



EXECUTIVE OFFICE OF TECHNOLOGY SERVICES & SECURITY

COMMONWEALTH OF MASSACHUSETTS | 1 ASHBURTON PLACE, 8TH FLOOR, BOSTON, MA 02108

MAURA T. HEALEY
Governor

JASON SNYDER
Secretary

KIMBERLEY DRISCOLL
Lieutenant Governor

April 30, 2024

Frank Pozniak
Executive Director
State 911 Department
151 Campanelli Dr., Suite A
Middleborough, MA 02346

**RE: FISCAL YEAR 2024 - COMIRS 3RD QUARTER REPORTS
(Reporting Period January 1, 2024 – March 31, 2023)**

Dear Director Pozniak,

In accordance with Department of Telecommunication and Cable (hereinafter D.T.C.) Order 18-2 dated June 29, 2018, D.T.C. Order 19-2 dated May 16, 2019, D.T.C. Order 20-1 dated May 26, 2020, D.T.C. Order 21-3 dated May 26, 2021, D.T.C. Order 22-1 dated June 1, 2022, D.T.C. Order 23-2 dated June 14, 2023, and the State 911 Department's Guidance Document as issued to the Executive Office of Technology Services and Security (hereinafter EOTSS) on or about September 9, 2020, I respectfully submit the Fiscal Year 2024 3rd Quarter Report for the Commonwealth's project to modernize, improve and expand its interoperable public safety radio system (hereinafter CoMIRS). The quarterly report utilizes the format and performance metric tracking introduced in the combined 1st and 2nd quarter report previously submitted.

The 3rd Quarter of Fiscal Year 2024 was highlighted by:

- the continuation of activities necessary to prepare for TDMA radio network implementation,
- the implementation of substantive construction activities at Phase 1A sites,
- the sharing of program information and coordinated planning with CoMIRS stakeholders, and
- the continued monitoring and auditing of the CoMIRS budget and expenditures.

The details of the program activities recorded during the reporting period, are described below.

THE CoMIRS PROGRAM MANAGEMENT OFFICE'S (PMO) CONTINUATION OF ACTIVITIES IN PREPARATION OF THE IMPLEMENTATION OF THE COMMONWEALTH'S TDMA RADIO NETWORK:
(CoMIRS Strategic Plan Roadmap Major Activity 6.2.8, "Prepare for TDMA Radio Network Implementation")

The PMO continues to meet both virtually and in-person with the Motorola project team, multiple times per week, on an unlimited number of technical and/or contract administration issues. Site visits are regularly performed by members of the CoMIRS, Motorola, and subcontractor teams involved in system implementation and construction. Construction teams are managed by a Motorola construction manager and are often accompanied in the field by technicians and engineers from the Department of State Police.

The CoMIRS PMO is responsible for the timely execution of agency agreements, the review and approval of engineering designs, the coordination with land and tower owners, the issuances of authorizations to pull building permits and notices to proceed for construction, and the oversight of the overall project schedule.

COMIRS PROGRAM MANAGEMENT OFFICE (PMO) ACTIVITIES YIELDING SUBSTANTIVE CONSTRUCTION MILESTONES:

(CoMIRS Strategic Plan Roadmap Major Activity 6.2.10, “Build, Lease or Upgrade Radio Sites”)

Beginning in December of 2023, the PMO authorized the initiation of major civil construction activities in support of the modernization of the CoMIRS radio system. The construction activities at these sites can include:

- improvements to site access roads,
- installation or repair of equipment shelters,
- improvements to HVAC,
- upgrades to electrical and emergency generator systems,
- installation and/or upgrades of ice bridges and fencing,
- compound improvements,
- site access security and video surveillance installation,
- tower remediations,
- decommission of old antenna systems,
- installation of new antenna systems, and
- other services needed to establish mission critical communication sites.

Below are a list of the sixteen (16) building permitting authorizations (“BPA”) issued through the end of the 3rd Quarter of FY 2024 by the CoMIRS PMO. These BPAs are issued to Motorola Solutions as a formal approval to submit building permitting applications and initiate mobilization planning for civil construction at the specified communications site. BPAs may include specific conditions for the approved activities.

- **Brimfield-Steerage Rock** (DCR & Mass Turnpike Authority, building permitting authorized on 10/10/2023)
- **Buckland-Bray Road** (MSP & DCR, building permitting authorized on 10/10/2023)
- **Granville-North Lane** (American Tower, building permitting authorized on 10/10/2023)
- **Monterey-Mt Wilcox** (MSP & DCR, building permitting authorized on 10/10/2023)
- **Russell-Rte 20** (American Tower, building permitting authorized on 10/10/2023)
- **Sheffield-Egremont Rd** (SBA Communications, building permitting authorized on 10/10/2023)
- **Shelburne Falls-Shelter 1** (MSP, building permitting authorized on 10/10/2023)
- **Granville-Birch Hill** (Westfield Water, building permitting authorized on 11/10/2023)
- **Mt. Washington-Mt Darby** (American Tower, building permitting authorized on 11/10/2023)
- **Hancock-Berry Mtn** (American Tower, building permitting authorized on 11/22/2023)
- **Northampton-BHQ Shelter 1** (MSP, building permitting authorized on 11/22/2023)
- **Shelburne-Great Hill** (MSP, building permitting authorized on 11/22/2023)
- **Montague-Country Hill** (MSP & Turner Falls Fire and Water District, building permitting authorized on 12/22/2023)
- **New Braintree-Dispatch 1** (MSP, building permitting authorized on 2/2/2024)
- **Athol-Adams Hill** (MSP & Adams Farm Slaughterhouse LLC, building permitting authorized on 2/16/2024)
- **Pelham-Rte 202** (Industrial Communications, building permitting authorized on 3/4/2024)

Additionally, the CoMIRS PMO has issued eight (8) notices to proceed (NTPs) for construction at Phase 1A sites through the end of the 3rd Quarter of FY 2024. NTPs are issued when all appropriate owner, inspector, and other approvals have been obtained and when the CoMIRS PMO concurs with the plan to be implemented at each site. Any specific conditions for construction issued by CoMIRS or the tower or site owner are included in the NTP document.

- **Brimfield-Steerage Rock** (NTP for construction issued on 11/21/2023)
- **Sheffield-Egremont Rd** (NTP for construction issued on 11/21/2023)
- **Shelburne Falls-Shelter 1** (NTP for construction issued on 11/21/2023)
- **Granville-Birch Hill** (NTP for construction issued on 11/21/2023)
- **Russell-Rte 20** (NTP for construction issued on 12/6/2023)
- **Shelburne-Great Hill** (NTP for construction issued on 1/12/2024)
- **Granville-North Lane** (NTP for construction issued on 2/8/2024)
- **Northampton-BHQ Shelter 1** (NTP for construction issued on 2/8/2024)

THE JOINT CoMIRS-MOTOROLA PROJECT TEAM CONTINUES TO CONDUCT RADIO SITE VISITS:
(CoMIRS Strategic Plan Roadmap Major Activity 6.2.10, “Build, lease, or upgrade radio sites”)

The CoMIRS PMO and the Motorola Solutions project team continue to conduct numerous site visits to assess existing communications sites, evaluate new sites, and plan the RF and backhaul network. Field visits are conducted utilizing joint Commonwealth and Motorola teams, and result in a collection of project deliverables, including equipment inventories, compound and tower diagrams, and microwave path reports. These deliverables are used to support lease applications, obtain owner approval for compound and tower changes, inform civil engineers conducting tower structural analyses, perform equipment delivery and installation, and construct communications sites. Project deliverables are posted to the Commonwealth’s Microsoft SharePoint site.

ONGOING MAPPING AND STRUCTURAL ANALYSIS ACTIVITIES, ENVIRONMENTAL ASSESSMENTS AND PRE-CONSTRUCTION REPORTS FOR COMMUNICATIONS TOWERS:
(CoMIRS Strategic Plan Roadmap Major Activity 6.2.10, “Build, lease, or upgrade radio sites”)

There are forty-four communications towers in Phase 1A of the CoMIRS+P25 system implementation that will require the project team to complete a structural analysis to assure that the added or changed load on the tower can be properly handled by the communications tower and its foundation. If the added load exceeds national standard engineering thresholds for the designated tower class, then the tower must be remediated to handle the additional load. These remediations may include such repairs or improvements as reinforcing tower legs with steel, repouring or expanding tower or anchor foundations, replacing, or adding guyed wires, or, if needed and financially viable, replacing an existing tower. Much of the allowances planned for “Tower Remediation” are reserved to fund these required tower improvements.

Motorola Solutions has begun the evaluative activities for the forty-nine tower sites affiliated with Phases 1B, 1C and 1D. The consolidation of project implementation activities, including tower mappings, geotechnical analysis, and foundation mappings, for Phases 1B, 1C, and 1D will help assure the timely completion and roll-out of the CoMIRS+25 system.

Phase 1A Site Work Summary Through March 31, 2023

Below are the major activities completed through the end of the reporting period. The metrics reported below are based on site completions. For instance, a site may have multiple antenna systems installed on its tower. The “Antennas and Lines (A&L) Completed” metric below will show a completion of “1” for each site where all antenna systems planned for that site are installed. It is not a count of the number of antenna systems installed, but rather a count of the completion of a major activity at each of the planned communication sites. Additionally, metrics may change across reporting periods based on changes to approval status, changes to project needs, or other criteria.

Each major activity is described in narrative, including a discussion of why that project activity is needed. Under each narrative description is a table summarizing the total number of communication sites that need that major activity completed and how many have been completed through the end of the reporting period for the whole project and for just those sites in Phase 1A. At the far right of these tables are counts by quarter through FY2024 in which it is reported that this activity has been completed at a communication site. Please note that some activities are recorded as “TBD” until a formal determination has been made about the need for that activity at each individual communication site.

Structural Analysis Completed: A structural analysis is a calculated determination of the loading of a tower compared to its loading capacity, done to meet the TIA/EIA-222 standard. All discrete loads (antennas, dishes, other items attached to the tower) and continuous cabling loads are considered in the analysis. The analysis is based on a proposed final loading of the tower. A structural analysis validates the structural integrity of the tower to support the proposed loading through inclement weather, including ice.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
93	5	28	30%	44	5	27	61%	3	2	4	

NEPA Completed: A NEPA study is an analysis of the environmental, aesthetic, and historic impact of proposed work at a radio site. Depending on the significance of the proposed work, either a categorical exclusion or an Environmental Assessment (EA) will be required. In addition, a National Historic Preservation Act (NHPA) review is conducted. Completion of the NEPA review process ensures compliance with federal regulations with the goal of protecting the local environment and designated historical sites.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
88	6	39	44%	43	1	37	86%	16	2	2	

FAA Screening Completed: The FAA screening consists of the determination whether an FAA Obstruction Evaluation (OE) is required for a tower as well as the completion of the OE. Adhering to the results of an FAA screening ensures the CoMIRS system is in compliance with FAA regulations. As a result, some towers may require specific types of aviation standard painting or tower top lighting to promote aviation safety.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
93	5	42	45%	44	5	41	93%	0	36	6	

FAA Filing Completed: This activity includes filing the appropriate 7460-1 or related forms with the FAA to provide notice of proposed construction or tower alteration. Proper and timely FAA filings prevent fines and possible delays from the FAA and are intended to help assure structures over a certain height do not pose a danger to aviation.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
10	62	1	10%	10	14	1	10%	0	0	1	

100% Construction Drawing Completed: A construction drawing (CD) is a multi-page document with work details, relevant specifications, and drawings of the work proposed at a site. The final set is stamped and sealed by an engineer of record that all work is specified according to best standards and industry practices. Construction drawings provide an on-site reference for the crew of the work to be completed and how to properly complete it. CDs also serve as an agreement document between vendor and customer on what work is to be completed and how it is to be completed.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
99	18	30	30%	50	0	29	58%	11	13	1	

Notice to Proceed for Construction Issued: A notice to proceed (NTP) is a formal acknowledgement issued by the site owner and/or caretaker allowing Motorola to begin the proposed work at a site. Written permission from a site owner is required by most jurisdictions. It is an important legal step in the sitework process and assures that the landowner is fully aware of the proposed work prior to commencement of construction activities.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
99	18	12	12%	50	0	11	22%	0	8	3	

Construction Started: This milestone denotes the formal beginning of construction activities at a site. Construction activities typically include a pre-construction kickoff meeting where all involved parties meet to discuss the work to be performed and any rules or considerations for accessing the site or completing the agreed upon scope of work. Tracking the date of construction start helps in tracking work progress.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
99	18	11	11%	50	0	10	20%	0	6	5	

Generator Foundation Completed: This activity tracks when the foundation for a new generator has been poured and tested, and when the foundation is ready for generator placement. The generator foundation allows for the safe placement of the proposed generator at a site.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
37	1	1	3%	9	0	1	11%	0	0	1	

Underground Utilities Completed: This activity tracks when any underground runs of utility power from the utility demarcation point to the shelter are complete. Having utility work complete allows for the shelter to be powered up, providing an air-conditioned environment suitable for fixed network equipment (FNE). Equipment installation is not recommended until this step is complete.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
3	83	3	100%	3	41	3	100%	0	1	2	

Underground Grounding Completed: This activity tracks when any underground grounding halo and connections to the halo are complete. Having a complete and continuous underground grounding system provides electrical protection to outdoor and indoor equipment at a site. This prevents damage to equipment from lightning and/or electrical surges. Grounding systems are typically installed prior to electronic equipment delivery and installation.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
9	81	9	100%	8	39	8	100%	0	5	4	

New Shelter Set: This activity tracks when a new shelter at a site has been placed on its foundation, grounded, and ready for power. The shelter provides an environmentally controlled and secure place for fixed network equipment (FNE). Delivery of equipment cannot be made until appropriate shelter space is available.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
19	0	1	5%	8	0	1	100%	0	0	1	

Above Grade Electrical Completed: This activity tracks when any aerial run from the utility to the shelter has been completed. Having utility work complete allows for the shelter to be powered up, providing an air-conditioned environment suitable for FNE equipment. FNE equipment installation is not recommended until this step is complete.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
4	84	1	25%	4	42	1	25%	0	0	1	

Above Grade Grounding Completed: This activity tracks when grounding of equipment to the grounding system has been completed. Grounding of equipment provides protection from electrical surges.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
5	84	1	20%	5	42	1	20%	0	0	1	

Gate Installed: This activity tracks when the addition of a man-gate or vehicle gate to a site compound's fence line has been completed. A man-gate allows additional means of access to a site when a vehicle gate may be blocked by heavy snowfall.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
3	46	3	100%	3	10	3	100%	0	1	2	

Antennas and Lines (A&L) Completed: This activity tracks when all antennas and lines have been installed, relocated, or removed as called out in the scope of work. Antennas and lines being installed allows for the delivery and installation of FNE equipment in the shelter. Without antennas and lines, the FNE equipment cannot be configured and optimized. This is critical for all radio sites.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
91	8	9	10%	46	4	9	20%	0	4	4	

Line Sweeps Completed: Line sweeps are measurements taken by a spectrum analyzer or service monitor tool to capture performance of any installed RF cabling. Line sweeps provide assurance that lines and antennas are to specification and will operate as intended. The line sweeps provide a mechanism for identifying issues along lines and connections to antennas and other equipment.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
91	8	9	10%	46	4	9	20%	0	2	6	

Site Restoration Completed: Site restoration is the cleanup and final grading of soil at a site as well as any seeding needed to bring the site back to pre-construction condition. Site restoration returns the site to a condition agreed upon by the site owner. A third-party inspection will usually not be conducted until site restoration is complete, as it will be a part of the inspection.

Total IS-1				Total Phase 1A				FY2024			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
99	18	7	7%	50	0	7	14%	0	3	4	

AUTHORIZED EXPENDITURES FROM CONTRACT “ALLOWANCES”:

(CoMIRS Strategic Plan Roadmap Major Activity 6.2.10, “Build, lease, or upgrade radio sites”)

As part of the contract with Motorola Solutions, a portion of the overall contract price was reserved for project expenses that could not be fully identified or costed at the time of contract signing. These include large expenditures like tower remediations and smaller expenditures like required NEPA studies.

During the 3rd Quarter of Fiscal Year 2024, the PMO authorized new expenditures from the Allowances in the amount of \$805,178.95, including:

TO 018 Mt Toby New DC Power -- Site Improvements (\$44,547.17)

TO 018 funds the purchase, installation, and optimization of a new DC power plant at the Sunderland-Mt Toby communications site. (Approved 1/23/2024)

TO 019 Tower Remediation Chester, Savoy, Sunderland -- Tower Remediation (\$319,056.35)

TO 019 funds required tower structural remediation work and post-modification inspections at three Phase 1A communications (Chester-Skyline Trail, Savoy-Borden Mt, and Sunderland-Mt Toby). (Approved 1/23/2024)

TO 020 FAA Filing, Safety Climb -- Tower Remediation (\$4,500.00) and Site Improvements (\$3,109.76)

TO 020 funds needed changes to previous FAA filings, a mount analysis for an atypical mount configuration at Becket-Tower Rd, the designs for typical foundations to be used at various sites,

two additional lease exhibits requested by the CoMIRS PMO, and a safety climb assembly for use at the communication site in Hawley. (Approved 1/23/2024)

TO 021 Kohler Portable Generator -- Site Improvements (\$119,944.21)

TO 021 funds a portable generator to be used to power sites during construction and to be available to power sites during planned and unplanned outages. (Approved 1/31/2024)

TO 022 Charlton MassDOT Engineering -- Tower Remediation (\$3,384.15)

TO 022 funds additional engineering studies and reports needed to address questions posed by the owner of the Charlton communications site. (Approved 1/31/2024)

TO 023 Brimfield Access Improvements -- Site Improvements (\$27,283.41)

TO 023 funds improvements to the access road to the Brimfield communications site, including tree trimming and addressing road runoff to allow the delivery of a new shelter and heavy equipment to the site. (Approved 1/31/2024)

TO 025 Mt Grace Tower Remediation -- Tower Remediation (\$193,030.49)

TO 025 funds required tower structural remediation work and post-modification inspections at the Mt Grace communication site. (Approved 2/29/2024)

TO 026 Framingham GHQ Generator -- Site Improvements (\$90,323.41)

TO 026 funds a replacement generator to serve the radio, core, backhaul, and other communications equipment in the equipment shelter at MSP GHQ in Framingham. (Approved 3/14/2024)

Additionally during the 3rd Quarter of Fiscal Year 2024, the PMO authorized payment for previously authorized expenditures in the amount of \$129,558.04, including:

TO 004 Tower Remediation Design – Tower Remediation (\$3,109.76, approved 3/29/2024)

TO 006 NEPA Studies – Permitting, NEPA & Compliance (\$6,402.44, approved 3/29/2024)

TO 009 NEPA Studies – Permitting, NEPA & Compliance (\$2,439.02, approved 3/29/2024)

TO 023 Brimfield Access Improvements – Site Improvements (\$27,283.41, approved 3/29/2024)

TO 026 Framingham GHQ Generator – Site Improvements (\$90,323.41, approved 3/29/2024)

Below is the summary budget for each Allowance category. The full value of all Allowances is still \$18,476,554.00. Through the end of the 3rd Quarter of FY 2024, \$4,367,264.06 has been authorized to be expended from Allowances, and \$1,643,688.20 has been expended (approved for payment). \$14,109,289.94 (76.4%) remains in the Allowances.

Allowance Category	Baseline Budget	Authorized	Expended	Remaining (Baseline - Authorized)	Remaining Percent
Approved Additional Expenditures	\$ 28,752.00	\$ -	\$ -	\$ 28,752.00	100.0%
Backhaul Improvements	\$ 1,510,592.00	\$ -	\$ -	\$ 1,510,592.00	100.0%
Frequency Licensing	\$ 88,174.00	\$ -	\$ -	\$ 88,174.00	100.0%
Permitting, NEPA & Compliance	\$ 550,324.00	\$ 53,353.66	\$ 46,951.21	\$ 496,970.34	90.3%
Site Improvements	\$ 6,994,080.00	\$ 2,488,336.27	\$ 1,200,728.30	\$ 4,505,743.73	64.4%
Tower Remediation	\$ 9,304,632.00	\$ 1,825,574.13	\$ 396,008.69	\$ 7,479,057.87	80.4%
Total	\$ 18,476,554.00	\$ 4,367,264.06	\$ 1,643,688.20	\$ 14,109,289.94	76.4%

As some Task Orders are completed with authorized funds remaining on those Task Orders, funds will be returned to the Allowances pool for authorization and expenditure on other approved project activities and equipment. Several new Task Orders are expected to account for Phase 1B, 1C, and 1D sites (together referred to as “Phase 1B+”) and for additional, unplanned construction expenses related to Phase 1A sites.

EXECUTION OF MASTER SERVICE AGREEMENTS WITH COMMERCIAL COMMUNICATION SITE PROVIDERS:
(CoMIRS Strategic Plan Roadmap Major Activity 6.2.10, “Build, lease, or upgrade radio sites”)

The communication sites that are planned for the CoMIRS+P25 system include a combination of Commonwealth agency owned sites, county or municipality owned sites, and commercial or privately-owned sites. For Phase 1A of the CoMIRS+P25 system implementation, many of the planned sites are already subject to a formal lease. The approach for communications sites with existing leases focuses on amending existing leases under the existing agreements with the site owner.

As previously reported, the Land Mobile and Microwave Radio Communication Equipment Site and Tower Installation Rights Procurement (COMMBUYS Bid# BD-22-1060-ITD00-ITD00-70921) was structured to have two parts. Part 1 established a list of pre-approved communications sites vendors. Part 2 solicited bids for the use of communications sites within twenty-seven specific geographic areas.

To further enhance the PMO’s ability to identify and leverage additional communication sites the PMO reopened the Land Mobile and Microwave Radio Communication Equipment Site and Tower Installation Rights Procurement on February 13, 2024. The reopened procurement allowed new vendors to be added to the department contract and allowed existing and new bidders to submit bids on 30 different communications sites throughout Massachusetts.

To date, five apparent successful awards have been announced and master service agreements have been executed with American Tower LLC, Crown Castle USA Inc., and Industrial Tower & Wireless LLC. These master agreements will facilitate the execution of site-specific agreements that will ultimately form the CoMIRS+P25 network constellation. The CoMIRS PMO is authorized to enter into lease negotiations for sites procured through this RFR with companies that have executed a master service agreement under this contract. Master service agreements with additional bidders and lease negotiations at several sites are on-going.

REVIEW, ANALYZE, AUTHORIZE AND PROCESS THE PURCHASE OF REPLACEMENT SUBSCRIBER UNITS FOR OPERABLE USERS OF THE COMIRS NETWORK:

(CoMIRS Strategic Plan Roadmap Major Activity 6.2.7, “Acquire TDMA Digital Radios for Current [Network] Users”.)

The program initiative to replace non-compliant subscriber units has been completed and is closed. Notwithstanding the conclusion of the replacement initiative, the PMO will soon begin its effort to “upgrade” an additional 4,000 subscriber units. Although these 4,000 units did not meet the threshold for full replacement, they may require additional feature sets or licenses to operate on the CoMIRS+P25 network. The installation of feature sets will be a logistical challenge as each radio must be individually examined to determine what specific features the radio needs. Once the radio has been examined and payment has been approved, the necessary feature sets will be installed. The PMO has allocated project funds to complete the upgrade initiative and will report further on the initiative once it is planned to be implemented in full.

THE CoMIRS PMO CONTINUED ITS EFFORT TO MIGRATE THE FRANKLIN COUNTY PUBLIC SAFETY AGENCIES ONTO THE CoMIRS NETWORK:

(CoMIRS Strategic Plan Roadmap Major Activity 6.3.1, “Determine Potential Expanded Users of CoMIRS”)

The CoMIRS PMO continued to work with the Franklin Regional Council of Governments (FRCOG) on its transition to the CoMIRS radio system and to coordinate the decommissioning of the existing Franklin County Emergency Communications System (FCECS). FCECS is the legacy radio system in Franklin County that has been determined to be end-of-life and in urgent need of replacement. Most Franklin County public safety agencies and users have transitioned over to the CoMIRS system. The FCECS is still operational and used to provide radio coverage in areas not currently covered by the existing CoMIRS system. Additionally, many fire departments in the county use the legacy system for local paging needs. The CoMIRS PMO continues to work with FRCOG to support FRCOG’s plan to decommission the FCECS and transition paging operations to the CoMIRS system. FRCOG and Franklin County public safety agencies are responsible for the purchasing of digital paging devices that will work on the planned CoMIRS+P25 system.

THE PMO CONTINUES TO MEET WITH CoMIRS STAKEHOLDERS AS A MEANS TO KEEP THEM INFORMED OF THE PROJECT’S PROGRESS AND IMPLEMENTATION SCHEDULES AND TO NEGOTIATE AGREEMENTS FOR THE NEW DIGITAL SYSTEM:

In the 3rd Quarter of Fiscal Year 2024, the PMO conducted a series of one-on-one or small group informational and planning meetings with existing users of the CoMIRS system. These meetings included “core connected” stakeholders that have dispatch consoles directly tied to the existing CoMIRS core infrastructure for communications and interoperability. These meetings typically included representatives from the Executive Office of Technology Services and Security, the Executive Office of Public Safety and Security, and the Massachusetts State Police, as well as operational and technical representatives of the CoMIRS user agencies.

To transition to the new CoMIRS+P25 system, many core-connected console agencies need to coordinate self-financed site infrastructure upgrades to meet the minimum requirements of the new system. These sessions addressed those upgrade needs and other planning topics. Typically, the agenda of these discussions included:

- CoMIRS modernization project overview, status, and schedule
- Core connected console/infrastructure options and transition
 - CoMIRS+P25 stakeholder infrastructure requirements
 - CoMIRS+P25 subscriber requirements
 - Transition considerations (provisioning, upgrading, and programming radios)
- Changing operational needs
- Other topics and questions

Meetings were conducted in January and February with the following CoMIRS stakeholders:

- Andover FD - Fire District 15
- Ashland FD - Fire District 14
- Barnstable County Sheriff
- Berkshire County Sheriff
- Brookline PD/FD
- Bureau of the State House
- Chelsea Emergency Management

- City of Cambridge
- Essex County RECC -Fire District 5 (NSR911)
- Hampden County Jail
- Harvard University Police
- Massachusetts Department of Correction
- Massachusetts DOT
- Massachusetts Environmental Police
- Massport
- MBTA Police
- MEMA
- MIT Police
- MNRECC (Revere PD)
- Plymouth Sheriff
- Quincy FD
- Quincy PD
- Somerville PD
- Springfield Emergency Communications
- Suffolk County Sheriff
- Westford FD - Fire District 6

At the request of the EOPSS Office of Grants and Research and the Massachusetts Statewide Interoperability Coordinator, a related planning meeting was held on March 5 to discuss how to maintain interoperability with UASI agencies as some agencies are considering transitioning from CoMIRS to a separate City of Boston system, currently in development. A follow-up action item from that meeting was to examine the full integration of the new City of Boston system with the CoMIRS+P25 system. That integration would promote interoperability throughout the metro Boston area and be the most efficient use of spectrum and funding for the region. The CoMIRS PMO is in support of this option and is working to schedule a follow-up meeting with representatives of the City of Boston.

The CoMIRS PMO has been actively engaged with the Department of Conservation and Recreation (DCR) about the possibility of exchanging CoMIRS access for the use of DCR tower space. In conjunction with DCR program representatives, the PMO has drafted a memorandum of agreement which is designed to facilitate a non-financial exchange of communication service for tower space. This agreement is being reviewed by DCR's legal department. The PMO remains hopeful that this agreement will facilitate its use of nearly twenty DCR high ground resources throughout the Commonwealth. The PMO has developed a SharePoint site through which the PMO and DCR can share artifacts and drafts as a means of formalizing terms and conditions of use. During the 3rd Quarter of FY 2024, DCR agreed to the terms of High Ground Permits for two CoMIRS communications sites requiring civil improvements. Additionally, DCR Legal and MSP Legal in coordination with the CoMIRS PMO are working to finalize a template for a High Ground Permit for DCR-owned towers and final proposed language for the memorandum of agreement amongst EOPSS, EOTSS, MSP, and DCR.

The CoMIRS PMO continues to work with the City of Worcester and the Town of Shrewsbury on a shared infrastructure agreement for the integration of the five site Worcester-Shrewsbury system in the CoMIRS+P25 system. A draft agreement has been provided to representatives of the City of Worcester and the Town of Shrewsbury. Follow-up activities on this agreement are expected in the 4th Quarter of FY 2024.

MONITORING AND AUDITING OF THE PROJECT BUDGET AND EXPENDITURES:

During the 3rd Quarter of Fiscal Year 2024, the PMO, the Director of Finance for the State 911 Department, and the Director of Finance for EOTSS collectively and individually monitored the program’s expenditures. Authorized expenditures paid during the 3rd Quarter are listed below. The reported expenditures are limited to those made between January 1, 2024, and March 31, 2024. All stated expenditures were paid from the Enhanced 911 Trust account. A full and complete financial report for all Fiscal Year 2024 transactions will be included in the Fiscal Year 2024 Annual Report.

CoMIRS Expenditures (FY2024, 3rd Quarter)

FY24 CoMIRS Expenditures 3 rd Quarter	
Row Labels	Sum of Amount
INDIRECT	\$ 5,138.56
E16	\$ 5,138.56
MCINNIS CONSULTING SERVICES	\$ 46,536.90
U05	\$ 46,536.90
MISSION CRITICAL PARTNERS LLC	\$ 75,312.17
U11	\$ 75,312.17
SWBAILEY CONSULTING LLC	\$ 83,888.00
U11	\$ 83,888.00
Grand Total	\$ 210,875.63

In the event there are any questions or if clarification concerning any aspect of this report would be helpful, the PMO would be pleased to assist. Inquiries may be directed to Assistant Secretary Matthew Moran at 617.626.4400 or email at Matthew.E.Moran@mass.gov.

Respectfully,



Matthew Moran
Assistant Secretary of Technology Services and Security
Chief Engagement Officer