

# QUEEN CREEK AND PINAL COUNTY SMALL AREA TRANSPORTATION STUDY UPDATE

Meridian Road/Ray Road/CAP Canal/Combs Road



**Mohamed Youssef, PE, PTOE**  
**Public Works Director**



# Presentation Overview

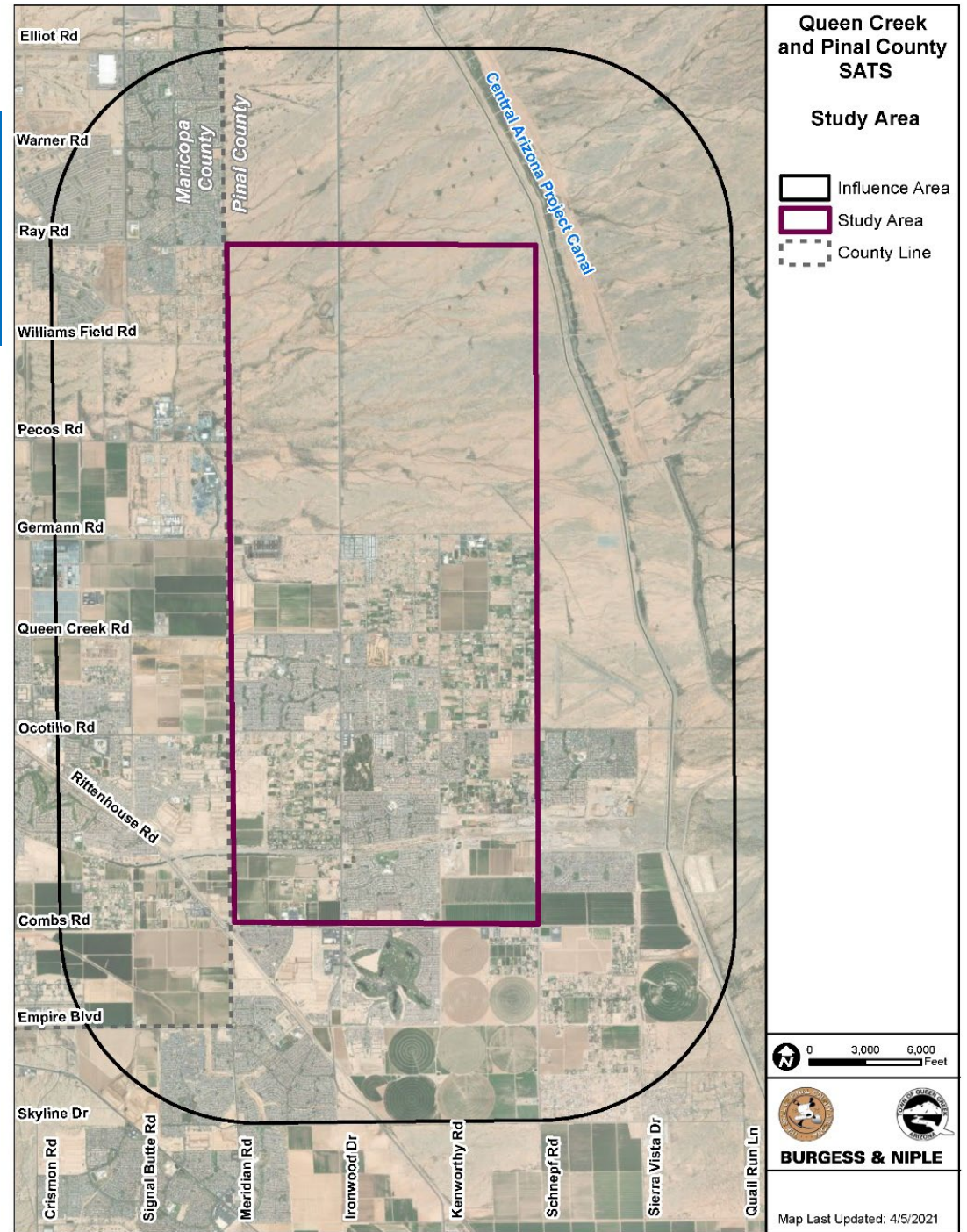


- ❖ Study area & updated study area
- ❖ Existing and 2030 Population and Employment
- ❖ Existing and 2030 Traffic Volume and Level of Service
- ❖ Open Discussion



# 2020 STUDY AREA

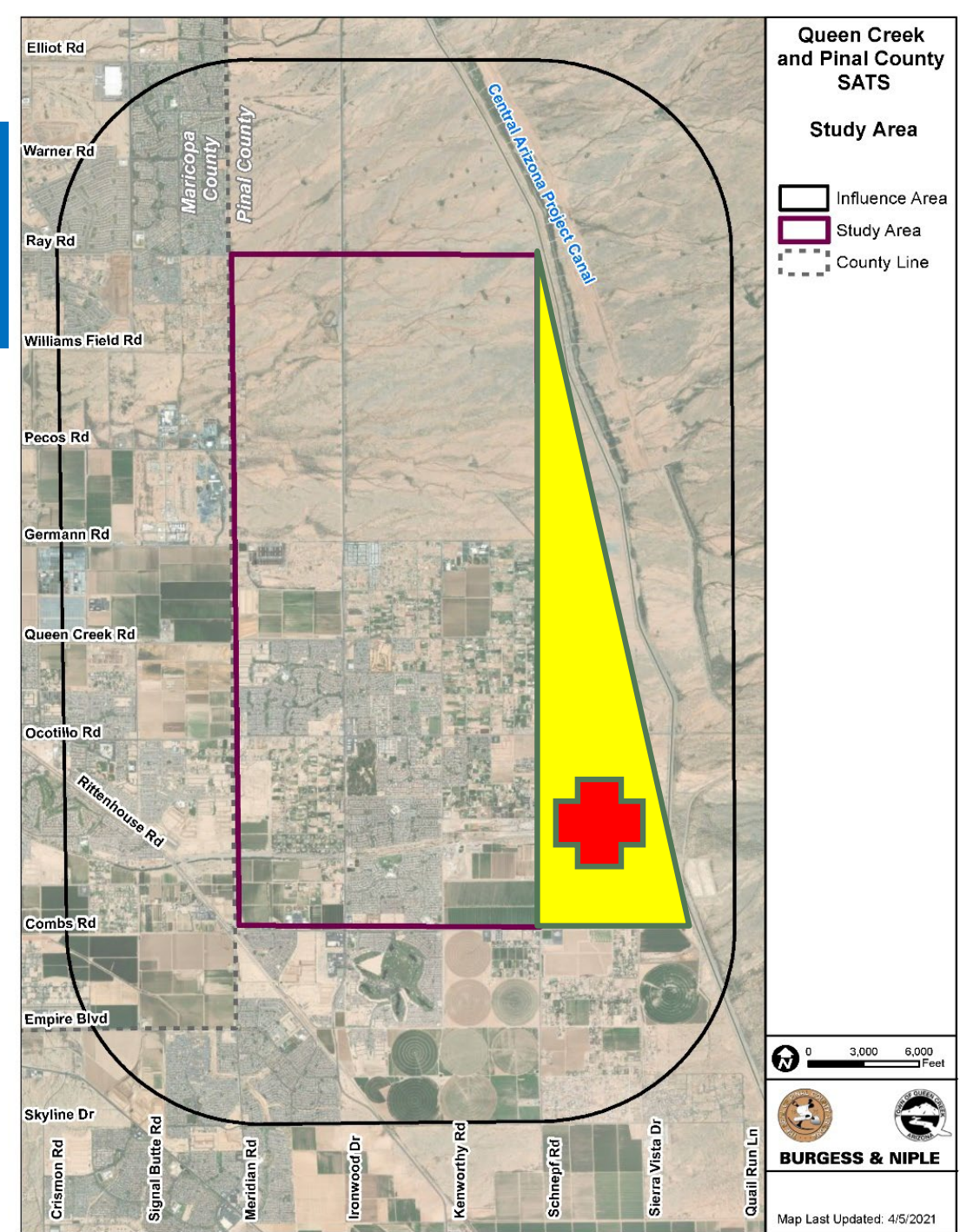
- The **study area** consists of 21 square miles
- The **study influence area** includes a two-miles buffer surrounding the **study area**



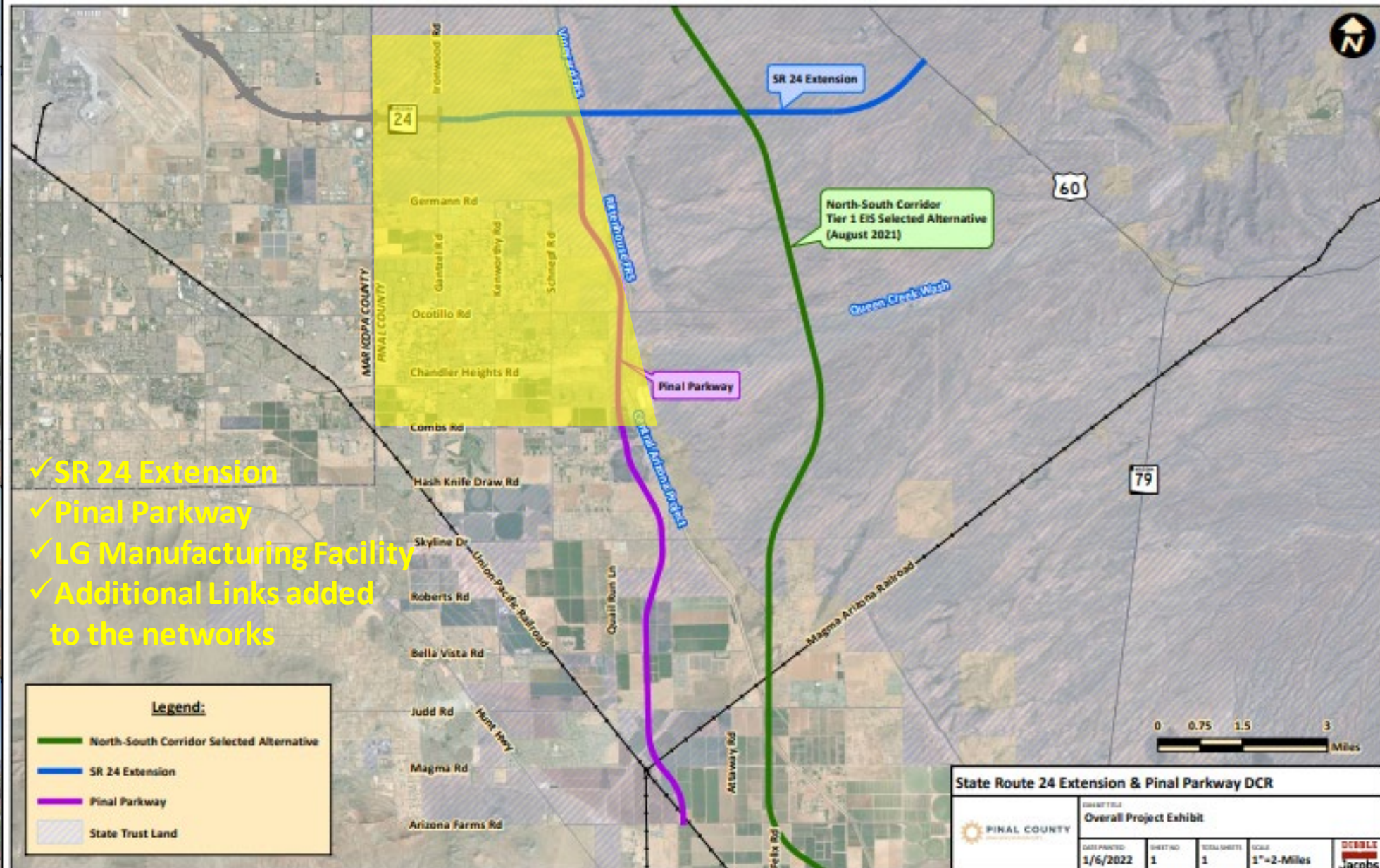


# 2022 STUDY AREA

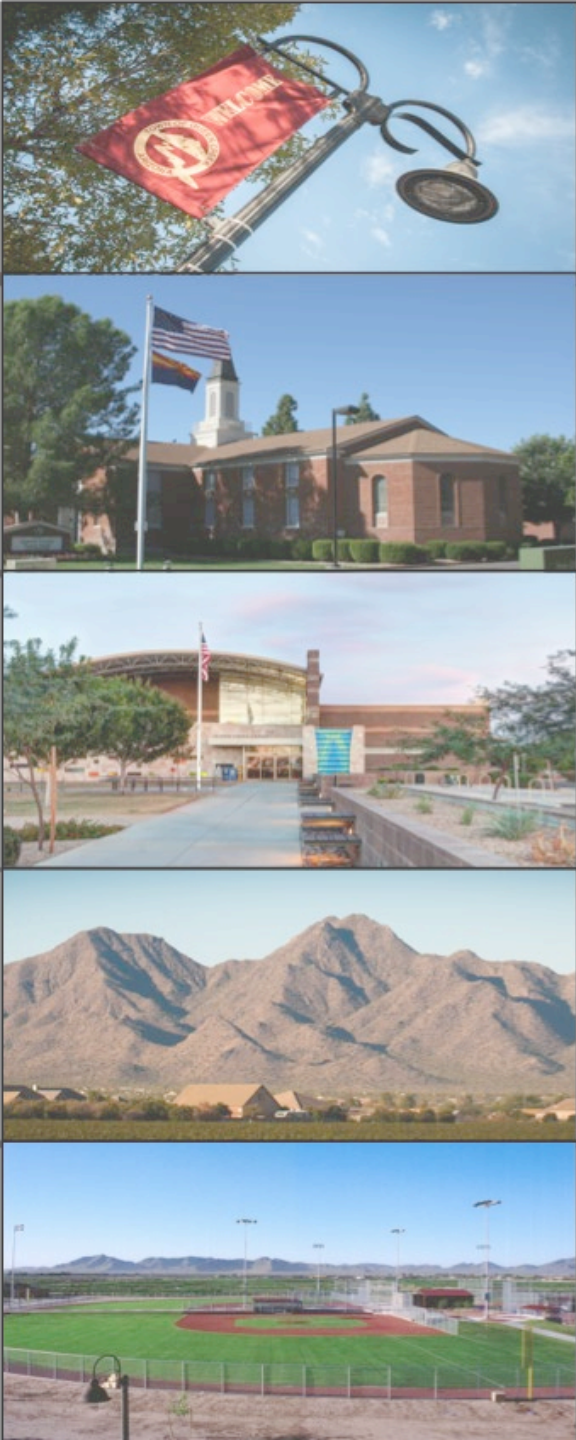
- Updated study area consists of 27 square miles
- New Major Developments includes
  - ✓ SR 24 Extension
  - ✓ Pinal Parkway
  - ✓ LG Manufacturing Facility
  - ✓ Additional Links added to the networks



# Updated Study Area

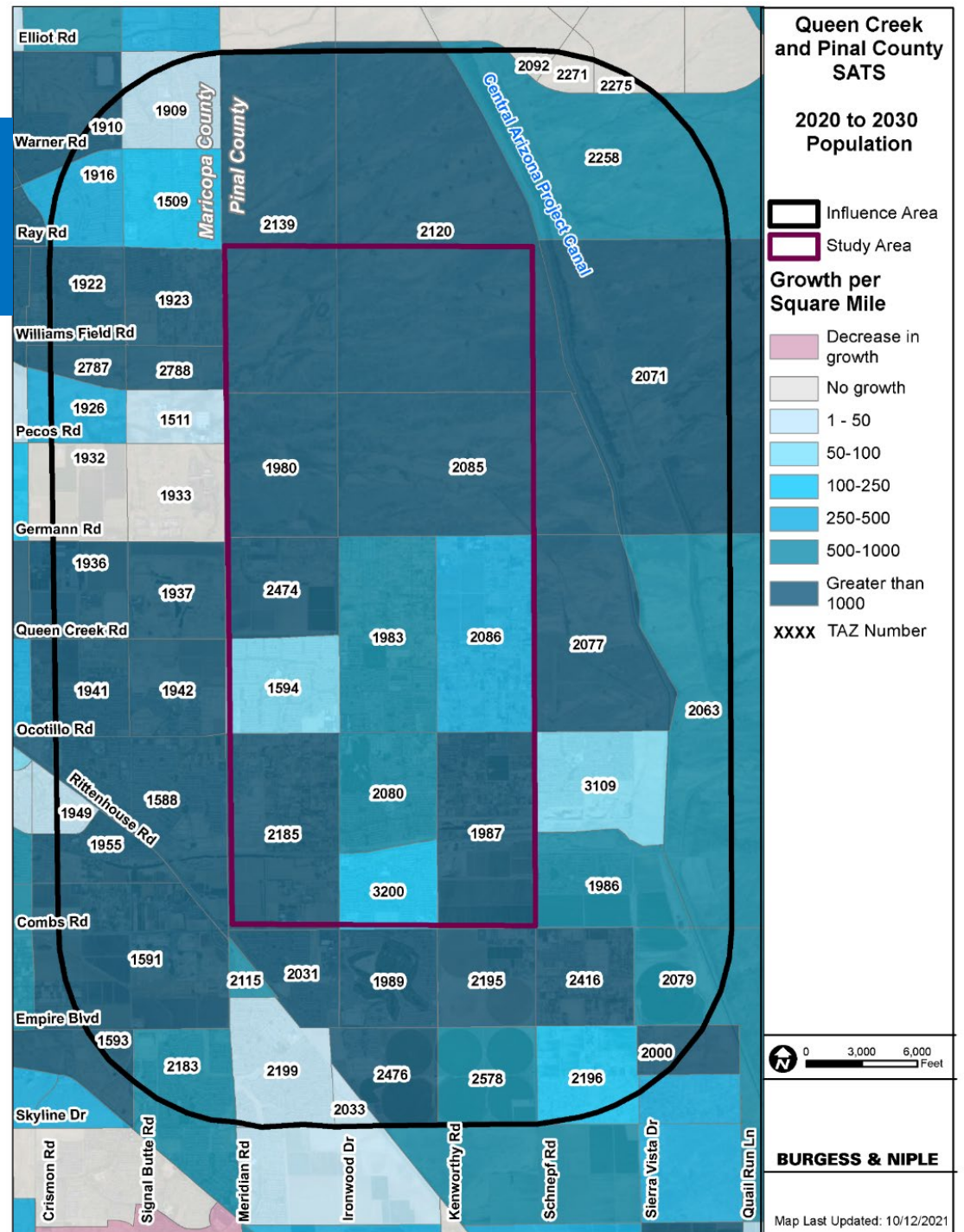


- ✓ SR 24 Extension
- ✓ Pinal Parkway
- ✓ LG Manufacturing Facility
- ✓ Additional Links added to the networks



# PROJECTED 2020-2030 POPULATION GROWTH

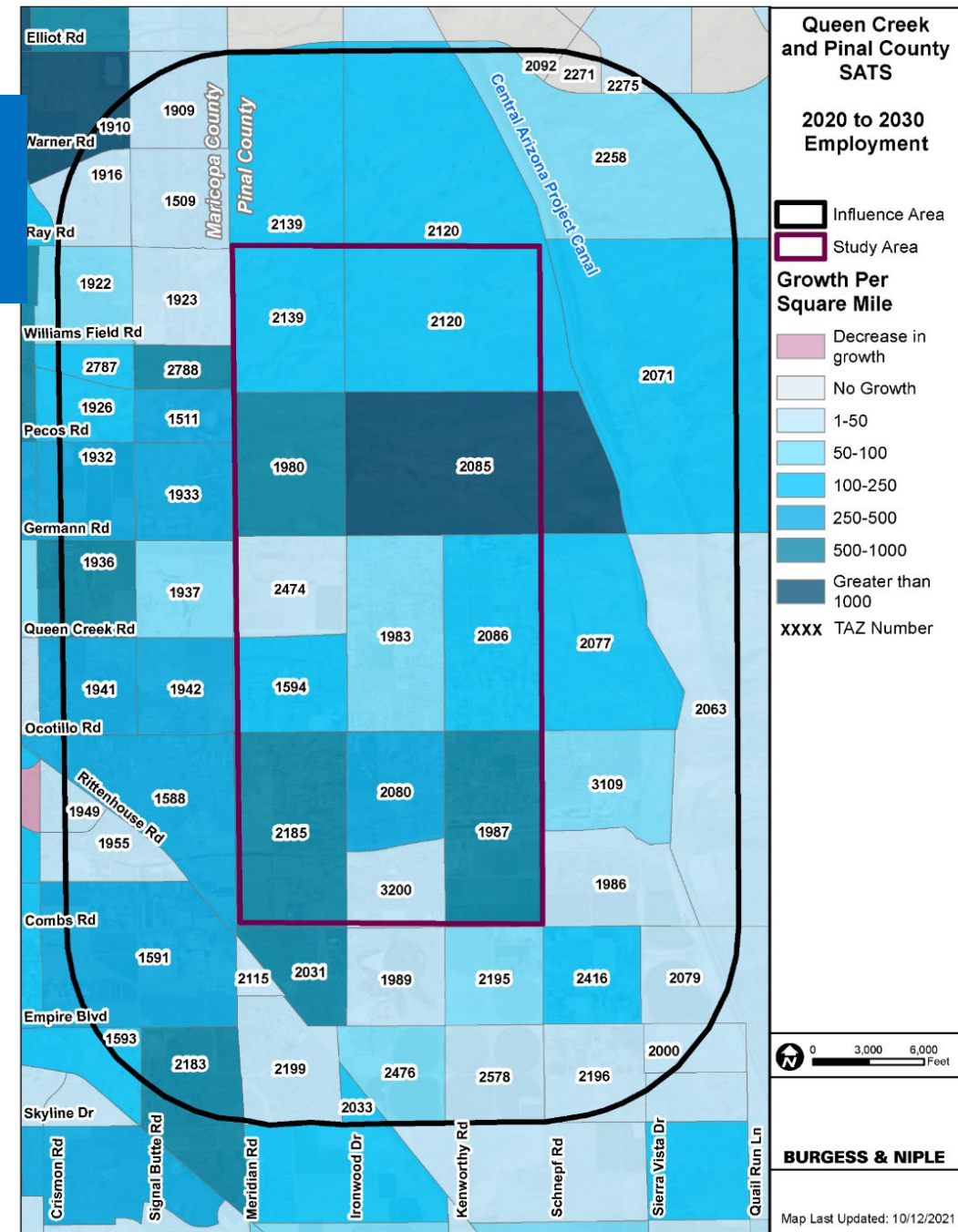
- Study area
  - Additional 104,000 residents
  - Over 350% growth
- SIA+
  - Additional 96,000 residents
  - Over 130% growth





# PROJECTED 2020-2030 EMPLOYMENT GROWTH

- Study area
  - Additional 7,500 jobs
  - Over 500% growth
- SIA+
  - Additional 9,500 jobs
  - Over 150% growth



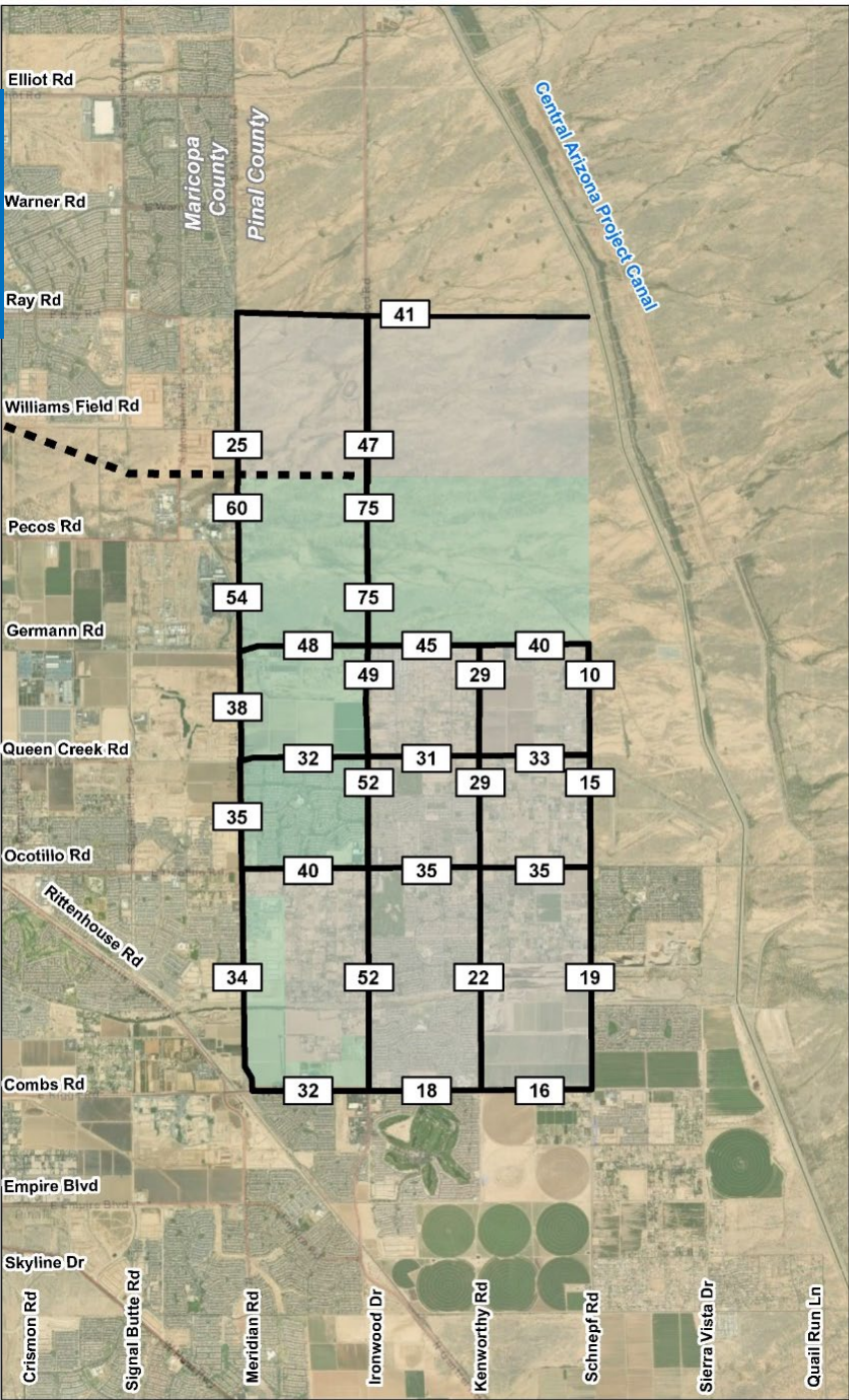


# 2030 ADT ESTIMATES

## \*Arterial Daily Volumes at Capacity

Type of Roadway	Number of Lanes	Capacity (vehicles per day)
Arterial	2	16,500
Arterial (no median)	4	32,000
Arterial (with median)	4	35,500
Arterial (no median)	6	49,000
Arterial (with median)	6	54,000

\*Per the 2020 Queen Creek Transportation Master Plan Update



**Queen Creek and Pinal County SATS**

Adjusted 2030 ADT Estimates

--- SR-24

**LOS**

XX ADT (in thousands)

**Jurisdiction**

Queen Creek

Unincorporated Pinal County

0 3,000 6,000 Feet

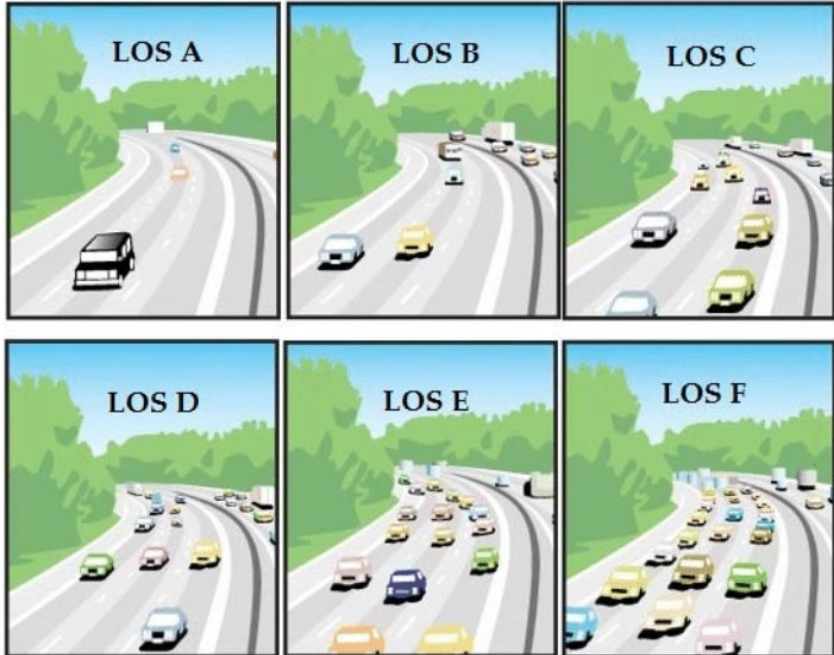
**BURGESS & NIPLE**

Map Last Updated: 10/20/2021

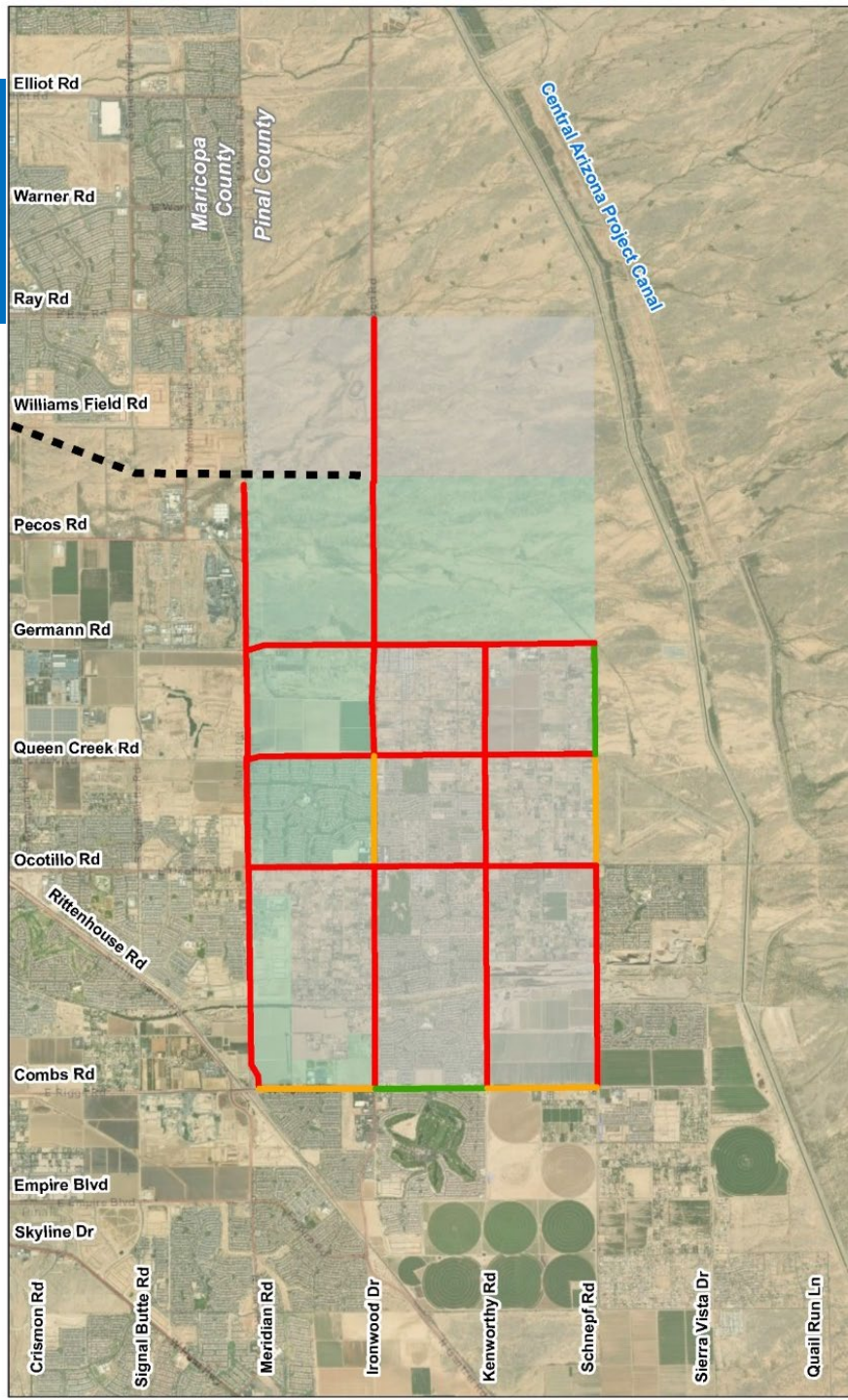




# 2030 LEVEL OF SERVICE



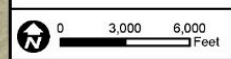
- LOS**
- █ A-C
  - █ D
  - █ E
  - █ F



**Queen Creek and Pinal County SATS**

2030 Level of Service

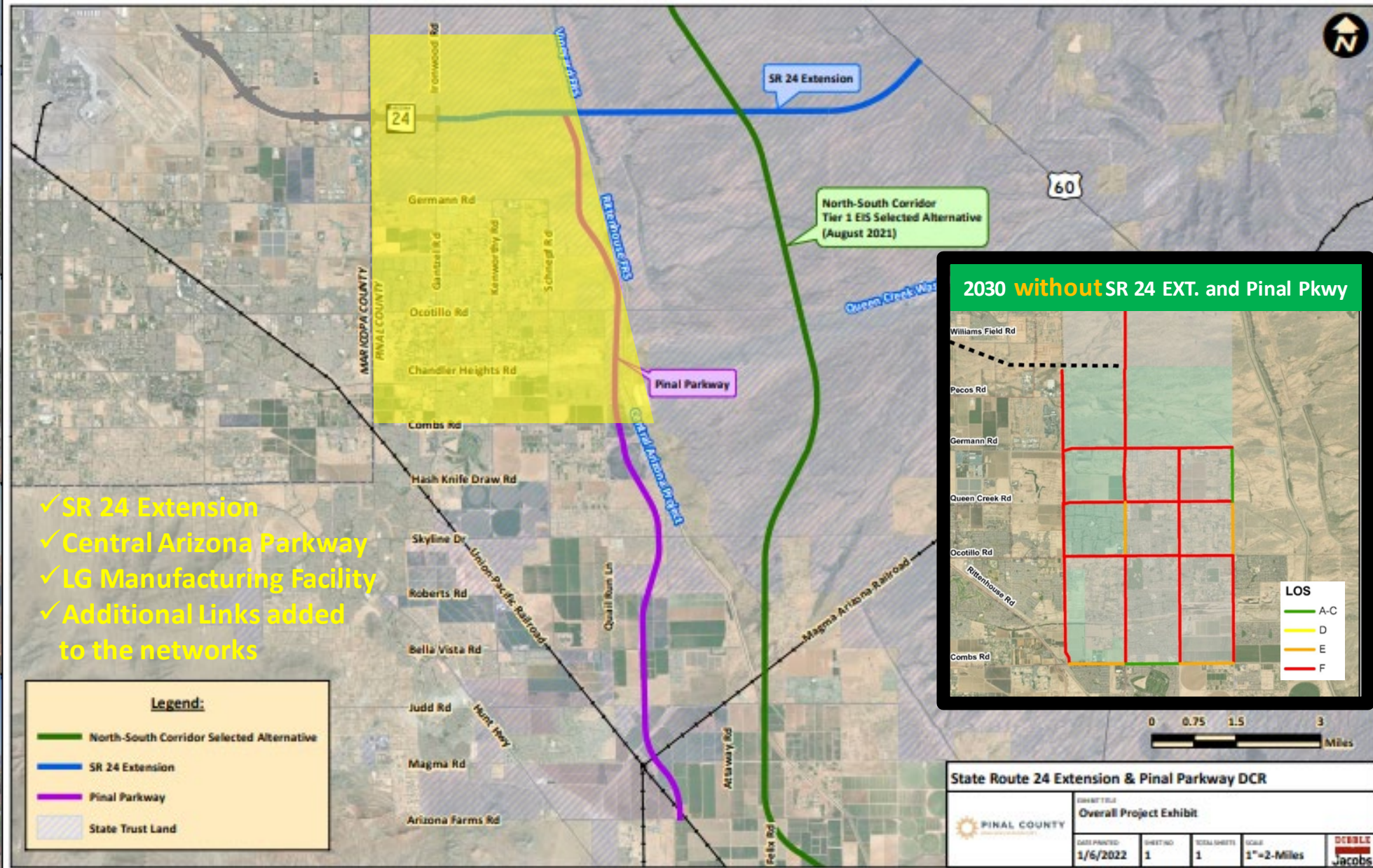
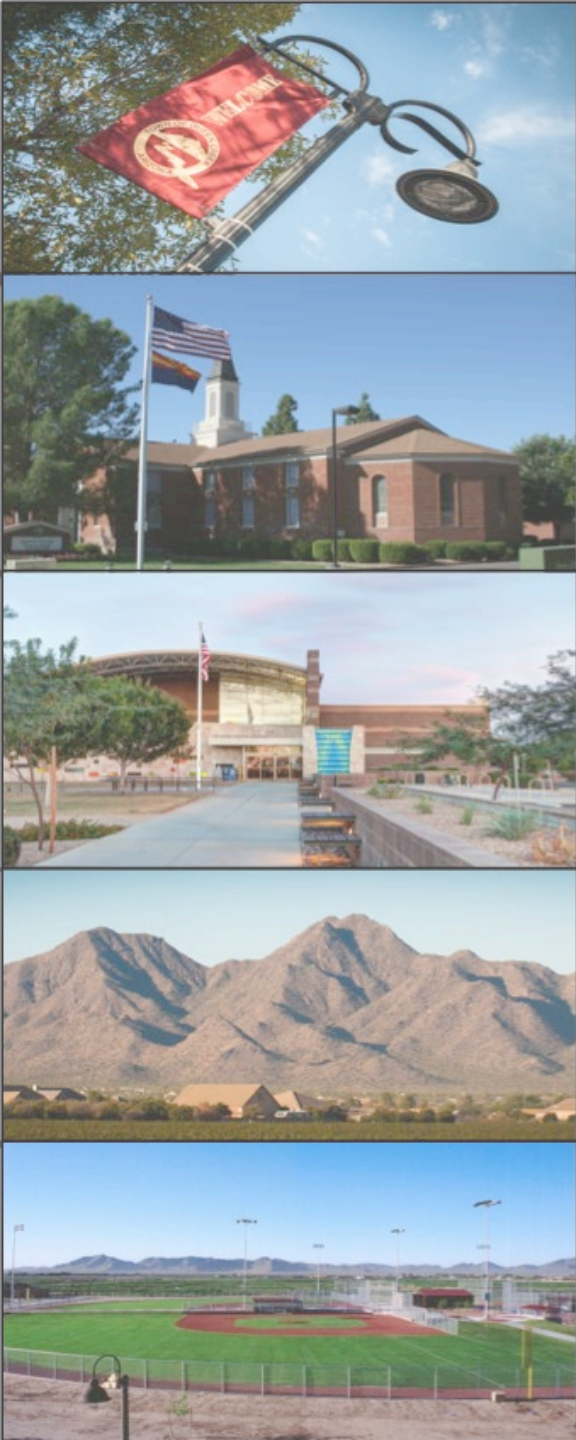
- - - SR-24
- LOS**
- █ A-C
- █ D
- █ E
- █ F
- Jurisdiction**
- █ Queen Creek
- █ Unincorporated Pinal County



**BURGESS & NIPLE**

Map Last Updated: 10/20/2021

# Updated Study Area



- ✓ SR 24 Extension
- ✓ Central Arizona Parkway
- ✓ LG Manufacturing Facility
- ✓ Additional Links added to the networks

IRONWOOD RD  
 24  
 GERMANN RD  
 GARIBOLDI RD  
 KENNEDY RD  
 SCHMIDT RD  
 Ocotillo Rd  
 Chandler Heights Rd  
 Combs Rd  
 Hash Knife Draw Rd  
 Skyline Dr  
 Roberts Rd  
 Bella Vista Rd  
 Judd Rd  
 Magma Rd  
 Arizona Farms Rd

Central Arizona Parkway  
 Pinal Parkway

SR 24 Extension

North-South Corridor Tier 1 EIS Selected Alternative (August 2021)

Queen Creek Rd  
 Williams Field Rd  
 Pecos Rd  
 Germann Rd  
 Queen Creek Rd  
 Ocotillo Rd  
 Ritterhouse Rd  
 Combs Rd

Union Pacific Railroad  
 Magma Arizona Railroad

Attaway Rd  
 Felix Rd

Maricopa County  
 Pinal County



**SUGGESTED ACTION:  
CONSIDERATION AND POSSIBLE APPROVAL OF THE FIRST  
AMENDMENT TO THE INTERGOVERNMENTAL AGREEMENT  
WITH PINAL COUNTY IN AN AMOUNT NOT TO EXCEED \$40,400  
(50% SPLIT OF TOTAL COST) FOR A SMALL AREA  
TRANSPORTATION STUDY (SATS) UPDATE (FY22/23 BUDGETED  
ITEM).**

