

Town of Paradise Valley

Action on a contract with Level 7
Technologies to install fiber optic conduits
and cabling on the town campus.



Tonight's Goal

- Take action on a contract with Level 7 Technologies to install fiber optical communications conduit and cable on the town campus under the State contract at a cost of \$81,778.48.



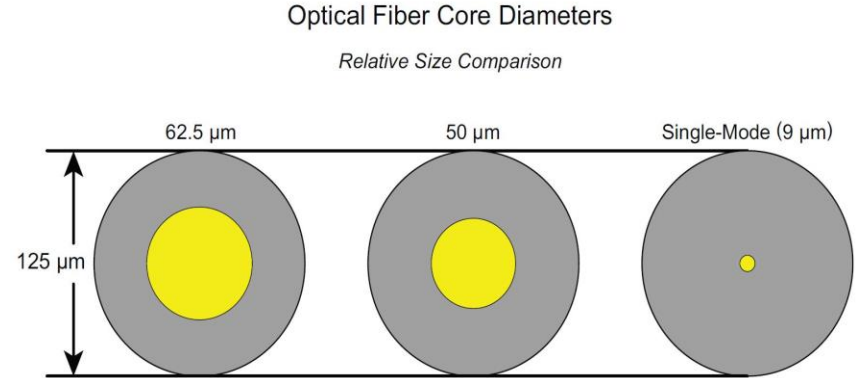
Agenda

- Background
- Scope of Work
- Existing Conduit System
- Proposed Contract



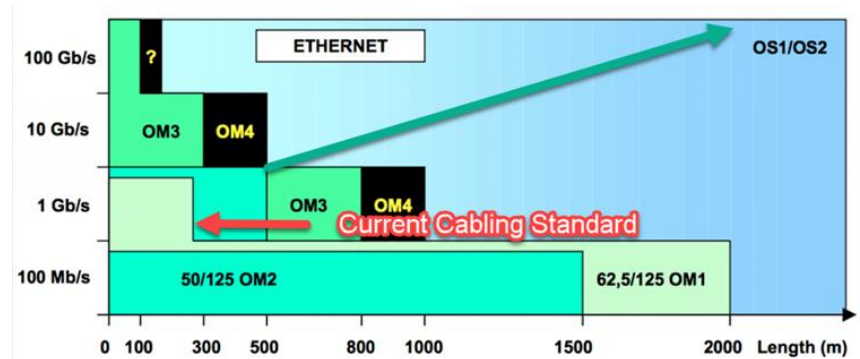
Background

- Initially FY 17-18 Town Hall Complex Fiber Connections Project
- Design Hold in 2018
 - Poor conduit paths
 - Not redundant
 - APS conduit discovery



Background

- New Design
 - Long term planning
 - Create a 30 year asset – useful life until 2049
 - Asset utilization strategy
- Contract Process
 - State contract for fiber
 - Conduit paths – 3 Bids
 - Undergrounding delayed





Campus Fiber Plant – Scope

Green conduit provides redundant path around the Town's campus. There are two vault locations planned for connections to the APS conduit in future.



Existing Conduit System

- APS installed 4” communications conduits for the Town when undergrounding power down Lincoln Blvd in early 2000.
 - Asset owned by the Town that has never been utilized
 - Requires a Town owned path into the duct system
- **Asset Utilization – Future Plans**
 - Town owns a ~21,150 ft. path for the best possible communications
 - Cost avoidance of slower, lower reliability wireless
 - Transport for Public Safety License Plate Readers (LPRs) improves public safety on Lincoln
 - Transport for traffic controls to improve safety on Lincoln
 - Future path to RWC site for increased public safety resiliency



Recommended Action

- Staff recommends council authorize carry over of the existing general fund dollars authority from FY 2019 for the capital improvement project - Town Hall Complex Fiber Connections and establish current budget authority for FY 2020 in amount not to exceed \$143,042.
- Staff recommends council approve Contract No: CON-19-082-IT with Level 7 Technologies in the amount of \$81,778.48 to install fiber optic links from Town Hall to PD.

