

# San Miguel & Estrella Traffic Signal

City Council Regular Meeting  
December 3, 2018

# San Miguel & Estrella Traffic Signal



## AGENDA

- Proposed Signal Projects in CIP
- Existing Conditions
- Options Considered
- Recommendation
- Policy Direction

# San Miguel & Estrella Traffic Signal



## PROPOSED ACTION

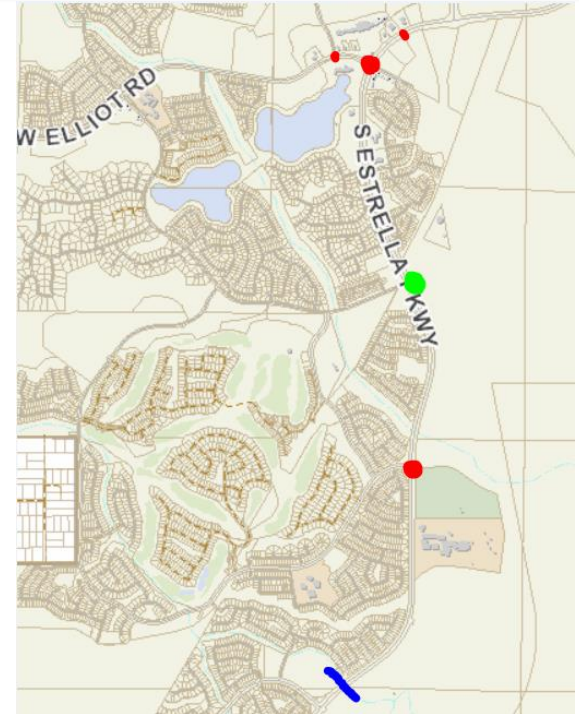
- CIP – Construct traffic signals FY2019
  - Camelback & 146<sup>th</sup>
  - Perryville & Indian School
  - San Miguel & Estrella\*
  - \*Seek Policy Direction\*

# San Miguel & Estrella Traffic Signal



## EXISTING CONDITIONS/PROPOSED LOCATION

- Existing signals – Estrella Elliot Rd. & Westar Dr.
- Modular/Enhanced ADOT Boundary
- Proposed location



# San Miguel & Estrella Traffic Signal



LOOKING NORTH

No Visibility of Elliot Rd  
Signal to the north



# San Miguel & Estrella Traffic Signal



LOOKING SOUTH

No Visibility of Weststar  
Drive signal to the  
south

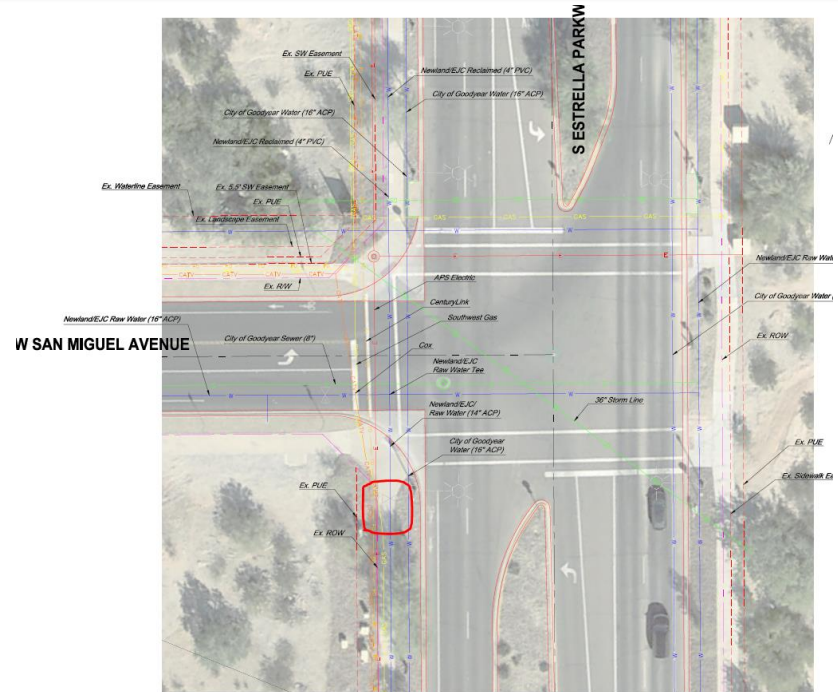


# San Miguel & Estrella Traffic Signal



## EXISTING CONDITIONS

- Ex. 3 legged intersection
- Existing Utilities  
2-ACP Water, Gas,  
Elec., Fiber





# San Miguel & Estrella Traffic Signal



## OPTIONS FOR CONSIDERATION

### Goodyear Modular signal

- Utility conflicts
- Pole foundation size
- Signal Arm length





# San Miguel & Estrella Traffic Signal



## OPTIONS FOR CONSIDERATION

Goodyear Modular signal + median pole

- Utility conflicts
- Pole foundation size
- Signal Arm length
- Atypical pole location



# San Miguel & Estrella Traffic Signal



## OPTIONS FOR CONSIDERATION

- Enhanced ADOT signal
  - Minimal or no conflicts
  - Smaller pole foundation
  - Increased Arm length



# San Miguel & Estrella Traffic Signal



## ESTIMATED COSTS FOR OPTIONS

Modular signal	\$700,000
Modular + median pole	\$550,000
Enhanced ADOT signal	\$400,000

# San Miguel & Estrella Traffic Signal



## FISCAL ANALYSIS

- Funding – 2014 Streets South Impact Fees (Current balance \$708,000)
- Approved Budget - \$553,500
- Possible transfer of funds
- Unused 2014 IIP – moved to new IIP

# San Miguel & Estrella Traffic Signal



## RECOMMENDATION & POLICY DIRECTION

### Enhanced ADOT Style Traffic Signal

- Utility relocations (timing/lane closure)
- Visibility of adjacent signals
- Proximity to Boundary
- EMR/Newland Support



CITY OF  
**Goodyear**

**Questions**



Sarival  
Avenue 16300 W

