1. Welcome and Introductions
2. Purpose of the Traffic Study and Background
3. Review of Traffic Study Scope
4. Group Discussion
5. Public Comment
6. 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
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
Project Goals

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

Summer 2015

Meeting 1

Project introduction and review of data collection locations

Fall/Winter 2016

Meeting 2

Review project scope and data collection methods

Spring 2017

Meeting 3

Review data collection results and potential mitigations

Summer 2017

Meeting 4

Review and discuss potential mitigations
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
<table>
<thead>
<tr>
<th>What We’ve Heard</th>
<th>How We’ve Responded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Origin Destination data collection should be expanded where feasible within the scope to capture more locations</td>
<td>Origin destination map revised to include additional locations</td>
</tr>
<tr>
<td>Study should include data from other recent traffic studies conducted</td>
<td>Staff will provide this data to the consultant to be incorporated into the study</td>
</tr>
<tr>
<td>The Alexandria Police Department should be included in the discussion</td>
<td>Going forward, the Alexandria Police Department will attend group meetings as needed</td>
</tr>
<tr>
<td>More discussion/explanation necessary for the data collections methods and scope should consider expanding beyond bluetooth data collection method</td>
<td>Meeting #2 includes discussion of data collection methods and project scope has been modified to allow for proposals on a number of different data collection methods</td>
</tr>
<tr>
<td>Best traffic engineering/planning practices nationally and regionally should be used in the study</td>
<td>Staff incorporates regional and national best practices in traffic engineering/planning into City studies</td>
</tr>
</tbody>
</table>
Draft Origin/Destination Data Collection Points – Revised following 7/7/16 Group Meeting
Project Scope – Key Tasks

- Review background studies
- Collect existing conditions data: origin-destination (O-D), volume, speeds, crashes
- Provide a matrix with pros and cons, and detection rate for data collection method
- Collect data at 15 - 20 locations in AM and PM peak hours for 1-2 week period
- Understand travel pattern, traffic volumes, speeds, and traffic origins and destinations in project area
- Prepare study report
- Prepare short term and long term recommendations to mitigate traffic
- Analyze existing conditions and mitigation measures
- Prepare preliminary cost estimates for potential improvements
Data Collection Methods: Manual or Video License Plate

- Conventional method
- Provides full number plate information
- Very resource intensive
- Requires large resources to watch video and record license plate
- Provides data for single day during peak hours
Data Collection Methods: Aerial Photography

- Short duration - generally up to 2 hours at a time
- Photograph entire area every 1 second
- Vehicles are traced to determine the destination
- High cost
- Limitations at night and streets with tree canopies
Data Collection Method: Bluetooth

- Uses media access control address and time stamp
- Provides over longer period of time (2 weeks)
- Conducted during any time of day
- Less expensive
- Penetration rate between 5% to 15%
Data Collection Methods: Cell Phone Data

- Technology turns real time mobile signal into location data
- Does not reflect actual trip
- Uses data from cellular carrier
- Penetration rate between 15% to 25%
- Provides data for single day during peak hours
Data Collection Method

- Pros and Cons of sampling method
- Cost Sampling method
- Selection of sampling method
- Check point locations
- Duration of data collection
1. Which scope tasks are a high priority?
2. Are there any missing scope tasks to be considered that meet the project goals?
Public Comment
Next Steps

**Meeting 1**
Project introduction and review of data collection locations

**Meeting 2**
Review project scope and data collection methods

**Meeting 3**
Review data collection results and potential mitigations

**Meeting 4**
Review and discuss potential mitigations
Thank you!