

Total Calls:	7315	

Report Includes:

All dates between `00:00:00 06/01/23` and `23:59:59 06/30/23`
 All nature of incidents
 All cities
 All types
 All priorities
 All agencies

*** End of Report /tmp/rpt90tsuA-rpcdtccr.r1_1 ***

08/01/23
08:59

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
Total CAD Calls Received, by Nature of Call

4402
Page: 1

Nature of Call -----	Total Calls Received -----	% of Total -----
	1	0.01
911 HANG UP	189	2.44
911 NOT DISPATCHED	138	1.79
911 OPEN LINE	89	1.15
ABDOMINAL PAIN	1	0.01
ABDOMINAL PAIN II	13	0.17
ADMINISTRATIVE	134	1.73
POLICE ALARM	83	1.07
ALCOHOL OFFENSE	1	0.01
ANIMAL PROBLEM	144	1.86
ARREST VI	2	0.03
ARREXT X	2	0.03
ASSAULT	3	0.04
ASSIST	312	4.04
ATTEMPT TO LOCATE	48	0.62
FIRE ALARM	66	0.85
BACK PAIN	2	0.03
BACK PAIN II	6	0.08
BAR CHECK	1	0.01
TROUBLE BREATHING	40	0.52
TROUBLE BREATHING III	3	0.04
BURGLARY	21	0.27
BURNS	1	0.01
CARBON MONOXIDE	12	0.16
CHEST PAIN	43	0.56
CHEST PAIN II	1	0.01
CHOKING	1	0.01
CITY CODE VIOLATION	1	0.01
CIVIL ONLY	151	1.95
CRIMINAL MISCHIEF	33	0.43
SPECIAL DETAIL	106	1.37
DIABETIC PROBLEM	7	0.09
DIABETIC PROBLEM II	2	0.03
DIABETIC PROBLEM III	1	0.01
DISORDERLY CONDUCT	68	0.88
DISPATCHER DUTY	3	0.04
DISTURBANCE	110	1.42
DOMESTIC	88	1.14
DRUG INVESTIGATION	21	0.27
DSS ASSIST/HOME VISIT	20	0.26
DSS NOTIFICATION	71	0.92
ILLEGAL DUMPING	8	0.10
EMERGENCY BUTTON ACTIVATION	4	0.05
EMOTIONALLY DISTURBED PERSON	52	0.67
EMS	4	0.05
EQUIPMENT PROBLEM	11	0.14
EXPOSURE II	2	0.03
EYE II	5	0.06
FALL	5	0.06
FALL II	72	0.93
FALL IX	1	0.01
FIELD INVESTIGATION	109	1.41
OUTSIDE FIRE	17	0.22
FOLLOW UP INVESTIGATION/ACTIO	507	6.56
FOUND PROPERTY	58	0.75

Attachment: July 2023 CAD calls by nature (11591 : July 2023 DOERC Report)

08/01/23
08:59

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
Total CAD Calls Received, by Nature of Call

4402
Page: 2

Nature of Call	Total Calls Received	% of Total
-----	-----	-----
FRAUD	65	0.84
HARASSMENT	149	1.93
HAZARDOUS CONDITION	17	0.22
HEADACHE	5	0.06
HEADACHE II	1	0.01
HEART	5	0.06
HEART II	1	0.01
HEMORRHAGE	5	0.06
HEMORRHAGE II	10	0.13
INFORMATION	1	0.01
INVESTIGATION	75	0.97
JAIL INVESTIGATION	2	0.03
JUVENILE PROBLEM	33	0.43
LARCENY	127	1.64
LIFTING ASSISTANCE	6	0.08
LOST PROPERTY	24	0.31
MISSING PERSON	10	0.13
NOISE COMPLAINT	67	0.87
NOTIFICATION	32	0.41
OVERDOSE/POISONING II	1	0.01
OVERDOSE/POISONING III	2	0.03
OVERDOSE/POISONING VII	1	0.01
OVERDOSE/POISONING X	3	0.04
OPEN DOOR	11	0.14
COMMUNITY OUTREACH	43	0.56
PARKING COMPLAINT	25	0.32
PROPERTY DAMAGE MVA	125	1.62
PERSONAL INJURY MVA	22	0.28
PERSONAL INJURY MVA IX	2	0.03
PREGNANCY	3	0.04
PREGNANCY	2	0.03
PROCESSING	7	0.09
PROPERTY CHECK	1863	24.10
PSYCH V	1	0.01
REPOSSESSION	9	0.12
SEIZURES	13	0.17
SEIZURES II	6	0.08
SEND	23	0.30
SERVICE CALL	26	0.34
SEX CRIME	7	0.09
SEX OFFENDER	16	0.21
SHOTS FIRED	4	0.05
SICK PERSON	25	0.32
SICK PERSON II	52	0.67
STOLEN VEHICLE	16	0.21
STROKE	8	0.10
STRUCTURE FIRE	18	0.23
SUSPICIOUS	80	1.03
TEST CALL	12	0.16
TRAFFIC PROBLEM	72	0.93
TRANSFER	3	0.04
TRANSPORT	126	1.63
TRAUMATIC II	11	0.14
TREE DOWN	8	0.10
TRESPASSING	81	1.05

Attachment: July 2023 CAD calls by nature (11591 : July 2023 DOERC Report)

08/01/23
08:59

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
Total CAD Calls Received, by Nature of Call

4402
Page: 3

Nature of Call	Total Calls Received	% of Total
TRAFFIC STOP	1090	14.10
UNCONSCIOUS/FAINTING	14	0.18
UNCONSCIOUS/FAINTING II	5	0.06
UNCONSCIOUS/FAINTING III	1	0.01
UNKNOWN PROBLEM	11	0.14
VEHICLE COMPLAINT	121	1.57
WARRANT ARREST	34	0.44
WATER PROBLEM/PUMPING DETAIL	2	0.03
PERSON WITH A WEAPON	8	0.10
WELFARE CHECK	180	2.33
WIRES DOWN	9	0.12

Total Calls:	7731	

Report Includes:

All dates between `00:00:00 07/01/23` and `23:59:59 07/31/23`
 All nature of incidents
 All cities
 All types
 All priorities
 All agencies

*** End of Report /tmp/rpt3X6U2H-rpcdtccr.r1_1 ***

Attachment: July 2023 CAD calls by nature (11591 : July 2023 DOERC Report)

08/01/23
09:00

DEPARTMENT OF EMERGENCY RESPONSE AND COMMUNICATION
CAD Calls by Day and Time

4402

Page: 1

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
00:00-00:59	40	22	34	45	33	67	59	300
01:00-01:59	33	42	55	44	40	57	52	323
02:00-02:59	31	47	33	42	46	61	39	299
03:00-03:59	32	20	22	33	25	45	28	205
04:00-04:59	42	28	12	27	27	31	33	200
05:00-05:59	29	16	20	27	35	25	26	178
06:00-06:59	18	19	16	16	25	23	18	135
07:00-07:59	30	19	24	22	18	25	28	166
08:00-08:59	55	46	24	34	39	40	27	265
09:00-09:59	58	46	71	44	64	52	48	383
10:00-10:59	84	62	68	67	61	54	52	448
11:00-11:59	63	59	59	55	70	47	62	415
12:00-12:59	64	56	44	58	50	52	53	377
13:00-13:59	70	64	58	62	60	42	63	419
14:00-14:59	70	44	72	55	46	30	61	378
15:00-15:59	69	59	42	57	45	44	42	358
16:00-16:59	69	58	54	57	51	44	51	384
17:00-17:59	74	51	57	46	60	71	66	425
18:00-18:59	58	32	52	58	55	63	68	386
19:00-19:59	71	60	53	57	66	71	48	426
20:00-20:59	40	49	42	39	57	45	50	322
21:00-21:59	45	43	50	45	55	67	49	354
22:00-22:59	32	43	33	41	32	52	42	275
23:00-23:59	38	38	42	33	48	66	45	310
Total by Day	1215	1023	1037	1064	1108	1174	1110	7731

Report Includes:

All reported dates between `00:00:00 07/01/23` and `23:59:59 07/31/23`

All nature of incidents

All respond to addresses

All respond to cities

All agencies

*** End of Report /tmp/rptvmsjqy-rpcdcdt.r1_1 ***

Attachment: July 2023 CAD calls by time of day (11591 : July 2023 DOERC Report)

22 West Court Street

Architect: King & King, Syracuse NY

August 2023

Updates

- Phase 4 interior construction is progressing
- IT - Fiber Optic connection, Celerity engaged
- ePlus will be used for network design elements
- Motorola engaged for network work for radio system
- Generator arrival September 2023
- AC units (most) to arrive September 2023
- Phase 5 contract awarded; work to begin in the next month.

Work completed

- Phase 1 - Interior demolition
- Phase 2 - Roof replacement
- Phase 3 - Window replacement

Future Work

- Phase 6 exterior building improvements

August 2023

911

- Staffing issues
 - 4 current openings
- Vesta telephone refresh completed; working on minor issues
- Radio system maintenance contract renewal will be re-negotiated in 2023
- Union contract will be re-negotiated in 2023.
- Auto discovery recordings work continues
- NYSP is in the process of reviewing – updating their towing policies

Emergency Management

- Working with County Administration on County employee emergency notification program
- Working with County Administration on Crisis response team and on bringing County Department heads training current.

Fire Service

- Using NYS State fire for Fire investigations
- Still supporting repairs to radios under grant funding

Conferences – trainings

- None in the next month

Grants Awarded

- | | |
|---------------------------|---|
| • 2023 SHSP - \$51,215 | Detective canine, data access fees, tactical LE equipment |
| • 2023 EMPG - \$23,603 | Partial salary – Deputy Director |
| • 2022 PSAP - \$197,805 | Operational costs related to 911 |
| • 2022 SICG – \$1,572,808 | 22 West Court Street; PM on the radio system |
| • 2022 DVT - \$172,413 | Combating Domestic Terrorism |
| • 2023 SICG - \$5,000,000 | Radio system enhancements |

Cortland County Coroner

2023 Death Report

<u>January</u> 8 - Deaths 2 - Autopsies	<u>February</u> 8-Deaths 3-Autopsies	<u>March</u> Deaths 9 Autopsies 2
<u>April</u> Deaths 11 Autopsies 6	<u>May</u> Deaths 5 Autopsies 2	<u>June</u> Deaths 7 Autopsies 1
<u>July</u> Deaths 5 Autopsies 2	<u>August</u> Deaths Autopsies	<u>September</u> Deaths Autopsies
<u>October</u> Deaths Autopsies	<u>November</u> Deaths Autopsies	<u>December</u> Deaths Autopsies

Cortland County Jail

5.4.a

Total Inmate Day Report

From Period 06/01/2023 Through 06/30/2023

All County/Non-County Inmates

Date	Male		Female		Total Days	
06/01/2023	75		11		86	
06/02/2023	77		10		87	
06/03/2023	76		11		87	
06/04/2023	76		11		87	
06/05/2023	78		10		88	
06/06/2023	74		9		83	
06/07/2023	71		9		80	
06/08/2023	72		9		81	
06/09/2023	68		10		78	
06/10/2023	68		9		77	
06/11/2023	69		11		80	
06/12/2023	72		10		82	
06/13/2023	72		9		81	
06/14/2023	72		10		82	
06/15/2023	71		9		80	
06/16/2023	72		9		81	
06/17/2023	70		10		80	
06/18/2023	69		9		78	
06/19/2023	70		9		79	
06/20/2023	69		9		78	
06/21/2023	61		9		70	
06/22/2023	61		9		70	
06/23/2023	65		9		74	
06/24/2023	65		9		74	
06/25/2023	64		9		73	
06/26/2023	64		9		73	
06/27/2023	63		11		74	
06/28/2023	62		12		74	
06/29/2023	61		11		72	
06/30/2023	66		12		78	
Totals	2,073	Males	294	Females	2,367	Da

Attachment: Total Inmate June 2023 (11560 : Total Jail Inmate Daily Report June 2023 - Sheriff's Office)

Total Inmate Day Report

From Period 07/01/2023 Through 07/31/2023

All County/Non-County Inmates

Date	Male		Female		Total Days
07/01/2023	63		13		76
07/02/2023	63		12		75
07/03/2023	64		13		77
07/04/2023	62		12		74
07/05/2023	63		13		76
07/06/2023	61		12		73
07/07/2023	66		12		78
07/08/2023	65		12		77
07/09/2023	65		12		77
07/10/2023	67		12		79
07/11/2023	68		11		79
07/12/2023	66		11		77
07/13/2023	68		11		79
07/14/2023	70		12		82
07/15/2023	68		10		78
07/16/2023	70		11		81
07/17/2023	70		11		81
07/18/2023	68		11		79
07/19/2023	67		12		79
07/20/2023	69		12		81
07/21/2023	70		12		82
07/22/2023	69		10		79
07/23/2023	70		11		81
07/24/2023	70		11		81
07/25/2023	70		12		82
07/26/2023	68		12		80
07/27/2023	67		12		79
07/28/2023	67		13		80
07/29/2023	66		12		78
07/30/2023	64		12		76
07/31/2023	64		12		76
Totals	2,068	Males	364	Females	2,432
					Da

Attachment: Total Inmate Day Report July 2023 (11590 : July Total Inmate Day Report 2023)

2023 DA Statistics

	Jan 2022	Jan 2023	Feb 2022	Feb 2023	Mar 2022	Mar 2023	Apr 2022	Apr 2023	May 2022	May 2023	June 2022	June 2023
Fel-County & City	15	33	24	29	25	21	25	44	26	23	29	23
Misd City	23	26	20	35	26	32	21	35	30	28	42	40
Misd County	43	32	36	36	29	31	37	34	46	43	43	48
Violations City	9	4	4	5	6	16	12	13	8	6	5	2
Violations County	3	2	5	0	1	1	1	1	2	1	1	3
Sealed Indictments	0	0	0	0	4	0	0	0	0	0	1	0
TOTALS:	93	97	89	105	91	101	96	127	112	101	121	116
Vehicle and Traffic	277	255	240	327	293	293	225	251	260	329	297	245
DWI's	13	13	13	15	20	12	14	12	15	7	14	9
	July 2022	July 2023	Aug 2022	Aug 2023	Sep 2022	Sep 2023	Oct 2022	Oct 2023	Nov 2022	Nov 2023	Dec 2022	Dec 2023
Fel-County & City	24		26		13		28		37		22	
Misd City	17		26		20		41		28		32	
Misd County	50		33		31		42		60		35	
Violations City	8		14		16		15		12		8	
Violations County	5		6		10		4		3		2	
Sealed Indictments			0		0		0		0		0	
TOTALS:	104		105		90		130		140		99	
Vehicle and Traffic	260		272		338		246		339		234	
DWI's	15		12		6		4		20		3	

2023 DA Statistics

	Jan 2022	Jan 2023	Feb 2022	Feb 2023	Mar 2022	Mar 2023	Apr 2022	Apr 2023	May 2022	May 2023	June 2022	June 2023
Fel-County & City	15	33	24	29	25	21	25	44	26	23	29	23
Misd City	23	26	20	35	26	32	21	35	30	28	42	40
Misd County	43	32	36	36	29	31	37	34	46	43	43	48
Violations City	9	4	4	5	6	16	12	13	8	6	5	2
Violations County	3	2	5	0	1	1	1	1	2	1	1	3
Sealed Indictments	0	0	0	0	4	0	0	0	0	0	1	0
TOTALS:	93	97	89	105	91	101	96	127	112	101	121	116
Vehicle and Traffic	277	255	240	327	293	293	225	251	260	329	297	245
DWI's	13	13	13	15	20	12	14	12	15	7	14	9
	July 2022	July 2023	Aug 2022	Aug 2023	Sep 2022	Sep 2023	Oct 2022	Oct 2023	Nov 2022	Nov 2023	Dec 2022	Dec 2023
Fel-County & City	24	24	26		13		28		37		22	
Misd City	17	31	26		20		41		28		32	
Misd County	50	34	33		31		42		60		35	
Violations City	8	9	14		16		15		12		8	
Violations County	5	3	6		10		4		3		2	
Sealed Indictments		0	0		0		0		0		0	
TOTALS:	104	101	105	0	90	0	130	0	140	0	99	0
Vehicle and Traffic	260	264	272		338		246		339		234	
DWI's	15	12	12		6		4		20		3	