Central Alexandria Traffic Study

February 22, 2018
Bishop Ireton School
Meeting Agenda

1. Welcome and Introductions
2. Review Discussion from last meeting
3. Overview of Already Planned Projects
4. Recommended Mitigations
5. Traffic Analysis of Recommendations
6. Public Comment
7. Next Steps
Ground Rules

• Everyone’s opinions are important and valid
• Meetings will begin and end on time
• Please follow the agenda
• Be respectful and courteous
• Purpose of the meeting is for Task Force discussion
• Time is reserved for public comment toward the end
• Please silence cell phones and other mobile devices
Review of Discussion from Mtg #5

• Three Themes/Objectives of Study
  • Safety
  • Reduce Congestion/Maintain Access
  • Reduce Cut-Through

• Difficulty of balancing tradeoffs
  • Strategies to address one objective often result in negative impacts to another
  • i.e. mitigation to reduce congestion can lead to more cut-through, and visa versa

• All four neighborhood groups ranked Reducing Cut-Through as #1 priority
1. King Street: Complete Streets/Road Diet
2. Janneys Lane @ ETR/WTR: Complete Streets intersection improvements
3. WTR: Bike lanes and speed cushions
4. Seminary @ Quaker: Signal timing improvements
5. Ped/Bike improvement @ park on Taney
6. Jordan @ Howard Safe Routes to School intersection improvements
7. Taney Ave: Bike lanes and intersection improvements
8. N Van Dorn: Bike lanes, pedestrian crosswalks and islands, intersection redesign
9. Holmes Run Trail Greenway Project
10. Seminary & Quaker 25mph speed limits
Prior Recommended Improvements for Study Area

1. Seminary Rd/Hammond Middle School: Ped & Bike Master Plan Case Study #2
2. Seminary & Howard Pedestrian Improvement Project
3. Patrick Henry Elementary: Safe Routes to School Walk Audit
5. Polk Elementary: Safe Routes to School Walk Audit
Completed & Recommended Improvements in Study Area

- Pedestrian/Crosswalk Improvements
- Bike Improvements
- Bus Stop Improvements
- Traffic Calming

City of Alexandria
Central Neighborhood Study

Study Area

City Limits
Rail
Water
Study Area
Park
Central Alexandria Traffic Study

Recommendations

- Pedestrian/Crosswalk Improvements
- Bike Improvements
- Bus Stop Improvements
- Traffic Calming
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Recommendations

1. Crosswalk/Pedestrian Improvements on Seminary Rd
   • Recommendations from Ped & Bike Master Plan
   • Repair/Upgrade several existing crosswalks and curb ramps
2. Modify pedestrian crossing signals/phasing at N Jordan and N Howard intersections
3. Evaluate feasibility of improving crossing and access to bus stop at Seminary Road and Kenmore Avenue
4. Install speed cushions on N Jordan Street
5. Initiate Complete Streets process to determine feasibility of street redesign for Seminary Road
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Recommendations

- Pedestrian/Crosswalk Improvements
- Bike Improvements
- Bus Stop Improvements
- Traffic Calming
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Recommendations

1. Afternoon (3-7pm) Turn Restrictions
   • E Taylor Run – Southbound Right Turn onto Access Rd
   • Moncure Drive/Hilton Street – Southbound Right Turn onto Access Rd

2. Additional Speed Cushion on E Taylor Run

3. Reconfigure East Taylor Run and South View Terrace intersection to create safer turns

4. Install new mid-block crossing on West Taylor Run at Angel Park

5. Upgrade several crosswalks on Yale Drive

6. Afternoon (3-7pm) Turn Restriction; N Quaker Lane Southbound Left Turn onto Trinity Drive
Existing Vehicle Volumes Impacted by Proposed Turn Restrictions
Existing Vehicle Volumes Impacted by Proposed Turn Restrictions
PM Peak Turn Restriction Impacts - Change in Delay
Turn Restriction Impacts

- Fewer southbound vehicles turning from West Taylor Run onto Telegraph Road leads to improvement in overall signal operation.
- Less green time needed for SB West Taylor Run.
- Four (4) seconds of green time shifted from West Taylor Run to Duke Street.
- Additional vehicle volumes turning left onto West Taylor Run from Janneys Ln would make it more difficult for northbound vehicles on West Taylor Run to exit the street onto Janneys Lane.
- Fewer vehicles entering Clover-College Park on Trinity Drive would result in decreased delay on Duke Street at both Yale Drive and Cambridge Street intersections.
- Analysis did not result in any significant impacts on N Quaker Ln and Duke St signal.
Evaluate Turn Restriction Impacts in 6-12 Months

- Drivers have many routing options through the Study area, so it is difficult to fully predict and analyze every possible scenario
- If implemented as Pilot project, Staff will collect additional data and evaluate impacts of turn restrictions in 6-12 months
Central Alexandria Traffic Study
Long Term Recommendations and Policy Statements

1. Redesign/reconfigure the Duke Street at West Taylor Run Parkway intersection
2. “Corridor B” – Duke Street Transitway and Complete Streets project
3. Initiate design of Seminary Rd and N Howard St intersections through Complete Streets program

• Possible Policy recommendations:
  • Continue to support Regional transit projects/initiatives
  • Consider additional corridor-length traffic calming projects on arterials
  • Reaffirm support of Corridor B as a Transitway and consider Complete Street redesign as part of the process
  • Support legislation for safer streets and electronic routing database
Group Discussion

- Study & Long Term Policy Recommendations
  - Concerns, Questions & Consensus
    - Are we on the right track?
    - What’s missing?
Next Steps

• Take recommendations to associations and provide comments to City

• Update to Transportation Commission on March 28th

• Update to City Council on April 10th

• Final Deliverable: Memo to Council outlining recommendations