Central Alexandria Traffic Study

July 7, 2016, Douglas MacArthur School

Meeting Agenda

1. Welcome and Introductions
2. Purpose of the Traffic Study, Civic Association Group and Draft Meeting Schedule
3. Background
4. Review of Study Scope
5. Group Discussion
6. Public Comment
7. Adjournment

Ground Rules

- Everyone's opinions are important and valid
- Meetings will begin and end on time
- Please follow the agenda
- Be respectful and courteous - avoid dominating the conversation
- Purpose of the meeting is for Group discussion
- Time is reserved for public comment toward the end
- Please silence cell phones and other mobile devices

Purpose of Traffic Study

- Respond to neighborhood concerns about traffic
- Measure and better understand origins/destinations of traffic, traffic volumes, and cut-through traffic
- Test neighborhood improvements with future traffic conditions and programmed capital improvements to relieve traffic pressure in neighborhoods

Traffic Study Group

- Two representatives from Seminary Hill, Seminary Ridge, Clover College Park, and Taylor Run Civic Associations
- Provide input on the traffic study
- Review scope, data collection, and proposed mitigations for traffic study

Civic Association Representative Group

Meeting #1 Summer 2016: Review traffic study scope elements

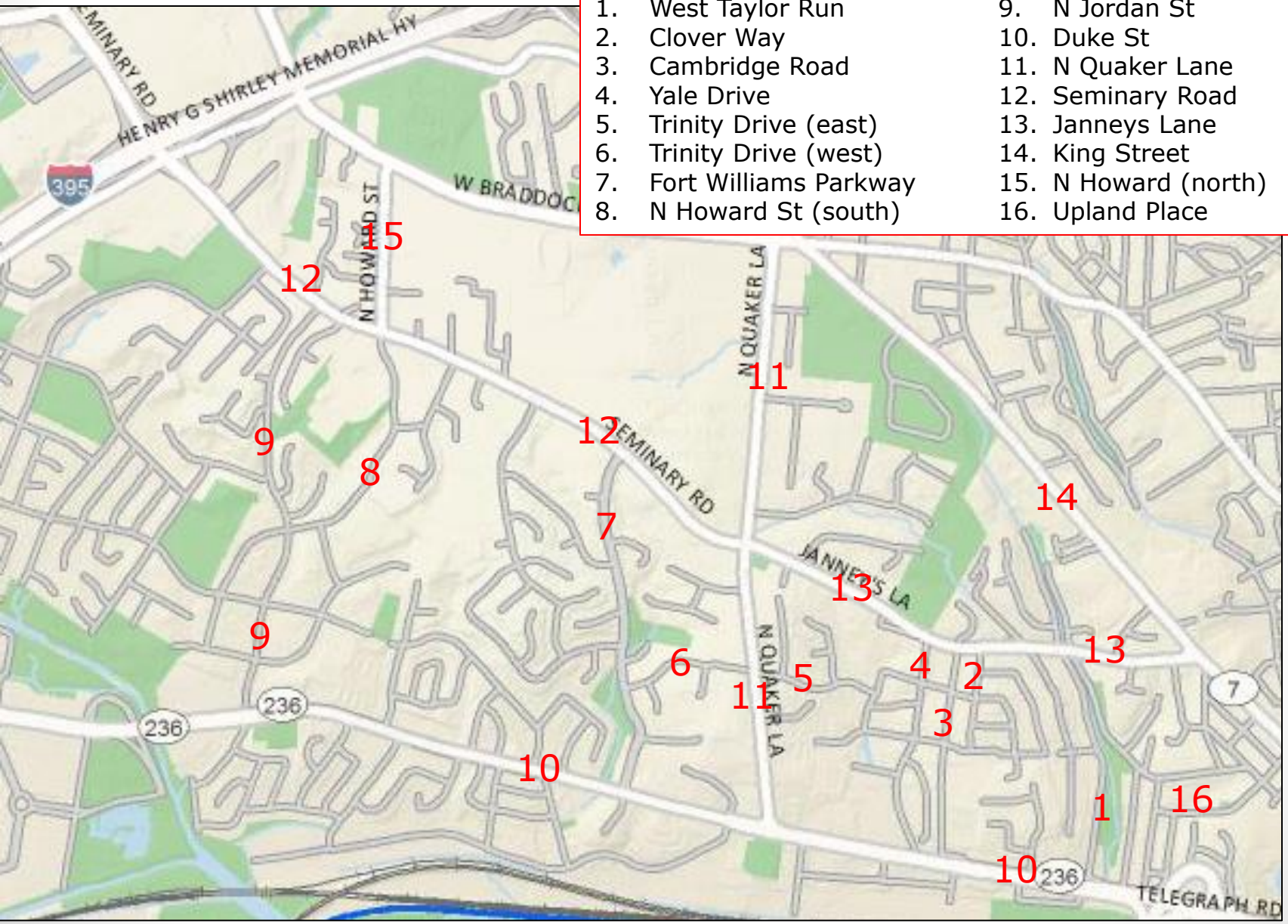
Meeting #2 Fall 2016: Review data collected and mitigations to test

Meeting #3 Winter 2016/2017: Review results of mitigation testing and provide input on next steps

**an additional meeting may be necessary to gain further input*

Background: Speed & Volume Data Collected

1. West Taylor Run
2. Clover Way
3. Cambridge Road
4. Yale Drive
5. Trinity Drive (east)
6. Trinity Drive (west)
7. Fort Williams Parkway
8. N Howard St (south)
9. N Jordan St
10. Duke St
11. N Quaker Lane
12. Seminary Road
13. Janneys Lane
14. King Street
15. N Howard (north)
16. Upland Place



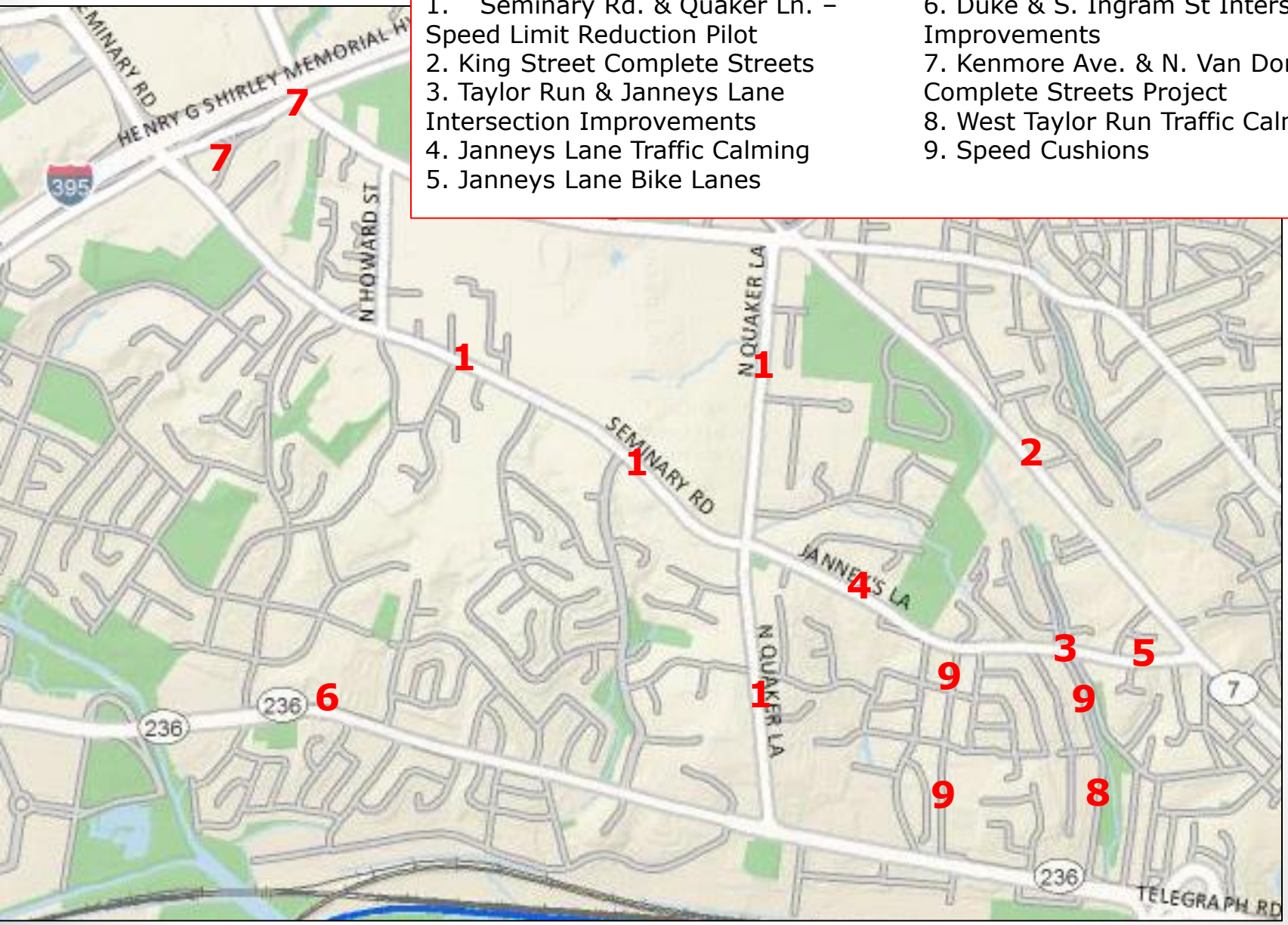
Background: Traffic Studies

- 2002 Origin-Destination Traffic Study
- 2011 Corridor Cities Transitway Study (Duke Street Transitway)
- 2016 Bishop Ireton Traffic Study

Background: Complete Streets Projects

Complete Streets Projects Approved or Implemented to Date

1. Seminary Rd. & Quaker Ln. – Speed Limit Reduction Pilot
2. King Street Complete Streets
3. Taylor Run & Janneys Lane Intersection Improvements
4. Janneys Lane Traffic Calming
5. Janneys Lane Bike Lanes
6. Duke & S. Ingram St Intersection Improvements
7. Kenmore Ave. & N. Van Dorn St. Complete Streets Project
8. West Taylor Run Traffic Calming
9. Speed Cushions



Draft Scope Elements

1. Existing traffic volumes, origins, and destinations
2. Traffic forecasts with 2040 baseline scenario
3. Traffic forecasts with 2040 build scenario with Capital Improvement Program improvements and with potential neighborhood improvements

For signalized intersections, includes future level of service, average delay, and queue analysis

What is an origin/destination study?

- Study used in transportation planning to determine travel patterns of vehicles in a particular area
- Given the travel patterns, the impacts of alternative solutions to current and future transportation problems can be evaluated
- Calculates travel time and vehicle volumes

Technical Data Collection Method – Origin/Destination

- Bluetooth technology captures fine grain level of origin/destination data
- Captures cell phones in vehicle, assigns number to cell phone but does not gather cell phone information
- Typically two weeks of data collection
- Several tube volume counters to calibrate Bluetooth counters
- Peak period counts method reduces cost and captures peak travel
- Cost allows for approximately 10-15 intersections

Draft Origin/Destination Data Collection Points

Group Discussion

1. Which intersections are high priority for study?
2. Are there missing intersections?

Public Comment

Next Steps

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Meeting #2 Fall 2016: Review data collected and mitigations to test

Meeting #3 Winter 2016/2017: Review results of mitigation testing and provide input on next steps

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Questions/Comments

THANK YOU!