STRATEGIC PLANNING WORK MEETING AGENDA
OF THE CITY COUNCIL OF LAYTON, UTAH

PUBLIC NOTICE is hereby given that the City Council of Layton, Utah, will hold a **Strategic Planning Work Meeting, Wednesday, September 30, 2020, at 7:00 PM,** at Fire Station 51, 530 North 2200 West, Layton, Utah.

ITEMS FOR DISCUSSION:

1. Paramedic Services

2. Dispatch Services

ADJOURN:

Notice is hereby given that by motion of the Layton City Council, pursuant to Title 52, Chapter 4 of the Utah Code, the City Council may vote to hold a closed meeting for any of the purposes identified in that Chapter.

Date:_____ By:_____
Kimberly S Read, City Recorder

LAYTON CITY does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in the employment or the provision of services. If you are planning to attend this public meeting and, due to a disability, need assistance in understanding or participating in the meeting, please notify the City eight or more hours in advance of the meeting and we will try to provide assistance. Please contact Kiley Day at 437 North Wasatch Drive, Layton, Utah 84041, telephone number 801 336-3825 or 801 336-3820.

LAYTON CITY COUNCIL MEETING
AGENDA ITEM COVER SHEET

Item Number: 1.

Subject:
Paramedic Services

Background:
N/A

Alternatives:
N/A

Recommendation:
N/A

LAYTON CITY COUNCIL MEETING
AGENDA ITEM COVER SHEET

Item Number: 2.

Subject:
Dispatch Services

Background:
N/A

Alternatives:
N/A

Recommendation:
N/A

ADDITIONAL

PACKET

ATTACHMENTS



LFD PARAMEDIC SERVICE DELIVERY

Davis County Advanced Life Support Transition Plans

LFD PARAMEDIC DEPLOYMENT MODEL

"TIERED RESPONSE"



- Paramedic Engines
  - Station #51 and Station #52
- A-EMT Ambulances
  - A51, A511, A52, A53, (A533)
- Overlapping Incidents - 53.9% (3758 / 6963)
- Multi Unit Responses - 60% (11,516 / 6963)
- Since 2005 - EMS Incidents have increased 170%
- Proposed Additional PM Engine (ME53)
  - January 2022

WHAT IS AN ADVANCED EMT?



- Advanced EMT licensure - Ambulances
  - 140 hours + EMT-basic
- Skillset
  - Vital Sign Interpretation
  - IV Therapy
  - Limited Medication Administration
  - Basic Life Support / Basic Airway Mgmt
  - Basic Trauma Care

WHAT IS A PARAMEDIC



- Paramedic licensure - Medic Engines
  - College Level Curriculum incl. Multiple Pre requisite courses
  - 1000-1200 Didactic & Clinical hours
- Skillset
  - Advanced Cardiac Life Support incl. 12-lead Interpretion
  - Advanced Airway / Intubation
  - Advanced Pediatric & Trauma Care
  - Advanced Medication Administration

LFD ADVANCED PARAMEDIC PRACTICE

- Ventilator Management
- CPAP - BiPAP
- High Flow Nasal Cannula (HFNC)
- Continuous Medication Infusion
- Advanced Practice Medications













RAPID SEQUENCE INTUBATION (RSI)

- Original Pilot Program / Study in Utah
- Now the "Benchmark" for Practice
- Facilitate Intubation Utilizing
  - Powerful Sedative
  - Induction of Paralysis
- State Medical Director Quality Oversight

TACTICAL PARAMEDICS



- Began Program in 2004
- AEMT's & Paramedics
- Functioning SWAT Team Member
- Develop Incident Medical Response Plan
- Perform Basic "Self Care" Training
- Rescue Task Force (RTF)

ENTERPRISE FUND

- Revenue generated by EMS operations
  - Transport Revenue
  - Grants
  - County Mill Levy
- EMS Equipment, Supplies, & Medications
  - Ambulances & Medic Engines



DAVIS COUNTY SHERIFF'S OFFICE

- First PM Agency in Davis County - 1978
- Currently Provides Service to…
  - South Weber, HAFB, Clinton, Sunset, Clearfield, West Point, Syracuse, Kaysville, Fruit Heights, Farmington
  - "Back-up" to Layton FD and South Davis Metro FD



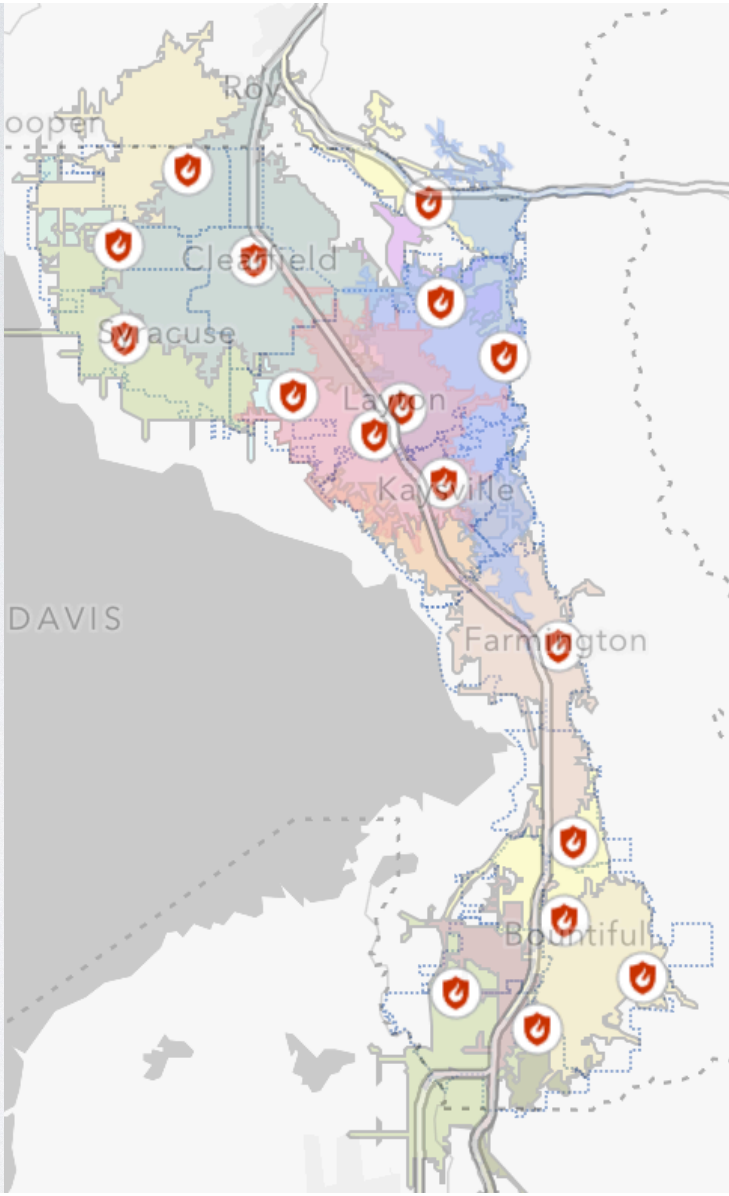


COUNTY WIDE PARAMEDIC PROVIDERS

- Current PM Providers
  - Davis County - Original provider
  - Layton Fire - 2001
  - South Davis Metro FD - 2005
- Funding - Property Tax Mill Levy
  - Mill levy does NOT cover all paramedic expenses for ANY agency
  - Shared based on per PM unit agreement
  - Layton share in 2020 - $768,176.00

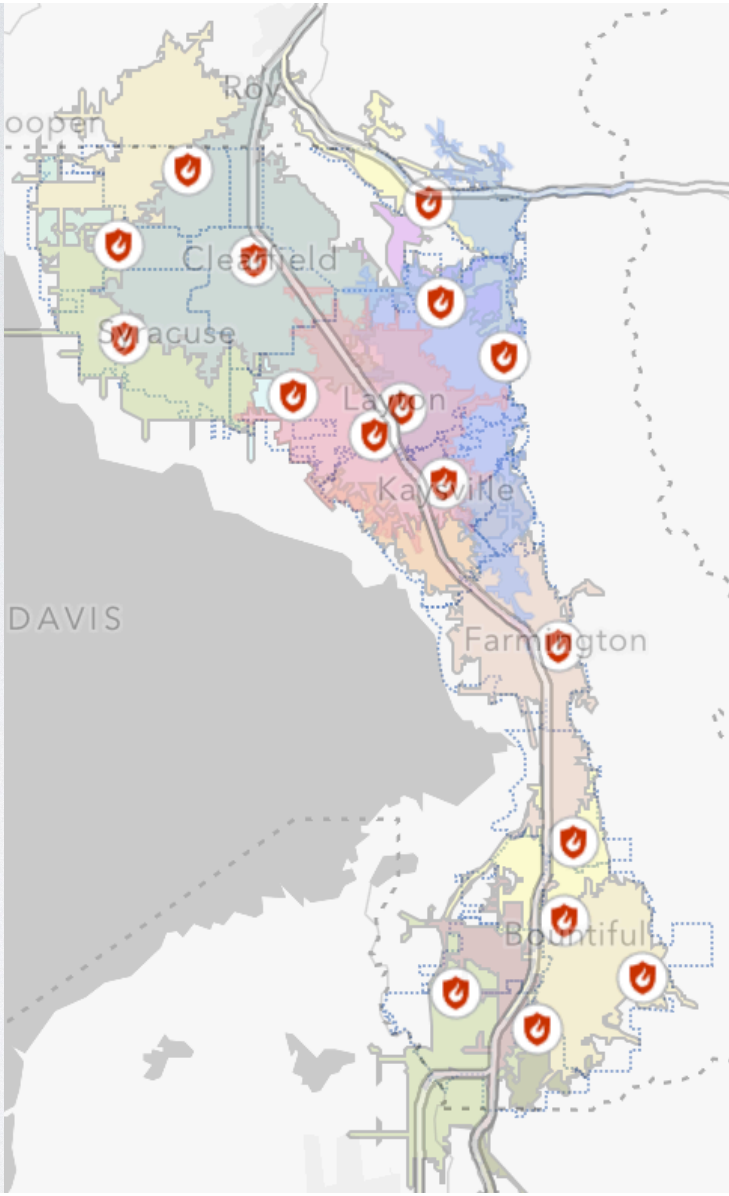
WHY CONSIDER CHANGE?

- Discussions began Fall 2019
  - City & County Leaders / Fire / Davis County Sheriff's Office
- Evaluating Current and Future Dispatching & Paramedic Service Strategies
- Determining Effectiveness of Transitioning from Sheriff's Office to Fire Service Based Paramedic Delivery



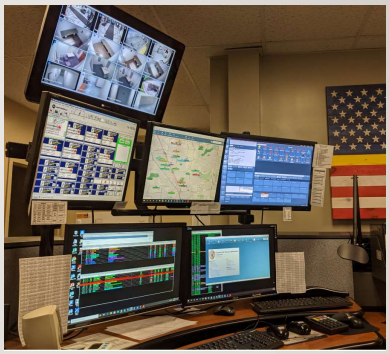
WHY CONSIDER CHANGE?

- Insufficient PM units
- Greater local influence of EMS delivery
- Feasibility based on
  - Response times (< 8 min)
  - ALS call volume w/growth predictions
  - Improved Interoperability & Mutual Aid



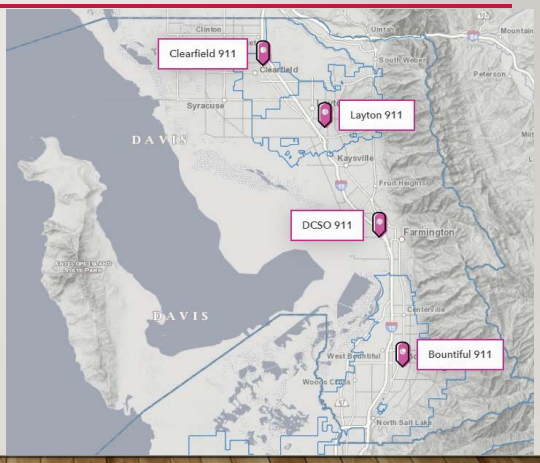


LAYTON 9-1-1



9-1-1 CENTER / PSAP / DISPATCH CENTER

- Layton 911 – Layton PD and Fire
- Clearfield 911 – Clearfield PD and North Davis FD
- Bountiful – Bountiful, WX, NSL, W Bountiful, Centerville PDs, South Davis Metro Fire
- DCSO 911 – Kaysville, Farmington, Syracuse, Clinton, Sunset, South Weber, West Point, Fruit Heights, UHP, Forest Service, Courts, Other State Agencies



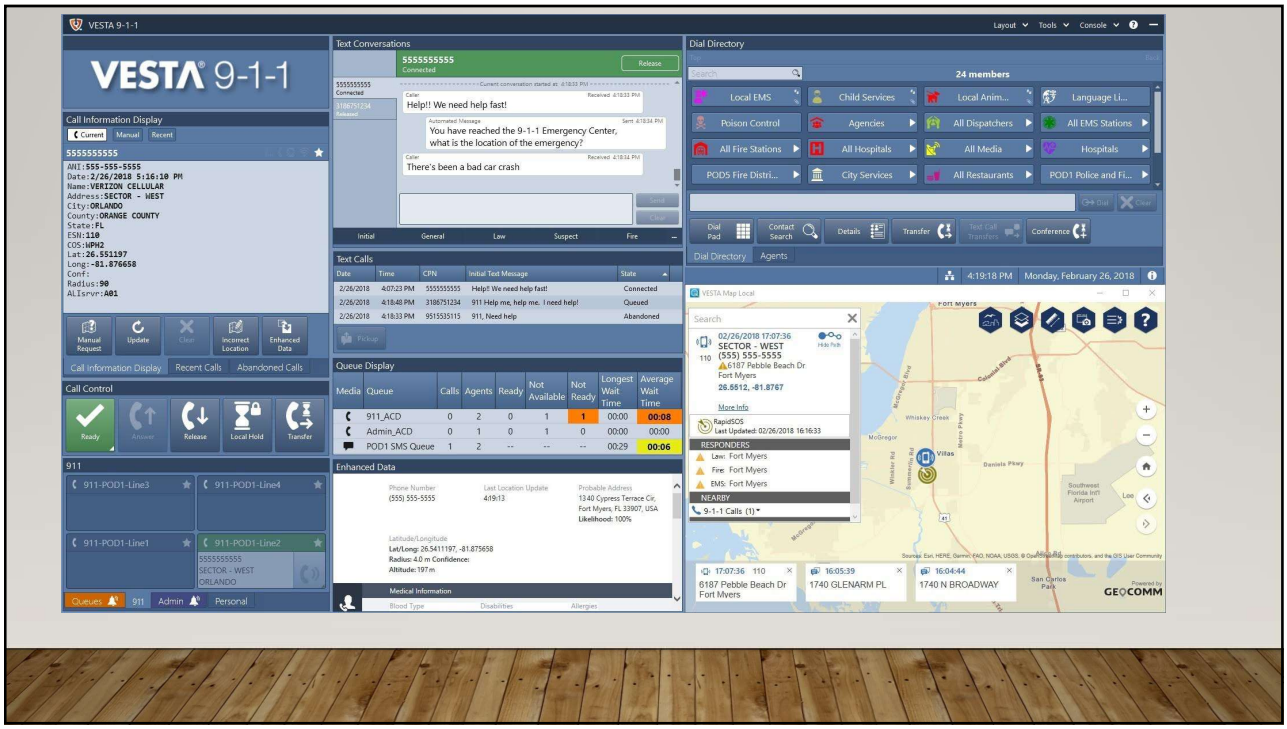
LAYTON 9-1-1 BY THE NUMBERS

- Annual 9-1-1 calls: 21,189 (~58 a day)
- Annual Administrative calls: 65,160 (~179 a day)
- 9-1-1 fees collected: ~$516,000 (~36% of total budget)
- 12 Dispatchers, 3 Supervisors, 1 Communications Manager
- Staffing level: 2-5, depending upon time of day, day of week
- Average years of experience: 14

VESTA PHONE SYSTEM

- Handles all incoming and outgoing 9-1-1 and Administrative phone calls
- Displays location and phone number of 9-1-1 caller
- Shared system managed by Layton and Davis County
- Next Generation 9-1-1
  - Text-to-911
  - Fully Redundant
- Future Plans





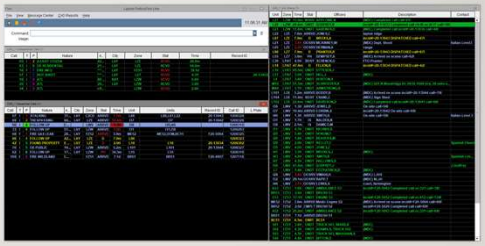
MOTOROLA RADIO SYSTEM

- Shared Statewide System
- Operated by UCA
- Fully Interoperable with neighboring / regional agencies
- Future plans



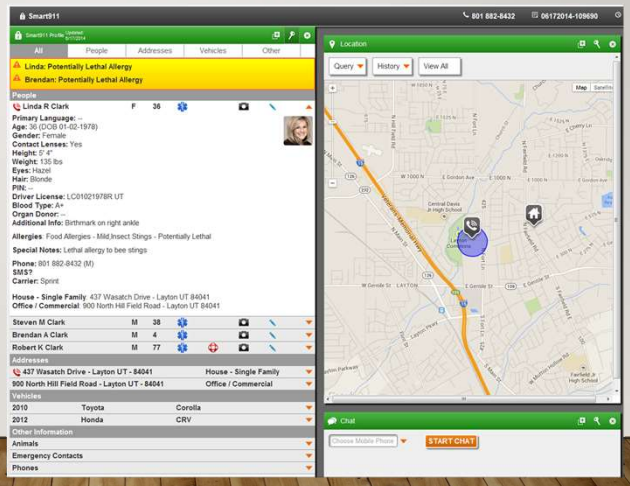
CAD – COMPUTER AIDED DISPATCH
RMS – RECORDS MANAGEMENT SYSTEM

- Stand-alone Spillman System
  - Clearfield, DCSO also use their own, separate Spillman systems. Bountiful uses E-Force
- Layton has 18 years of experience with Spillman



OTHER MAJOR SYSTEMS

- Smart911
- RapidSOS
- Rave Alert
- Avigilon Cameras

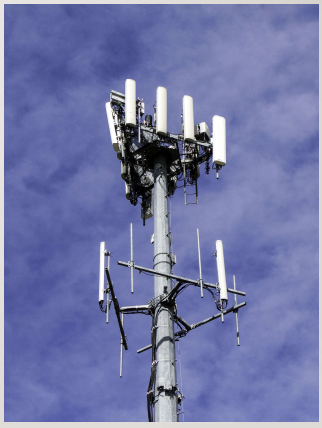


STRENGTHS / CHALLENGES

- Strength – Highly trained, experienced, dedicated staff
- Strength – Budget to support the tools and training to do the job effectively
- Challenge – Data Sharing
- Challenge – 9-1-1 Transfer Calls

WHAT CAUSES TRANSFERS? WHY ARE THEY BAD?

- Three Causes:
  - Cell phone signals
  - Freeway bisects cities/PSAP jurisdictions
  - Moving incidents
- Why are they bad?
  - Frustrated callers
  - Slower response
  - Potential for dropped calls, missed information



TRANSFER CALLS & THE LEGISLATURE

- Current Landscape

PSAP	2018 Xfer	2018 911 calls	Xfer %
Bountiful	2260	22586	10.0%
Clearfield	2304	11201	20.6%
DCSO	3455	33050	10.5%
Layton	**2243**	**18352**	**12.2%**
State	111529	944637	11.8%

TRANSFER CALLS & THE LEGISLATURE

- Statewide goal, as outlined in SB130 (2020)
  - No more than 2% outbound transfers from any PSAP statewide
  - 4 year implementation plan (by June, 2024)
  - Carrot and Stick
    - Additional funding available for PSAPs meeting targets
    - Required audit with no funding if target not met

ACHIEVING 2%

- In order of effectiveness:
  - Policy/Procedure changes
  - CAD-to-CAD
  - Shared CAD Platform
  - Physical Consolidation (North/South)

ACHIEVING 2%

- In order of effectiveness:
  - Policy/Procedure changes ✓
  - CAD-to-CAD ✓
  - Shared CAD Platform
  - Physical Consolidation (North/South)
- Progress July 1 through September 22: 11.8% >>> 6%

NEXT STEPS

- Shared County-wide CAD/RMS Platform
  - Upgrade to Single Spillman System (with redundancy) is ~$500,000 one time, $400,000 to ~$500,000 ongoing annually
  - RFI/RFP for new system
  - Benefits – Shared data
    - Officer, Firefighter and Dispatcher awareness of cross border incidents and persons
    - Virtually eliminates in-county 9-1-1 transfers
    - 9-1-1 Center Redundancy
    - Supports Paramedic Program Restructuring

NEXT STEPS

- Longer Term: Physical Consolidation to 2 centers in the county
  - North/South
  - Benefits
    - Increased ability to handle multiple large scale incidents
    - More consistency
    - Specialized personnel roles
    - Better Citizen Service
    - Potential Cost Savings in Long Run