







# Fire Station 181 Location Review

Paul Luizzi, Fire Chief

# Fire Station 181 Location Review



## TONIGHT

- Fire Station Study
- Station Modeling
- Financials
- Criteria and Recommendation
- Questions

# Fire Station Study



## REVIEW WORK SESSION ON FIRE STATION STUDY

- Work Session held on December 12, 2016
  - Study analyzed historical data over the last 5 years
  - Study reviewed existing and anticipated development activity covered by the Goodyear Fire Department
  - Used nationally accepted response standards to analyze functional and operational viability of all fire stations
  - Identify optimal locations of new and existing fire stations

# Fire Station Study



## RECOMMENDED OPTIMAL SOLUTION

- By 2025, it is recommended that three optimal locations are added to the current five fixed locations – in order as follows:
  - **Relocate Station 181** north of the current site; the optimal location is at Litchfield and Van Buren – recommended to be operational by **2019**.
  - **Additional location in West Goodyear (188)**; the optimal location is at Citrus and Yuma (plus one engine company) – recommended to be operational by **2022**.
  - **Additional location in South Goodyear (186)**; the optimal location is at Estrella and Willis (plus one engine company) – recommended to be operational by **2025**.

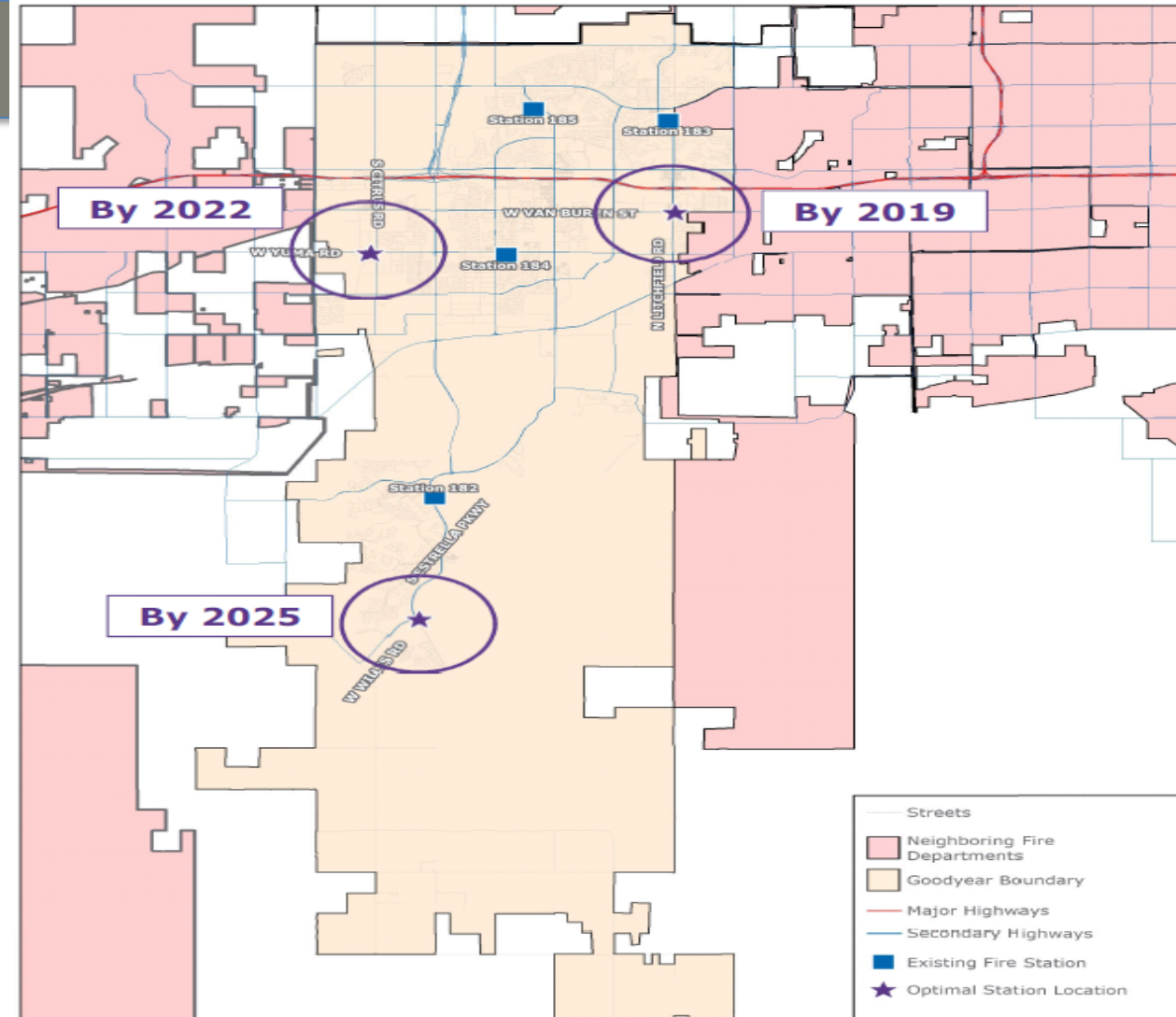
# Fire Station Study



## RECOMMENDED OPTIMAL SITES

- By 2019
  - FS181 to Litchfield and Van Buren
- By 2022
  - FS188 at Citrus and Yuma
- By 2025
  - FS186 at Estrella and Willis

Note: Years reflect calendar year.





# Fire Station Study



## COUNCIL DIRECTION AND STAFF ANALYSIS

Council direction following Fire Station Study:

- By 2019 (est. construction completion July 2019)
  - FS181 relocation near Litchfield Road and Van Buren Street
  - FS186 new station near Estrella Parkway and Willis Road (South Goodyear)
- By 2021 (est. construction completion July 2021)
  - FS188 new station near Yuma and Citrus roads (West Goodyear)

Factors for consideration:

- Minimize our response times
- Maximize available city resources
- Close to Optimal sites per Fire Station Study

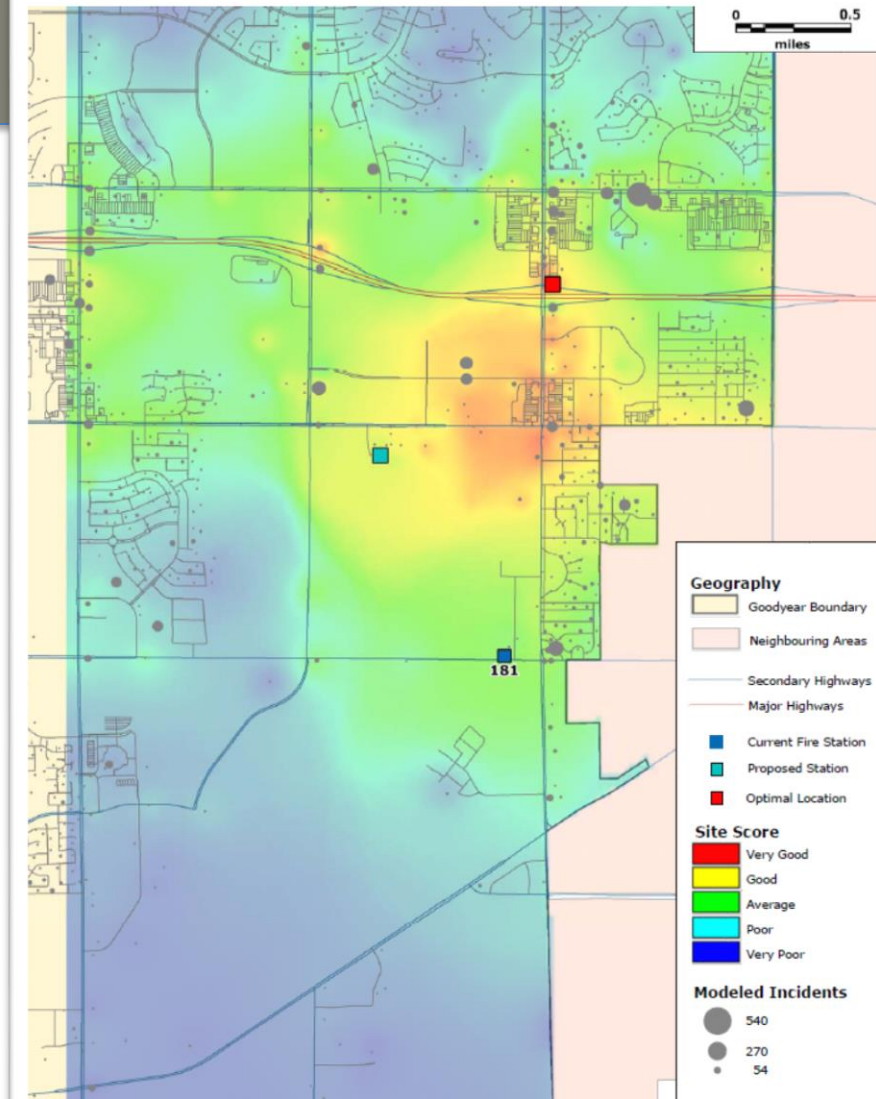
# Fire Station Study



## MINIMUM AVERAGE RESPONSE TIME

This map is showing an assessment of optimal locations:

- Red background = best locations
- Blue background = poorest locations





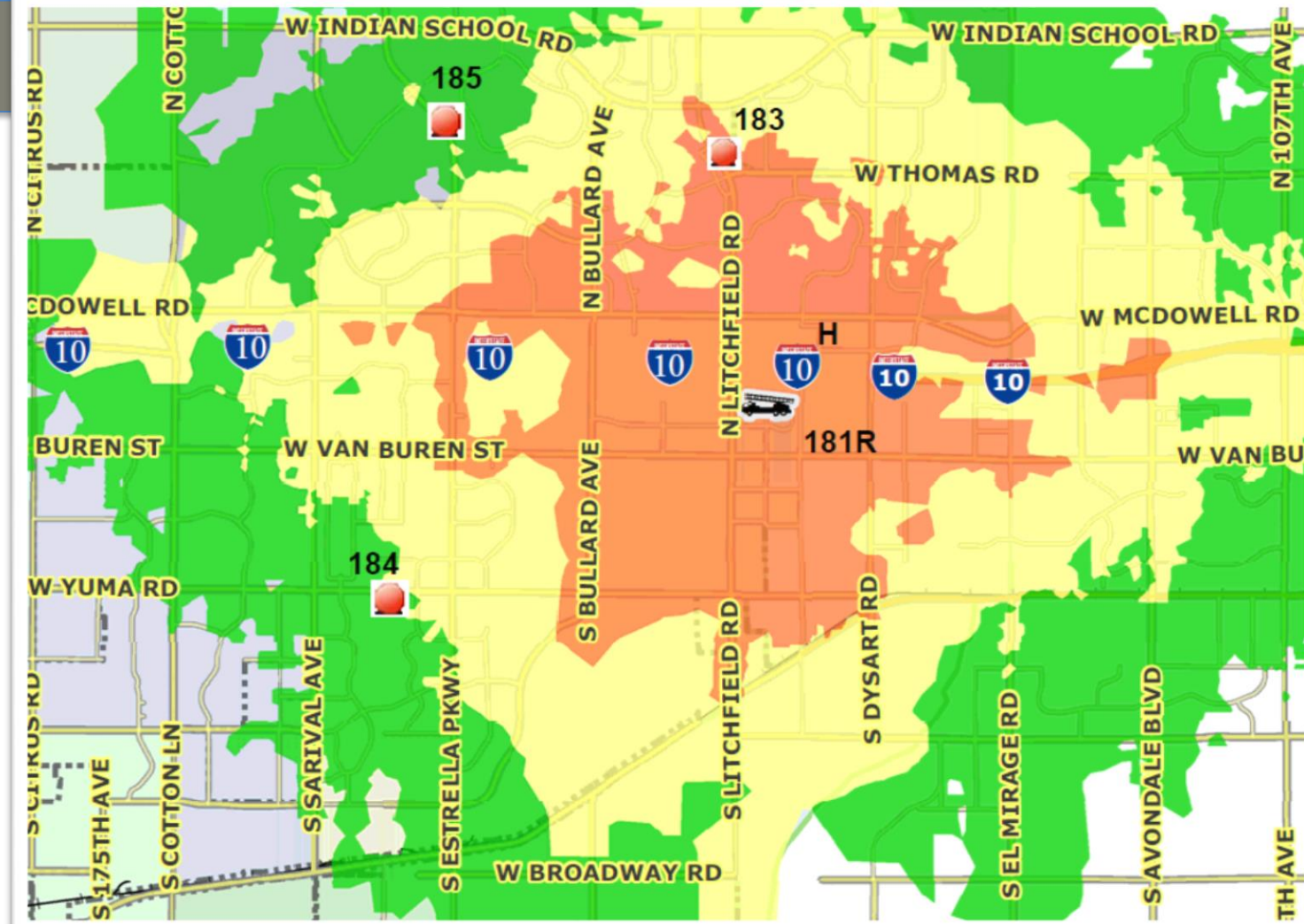
# Fire Station 181 Station Modeling



137<sup>TH</sup> AVENUE AND TEST DRIVE

Station: 181R

Minutes\_PostedSpeed



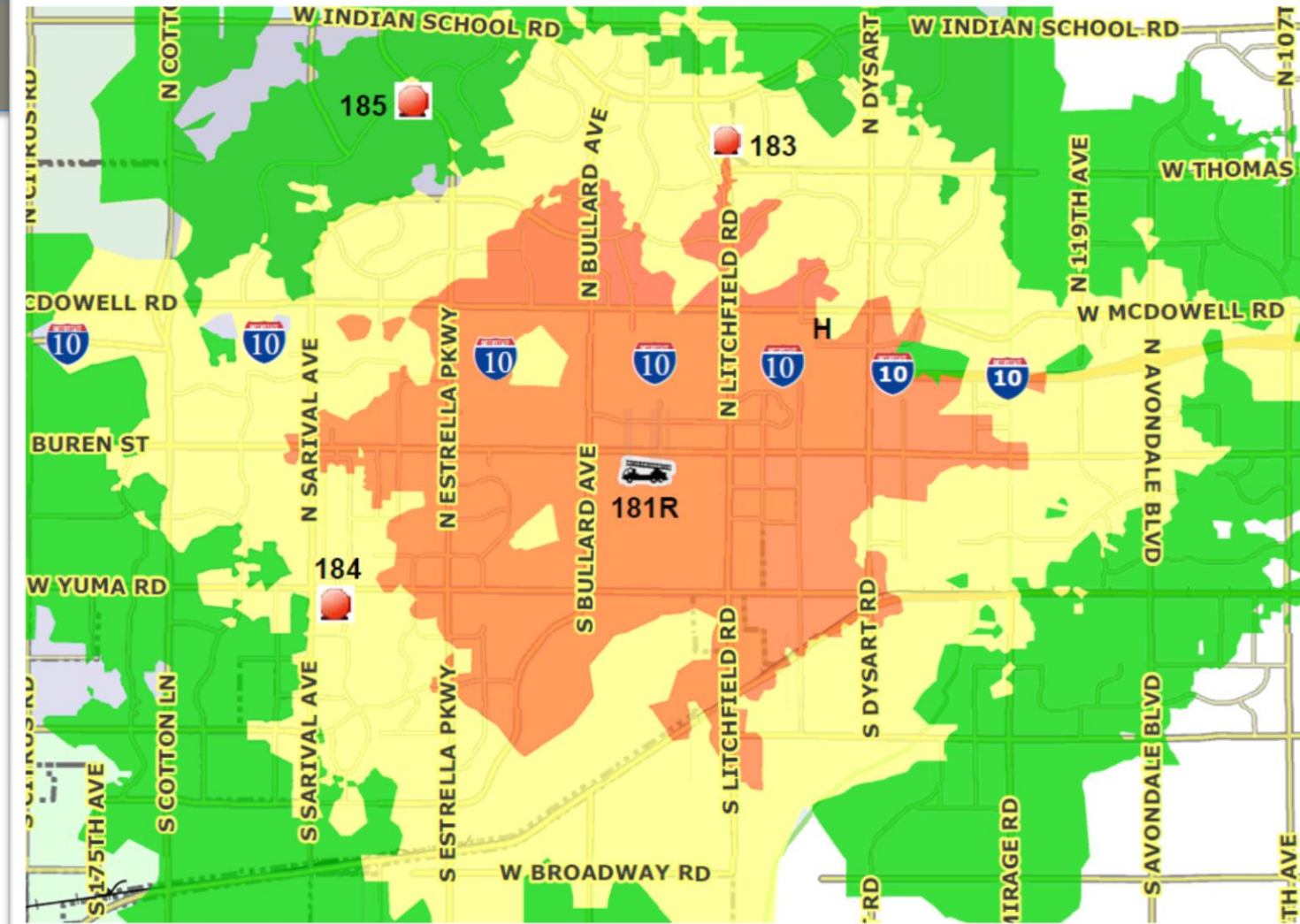
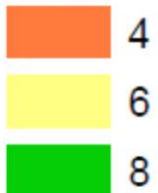
# Fire Station 181 Station Modeling



## SOUTH OF PD OPERATIONS

Station: 181R

Minutes\_PostedSpeed



# Fire Station 181 Financial Review



## BUDGET

Project	Project Costs	Cost Breakdown	
Fire Station 181	\$5,999,100	Land	\$679,600
		Design	\$502,000
		Station, Infrastructure and FFE	\$4,817,500



# Fire Station 181 Financial Review

## OPTIONAL SITES

137 <sup>th</sup> Avenue and Test Drive	South of Police Operations Building
Standard on-site improvements	Standard on-site improvements
Off-site improvements (roads and utilities already near the site)	Off-site improvements (currently undeveloped behind PD OPS)
ADOT style traffic signal	Land purchase



# Fire Station 181 Criteria



## STAFF ANALYSIS

Criteria staff evaluated when determining the FS181 site:

- Minimize our response times
- Maximize available city resources
- Close to the Optimal Site

# Fire Station 181 Recommendation



## STAFF RECOMMENDATION

Staff recommends pursuing the relocation of Fire Station 181 to 137<sup>th</sup> Avenue and Test Drive in Palm Valley Crossing.