



City of Dallas

Update on P25 Radio Project

**Public Safety Committee
February 8, 2021**

William Zielinski, Director
William Snead, Assistant Director
Information and Technology Services
City of Dallas

Purpose/ Objectives



- Brief the Public Safety Committee on items in upcoming change order
- Brief the Public Safety Committee on the Status of the P25 Radio System Upgrade Project
- Provide the Public Safety Committee with an overview of the P25 Radio System Upgrade approved in 2017



Presentation Overview



- This briefing is to give the council an overview of the P-25 Project and update them on what guidance and assistance we will need from them
- Key Items to Cover
 - Upcoming Change Orders
 - ILA Blanket Approval suggestion
 - Issues, Challenges and Risks
 - Current Schedule



Change Orders



- Upcoming Change Order #3 request will be forthcoming from the project team (Estimated cost TBD)
- Items to be included:
 - Overarching ILA
 - Adding ADA Sidewalk to new radio site ant City property due to existing broken sidewalk (Oak Lane)
 - Upgrade of numerous pieces of radio equipment to requirements that the FCC is requiring due to the amount of radio signals around downtown
 - Adding new mounting structure for City Hall roof for microwave path to radio site (existing small roof tower would be overloaded)
- Future Change Order #4 will include the cooperative agreement with the Garland, Rowlett, Mesquite and Sachse (GMRS) Radio Consortium
 - This will add about \$60K of additional upfront cost to the project but will save the City approximately \$620,000 over then next 10-15 years.



Over-Archiving ILA Approval



- Due to delays in processing ILAs, specifically getting to council when ILAs are through legal review, it is recommended that Council approve a Blanket ILA for \$0 dollars ILAs to help expedite the process of completing the project:
 - Team is working with CAO to bring forth an overarching ILA to reduce the number of ILAs being brought to council
 - Rationale is that this will reduce the time to get items to council to keep project moving towards a timely conclusion
 - This over-arching ILA will allow the City Manager or his delegate to enter into no cost ILA/ MOU agreements with our Partner Cities without having to add administrative time delays
 - Note: ILA that involve funding will still be required to go to Council
 - This will allow timely ILA approval and Notice to Proceed on Key gating items for the project
 - CAO will be a key part of this Over-Archiving ILA process



Risks and Challenges



Issues and Challenges

- Federal Communications Commission (FCC) approvals for new towers and new radio sites
 - Environmental Historical Preservations Reviews
 - Tribal Reviews
- Platting issues
 - Coordination with permitting department has resulted in a schedule improvement for Oak Lane site
 - This will allow NTP to occur in February for long lead time Gating items
 - Microwave Site interference may require changes with a potential increase in costs. FCC decision forth coming

Risks

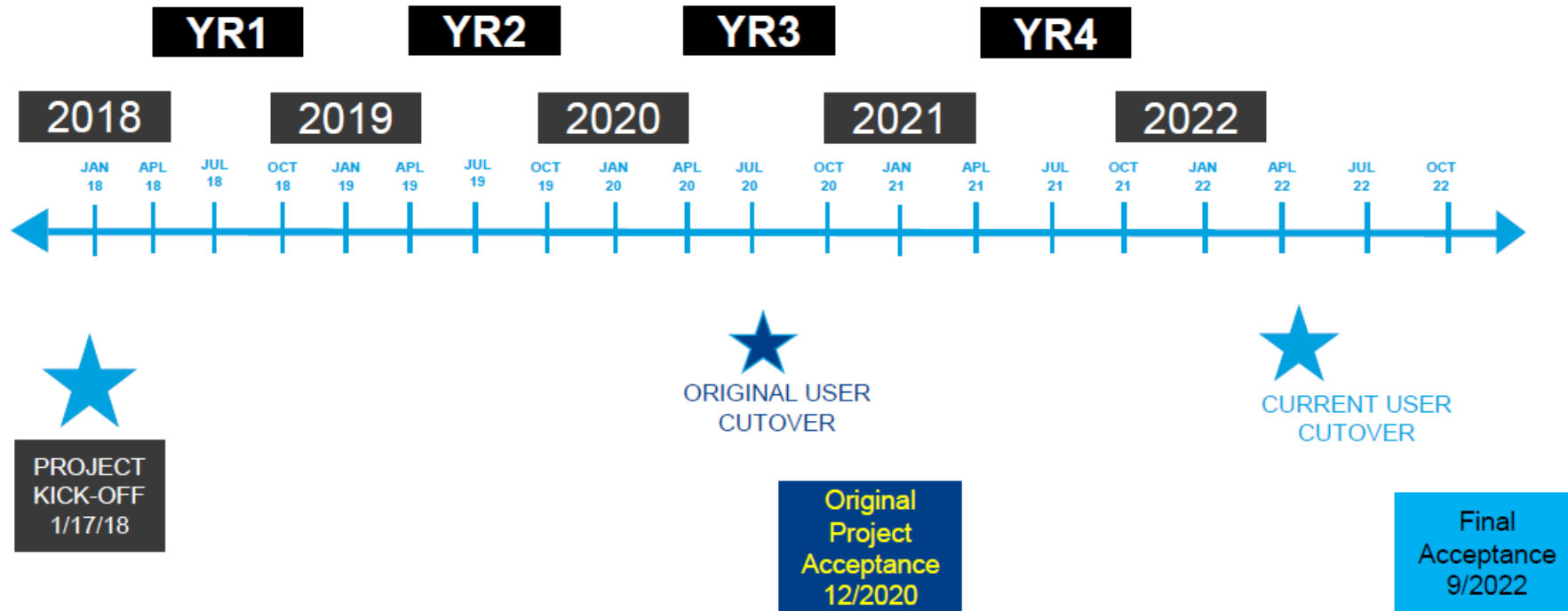
- COVID
 - Factories slower to bring products
 - Delays in transportation/ distribution
 - Personnel delays due to illness
- Weather is constant risk
 - The rainy season is coming up on the schedule with a potential delay to a few sites like:
 - DPD Gun Range, Oak Lane, Desoto, Sachse, McKenzie, Mesquite



Dallas P25 Schedule Update 2-8-2021



DALLAS P25 SCHEDULE UPDATE 2-8-2021



Appendix- Project Details



- Project Background
- Project Details
- Project Status
- Tower Location Map



Background

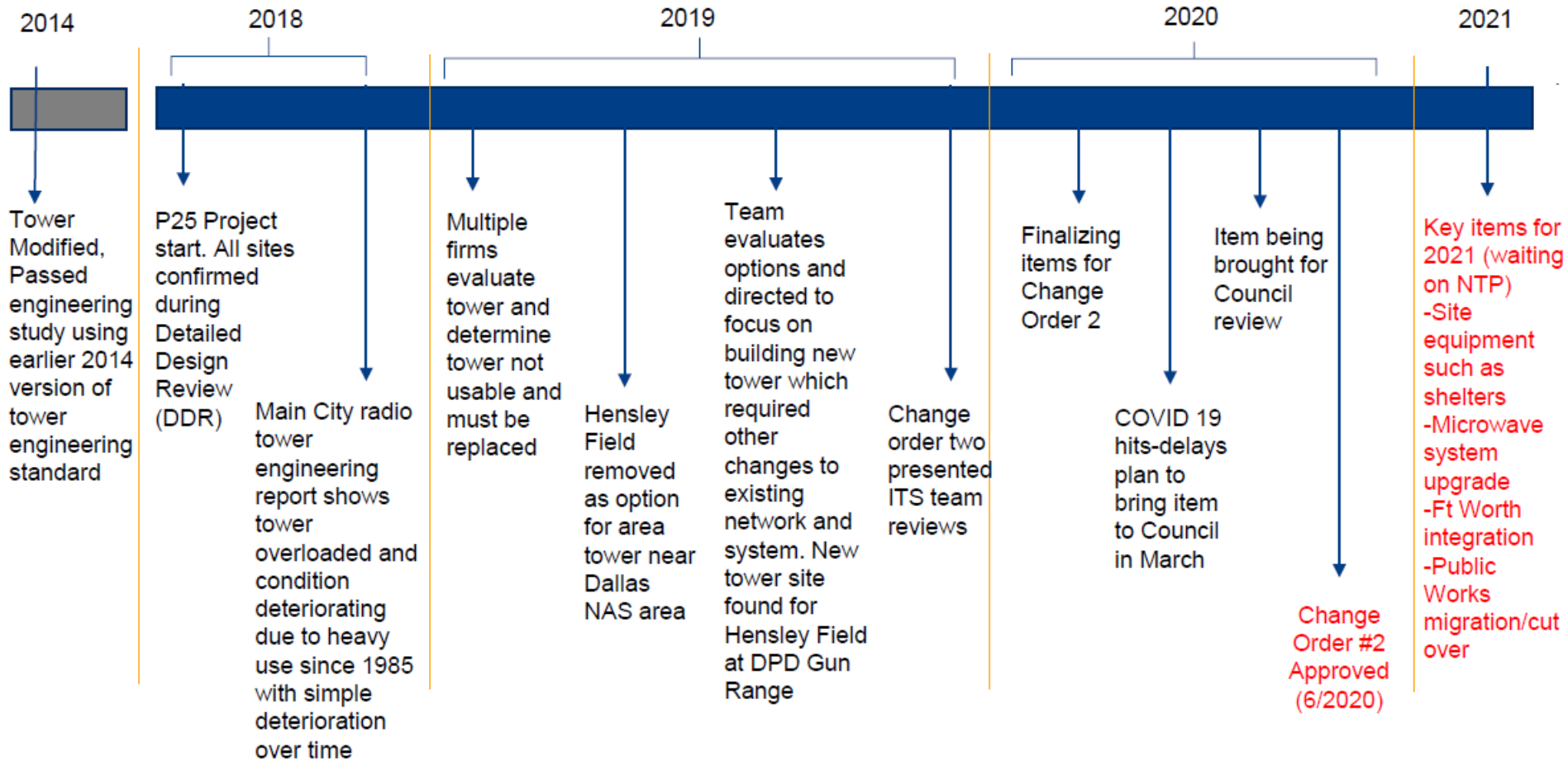


- Project 25 (P25) is a standard for digital mobile radio communications designed for use by public safety organizations in North America. P25 adds the ability to transmit voice as data, allowing for greater implementation of encryption as well as a more robust, secure, efficient and modern Radio system.
 - City of Dallas published an RFCSP that was awarded to Motorola.
 - The P25 project contract was approved by Council in December 2017 at cost of \$66,129,201.85
 - Change Order #2 (Council approved June 2020) added \$6.5M to the project for a total value of \$72.5M
 - The project began Jan 2018
 - Project is cooperative agreement with Dallas County (who is responsible for \$10,923,817.15 of overall costs).
 - The P25 Project will replace three City radio systems, that cannot be expanded due to age and number of frequencies, with one system and will provide modern technology to 1st Responders and City workers.
 - The Current Radio System design is over 40 years old, with the last radio system technology refresh occurring over 20 years ago.





Key Events of the P25 Project



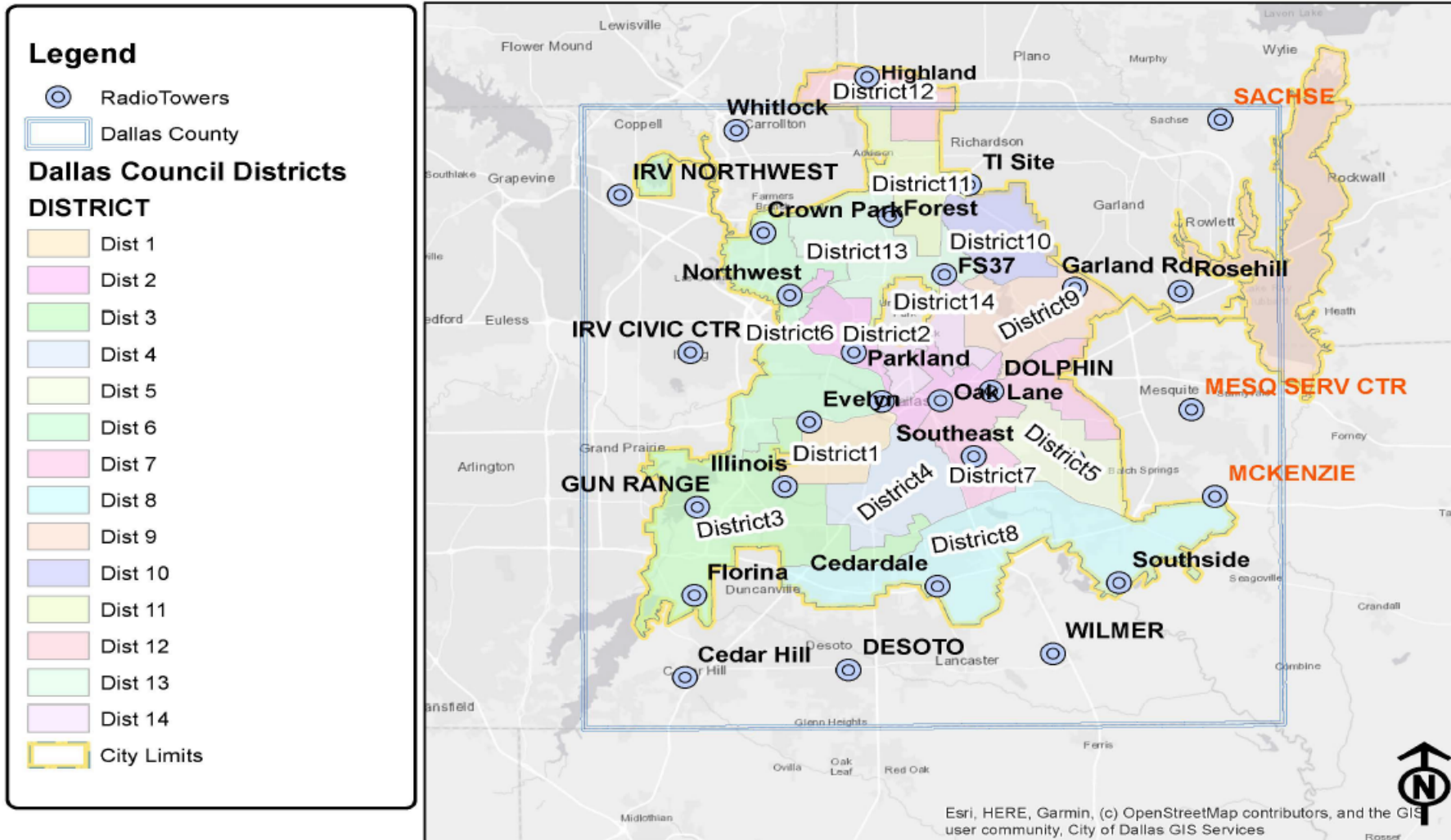
P25 Project Status



- 19 of 33 Sites are complete or nearing completion
- 14 sites are in progress
- 9 of the 14 sites are in progress and on track to finish as scheduled
- 5 of 14 Sites are delayed due to ILAs
 - Garland ILA is currently with City Attorney's Office(CAO) (two sites)
 - Sachse ILA draft received on 2/3/2021
 - Mesquite ILA recently received and is being reviewed by CAO (two sites also) but is delayed do to issues with previous ILA that needs completing prior to this ILA being considered
 - Desoto ILA is presently going through signatures and final legal review
 - Forth Wort ILA is being reviewed by CAO
- Partner Cities' User Subscriber Agreement is currently in draft for review by CAO and partner Cities



Dallas/Dallas County/ Radio Towers





City of Dallas

Update on P25 Radio Project

**Public Safety Committee
February 8, 2021**

Questions?