

Radio Projects Status

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Project updates are **bolded**

Radio Projects Completed in 2018

Statewide Interoperable Communications Grants

- Microwave network (Allow for system redundancy)
- VTAC National Interoperability system
- All-band radios purchased
- Mount Kisco site added to County Police System



New Radio Systems

Contract signed with Motorola to replace:

- * Fire/EMS/DOT UHF trunk system
- * 60 Control dispatch / paging consoles
- * Low band paging system with a UHF paging system
- * County Police dispatch and interop systems (F1/F3)
- * Voice Radio network for the DPW&T CAD/AVL system
- * Includes a contingency plan to replace the affected systems with an equivalent system utilizing 700 MHz frequencies should T-Band frequencies be withdrawn in 2021
- * Replacement and expansion in two parts

New Radio Systems

T-Band Withdrawal

T-Band (UHF) frequencies may be withdrawn in 2023.

- * H.R. 5085 was introduced by Representatives Eliot Engel and Lee Zeldin on February 27, 2017. If enacted as drafted, the Act would repeal section 6103 in Title VI of P.L. 112-96 which would allow us to stay on T-Band
- * S.3347 was introduced in the Senate by Senator Markey and Co-Sponsored by Senators Schumer and Gillibrand “to repeal the section of the Middle Class Tax Relief and Job Creation Act of 2012 that requires the Federal Communications Commission to reallocate and auction the T-Band spectrum”



New Radio Systems

Construction Stage 1 & 2(2018-2020)

- * Funded for \$47M
- * Replace and expand:
 - * Fire/EMS/Transportation UHF Trunk System
 - * 60 Control Dispatch Consoles
 - * Fire Paging System (Low Band Replacement)
 - * Voice Portion of Transportation CAD/AVL System
- * Replace in kind:
 - * County Police Dispatch and Interop System (F1/F3)
- * Replace all mobiles, portables and control stations provided with the original UHF trunked system.

Trunk & Paging System Expansion

Stage 1 & 2 Sites

The Trunk System will utilize existing nine sites plus add eight sites to achieve on-street portable radio coverage.

The UHF Paging System will utilize 18 sites.

Existing Sites

Adams Lane	Pound Ridge
Benefield Blvd	Peekskill
Dunwoodie	Yonkers
Fox Lane	Bedford
Grasslands	Valhalla
Maryknoll	Ossining
Mohansic	Yorktown
Mountain Lakes	North Salem
Summit Ave	Port Chester

New Sites

Hanger E	Airport
Courthouse	White Plains
Guard Hill	Bedford
Alpine	Alpine, NJ
Crosby Rd	North Salem
Hardscrabble	Chappaqua
Montrose VA	Montrose
WHUD	Peekskill
Winged Foot*	Mamaroneck
*Paging only	

Site locations are tentative pending agreements with site owners

Trunk & Paging System Expansion

Stage 3 (2021-2026)

- * Move to 700 MHz if T-Band will be reallocated.
- * **Add 35 sites to optimize critical in-building portable coverage for light and medium buildings**
- * Large buildings may require individual solutions.
- * Invite local police departments onto the trunk system
- * Decommission low band paging system when all users have moved to the new system or when base stations cannot be repaired or replaced

NOTE: Fire Ground Frequencies & Operations Remain Unchanged

Paging System

Near Term Challenges

Paging system:

- * **The new UHF system will have three frequencies in the north and one frequency in the south.**
- * **Two additional south frequencies will be added when suitable frequencies are found and licensed.**
- * **New UHF and existing Low Band systems will be simulcast until agencies have replaced equipment or the existing system fails and cannot be repaired.**

Agency Planning:

Options: Agencies may consider available pager options for early in-building coverage using available pager base units



Timeline

- * Detailed Design will be completed in the First Quarter of 2019
- * Construction starts in the second half of 2019
- * Stage 1 & 2 will be completed by the end of 2020
- * Stage 3 planned for completion in 2026



Resources:

- * Project updates posted on DES website:
- * <https://emergencyservices.westchestergov.com/radio-systems-updates>
- * DES is working with the Fire and EMS Advisory Board on this project.

Questions?

