

City of Rialto

Joint Transportation and Planning Commission

Workshop



Overview of Citywide Studies

Citywide Truck Route Study

Citywide Engineering and Traffic Speed Survey

Citywide Traffic Volume Report

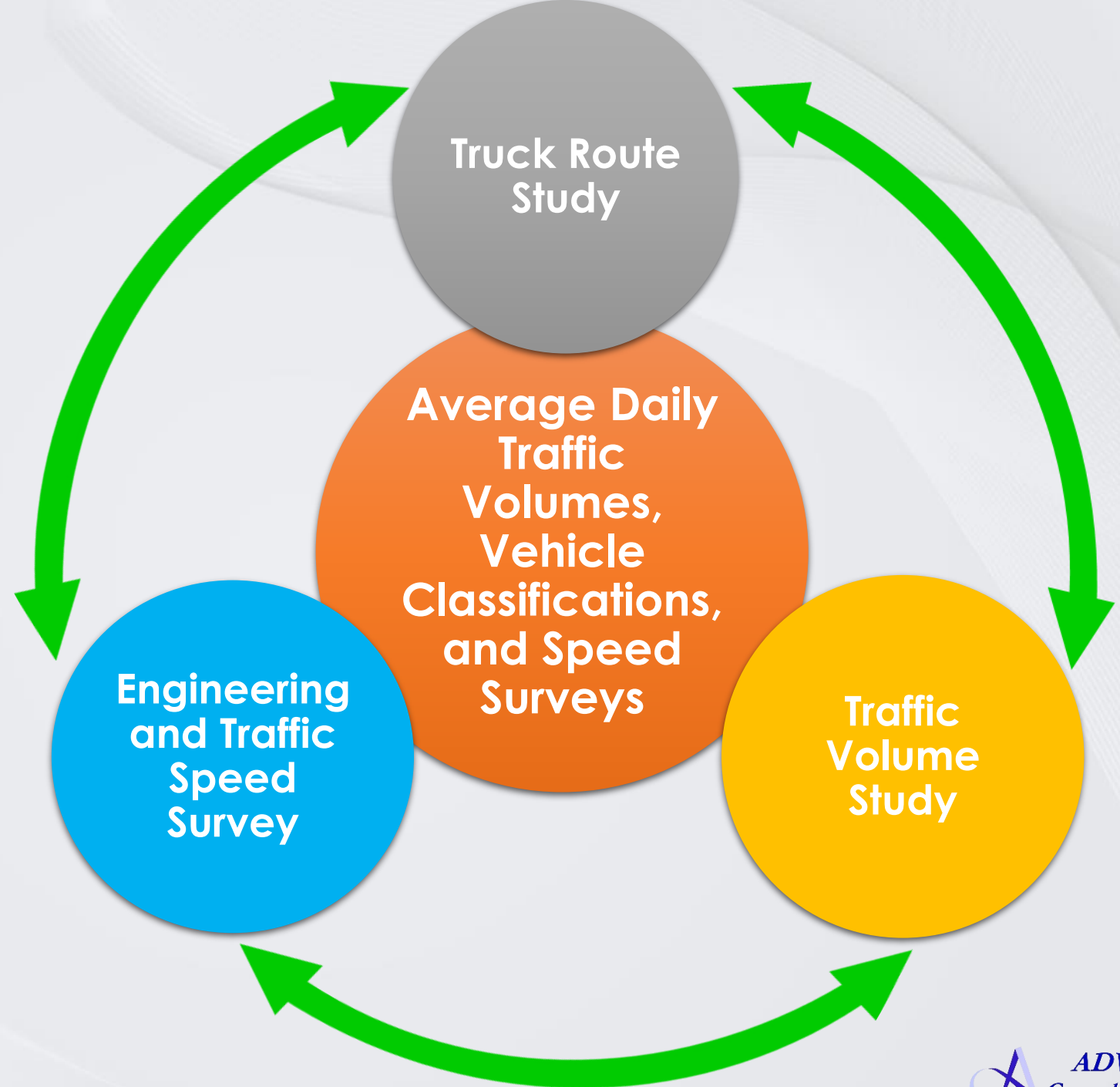
May 12, 2021

Presentation Objective and Agenda

- **Objective:** Obtain feedback and direction
- **Agenda:** Project overview
 - Citywide truck route study
 - Engineering and traffic speed survey
 - Citywide traffic volume report



**How Each
Study
Complements
Each Other...
And Future City
Programs**





City of Rialto

Citywide Truck Route Study Overview

Purpose, Definition, and City's Existing Truck Route

■ Purpose

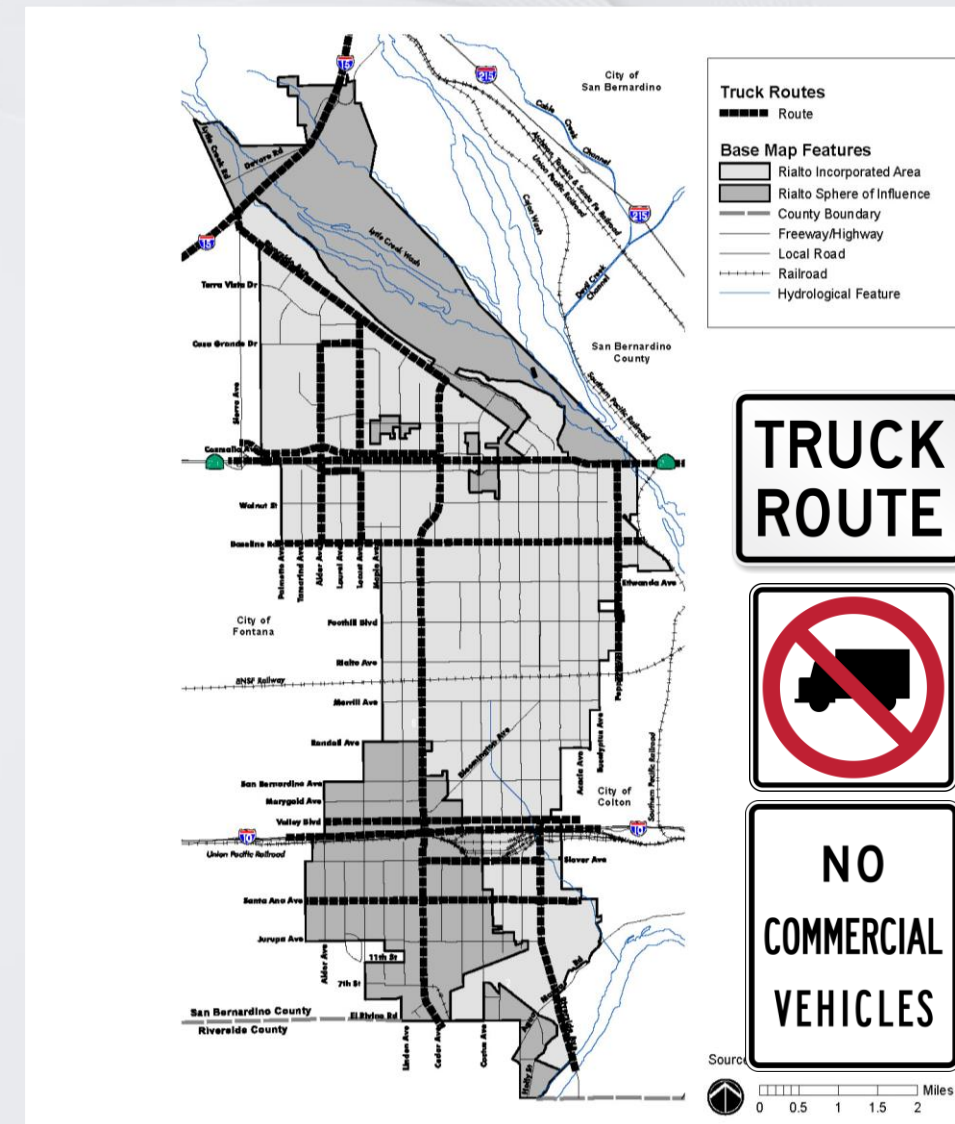
- To evaluate existing truck routes and consider any needed modifications
- Use for enforcement
- Use for future development planning

■ Definition of a Truck Route

- Any public road or highway within a jurisdiction that is designated as a route upon which the operation of commercial vehicles is permitted

■ City's Existing Truck Route Ordinance

- Section 10.40 – trucks/approved specific plan



What is Considered a Truck?



- **Truck considerations for roadway regulations:**
 - Weight limits
 - Truck trailer lengths
 - Number of axles
- **Note:** Delivery trucks and box trucks not classified as trucks



Citywide Truck Route Study Project Overview

■ Field Review

- Corridors, land uses, access points exiting/entering the city
- Evaluate and analyze existing conditions
- California vehicle code (CVC)
- California manual on uniform traffic control devices (CAMUTCD)
- City's General Plan, land uses, engineering judgement

■ Prepare a City of Rialto Truck Route Study

- Truck route recommendations
- Prepare a citywide truck route signage map
- Map of recommended truck route signs for city maintenance staff
- Identify key areas of concern, truck staging, truck parking, etc.



Consideration of Truck Routes

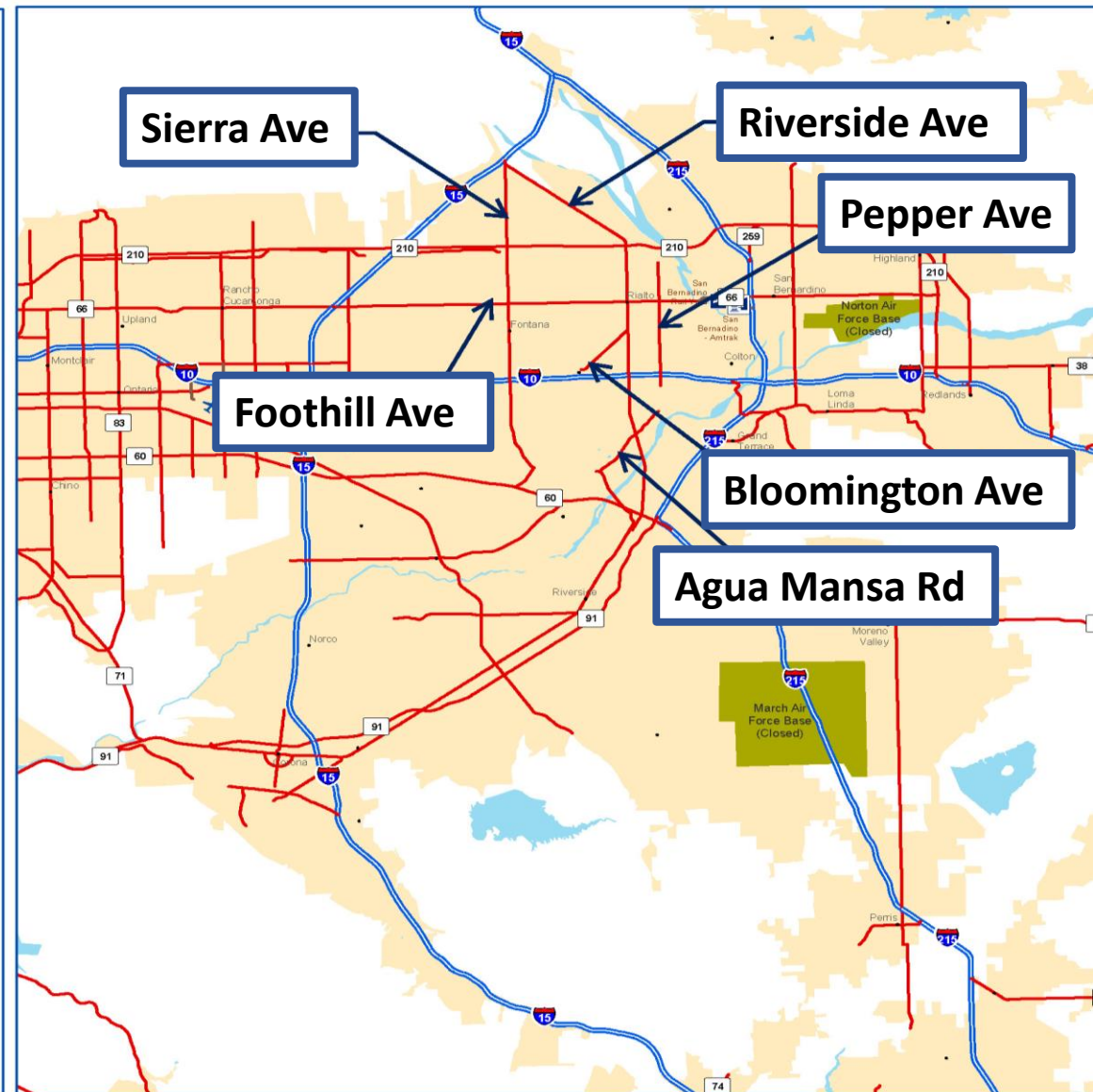
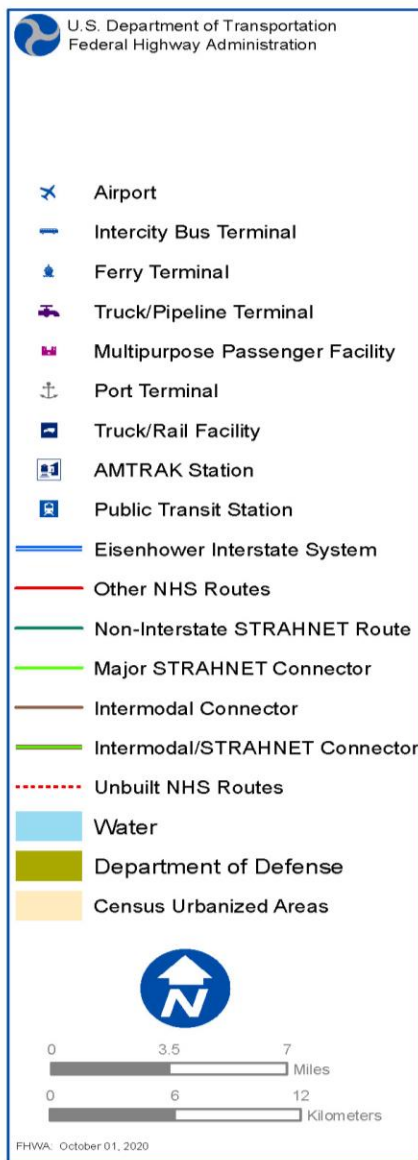
■ Evaluation Approach

- National highway system
- State routes
- City's approved routes
- Industrial facilities
- Connectivity to interstate highway system
- Connectivity to adjacent agencies' truck route corridors

■ Enforceability

- Approved truck routes
- City's codes
- City ordinances
- California vehicle codes

National Highway System : Riverside--San Bernardino, CA



Existing Truck Route Map – See Attachment A



Legend

- Existing Truck Route (Per General Plan)
- City Boundary

Truck Routes Map with Routes to be Analyzed – See Attachment B

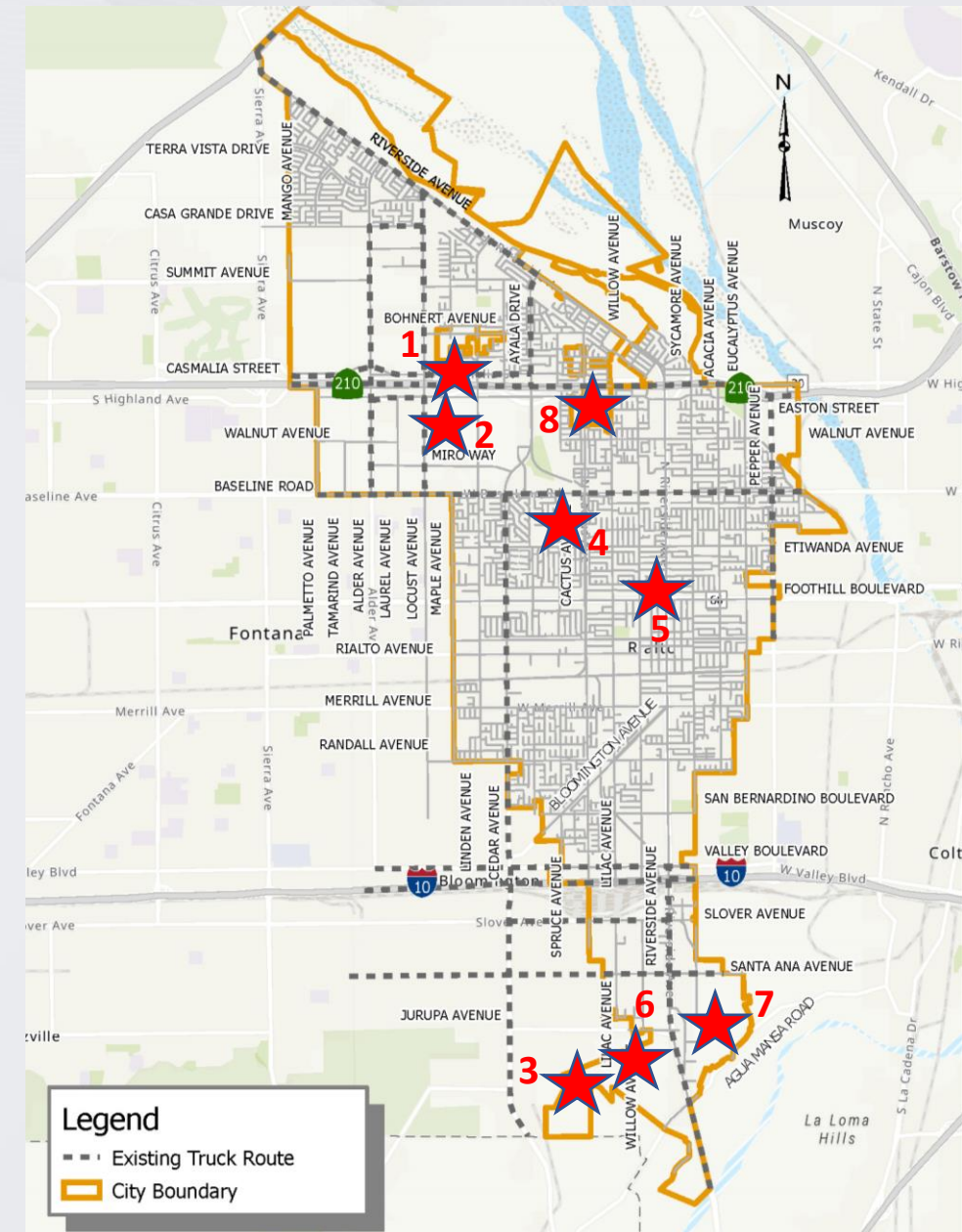


Legend

- Existing Truck Route (Per General Plan)
- Existing Truck Route Posted (Not in City's General Plan)
- Trucks Traveling Along These Corridors
- National Highway System Route To Be Evaluated
- Corridors To Be Analyzed Per Rialto PD Suggestion
- Route To Be Evaluated
- City Boundary

Preliminary Hot Spots Identified

1. Renaissance Area
2. Amazon Area 1
3. Amazon Area 2 (New)
4. Cactus Avenue
5. Foothill Boulevard
6. FedEx Area
7. Walmart
8. Easton St Neighborhood Area



Citywide Truck Route Study Deliverables

- **Approved Truck Route Study (2021)**

- Truck route map
- Recommended truck route signage
- Enforcement recommendations



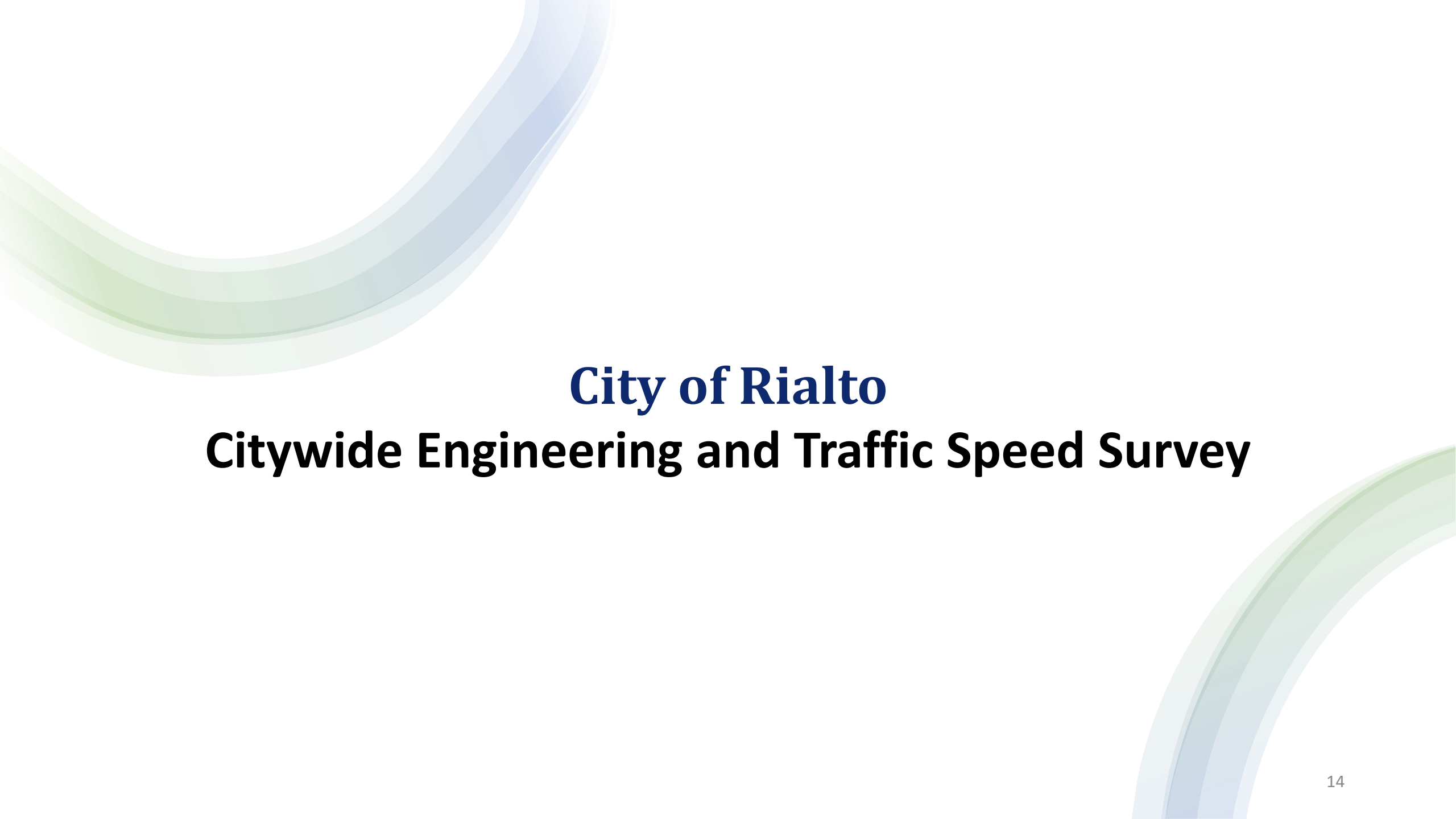
- **Truck Route Study will include Toolbox of Recommendations**

- City's pavement management plan
- Citywide signage and striping plan
- Citywide emergency plan, etc.

- **Feedback**

- ✓ **Comments**
- ✓ **Expectations**
- ✓ **Other deliverables**

Questions/Comments?



City of Rialto

Citywide Engineering and Traffic Speed Survey

Citywide Engineering and Traffic Speed Survey (E&TS)

■ Purpose

- To allow the city council to formally adopt and/or change specific speed limits at the surveyed locations
- To allow the Rialto Police Department to enforce speed limits in a court of law

■ An Engineering and Traffic Speed Survey Must Be Conducted Every 5, 7, or 10 Years

- Previous engineering and traffic speed survey was conducted in 2011

Citywide Engineering and Traffic Speed Survey

■ Traffic Data Collection

- Radar speed survey (175 roadway segments)
 - Both direction of travel
- Collision history
- Daily counts

■ Field Review

- Corridors, business districts, residential districts, adjacent agencies speed limits
- Roadway obstructions (e.g. line of sight, etc.)
- Conducted by a licensed professional engineer

■ Evaluate and Analyze

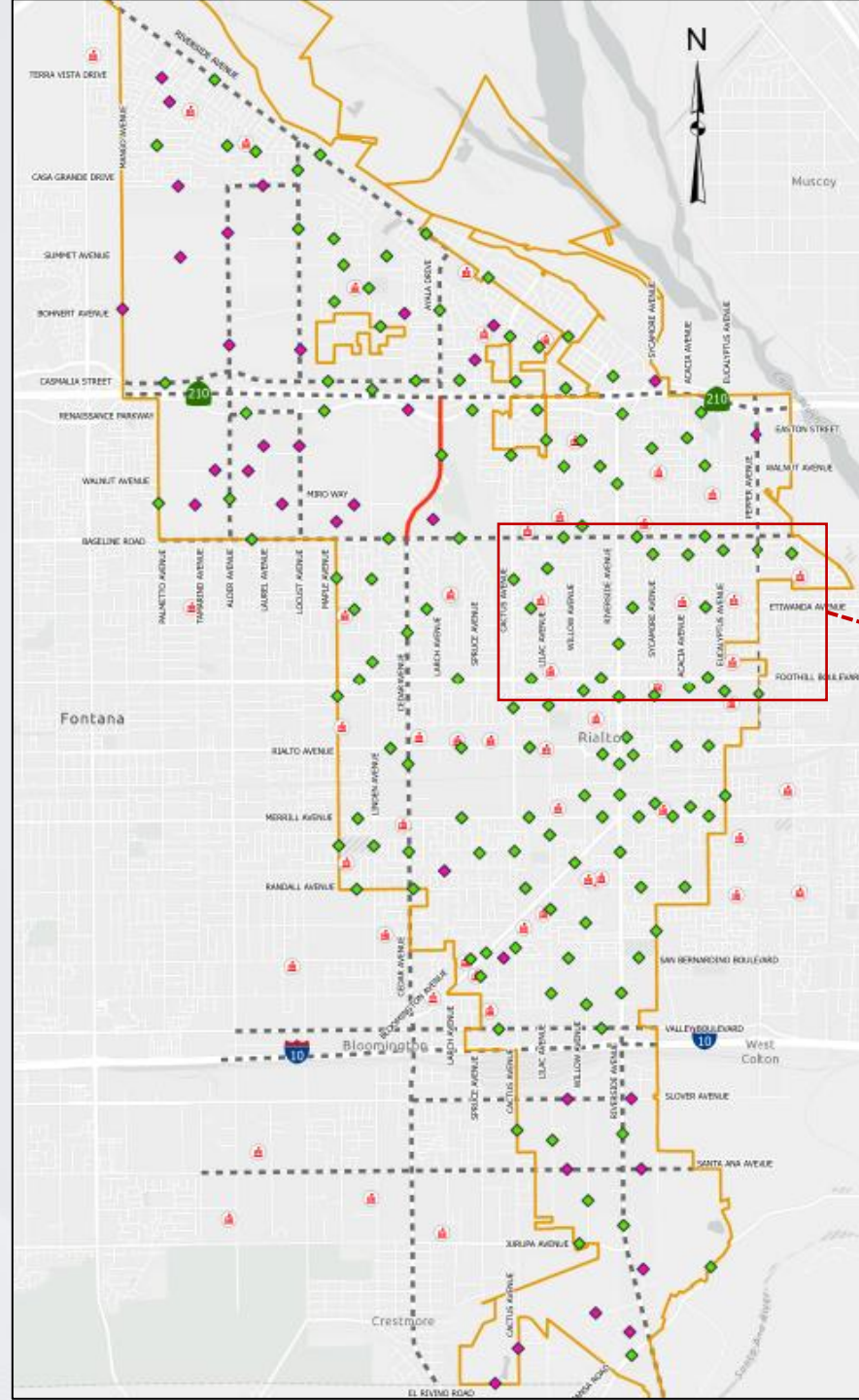
- Review previously approved study (2011)
- Radar speed surveys
- Collision history
- Roadway segment characteristics
- Speed limit sign locations



Speed Survey Locations – See Attachment C

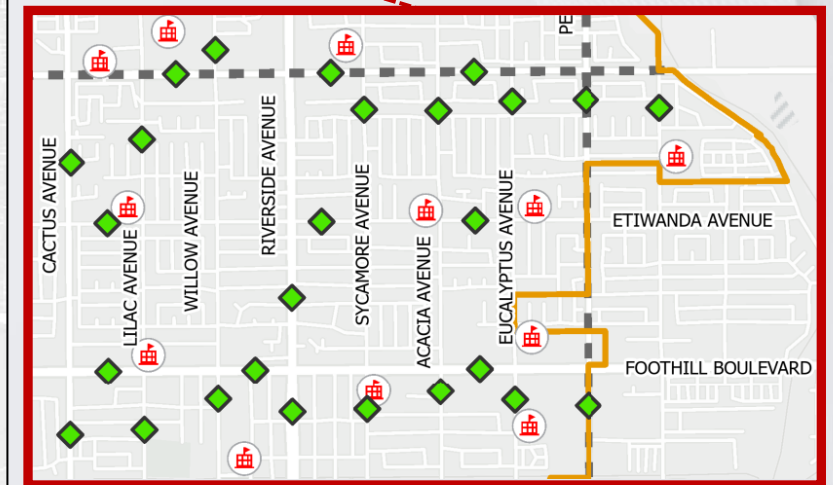
175 Speed Survey Locations

- 140 old locations
- 35 new locations



Legend

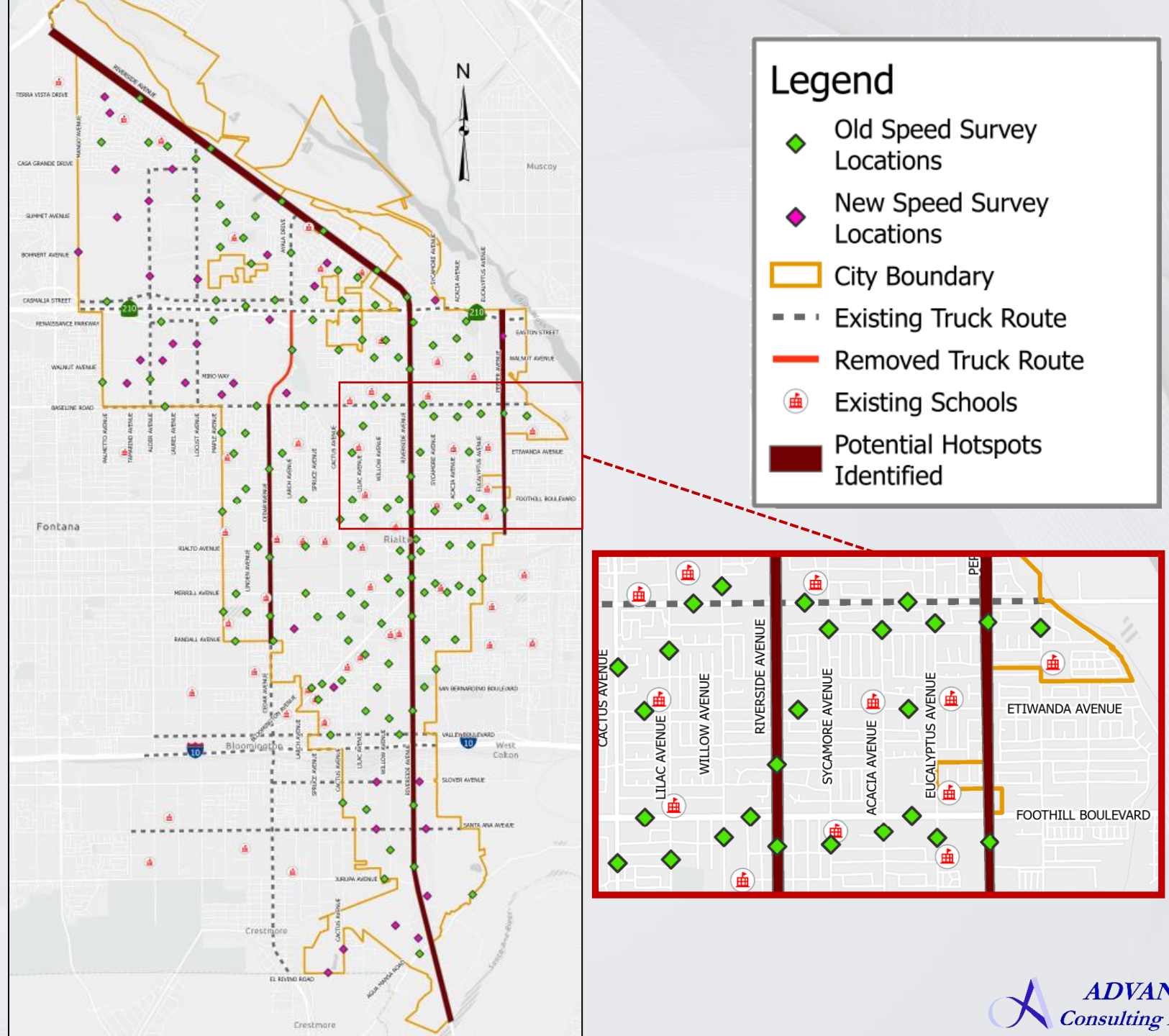
- ◆ Old Speed Survey Locations
- ◆ New Speed Survey Locations
- City Boundary
- Existing Truck Route
- Removed Truck Route
- Existing Schools



Potential Hot Spots Identified – See Attachment D

Common Speeding Locations

- Riverside Avenue
- Cedar Avenue
- Pepper Avenue



Deliverables of the Citywide Engineering and Traffic Speed Survey

- Provide city with an approved engineering and traffic speed survey (2021)
 - Allow city council to change/approve posted speed limits in City of Rialto
 - Allow city to post new speed limit signs
 - Legal document to be enforced by the court of law
- Feedback
 - ✓ Comments
 - ✓ Expectations
 - ✓ Other deliverables

Questions/Comments?



City of Rialto

Citywide Traffic Volume Report



Citywide Traffic Volume Report

- **Purpose**

- To compare traffic volume data collected in 2021 with City of Rialto Citywide ADT data collection (2014)

- **Current And Past Traffic Data Will Be Compared to Illustrate Areas of Growth**

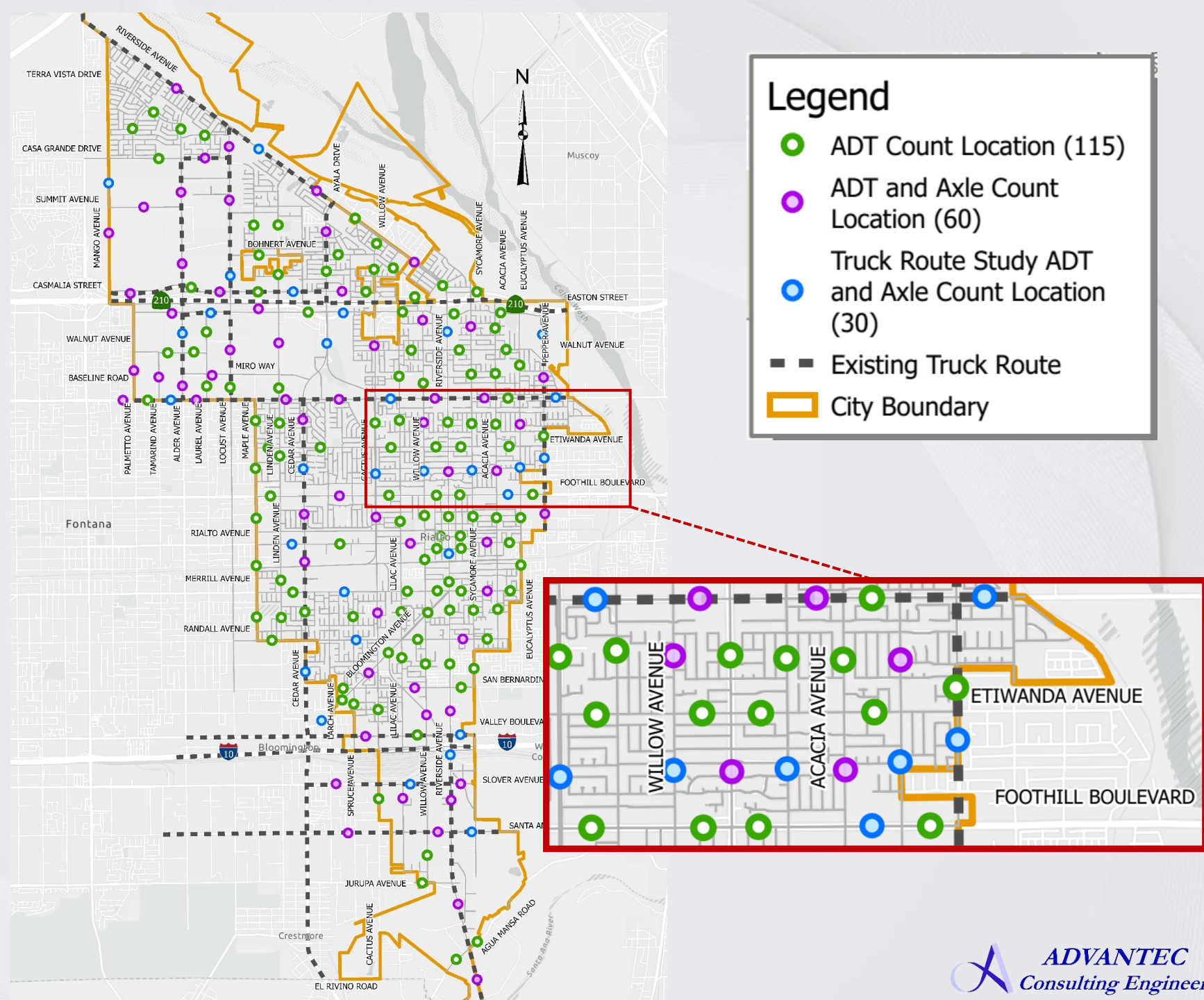
Citywide Traffic Volume Report

- **Traffic Data Collection**
 - 24-hour mid-block ADT counts (115 locations)
 - ADT counts with vehicle classification (60 locations)
 - Peak-hour volume counts (up to 5 locations)
 - Weekend ADT counts
- **Field Review**
 - Arterial and collector roadways
- **Evaluate and Analyze**
 - 2021 Data
- **Provide Tabular Summary of Volume Results**
- **Provide Traffic Flow Heat Maps**



Traffic Counts Data Collection— See Attachment E

- **24-Hour Mid-Block ADT Counts**
 - 115 locations
- **ADT Counts with Vehicle Classifications**
 - 90 locations
- **Weekend ADT Counts**
- **Peak-Hour Volume Counts**
 - Up to 5 locations

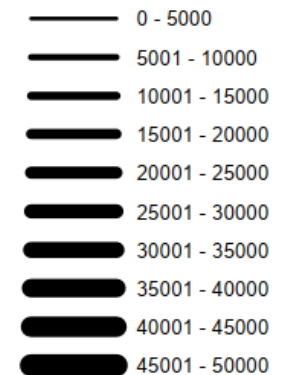


Deliverables of the Citywide Traffic Volume Report

- Provide City with an approved citywide traffic volume report (2021)
- Provide City with a summary of traffic data collected
- Provide City with roadway classification maps
- Provide City with traffic flow heat maps
- Citywide traffic volume report can be utilized by the City of Rialto
 - To compare recent volume data with past volume data
 - To identify traffic growth in relation to new city developments
 - For data in grant applications
 - For data in VMT and LOS analysis
 - For pre and post COVID traffic evaluation
 - For the development of traffic index for pavement management



Average Daily Traffic Volume



■ Feedback

- ✓ Comments
- ✓ Expectations
- ✓ Other deliverables

Questions/Comments?

Project Studies Timeline (Tentative/Proposed Dates)

- 1 Citywide Truck Route Study and
- 2 Citywide Traffic Volume Report

We Are Here
Mar 25th

June 1st

Compile Data – Submit for City Review

Citywide Field Review and
Collection of Relevant
Information, Report
Outlines

Data
Collection:
Speed
Survey, ADT
& Vehicle
Class Counts
(4-6 weeks)

Compilation of Data
Collection

July 13th Submit Draft Report

Aug 17th Submit Draft-Final Report

Sept 7th Final Report

2021

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

May 24th Compile Data – Submit for City Review

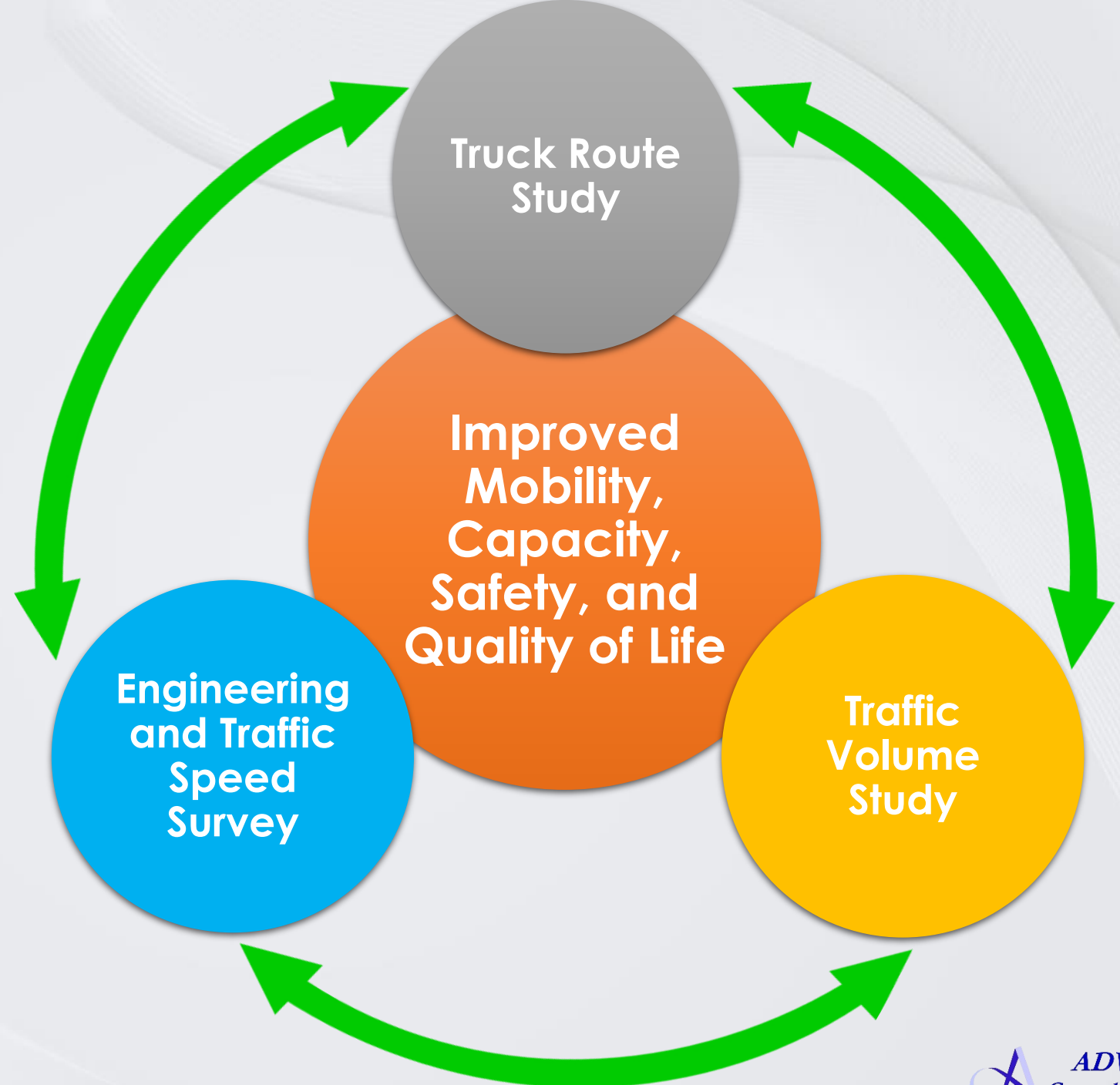
June 22nd Submit Draft Report

July 27th Submit Draft-Final Report

Aug 17th Final Report

- 3 Citywide Engineering and Traffic Speed Survey

Goals of the Projects



Final Questions/Comments?

**Citywide Truck Route Study
Citywide Engineering and Traffic Speed Survey
Citywide Traffic Volume Report**

Next Steps...