



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

January 31, 2025

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

**RE: FISCAL YEAR 2025 - COMIRS 1ST AND 2ND QUARTER REPORTS
(Reporting Period July 1, 2024 – December 31, 2024)**

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, D.T.C. Order 24-2 dated June 4, 2024, 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 2025 1st Quarter and 2nd Quarter Report for the Commonwealth's project to modernize, improve, and expand its interoperable public safety radio system (hereinafter CoMIRS).

The 1st and 2nd Quarters of Fiscal Year 2025 were 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 update of site selection across Phases 1A, 1B, 1C, and 1D,
- the development of engineering and leasing documents for planned communications sites in Phases 1B, 1C, and 1D,
- 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, engineering, 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. All contractors working on CoMIRS sites have proper certificates of insurance.

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 ice shields,
- compound improvements, including gate and fence repairs,
- site access security and video surveillance installation,
- tower remediations,
- custom mount installations,
- decommission of old antenna systems, dishes, lines, and mounts,
- installation of new antenna systems, dishes, lines, and mounts, and
- other services needed to establish mission critical communication sites.

Below is a list of the six (6) building permitting authorizations (“BPA”) issued during the 1st and 2nd Quarters of FY 2025 by the CoMIRS PMO. These BPAs are major project milestones issued by the CoMIRS PMO to Motorola Solutions that serve as a formal approval to submit building permitting applications on behalf of the project and initiate mobilization planning for civil construction at the specified communications site. BPAs may include specific conditions for the approved construction activities, issued by CoMIRS, the tower owner, the landowner, an access road owner, or other party. The FY 2025 1st and 2nd Quarter BPAs include:

- Wilbraham-Mt Chapin (R and S Realty, LLC, building permitting authorized on 7/24/2024)
- Shelburne-Mt Massamett (SBA Communications, building permitting authorized on 8/1/2024)
- Holyoke-Mt Tom (SBA Communications, building permitting authorized on 8/1/2024)
- Adams-Mt Greylock WAMC (WAMC & DCR, building permitting authorized on 8/21/2024)
- Framingham-GHQ Shelter Microwave (MA State Police, building permitting authorized on 12/18/2024)
- Middleboro-DHQ Shelter (MA State Police, building permitting authorized on 12/18/2024)

The BPAs for the last two communications sites are the first to be issued for the Phase 1B+ communications sites.

Additionally, the CoMIRS PMO issued eighteen (18) additional notices to proceed (NTPs) for construction at Phase 1A sites during the 1st and 2nd Quarters of FY 2025. NTPs are issued when all appropriate owner, building inspector, and other approvals have been obtained and when the CoMIRS PMO concurs with the plan to be implemented at each site, including coordination and planning regarding any outages that existing CoMIRS users may experience during construction activities. Any specific conditions for construction issued by CoMIRS or the tower or site owner are included in the NTP document. The FY 2025 1st and 2nd Quarter NTPs include:

- Hawley-Berkshire East (FRCOG/MSP, Berkshire East Ski Resort, NTP for construction issued on 7/3/2024)
- Chester-Skyline Trail FT (DCR, NTP for construction issued on 7/12/2024)
- New Ashford-Brodie Mtn (DCR for construction issued on 7/12/2024)
- Savoy-Borden Mtn (DCR for construction issued on 7/12/2024)
- Sunderland-Mt Toby (DCR, NTP for construction issued on 7/12/2024)
- Warwick-Mt Grace (DCR, NTP for construction issued on 7/12/2024)
- Great Barrington-Butternut (DCR & Berkshire County, NTP for construction issued on 7/12/2024)
- Chesterfield-Bofat Hill Rd (SBA Communications, NTP for construction issued on 7/17/2024)
- North Adams-Route 2 (North Adams Tower Company Inc, NTP for construction issued on 7/22/2024)
- Wilbraham-Mt Chapin (R and S Realty, LLC, NTP for construction issued on 7/24/2024)
- Montague-Country Hill (MSP & Turner Falls Fire and Water District, NTP for construction issued on 7/26/2024)
- Peru-Hickingbotham Rd (W MA N) (American Tower, NTP for construction issued on 8/14/2024)
- Athol-Adams Hill (MSP & Adams Farm Slaughterhouse LLC, NTP for construction issued on 8/22/2024)
- Colrain-Calvin Coombs Rd (Eversource, NTP for construction issued on 8/30/2024)
- Charlton-Little Mugget MassDOT (MassDOT, NTP for construction issued on 9/3/2024)
- Blandford-Otis Stage Rd (SBA Communications, NTP for construction issued on 9/11/2024)
- Adams-Mt Greylock WAMC (WAMC & DCR, NTP for construction issued on 10/9/2024)
- Plainfield-N Central St (Eversource, NTP for construction issued on 10/24/2024)

The CoMIRS PMO expects to issue additional BPAs and NTPs this winter.

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 development 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 (44) 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 fifty (50) 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+P25 system.

Phase 1A Site Work Summary Through December 31, 2024

Below are the major activities completed through the end of this quarterly 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, evolution of engineering designs, 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 of FY 2025 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.

Site Walks Completed: Site walks are physical visits to potential equipment site locations, typically including both CoMIRS and contractor personnel. Contractor personnel take pictures and measurements of the site visited and discuss with CoMIRS personnel the viability of the site for use on the CoMIRS project. Site walks allow engineers to begin preparing initial site designs and identify early in the project potential site issues or unanticipated project costs.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
129	0	105	81%	50	0	46	92%	1	0		

Lease Exhibits Completed: Lease exhibits include drawings showing a high-level overview of work proposed at a site. Lease exhibits provide documented agreement on the scope of work for each site and provide a baseline for more detailed construction drawings. Lease exhibits are also used to finalize leases or site usage agreements with third party site owners.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
100	0	84	84%	40	0	40	100%	36	1		

SOW Completed: The scope of work (SOW) document is a tabulated list of all work to be performed at a site. It includes a list of changes to the scope, with the appropriate financial credit or debit for the

change. The SOW document aids in tracking scope changes at individual sites and provides a mechanism for agreement on approved scope between the CoMIRS PMO and Motorola Solutions. These documents are used to finalize subcontracting agreements for services and equipment to be provided to a project site.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
114	0	49	43%	45	0	40	89%	0	6		

Tower Mapping Completed: A tower mapping is a deliverable resulting from a site visit with a tower climb to document structural steel members of a tower as well as a detailed inventory of antennas, feedlines, and other tower loads. A report is provided with a tower mapping as well as pictures of loads and key tower features. Tower mappings allow for an accurate structural analysis to be conducted on a tower and provide an updated inventory of tower equipment, including mount locations.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
45	0	41	91%	22	0	22	100%	0	1		

Foundation Mapping Completed: A foundation mapping is a deliverable resulting from a site visit that uses a combination of ground-penetrating radar and excavation of the existing tower foundation to supplement engineering information should existing documentation provide insufficient foundation details. Foundation mappings are used in conjunction with tower mappings to conduct a rigorous structural analysis of a tower.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
20	19	20	100%	12	0	12	100%	1	0		

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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
89	0	42	47%	44	0	33	75%	0	9		

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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
90	1	61	68%	43	1	38	88%	13	9		

FAA Screening Completed: The FAA screening consists of determining whether an FAA Obstruction Evaluation (OE) is required for a tower. Adhering to the results of 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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
89	0	83	93%	44	0	42	95%	37	4		

FAA Filing Completed: An FAA filing includes completing and submitting 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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
11	52	4	36%	10	9	4	40%	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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
90	0	41	46%	45	0	37	82%	4	4		

Building Permit Pulled: A building permit (BP) is required for most site work involving changes to tower and compound equipment. The building permit is needed to ensure compliance with any authorities having jurisdiction where the sitework is being performed. Depending on the ownership of the communication site land, the building permit may be pulled with the approval of a municipal building inspector or state building inspector.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
89	0	36	40%	44	0	35	80%	17	4		

Notice to Proceed for Construction Issued: A notice to proceed (NTP) is a formal acknowledgement issued by the site owner and/or caretaker allowing a contractor 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. NTPs often include the rules governing construction approval, including any required notifications, access controls, and completion deadlines.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
99	18	37	37%	50	0	36	72%	16	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 start date of construction helps in tracking work progress.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
95	0	30	32%	50	0	29	58%	8	6		

Clearing Completed: Clearing of trees and underbrush is often required at a site compound to protect equipment or to improve site access. Clearing of the proposed compound area or access road is often needed to permit the delivery and installation of larger items at the site (e.g. shelter, generator, tower, cranes). Clearing is also often needed to protect equipment from damage caused by overgrowth.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
2	42	2	100%	2	8	2	100%	1	0		

Generator Foundation Complete: 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 and helps protect the generator from damage over time.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
31	60	4	13%	8	37	4	50%	0	3		

Fuel Tank Foundation Completed: This activity tracks when the foundation for a new fuel tank has been poured and tested, and when the foundation is ready for fuel tank placement. The fuel tank foundation allows for safe placement of the proposed fuel tank at a site and helps protect the fuel tank from damage over time.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
30	60	1	3%	10	35	1	10%	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 completed 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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
7	76	7	100%	7	33	7	100%	0	4		

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. Grounding systems prevent damage to equipment from lightning and/or electrical surges and are typically installed prior to electronic equipment delivery and installation.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
21	66	20	95%	20	23	19	95%	4	6		

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) and other components. Delivery of equipment cannot be made until appropriate shelter space is available.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
32	2	3	9%	9	0	3	33%	0	2		

New Generator Set: This activity tracks when a new generator has been set on its foundation, configured, and is ready for power connection. The new generator provides emergency backup power in case of commercial power failure.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
30	17	3	10%	8	2	3	38%	0	2		

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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
8	78	3	38%	8	35	3	38%	0	2		

Ice Bridge Installed: This activity tracks when the ice bridge posts and grating have been installed and grounded. The ice bridge provides protection and support for proposed antenna cabling. Due to the protection it provides, ice bridges are required to be installed before antennas and lines can be installed.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
2	42	2	100%	2	7	2	100%	0	1		

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.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
84	9	24	29%	42	3	24	57%	5	7		

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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
89	9	23	26%	47	3	23	49%	5	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				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
111	6	26	23%	50	0	25	50%	4	6		

New HVAC Installed: This activity tracks when new heating, ventilation, and air-conditioning equipment is installed in the form of wall-mounted or other units. Proper air-conditioning protects sensitive radio equipment from damage from extreme temperatures. Dual units provide needed redundancy in the event of HVAC failure.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
39	14	9	23%	14	0	6	43%	0	2		

Microwave Installation Completed: This activity tracks when all microwave equipment has been installed, powered up, configured, and tested at a communications site. Installation of the microwave equipment allows for the proposed connectivity to the site to be operational. It is a key component to having the site on the air.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
12	77	8	67%	10	31	8	80%	3	5		

Video Surveillance Completed: This activity tracks when the installation and configuration of site security video cameras is completed. Installation and configuration of the video surveillance equipment provides security and site awareness from the point of turn-up. This is critical for maintaining the security and operations of each site.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
37	51	34	92%	33	11	31	94%	9	14		

Access Control Completed: This activity tracks when the installation and configuration of site access control panels is completed. The access control system provides a centralized access control system for authorized personnel to gain entry to sites. This is critical for maintaining the security and operations of each site.

Total IS-1				Total Phase 1A				FY 2025			
Needed	TBD	Completed	% Completed	Needed	TBD	Completed	% Completed	Q1	Q2	Q3	Q4
36	53	34	94%	33	11	31	94%	10	13		

AUTHORIZED STRUCTURAL IMPROVEMENTS TO COMMONWEALTH OWNED TOWERS:
(CoMIRS Strategic Plan Roadmap Major Activity 6.2.10, “Build, lease, or upgrade radio sites”)

The CoMIRS Modernization Project continues to improve Commonwealth owned assets as part of the overall modernization of the statewide radio network. A major investment in Commonwealth infrastructure is the remediation of towers to address structural deficiencies under the proposed new loading for each tower. Addressing the remediation of towers is often a critical path activity for other tower construction activities.

Task Order 015 approved the tower remediation for existing towers at Richmond-Lenox Mtn and West Brookfield-Ragged Hill. Task Order 019 approved the tower remediations at Chester-Skyline Trail Fire Tower, Savoy-Borden Mtn, and Sunderland-Mt Toby. Task Order 025 approved the tower remediation at Warwick-Mt Grace. Planning and preparation for the remediation of these towers continued during this period, including field mappings, the creation of shop drawings, the cutting of steel reinforcement components, and the installation of modifications designed specifically for each tower.

At the completion of each tower modification, a third-party post-modification inspection (PMI) is conducted to confirm the structural upgrades have been completed as designed. Any deficiencies identified in the PMI are reported to the implementation contractor for correction before a passing post-modification inspection report is issued. During the 1st and 2nd Quarters of FY 2025, post-modification inspections were conducted at the following locations to confirm the proper modifications and improvements to the communications towers:

- West Brookfield-Ragged Hill Cable T (PMI conducted on 8/16/2024)
- Chester-Skyline Trail FT (PMI conducted on 9/6/2024)
- Savoy-Borden Mtn (PMI conducted on 9/16/2024)
- Sunderland-Mt Toby (PMI conducted on 10/1/2024)
- Warwick-Mt Grace (PMI conducted on 12/3/2024)

Tower remediation designs and PMI reports are posted to the project document repository on Microsoft SharePoint.

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 1st and 2nd Quarters of Fiscal Year 2025, the PMO authorized new expenditures from the Allowances in the amount of \$692,804.98, including:

TO 034 Framingham UPS Replacement – Site Improvements (\$333,018.22)

TO 034 funds the material and labor to replace the two (2) existing 50kW uninterruptible power supply (UPS) units with two (2) new 30kW Eaton UPS units at the Framingham GHQ site. This includes costs for providing the equipment, removal of existing equipment, installation, and associated electrical work necessary to transition to the new units. These UPS units will serve as redundant power sources for critical components of the new digital system. (Approved 9/10/2024)

TO 035 Harvard Richmond Ragged Toby – Site Improvements (\$87,068.62)

TO 035 funds engineering and other services for several Phase 1A communications sites. This task order includes foundation and mount mappings at Harvard-Pinnacle Rd, geographic surveys and FAA filings for Richmond-Lenox Mt, access road repair costs at Brimfield-Steerage Rock, DC power rectifier installation and commissioning at Sunderland-Mt Toby, architectural designs for temporary electrical cabinets at West Brookfield-Ragged Hill Cable TV, and site restoration for the West Brookfield-Ragged Hill Cable TV site after completion of construction. (Approved 7/2/2024)

TO 037 Misc 1A & 1B+ -- Site Improvements (\$272,718.14)

TO 037 funds 29 discrete changes of scope across numerous Phase 1A communications sites. Changes of scope under TO 037 include additional structural analysis reports, minor tower remediation work, minor mount remediation work, foundation mappings, mount analyses, biologist reports for nesting birds on a communications tower, additional site visits, cable tray mappings, additional construction drawings, additional lease exhibits, additional camera installations, additional electrical work, additional tree removal, temporary cabinet installation and grounding, fence and gate repair, access road modifications, and rock excavation. This task order also accounts for a marginal increase in costs for owner required zoning and implementation services at the Pelham-Industrial site. (Approved 10/11/2024)

Additionally, during the 1st and 2nd Quarter of Fiscal Year 2025 the PMO authorized payment for previously authorized expenditures in the amount of \$7,159,127.96, including:

TO 027 Change Order 004 Adjustments – Backhaul Improvements (\$594,802.48, approved 08/12/2024)

Contract Milestone 8.2 Final Site Design Complete (Services-8-2B2) (\$143,414.00, approved 09/25/2024)

TO 003 Change Order 003 Civil Scope Adjustments – Site Improvements (\$94,091.64, approved 08/22/2024)

TO 027 Change Order 004 Adjustments – Site Improvements (\$77,827.84, approved 08/16/2024)

Contract Milestone 8-4 System Installation (Infrastructure-8-4A1B) (\$3,800,808.00, approved 11/12/2024)

Contract Milestone 8.3 System Staging & Delivery (Ph1b, Ph1c, Ph1d Microwave Staging & DC Power Equipment) (Infrastructure-8-3B2, Infrastructure-8-3C2, & Infrastructure-8-3D2) (\$2,448,184.00, approved 12/20/2024)

During this period, the CoMIRS PMO and Motorola Solutions project managers agreed upon the following adjustments to existing Task Orders. These adjustments return previously authorized but currently unneeded Task Order line items to the overall Project Allowances financial bucket. These returned funds are available to be committed to other task orders yet to be issued.

TO 001 Foundation & Geotech (Tower Remediation, returned \$70,365.86 to Project Allowances)

TO 006 NEPA Adjustments (Permitting, NEPA & Compliance, returned \$2,439.03 to Project Allowances)

TO 009 NEPA Adjustments (Permitting, NEPA & Compliance, returned \$3,963.42 to Project Allowances)

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 2nd Quarter of FY 2025, \$6,705,222.66 has been authorized to be expended from Allowances, and \$2,797,318.14 has been expended (approved for payment). \$76,768.31 has been returned to the Allowances budget, leaving \$11,848,099.65 (64.1%) remaining in Allowances.

Allowance Category	Baseline Budget	Authorized	Expended	Returned to Allowances	Remaining (Baseline - Authorized + Returned)	Remaining Percent
Approved Additional Expenditures	\$ 28,752.00	\$ -	\$ -		\$ 28,752.00	100.0%
Backhaul Improvements	\$ 1,510,592.00	\$ 1,312,629.34	\$ 717,826.87		\$ 197,962.66	13.1%
Frequency Licensing	\$ 88,174.00	\$ -	\$ -		\$ 88,174.00	100.0%
Permitting, NEPA & Compliance	\$ 550,324.00	\$ 53,353.66	\$ 46,951.21	\$ 6,402.45	\$ 503,372.79	91.5%
Site Improvements	\$ 6,994,080.00	\$ 3,513,665.53	\$ 1,627,074.10		\$ 3,480,414.47	49.8%
Tower Remediation	\$ 9,304,632.00	\$ 1,825,574.13	\$ 405,465.96	\$ 70,365.86	\$ 7,549,423.73	81.1%
Total	\$ 18,476,554.00	\$ 6,705,222.66	\$ 2,797,318.14	\$ 76,768.31	\$ 11,848,099.65	64.1%

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 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.

During this reporting period, commercial leases were executed with two (2) sites listed in Part 2 of the Commercial Tower RFR. Details of those awards will be posted to COMMBUYS. 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 CoMIRS PMO has been developing plans to “upgrade” approved subscriber units that are digital radio system capable but lack one or more licenses or features that are required to properly operate on the CoMIRS+P25 system. The installation of these additional features 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 PMO expects to enter into an agreement on upgrading these radios in Q3 of FY 2025. Motorola Solutions has indicated that certain older Motorola radio models may only be upgraded through June 2025.

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 1st and 2nd Quarters of Fiscal Year 2025, the PMO continued outreach to user agencies that have subscriber radio fleets that will need upgrading, provisioning, and programming to use the new digital system. Additionally, to transition to the new CoMIRS+P25 system many core-connected console agencies will need to coordinate self-financed site infrastructure upgrades to meet the minimum requirements of the new system. The CoMIRS PMO has been available to help answer questions regarding these infrastructure and radio subscriber investments. The CoMIRS PMO is also working with user agencies on changes to how their users will use the new system, including revising talkgroups to better support the operational use of the new system.

Additionally, the CoMIRS PMO continued efforts to promote interoperability across agencies and communities in the Boston metropolitan area. The CoMIRS PMO is in support of an option that provides seamless integration across the CoMIRS+P25 system and the recently implemented City of Boston P25 system. In October 2024, the CoMIRS PMO provided a detailed evaluation of options including coverage provided by different system integration approaches. Following up on the recommendation to pursue a “single system” approach, the CoMIRS PMO has helped draft a memorandum of agreement that can be used to govern this system integration.

In June and July 2024, the CoMIRS PMO coordinated the execution of a four-party memorandum of agreement among the Department of Conservation and Recreation (DCR), the Massachusetts State Police (MSP), the Executive Office of Public Safety and Security, and the Executive Office of Technology Services and Security. This agreement establishes the conditions for the use of the new digital system by DCR in part in exchange for CoMIRS access to DCR lands and tower space for CoMIRS communication equipment. Related to this agreement, the CoMIRS PMO expects to facilitate the execution of around twenty (20) DCR high ground permits for use of DCR lands for CoMIRS communications equipment. Seven (7) draft high ground permits have been submitted to DCR for review and approval to support construction activities in western Massachusetts as part of the CoMIRS Modernization Project. The MSP may also utilize this multi-party MOA to request high ground permits for communications sites used by the State Police outside the scope of the CoMIRS Modernization Project.

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 with 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 on-going.

On July 19, 2024, the CoMIRS PMO, representatives of the MSP, and the Secretary of Technology Services and Security participated in a radio system transition event hosted by the Franklin Regional Council of Governments. This event was attended by local, county, state, and federal representatives and marked the successful transition of primary communications from the aging Franklin County Emergency Communications System (FCECS) to the CoMIRS system.

The CoMIRS PMO continues to serve in a coordinating role for the CoMIRS project and system, facilitating and responding to numerous information and usage requests from agencies throughout the Commonwealth.

MONITORING AND AUDITING OF THE PROJECT BUDGET AND EXPENDITURES:

During 1st and 2nd Quarters of Fiscal Year 2025, 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 1st and 2nd Quarters of FY 2025 are listed below. The reported expenditures are limited to those made between July 1, 2024, and December 31, 2024. All stated expenditures were paid from the Enhanced 911 Trust account. A full and complete financial report for all Fiscal Year 2025 transactions will be included in the Fiscal Year 2025 Annual Report.

CoMIRS Expenditures -- FY 2025, 1st and 2nd Quarters	
Row Labels	Sum of Amounts
E16 Administrative Expenses	\$ 4,257.28
Indirect Cost Recoupment	\$ 4,257.28
E19 Fees, Fines, Licenses, Permits & Chargebacks	\$ 2,250.00
SBA PROPERTIES, LLC	\$ 2,250.00
U05 IT Temporary Staff Augmentation Professionals	\$ 53,447.16
MCINNIS CONSULTING SERVICES	\$ 53,447.16
U07 Information Technology (IT) Equipment Purchases	\$ 4,710,943.96
MOTOROLA SOLUTIONS, INC	\$ 4,710,943.96
U11 Information Technology (IT) Contract Services	\$ 285,058.62
MISSION CRITICAL PARTNERS LLC	\$ 152,439.37
SWBAILEY CONSULTING LLC	\$ 132,619.25
Grand Total	\$ 5,055,957.02

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