



Transportation Capital Improvement Program

Rittenhouse Road Improvements



**BETTER ROADS
AHEAD**

Troy White, Public Works Director

Council 8.7.19



Action

- Consideration and Approval of Delegation Resolution #1280-19 In the amount of \$15,913,771 for the Rittenhouse Road Improvements

Time Saved by Delegation Resolution

Project Contracts

- CMAR For Bridge
- General Construction
- SRP
- UPRR
- QCID
- Quality Control Testing
- Appraisals
- Title Company
- Property Purchase Agreements
- Traffic Signal installation
- Fiber Conduit installation
- Construction Management
- ACC Costs
- Title Company
- Survey
- Flood Control District

★ **12-16 Weeks** ★

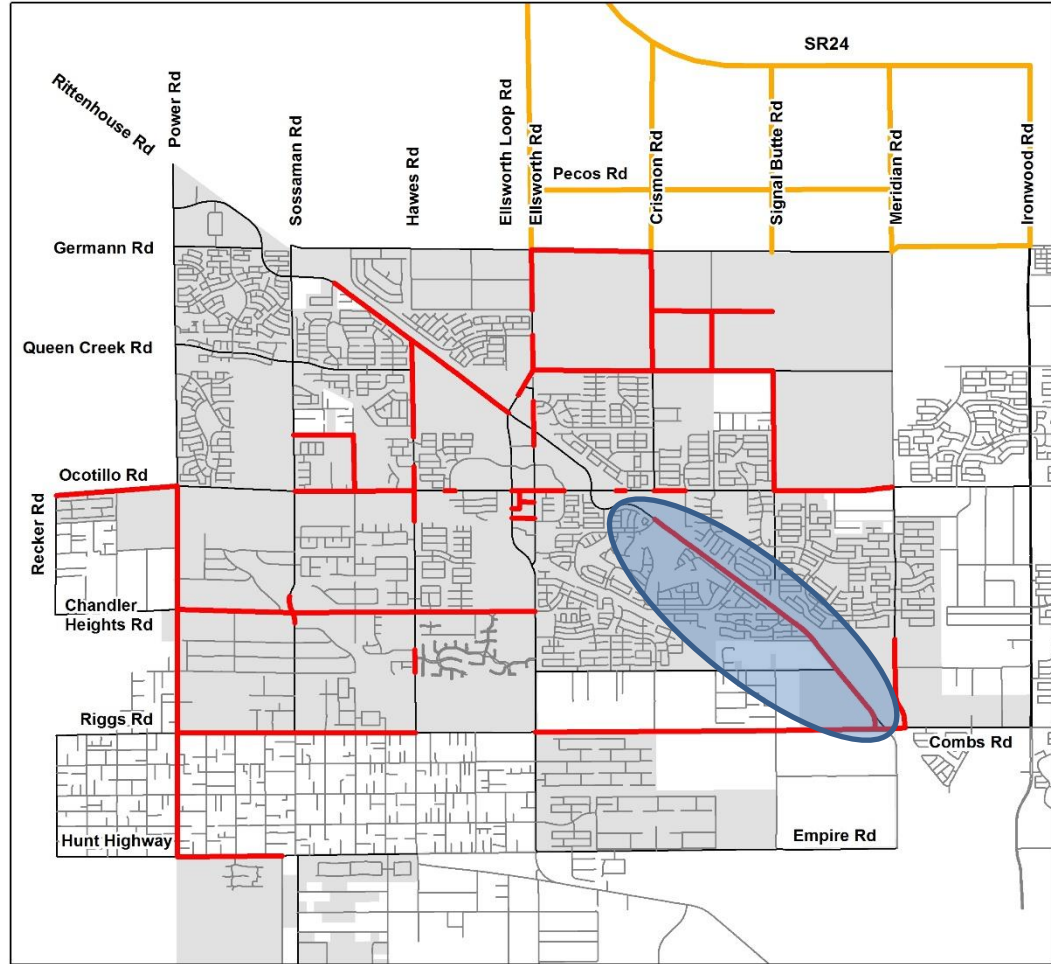
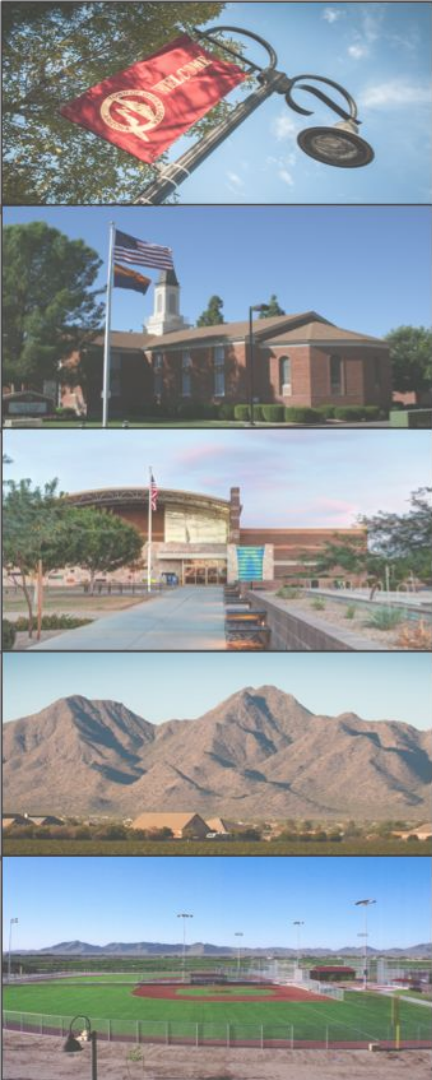


Project Features

- 5-lane roadway – Bike Lanes - Sidewalks
- Street lights
- Drainage Improvements
- 12kV electrical conversion (underground)
- Right-turn-lanes at VLN and VLS and Creekside
- New Bridge (Box Culvert) over Queen Creek Wash
- Upgraded Railroad spur at Alliance Lumber
- Large Right-turn-lane into Schnepf Farms
- Re-aligned Cloud Road intersection



10 Year Transportation Infrastructure Improvement Plan





Sidewalk Improvements



Railroad Spur at Alliance Lumber



Bridge over Queen Creek Wash



Bridge Alternatives

- **Cast-in-place**
- Pre-Cast Box
- Conventional Bridge
- Slab Deck
- Slide Bridge
- Widen of the Existing Bridge





Cast in Place

Traditional Method- Close to traffic - Detour



Keep Traffic Open During Construction



20-25%



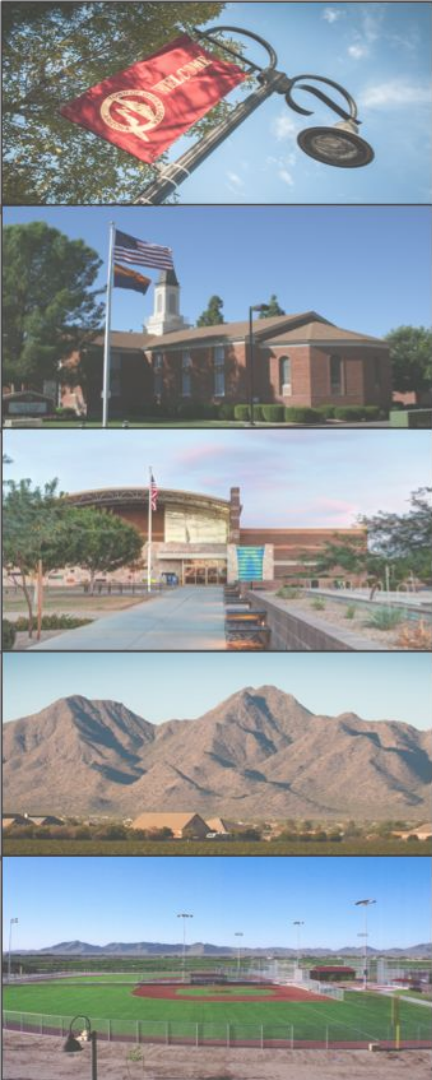
Fast Tracked (Incentivized) Construction



10%



Rittenhouse Road Schedule



| ID | Task Name | Duration | Qtr 3, 2019 | | | Qtr 4, 2019 | | | Qtr 1, 2020 | | | Qtr 2, 2020 | | | Qtr 3, 2020 | | | Qtr 4, 2020 | |
|----|----------------------|----------|-------------------------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|--|
| | | | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | |
| 1 | NTP for Bridge | 0 days | 8/14 ♦ NTP for Bridge | | | | | | | | | | | | | | | | |
| 2 | Via De Palmas | 21 days | [Bar] | | | | | | | | | | | | | | | | |
| 3 | Bridge Improvements | 42 days | 9/1 [Bar] Bridge Improvements | | | | | | | | | | | | | | | | |
| 4 | NTP for Roadway | 0 days | 10/7 ♦ NTP for Roadway | | | | | | | | | | | | | | | | |
| 5 | Roadway Improvements | 250 days | [Bar] | | | | | | | | | | | | | | | | |
| 6 | QCID | 60 days | [Bar] QCID | | | | | | | | | | | | | | | | |
| 7 | SRP | 65 days | [Bar] SRP | | | | | | | | | | | | | | | | |
| 8 | Traffic Signals | 45 days | [Bar] Traffic Signals | | | | | | | | | | | | | | | | |
| 9 | Water Construction | 21 days | [Bar] Water Construction | | | | | | | | | | | | | | | | |
| 10 | NTP for Spur Track | 0 days | 3/1 ♦ NTP for Spur Track | | | | | | | | | | | | | | | | |
| 11 | Spur Track | 42 days | [Bar] Spur Track | | | | | | | | | | | | | | | | |
| 12 | Cloud Road | 60 days | [Bar] Cloud Road | | | | | | | | | | | | | | | | |



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