

City of Goodyear Transportation Master Plan

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Planning Manager



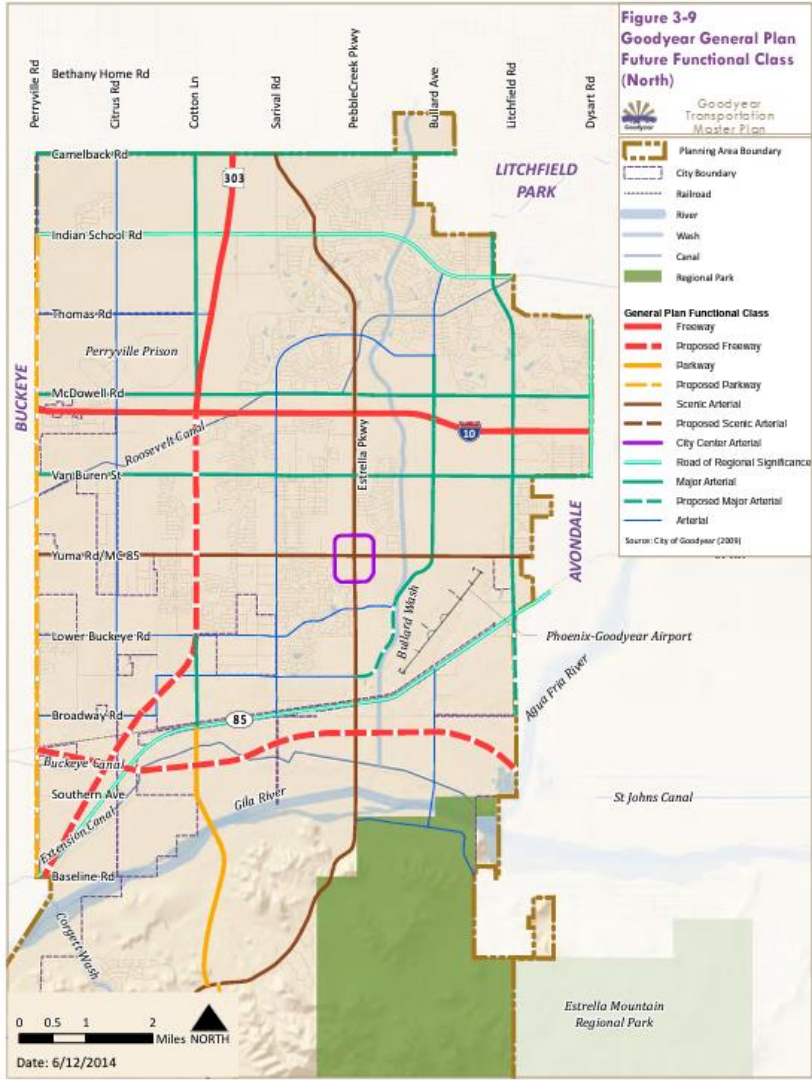
Transportation Master Plan



SCHEDULE

- Previous TMP Completed in 2014
- A lot has changed in Goodyear
 - 9th Fastest Growing City in the Nation
 - 2010, the city had 65,275 residents
 - 2022, over 106,000 residents and growing
- HDR was selected as the Consultant Team
- Notice to Proceed August of 2022
- Approximate 18-month Schedule
- Final Document December of 2023

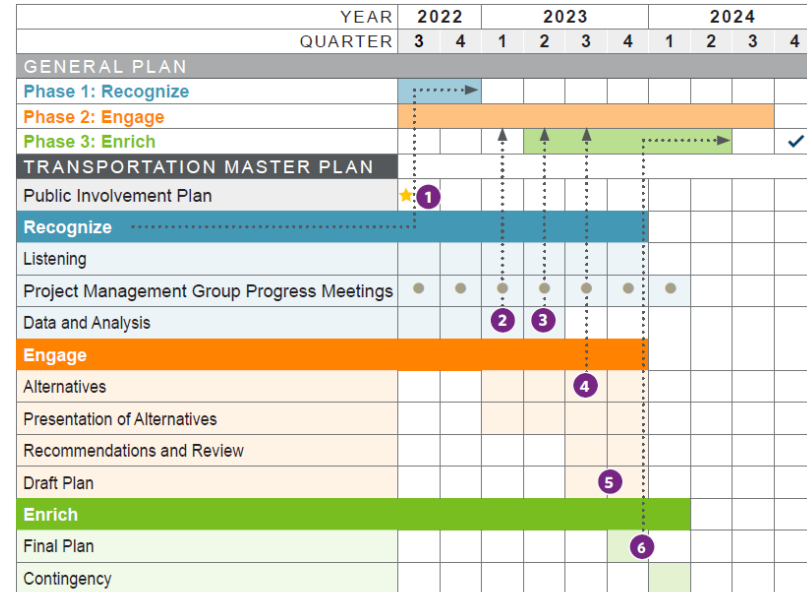




Transportation Master Plan

SCOPE

- Coordinate with Previous and Current Planning Efforts
- Engage Public, Stakeholders, and Regional Partners at goodyearaz.gov/TMP
- Existing Conditions Assessment
- Population and Employment Projections
- Travel Demand Forecast Model (2045)
- Identify System Gaps and Needs



...► Engagement and Interaction Point with GP
 ★ Notice to Proceed
 ● Meetings
 ✓ General Plan Voter Ratification (11/05/24)

Deliverables:
 1 Public Involvement Plan
 2 Existing Conditions
 3 Needs and GAP Analysis
 4 Alternatives

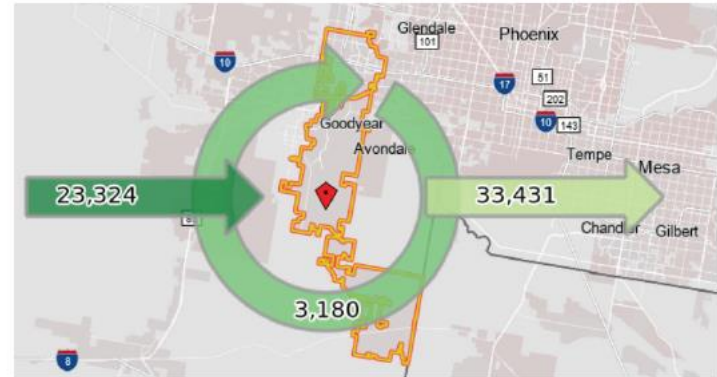
5 Draft Plan
 6 Final Plan

Transportation Master Plan



SCOPE

- Emerging Technologies
- Street Typologies
- Investment Choices
- Identify Potential Funding Opportunities
- Final Plan



Census data reveals most of Goodyear's workforce travels out of the City for work.

1 Census Bureau's 2019 Longitudinal Employment Household Dynamics (LEHD) survey.

Transportation Master Plan

KEY ELEMENTS BEING EVALUATED

- Street Network
- System Efficiency and Mobility
- Scalloped Streets
- Truck Traffic
- Active Transportation
- Public Transit
- Micro-mobility

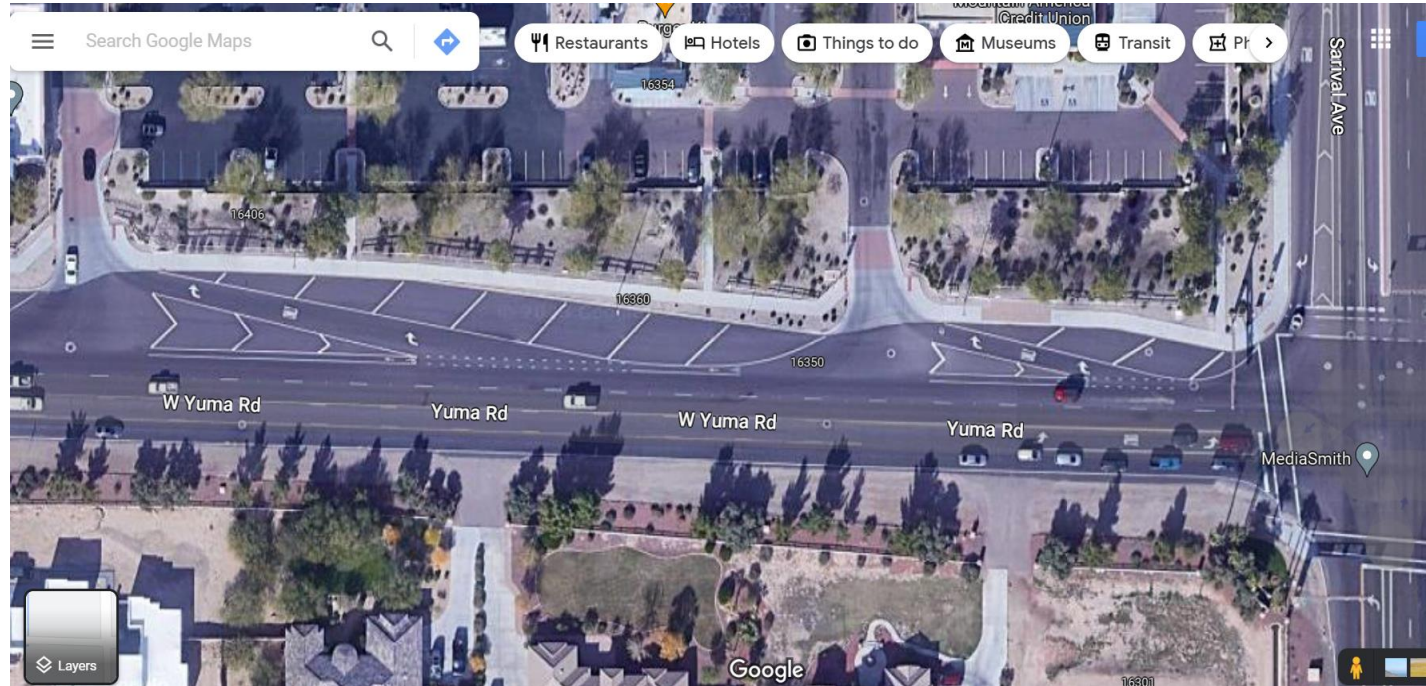


Scalloped Streets



TMP IDENTIFIED 17 SCALLOP STREET SEGMENTS

- Growth Pays Fair Share
- Un-coordinated and Random
- Traffic Volumes and Capacity



Volume and Capacity of Roads



EFFICIENCY AND MOBILITY

- 2-lanes
18,000
Vehicles
per Day
- 4-lanes
36,000
- 6-lanes
55,000



Cotton Lane

AT LILAC

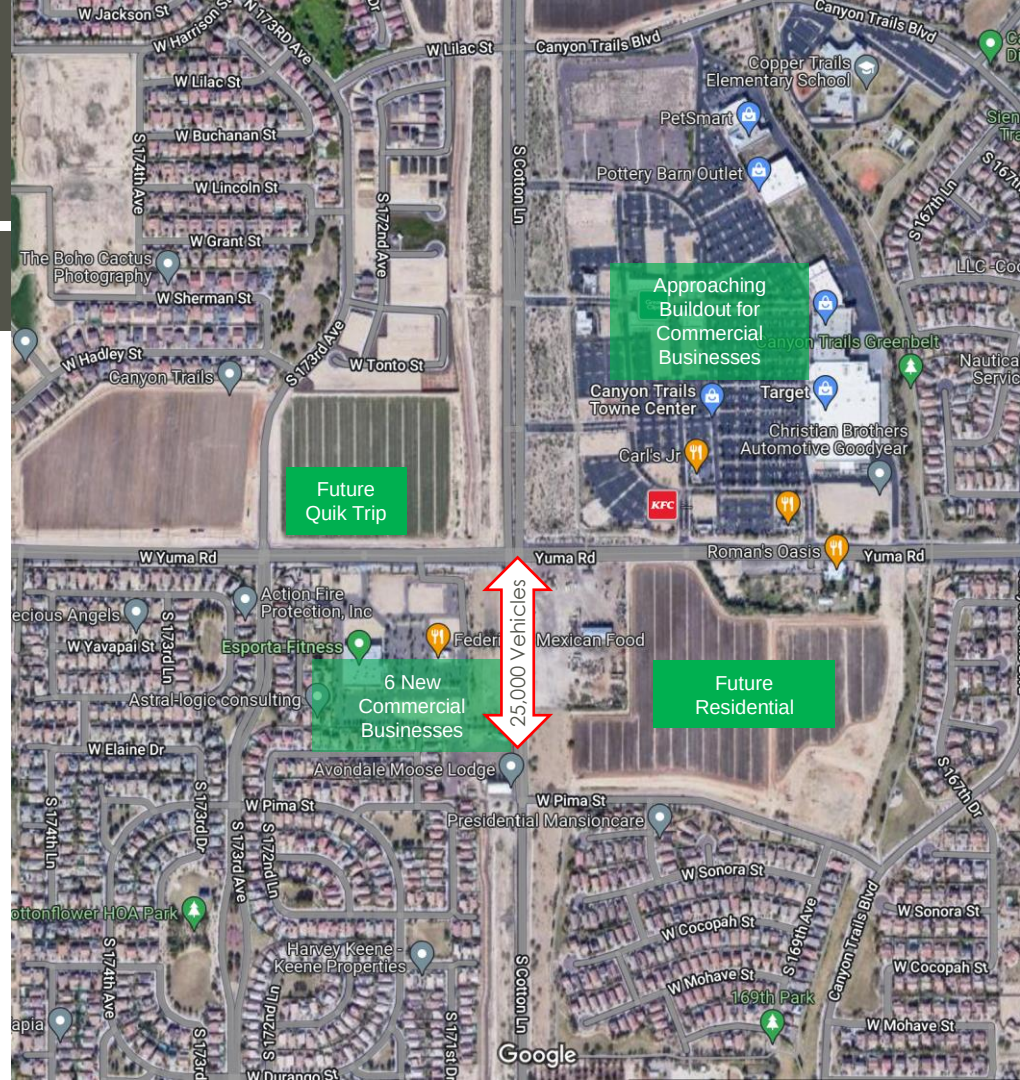
- Traffic Volume
 - 42,000 Vehicles 114% Capacity of a 4-lane Road
 - Approaching Yuma the right lane ends in a turn lane so it functions largely as 1 SB lane
- Planned and Future Developments



Cotton Lane

AT YUMA

- Traffic Volume
 - 25,000 Vehicles 137% Capacity of a 2-lane Road
- Planned Developments



Cotton Lane

LOWER BUCKEYE TO MC 85

- Traffic Counts
 - 19,000 Vehicles
 - 104% Capacity
- Planned Developments
- CLCP Half Street Improvements
- Elwood South – completes to 6-lane major arterial



3:30 PM Feb 1st



Cotton Lane & Indian School Rd

Current and Future CIP



- Road Capacity, Traffic Signals, Scallop Streets, Etc.
- \$225 million for current projects
- \$251 million for future year projects
- TMP will identify additional projects and guide the prioritization of projects
- Coordinating with the Citizen Bond Committee



Transportation is Expensive

- New construction 6-lane Arterial with median and bike lane is \$12 million per mile (construction only)
- Design (ballpark rule of thumb is 10% of the construction cost so for above means \$1.2 million)
- Right-of-way varies and depends on land uses too, but roughly if half of construction cost means \$6 million
- Drainage, Utilities also vary greatly but can also be very expensive so assuming roughly half is another \$6 million
- **This example equals 1-mile of a new arterial costs \$25.2 million**

Traffic Signals and ITS



EFFICIENCY AND MOBILITY

- Intelligent Transportation System
- Goodyear has approximately 105 traffic signals with more planned to replace stop signs in congested areas
- ITS helps those signals perform more efficiently
- Upgrades have been taking place over time, but demands on the system continue to grow with more population
- **New Traffic Signals cost approximately \$1.2+ million each**

TMP Role



PRIORITIZATION

- Public feedback
- Traffic Demand Model
- Data analysis

EQUALS:

- Prioritized Investment Plan

TMP - Story Map



- Interactive Public Involvement
- Open your phone's camera app
- Scan the QR code and open on your web browser
- Chris Bridges
- Transportation Planning Manager
- City of Goodyear, Arizona
- christopher.bridges@goodyearaz.gov

We Want Your Input!

You can help the city set its transportation priorities.

**Transportation
Master Plan**



**SCAN HERE TO
LEARN MORE**