

WASHINGTON STATE PATROL
**LAND MOBILE RADIO
SYSTEM REPORT**

REPORTING PERIOD:
JANUARY 1, 2025 - JUNE 30, 2025



SUMMARY

The Washington State Patrol (WSP) was appropriated \$6,575,000 from the State Patrol Highway Account (SPHA) in the 2023-2025 Biennium for Land Mobile Radio (LMR) system replacement, upgrade, and other related activities.

Engrossed Substitute House Bill 1125 requires the WSP to provide semiannual reports, beginning January 1, 2024, on progress related to the projects and activities associated with the LMR system, to include governance structure, outcomes achieved in the prior six-month period, and how the activities are being managed. This report is the fourth report for the 2023-2025 Biennium and covers the period of July 1, 2024, through June 30, 2025.

The current appropriation provided to WSP for the LMR system is consolidated from three separate decision packages. Two of these decision packages are distinct projects and do not have interdependencies (LMR System Upgrade Agreement and LMR Standard Radio Replacement), while the third (Communication Infrastructure) encompasses three interconnected projects (LMR Base Station Replacement, Microwave Radio Replacement, and Alternative Power Units); however, all aspects of each project support the LMR System. The funding distribution (including General Fund) for the three decision packages and expenditures to date are as follows:

Project	Budget	Expenditures to Date (through 06/25/25)
LMR System Upgrade Agreement	\$1,434,000	\$1,457,899
Communications Infrastructure	\$4,485,000	\$4,265,309
Standard Radio Replacement*	\$953,700	\$395,971
Current Total	\$6,872,700	\$6,119,179

LMR PROGRAM GOVERNANCE

Overview

Provide program governance over the WSP Public Safety Land Mobile Radio (LMR) system, which is a vital statewide communications network that provides real-time communications to support Public Safety response throughout the state of Washington.

Structure



Roles and Decision-Making Process

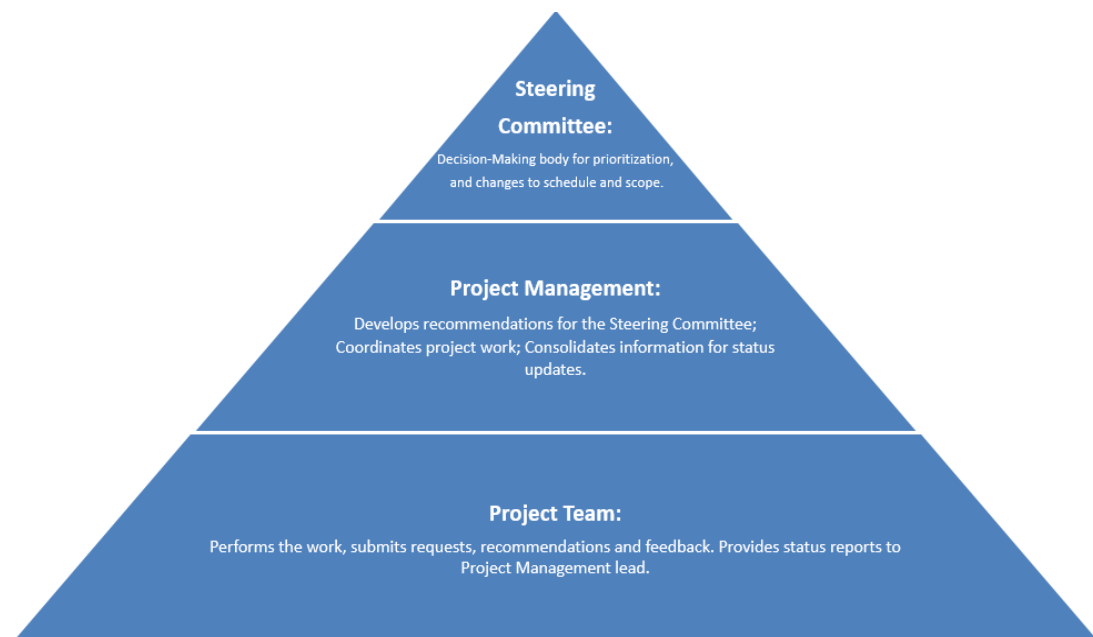
Governance (Steering) Committee Roles:

- Approved project deliverables.
- Make decisions on matters pertaining to scope and schedule.
- Attend steering committee meetings to address questions, issues, risks, and concerns identified by the project.
- Set priorities and resolve issues.
- Represent the interests and concerns of WSP stakeholders.
- Track issues that may affect stakeholders and their organizations.
- Identify, secure, and assign project resources.
- Provide governance structure for prioritization of rollout.

Decision Making Process: Decisions will be made based upon a majority approval or via consensus, with each area represented. Governance/Steering committee meetings are used to address concerns and reservations before moving forward with recommendations.

In cases where a full consensus or majority cannot be agreed upon, the concerns or reservations will be provided to each respected Bureau Commander for guidance and/or determination. Ultimately, the Chief will have final decision.

Accomplishments: Charter has been approved that defines roles and responsibilities for each stakeholder. ESD has established a technical committee that provides support for/or clarification to the governance committee.



Project Updates

LMR System Upgrade – Complete

(In Scope, On Schedule, Over Budget)

The WSP received \$1,434,000. This funding enabled WSP to enter into an agreement with Motorola for upgraded land mobile radio equipment including software and hardware. The System Upgrade Agreement (SUA) is a six-year agreement that provides three full system updates during those six years at a significantly reduced cost compared to one-time upgrades. Upgrade activities commenced in October 2023.

- The LMR System Upgrade has been completed within Scope and Schedule as of January 2024.
- The table below represents the funds spent in the 23-25 biennium.

LMR System Upgrade Agreement	Total
	\$1,457,899

Communications Infrastructure – Complete

(In Scope, On Schedule, within Budget)

WSP received \$4,485,000 to continue replacement and upgrade of aging public safety communications system hardware. This includes replacing 1/3 of the WSP LMR base stations, repeaters, microwave radios, site batteries, and associated support equipment, such as network routers and switches, over three biennia.

- LMR Base Station Replacement: **Complete**
 - All 76 purchased GTR Base Stations are installed.
 - The table below represents the funds spent in the 23-25 biennium.

LMR Base Station Replacement	Total Spent
	\$1,666,006

- Microwave Radio Replacement: **In Scope, On Schedule, within Budget**
 - Cisco Switches – 48 switches **Complete**
 - 48 of the 48 Cisco switches have been installed.
 - The contracted vendor is working with the WSP team on the correct configurations and design required for the remaining switches.
 - The remaining work totals approximately \$65K
 - Nokia Microwave Radios – 102 radios **Complete**
 - All 102 of the 102 Microwave radios have been installed.
 - Not 104 radios as incorrectly reported last report
 - NetGuardian – 95 network monitoring devices - **Complete**
 - All 95 of the 95 network monitoring devices have been installed.
 - The table below represents the funds spent in the 23-25 biennium.

Microwave Radio Replacement	Total Spent
48 Cisco Switches	\$345,388
102 Nokia microwave radios	\$1,608,854
45 NetGuardian alarm monitoring devices	\$324,298
Total	\$2,278,540

- Alternative Power Units: **Complete**
 - All of the 23 of the 23 site battery systems have been installed.
 - The table below represents the funds spent in the 23-25 biennium.

Alternative Power Units	Total Spent
23 Site Battery Replacements	\$320,763
Total	\$320,763

Standard Radio Replacement – Not Complete

(In Scope, Behind Schedule, within Budget)

WSP received appropriated funding tied to an anticipated Certificate of Participation (COP). The appropriation allows replacement of all mobile (in vehicle) and portable radios that are Out of Service as of December 31, 2023.

- Mobile Radio (In Vehicle)
 - 1399 APX 8500 – mobile (cars)
 - 40 APX 8500 – mobile (motorcycle)
 - 50 APX 1500 – mobile (Academy track car)
 - 1399 APX 8500 radios - cars - **Complete**
 - 1322 of the 1382 APX 8500 radios have been deployed totaling 96% deployment.
 - The remaining radios are assigned to FTE positions and are waiting Academy class graduations for deployment. This is now a normal maintenance and operational function.
 - The replaced APX7500 mobile radios have been sent to WA State Surplus.
 - 40 APX 8500 radios Motorcycle – **Not Complete**
 - 4/40 radios installed.
 - Motorcycle vendor installation scheduling constraints have impacted radio installation in the users' motorcycles.
 - WSP radio staff are being identified to install radios (to relieve this issue) and will coordinate with the users until installations are complete.
 - 50 APX 1500 Academy Track Cars – **Complete**
 - All 50 of the 50 APX 1500 radios have been deployed for academy track car use.
- 1388 APX NEXT Portable Radio (on belt) - **Complete**
 - 1331 of the 1388 APX 8000 portable radios have been issued and deployed, totaling 96%.

- The remaining radios are assigned to FTE positions and are waiting Academy class graduations for deployment. This is now a normal maintenance and operational function.

The replaced mobile APX 7500 mobile and portable APX 7000 portable radios have been processed through to WA State Surplus.

- We received our Certificate of Participation (COP) payment schedule from the Office of the State Treasurer (OST). The full repayment schedule is through 2031 with a total payment of \$26,437,577. In June 2025, we paid our first COP payment to OST for a total of \$381,743.
- In addition to the COP payment, there was an additional \$14,228 in radio replacement expenditures that were not included in the COP sale as the invoices were paid after the deadline for the COP paperwork to be submitted to OST.