



# Nevada Shared Radio System Update

Washoe County Board of County Commissioners meeting  
November 10, 2020



# NSRS Background

## NSRS Overview:

- The NSRS provides interoperable public safety radio communications to 40+ agencies and organizations around the state of Nevada.
- NSRS infrastructure includes 125+ radio sites across the state.
- A new digital P25 Radio System is currently being constructed to replace the current twenty-year-old, "end-of-life" system.
- Washoe County currently has 12 sites
  - Expanding to seventeen P25 sites after new (greenfield) sites are constructed.

## Three Partners:

- NDOT, NV Energy and Washoe County
  - Public, Private Partnership
- Washoe County's System Purchase Agreement with Harris Corp. is one of three that will build the Statewide, interoperable radio system.
- The Three Partners have signed an agreement, the NSRS agreement, that sets a governance structure and service level for the statewide system.



# NSRS Background

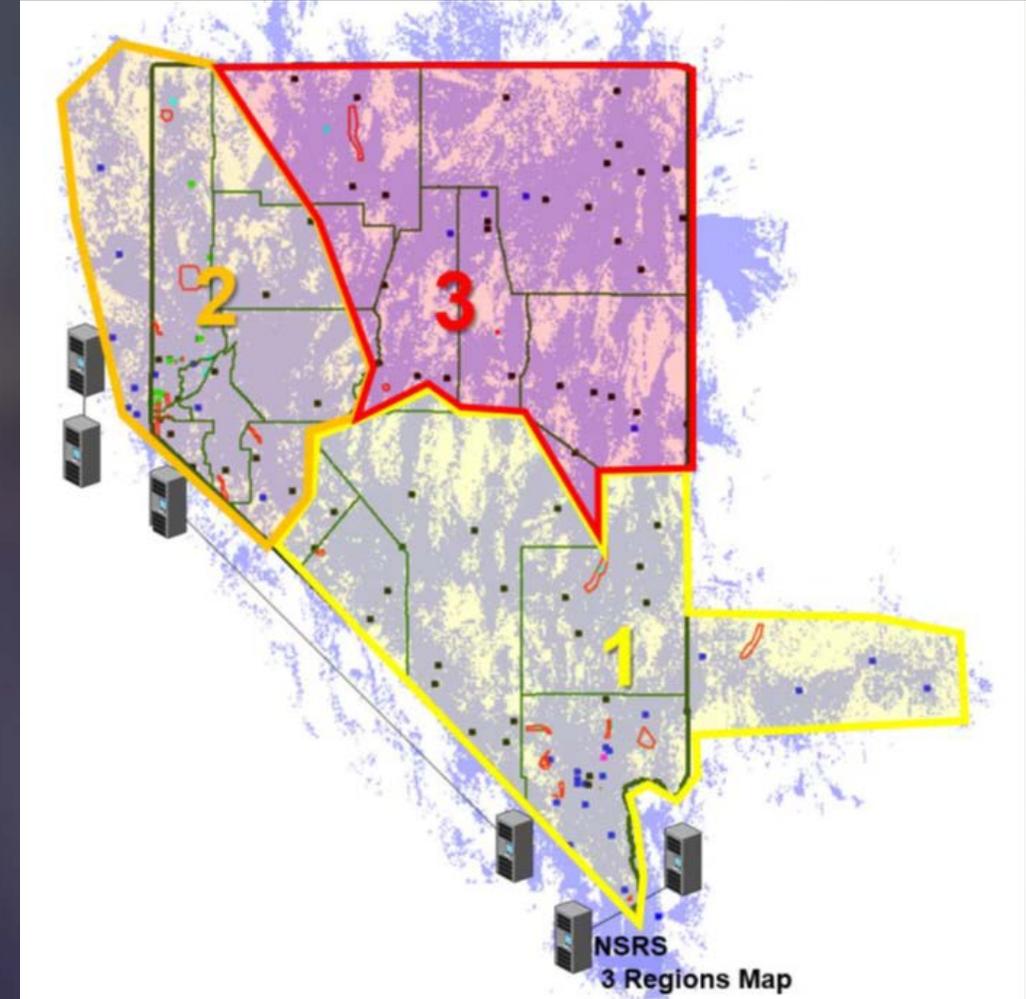
- Washoe County activities:
  1. Nevada Shared Radio System Agreement, May 2017
  2. System Purchase Agreement with Harris Corporation, September 27, 2018.
    - a. Agreement to build Washoe County's portion of the NSRS
  3. Washoe County P25 Radio System Interlocal Agreement, June 2020.
    - a. Agreement with 15 local/regional agencies – establishes an operational and management structure and an opportunity for signing agencies to participate in system governance
    - b. Provides framework for allocation of system costs proportionate to each agency's use of the system.
  4. General Obligation Bond financing, September 2020.
    1. Par amount \$9,135,00 + premium \$1,411,219.95 = \$10,546,220
    2. Interest rate 1.38%
    3. Fifteen-year repayment schedule



# System Implementation Schedule

## Project Schedule

- Project kick-off: **November 2018**
- Region 0 Network Switching Center Install completion: **January 2020**
- Region 2 Design Phase: **In Progress**
  - Expected Completion **December 2020.**
- Washoe County site development/construction: **March 2020** → September 2021
- Washoe County P25 Radio System Installation: March 2021 → October 2021
- Region 2 installation complete, cutover and acceptance: May 2022
- Final statewide system acceptance: April 2023





# Project Budget

Two “Buckets” for project payments

	Site Civil Allowance payments	Milestone Payments	Total
<b>Total paid</b>	\$483,938	\$2,523,994	\$3,007,932
<b>To be paid</b>	\$6,549,285	\$5,436,058	\$11,985,343
<b>Total</b>	\$7,033,223	\$7,960,052	\$14,993,275

- **Milestone Payments** are dependent on L3Harris performing certain actions as defined in the System Purchase Agreement. Generally related to Radio System equipment/technology.
- **Site Civil Allowance Payments** require a **Change Order** to access the available funds or to proceed with actions that would require the funds. Generally related to green- or brown-field site construction and existing site remediation.



# Project Milestone payments

1. System Purchase Agreement Signing: **\$533,981.25 (September 2018)**
2. Commence Network Switching Center (NSC) Install: **\$796,005.24 (November 2019)**
3. NSC Install Complete: **\$1,194,007.86 (January 2020)**
4. Approval of Detailed Design Review: \$918,728.31
5. Region 2 Factory Staging: \$1,194,007.86
6. Region 2 shipment of Radio System Equipment: \$1,592,010.48
7. Region 2 Radio System Installation complete: \$1,194,007.86
8. Final System Acceptance: \$537,303.54



# Project Change Orders

## Change Orders for Washoe County

1. Milestone Payments Schedule – No Cost

### 2. Payment for Services related to site surveys

a) Notice to proceed on site surveys - \$322,048

3. **Site Remediation**, notice to proceed - \$45,304.43

4. Console feature update and invoicing - \$18,204

5. Extend Console pricing to all console purchases through the Harris Contract

6. Console Router Model change – No cost

### 7. Greenfield site civils

a) Notice to proceed with not-to-exceed \$3,819,300.02 for greenfield site construction

b) Cost is within contract pricing

### 8. Microwave System

a) Notice to proceed with not-to-exceed \$2,331,727.35 for new microwave system

9. Smart Breaker design - \$6,910



# Project Finance

- Washoe County obtained General Obligation Bond financing in September 2020.

- Par amount \$9,135,00 + premium \$1,411,219.95 = **\$10,546,220**
- Interest rate 1.38%
- Debt + interest: \$11,663,962 ← *Agency debt service payments repay debt over 15 years*
  - Fifteen-year repayment schedule

- P25 Radio System Interlocal Agreement

- Agency Pre-payments: **\$3,190,942**
- Agency Debt Service payments

- **\$7,526,685:** Payments are proportional to agency use of the system as of May 1, 2020.
- Washoe County's portion of Debt Service payments is: **\$4,137,277.33 or ~\$275k/year over 15 years**



# Project payment Sources

	Funding Source				
Fiscal Year	Washoe County	WCRCS Infrastructure	Partner Agency Pre-payments	Bond Proceeds	Total
FY19	\$ 533,981				\$533,981
FY20	\$ 275,243	\$750,000			\$1,025,243
FY21			\$800,000	\$648,707	\$1,448,707
Total payments					\$3,007,931
		Remaining funds	\$2,390,942	\$9,897,513	\$12,288,454

*The table above reflects all payments to date and remaining funds by source. All remaining project payments will be made from Partner Agency Pre-payments and Bond Proceeds.*



# Summary

- Overall project Status for Washoe County: **On Track**
  - Complete: Network Switching Center (NSC) installation
    - Site Surveys
    - Site remediation on NSC sites
  - Schedule: **On track – need to remedy issues in Region 1 to prevent further delay.**
  - Budget: **On Track**



# Questions?

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