



# Cascade Road / I-285 Interchange Modification Study

Public Meeting - July 28, 2015





# Agenda – Public Meeting

- Introduction
- Need and Purpose
- Existing and Future Conditions
- Issues Concerns from Stakeholders Meeting
- Overview of Open House Format
- Next Steps and Upcoming Meetings
- Closing remarks
- Open House on Example Alternatives being considered



# Introductions

- Fulton County staff

- Antonio Valenzuela, Assistant Director
- Roussan Francois, Public Involvement Coordinator

- Ayres Associates staff

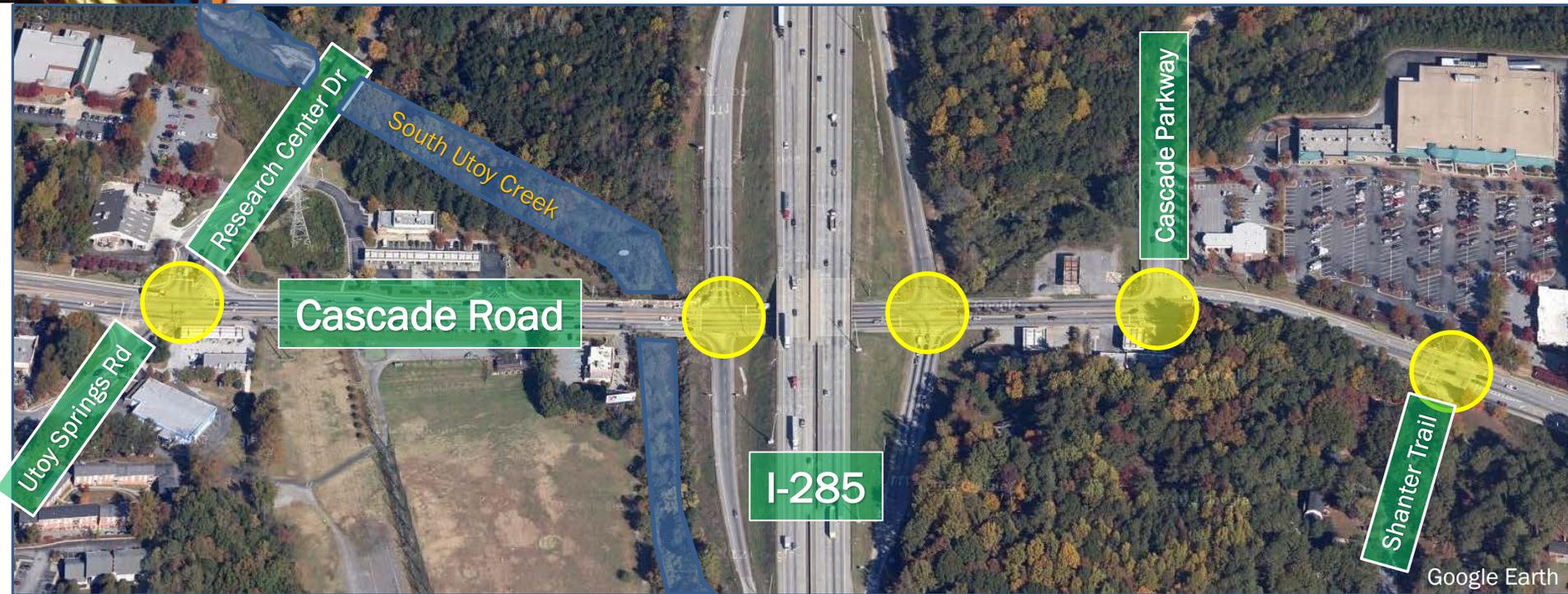
- John Davis, P.E., PTOE
- Kevin Kuhlow, P.E.
- Dori Sabeah, P.E.



# Need and Purpose

- Cascade Road experiences traffic congestion today and is expected to worsen as traffic volumes return to pre-recession levels and grow in the future.
- Identify and examine alternatives to alleviate vehicular congestion and safety concerns at the I-285 Interchange and along Cascade Road from Utoy Springs Road to Shanter Trail.

# I-285/Cascade Road Interchange Study Area



## Intersections on Cascade Road include:

- Utoy Springs Road/Research Center Drive
- SB I-285 ramp terminal
- NB I-285 ramp terminal
- Cascade Parkway
- Shanter Trail

# Existing and Future Conditions



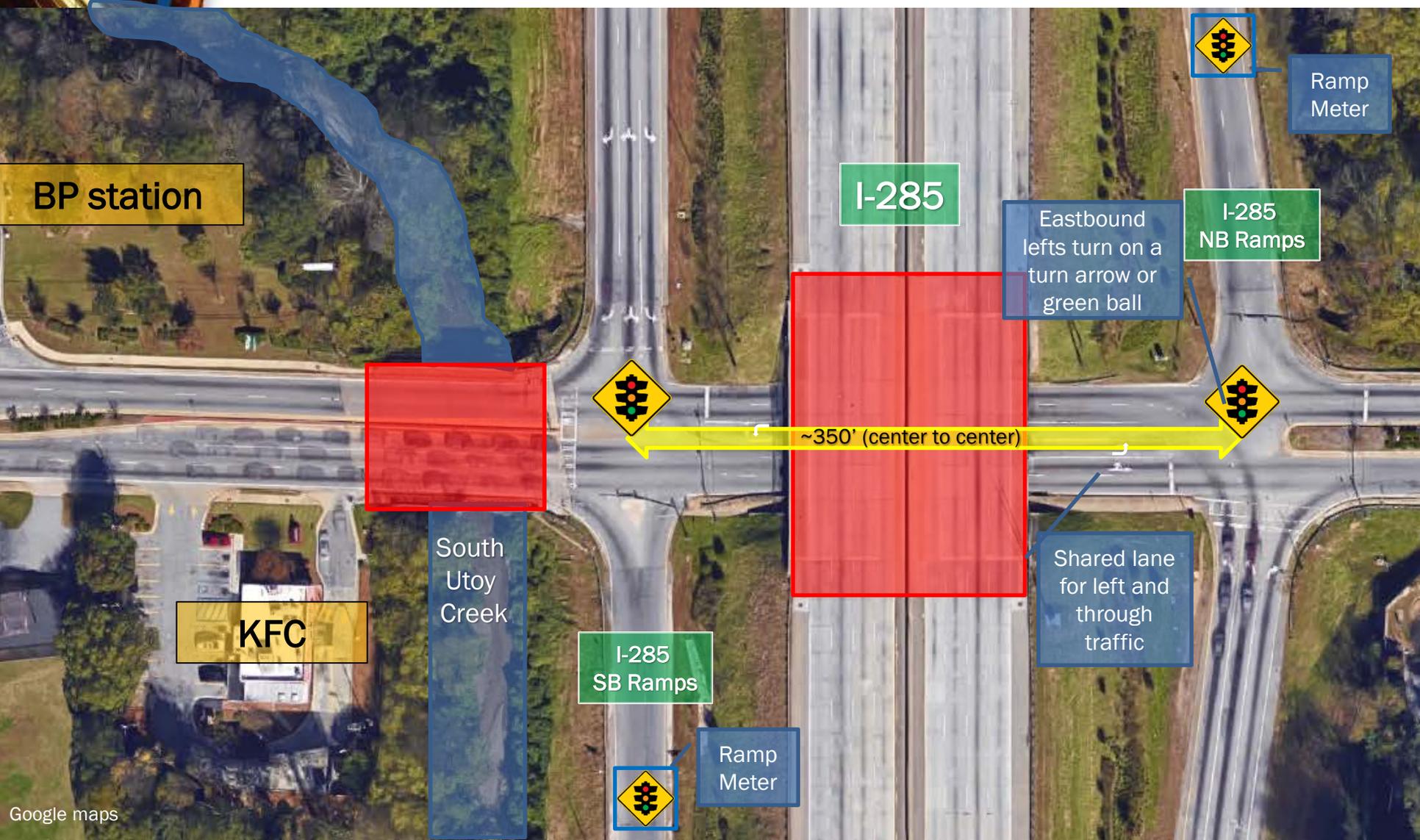
- Current physical features and intersection controls
- Land uses
- Existing traffic conditions
- Future traffic growth
- Future traffic conditions  
(no roadway improvements)

# Existing Conditions West Section

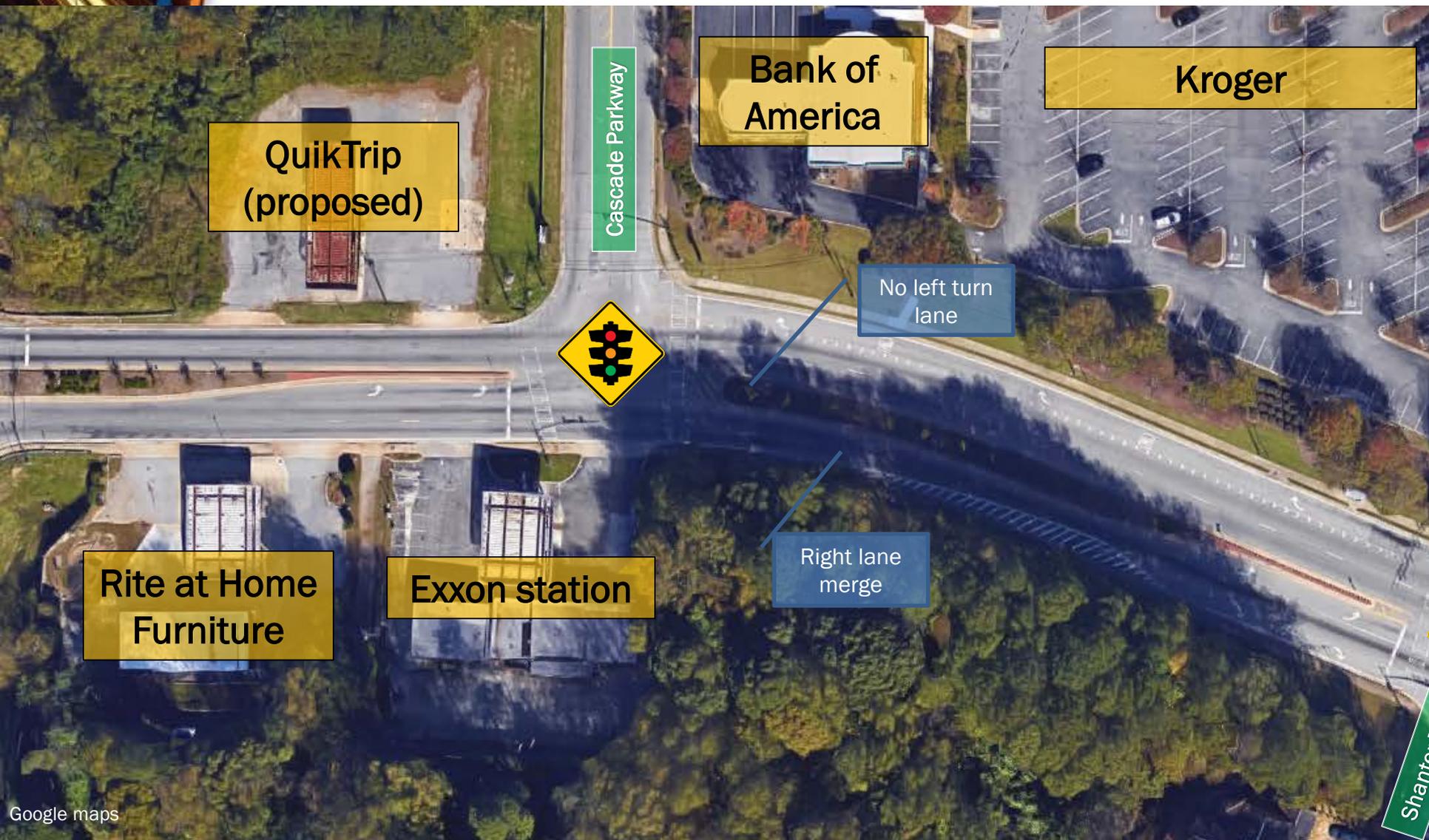
## I-285/Cascade Road Interchange Study Area



# Existing Conditions - Middle Section I-285/Cascade Road Interchange Study Area



# Existing Conditions – Eastern Section I-285/Cascade Road Interchange Study Area



QuikTrip  
(proposed)

Cascade Parkway

Bank of  
America

Kroger

No left turn  
lane



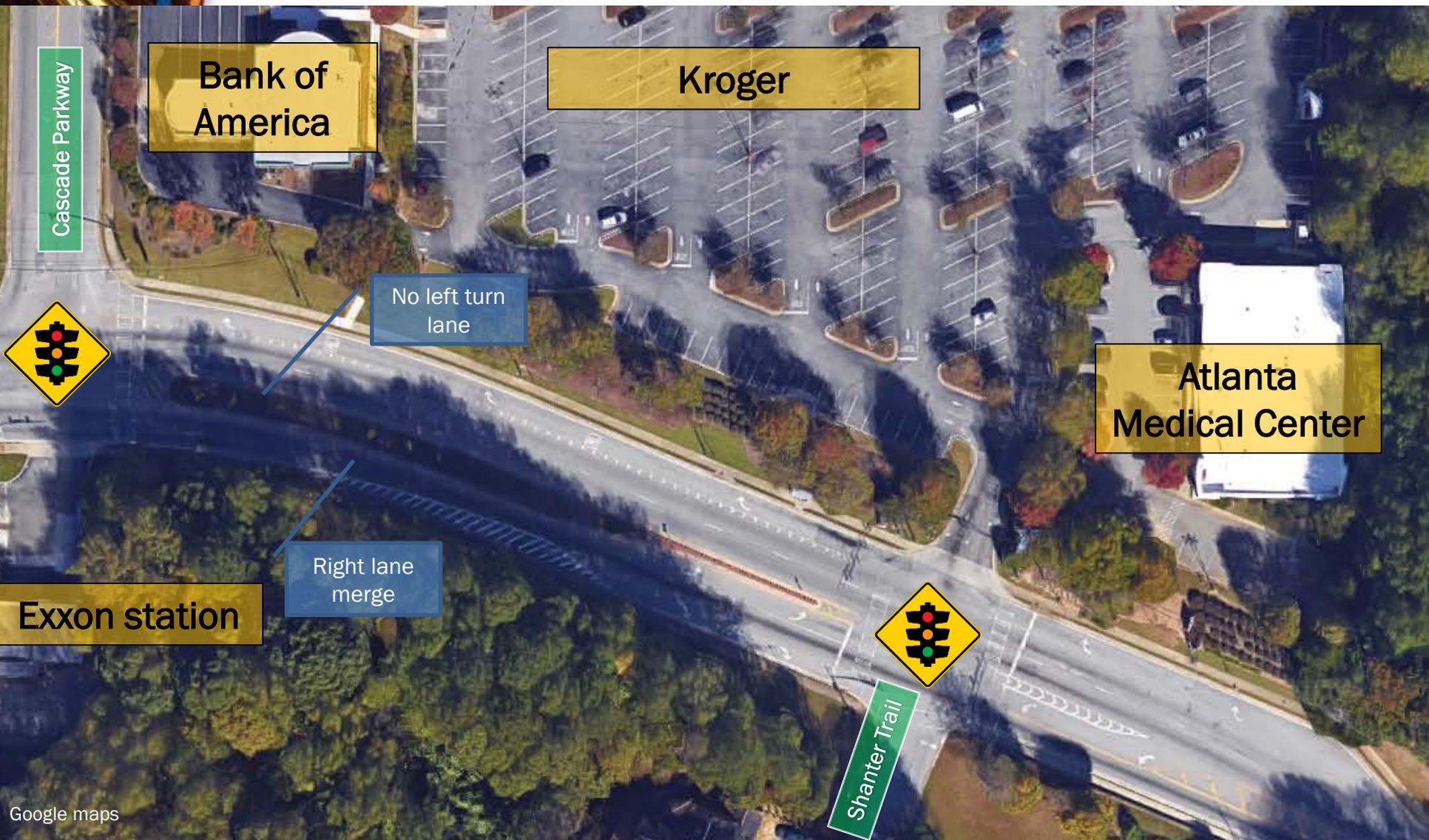
Right lane  
merge

Rite at Home  
Furniture

Exxon station

Shante

# Existing Conditions – Eastern Section I-285/Cascade Road Interchange Study Area



Cascade Parkway

Bank of America

Kroger

No left turn lane

Atlanta Medical Center

Right lane merge

Exxon station

Shanter Trail

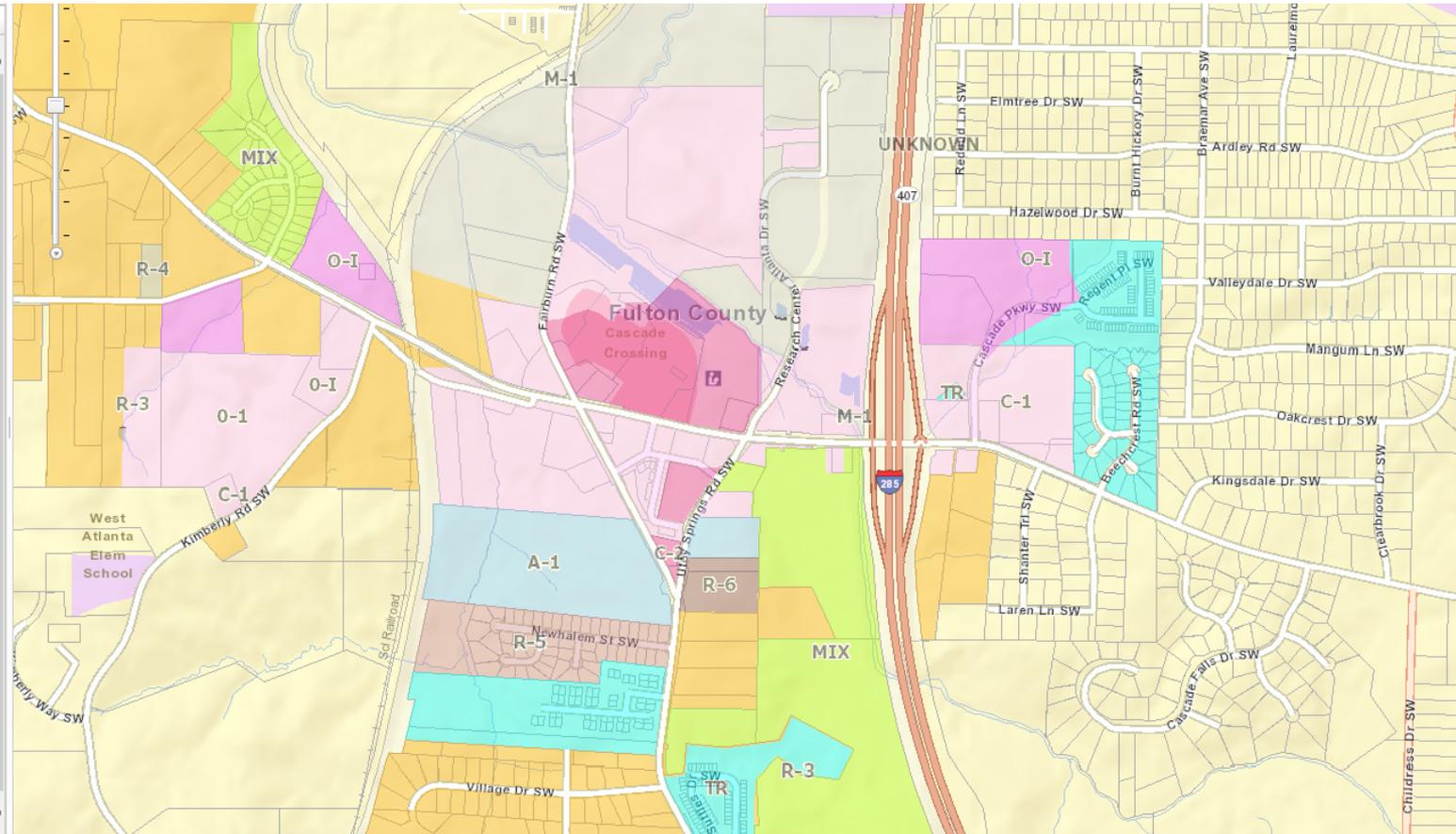
# Current Zoning Map



**Map Legend**

Zoning Map

- AG-1 (Agricultural)
- C-2 (Commercial)
- C-1 (Community Business)
- O-I (Office & Institutional)
- M-1 (Light Industrial)
- M-1A (Industrial Park)
- M-2 (Heavy Industrial)
- Cemetery
- CUP (Community Unit Plan)
- NUP (Neighborhood Unit Plan)
- MIX (Mixed Use)
- CHC-MIX (Chattahoochee Hill Country - Mix)
- MHP (Mobile Home Park)
- R-1 (Single Family Dwelling)
- R-2 (Single Family Dwelling)
- R-2A (Single Family Dwelling)
- R-3 (Single Family Dwelling)
- R-3A (Single Family Dwelling)
- R-4 (Single Family Dwelling)
- R-4A (Single Family Dwelling)
- R-5 (Single Family Dwelling)
- R-5A (Single Family Dwelling)
- R-6 (Single Family Dwelling)
- SUB-A (Single Family Dwelling)
- SUB-C (Single Family Dwelling)
- A (Medium Density Apartment)
- A-O (Apartment-Office)
- A-L (Apartment Limited Dwelling)
- A-1 (Apartment Dwelling)
- TR (Townhouse Residential)
- Unzoned
- Water



<http://gis.fultoncountygga.gov/apps/FutureLandUseMapView/>

# 2030 Future Land Use Map



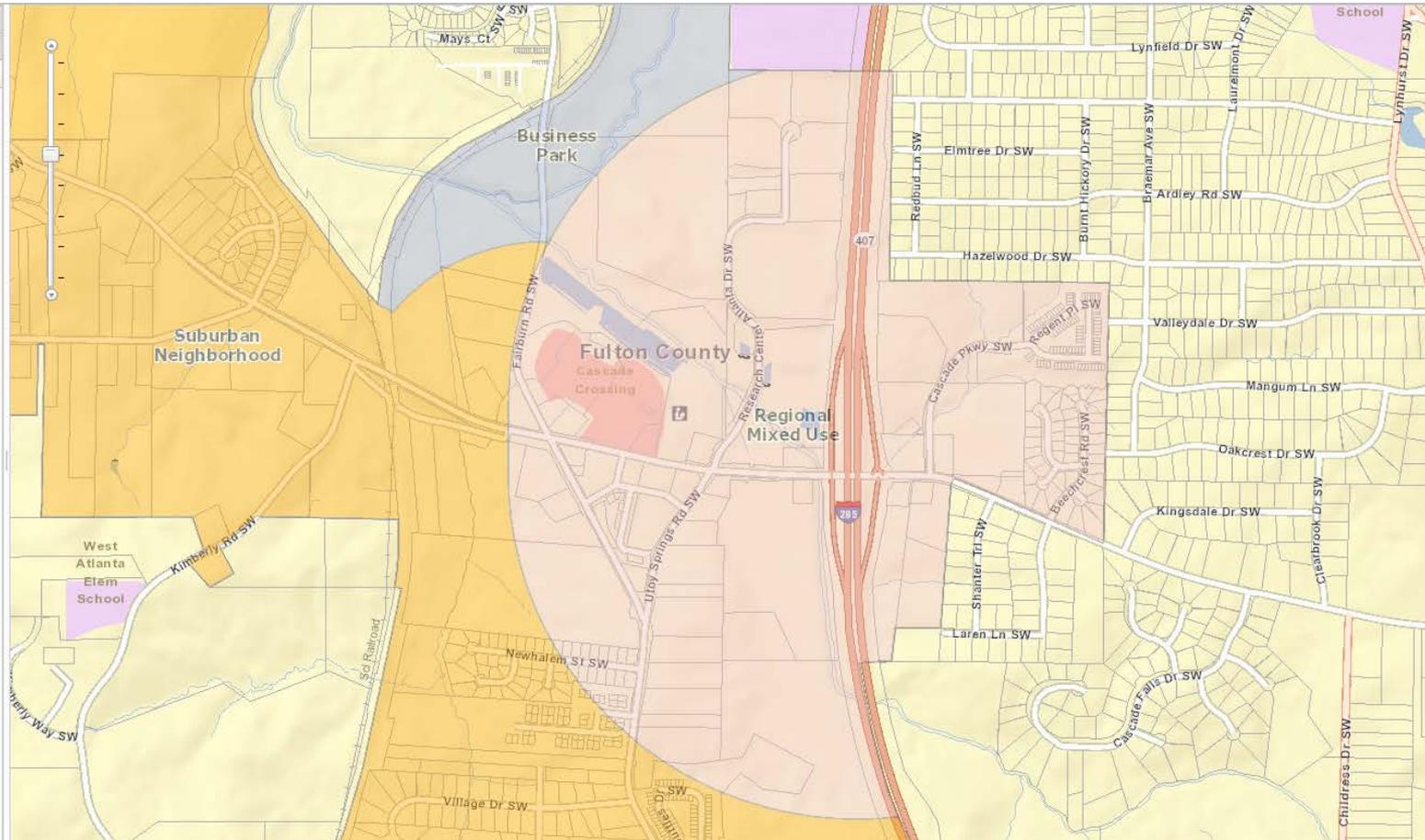
Information

Search Results

**Map Legend**

2030 Future Land Use Map

- Agricultural Neighborhood
- Business Park
- Community Mixed Use
- Crossroads Mixed Use
- Industrial Marketplace
- Industrial Zone
- Local Mixed Use
- Regional Mixed Use
- Rural Neighborhood
- South Fulton Pkwy Transitional
- Suburban II Neighborhood
- Suburban Neighborhood

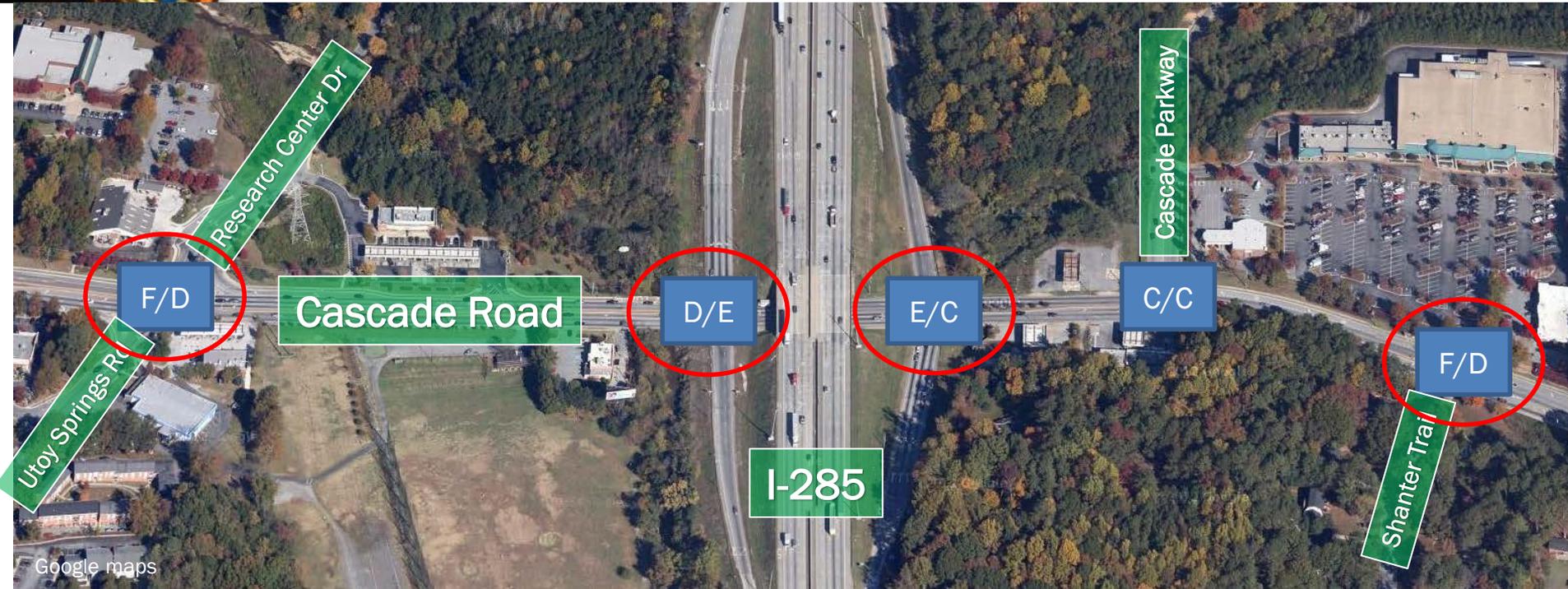


<http://gis.fultoncountygga.gov/apps/FutureLandUseMapView/>



# Existing Traffic Conditions

## - Year 2015



AM/PM

Quality of Traffic Movement in AM & PM Peak Hours

Graded 'A' to 'F', 'A' = Best

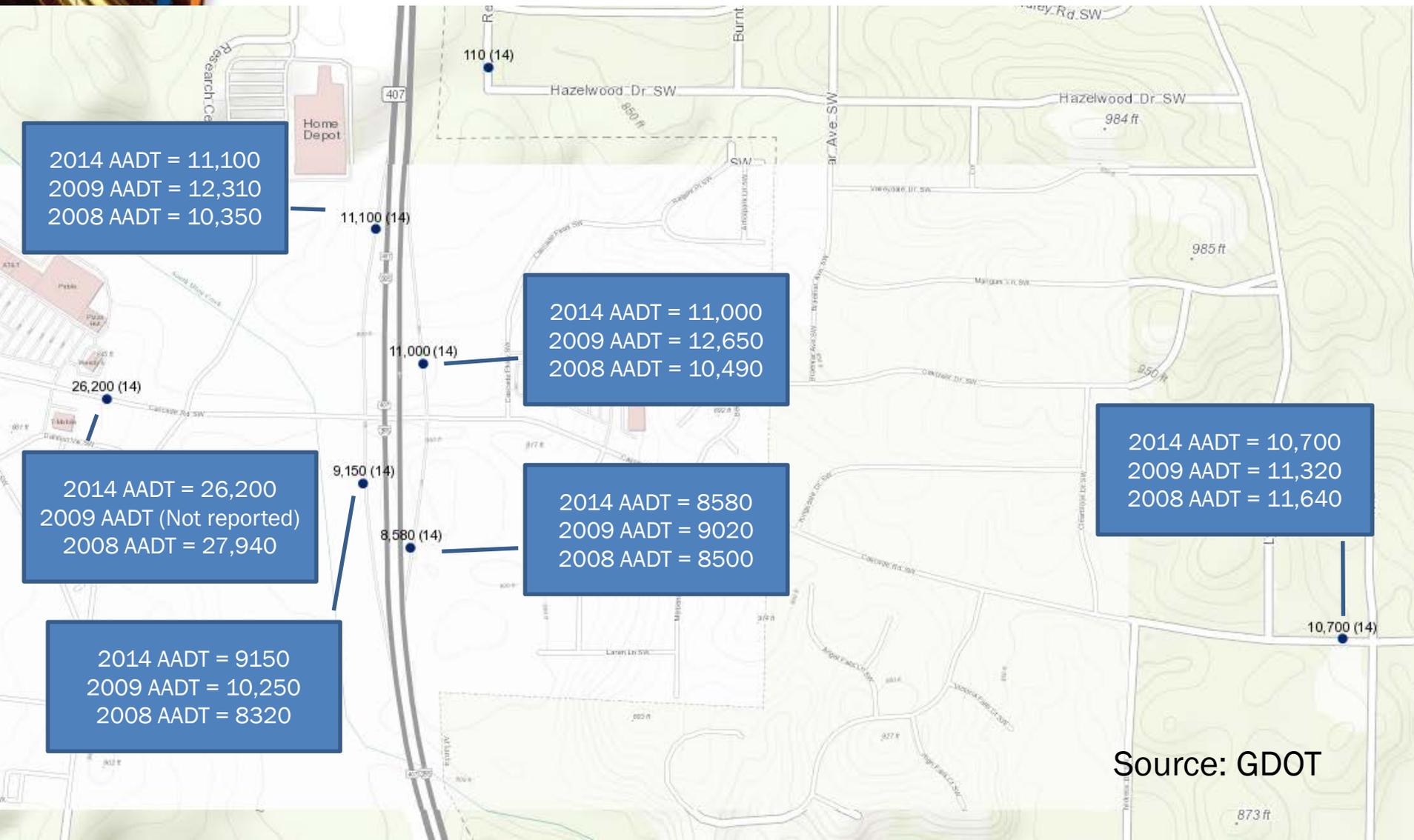
Lowest vehicle movement grade at an intersection shown



# Future Traffic Conditions

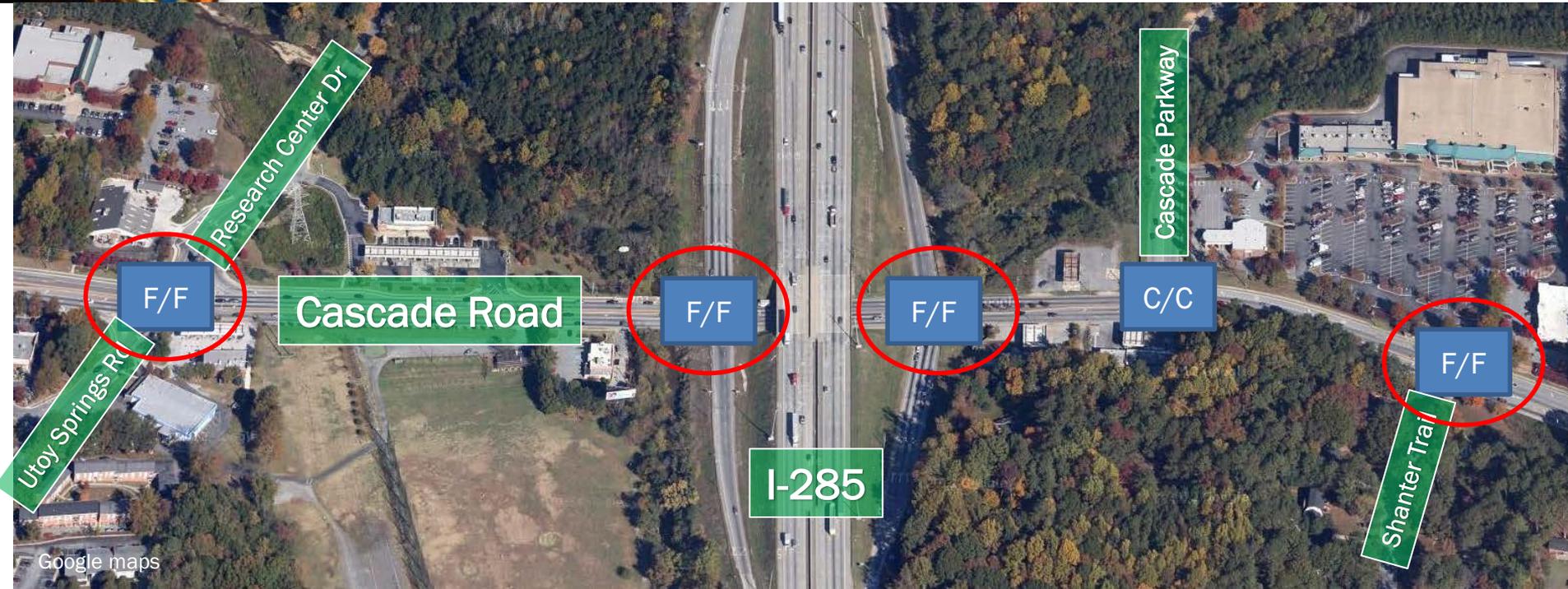
- Typical traffic forecasts are 20 years into the future, which for this study is 2035
- 2% annual growth until 2020 (5 years) to account for post-recession traffic growth
  - Annual Average Daily Traffic
    - 2008 AADT = 27,940 vehicles per day
    - 2014 AADT = 26,200 vehicles per day
- 0.5% annual growth after 2020 for next 15 years to 2035

# 2014 Annual Average Daily Traffic (AADT) Volumes



# Future Traffic Conditions

- Year 2035 (with existing roadway)



AM/PM

Quality of Traffic Movement in AM & PM Peak Hours

Graded 'A' to 'F', 'A' = Best

Lowest vehicle movement grade at an intersection shown



# Issues and Suggestions from Stakeholders Meeting



Keywords	Comment
Access	Alternative ramp access to Research Center Dr (from I-285)(HD)
Access	Explore creating parallel corridors (to Cascade and I-285)(HD)
Access	Alternate access from ramps (from I-285) to Research Center
Congestion	Traffic light synchronizing
Congestion	Widening of Cascade Road to increase flow
Congestion	Synchronize of traffic signals at Cascade and entry into 285 north
Congestion	Bottlenecking on certain days of week and times of day
Congestion	Synchronized traffic lights
Landscape	At (I-285) Ramps – tear down the plants, need a better structure to reduce erosion and for safe maintenance. Can they (slopes) be terraced?
Lighting	Street lighting similar to Danforth
Lighting	LED lighting for light poles
Transit	Consider relying more on transit and improving transit vs widening the roads
Utilities	Underground wiring – Utilities – removal of poles to underground

Keywords	Comment
Right of Way	The corridor is too tight for widening
Roadway	Increase storage on ramps (HD)
Roadway	What will the new interchange look like?
Roadway	Bow tie effect under (I-285) bridge
Roadway	Widen Cascade under I-285
Roadway	Create FULL SIGNALIZED intersection of Cascade Parkway and Cascade Road
Roadway	Two lanes needed (on Cascade Road for eastbound between Cascade Pkwy and Shanter Trail)
Roadway	Widening
Roadway	2 dedicated turning lanes, 2 straight lanes on Cascade (at northbound I-285 ramp terminal)
Safety	Raise medians to reduce (pedestrian) crossing through plants (between Utoy Springs Rd and South Utoy Creek)
Safety	Pedestrian issues – strategize cross walk safety fencing (Research Center Drive intersection)
Safety	Need for pedestrian friendly areas as part of plans (i.e. sidewalks, bike paths)
Safety	Pedestrian safety issues
Safety	Bicycling friendly
Safety	Sidewalks

# Next Steps - Project Schedule



## I-285 Cascade Road Interchange Modification Report

Task	2015									
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Contract award	●									
Data collection	■	■								
Analysis of Traffic Data		■	■							
Conceptual Lay-outs and Report				■	■					
Public Information and Stakeholders meetings			■	■		■	■			
Interchange Modification Report					■	■	■	■	●	

**Public Meeting #2**  
**Monday, October 5, 2015**

# Overview of Open House Format



Three stations to view and discuss example alternatives being considered

- [Station #1](#)
  - Conventional diamond interchange with traffic signals
- [Station #2](#)
  - Conventional diamond interchange with roundabouts
- [Station #3](#)
  - Diverging diamond interchange with traffic signals

## Example Alternatives

### **At Station #1 - Conventional diamond interchange with traffic signals**



Google maps

I-285 and Cobb Parkway  
Atlanta, GA

**AYRES**  
ASSOCIATES

## Example Alternatives

### **At Station #2 - Conventional diamond interchange with roundabouts**



Google maps

**'C' Street and O'Malley Road  
Anchorage, Alaska**

**AYRES  
ASSOCIATES**

# Example Alternatives

## **At Station #3 - Diverging diamond interchange with traffic signals**



I-285 and Ashford Dunwoody Road  
Atlanta, GA  
(opened June 2012)





# Closing Remarks

- Please return comment forms
- Contact Information

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(813) 558-3362

- Next Public Meeting
  - Monday, October 5, 2015
- Thank you for your attendance
- Open House stations