

City of Alexandria, Virginia

# Duke Street and West Taylor Run Parkway

June 20, 2015

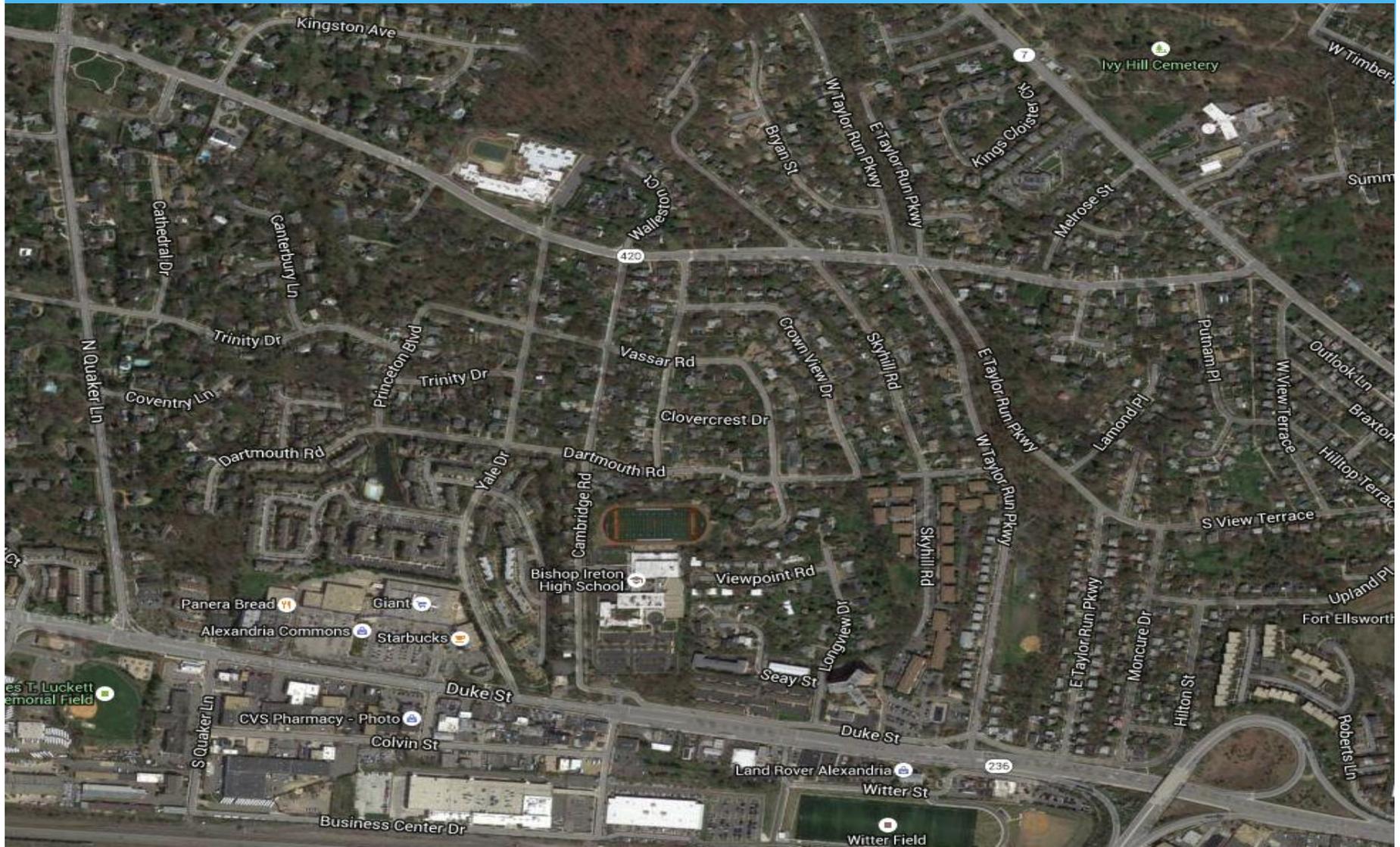


# What Has Happened To Date?



- Initial community meeting in April
- Staff heard concerns about traffic volume, safety, cut-through traffic and speeding on Taylor Run
- City staff performed a traffic study in late spring to gather data and assess scope of problem
- Performed peer review on scenarios

# Study Area



# Purpose of Tonight's Meeting

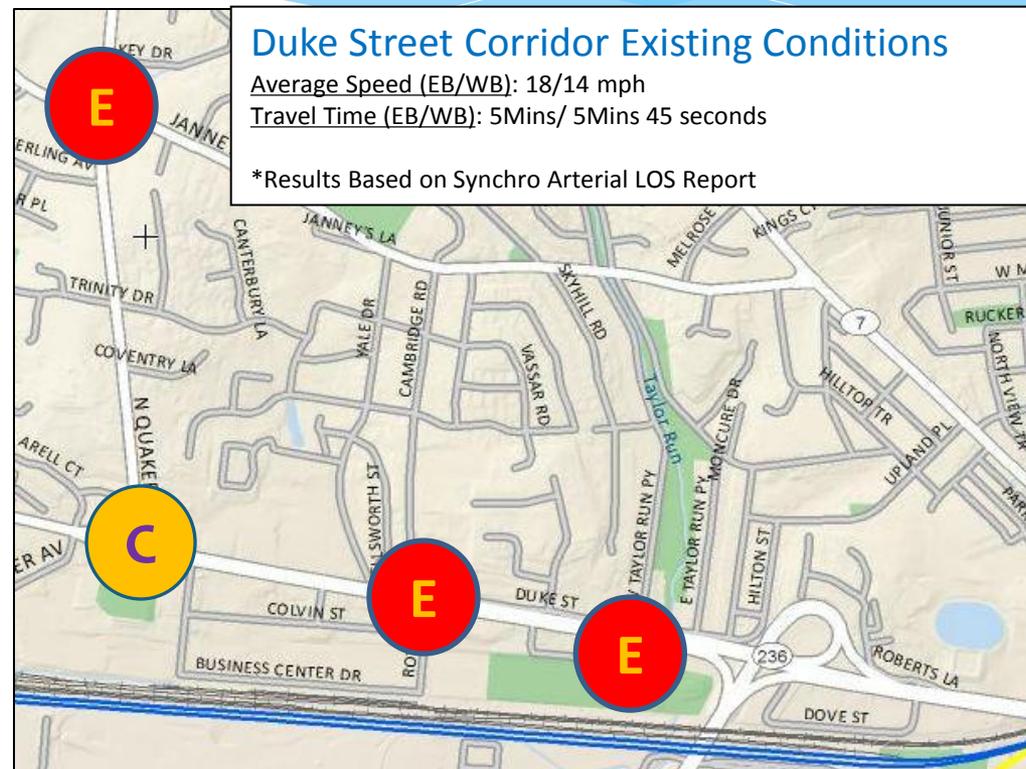


1. Review project progress to date
2. Share information from studies and solicit comments
  - Understand pros and cons
3. Outline next steps

# City Transportation Study (May 2015)



- Data included:
  - Traffic volumes
  - Existing intersection analysis
  - Accident data
- **Major Findings:**
  - Duke Street oversaturated
  - Regional traffic impacts



# Most Promising Scenarios Explored



- Lengthen green time from West Taylor Run onto Duke Street
- **Restrict access to Telegraph Road from West Taylor Run**
- **Restrict traffic from entering neighborhood**
- Convert West Taylor Run to One-Way
- Provide two lane access from EB Duke onto Telegraph Road
- **Left turn signal EB Duke at WB ramp**

# 1. Restrict access to Telegraph Rd

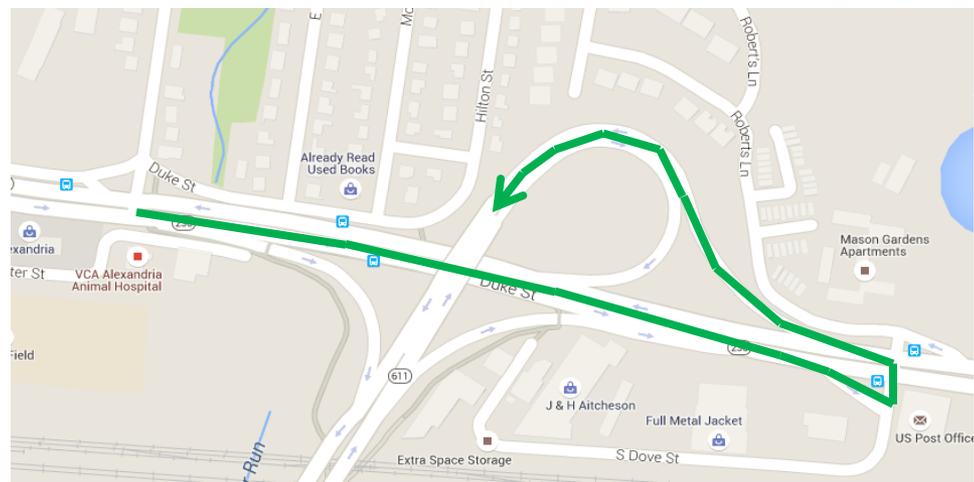


## Pros:

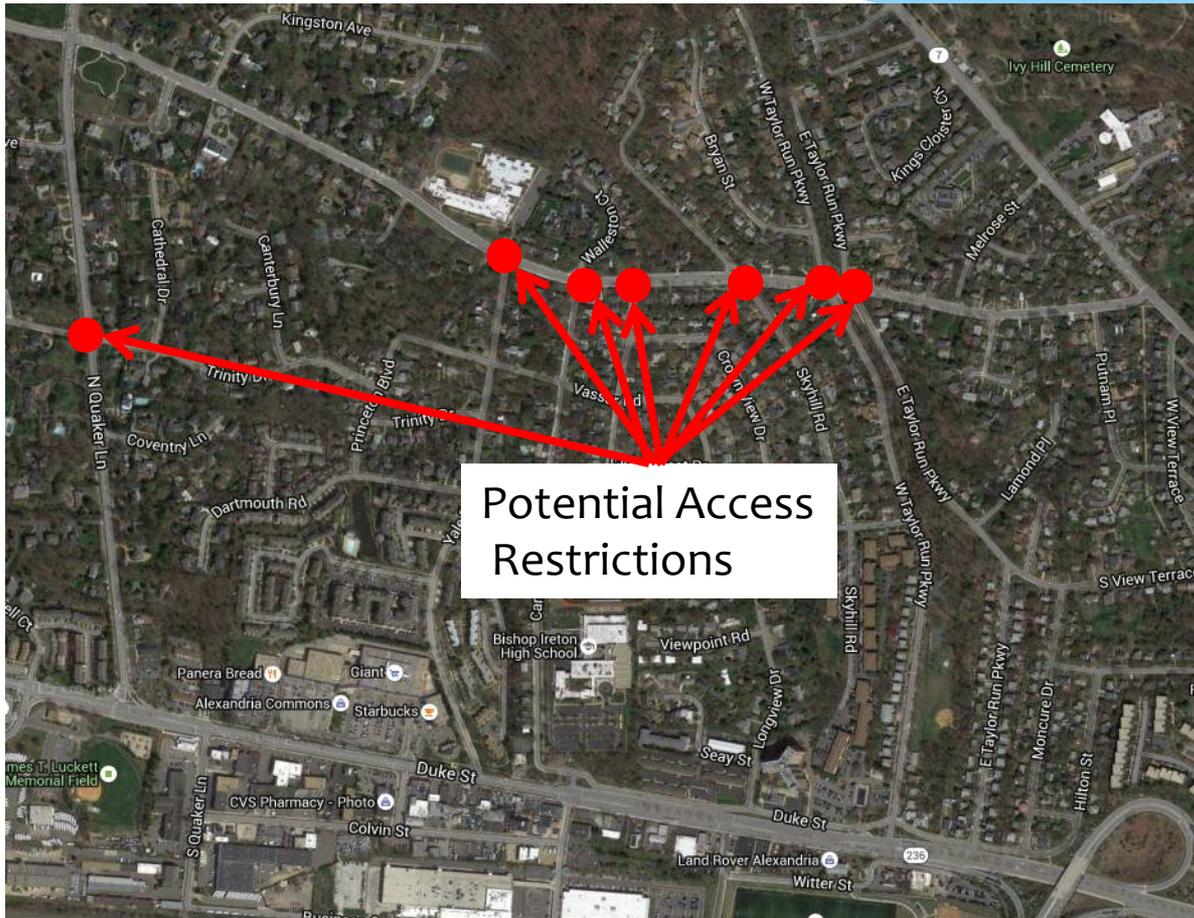
- Increases capacity of Duke Street
- Provides relief at West Taylor Run

## Cons:

- Traffic must be redirected to ramp using other routes, primarily Quaker & Dove
- Increase in capacity partially offset because more traffic must use Duke St
- Should be coordinated w/access management



## 2. Restrict traffic from entering neighborhood



### Pros:

- Should be coordinated with #1
- Will provide some intersection relief

### Cons:

- Restricts access to neighborhood
- Diverts traffic to other roads
- Difficult to enforce with traffic apps



# 3. New left-turn signal at Telegraph ramp

## Pros:

- Provide second access to Telegraph
- Relieve congestion on EB Duke
- Opportunity for pedestrian improvements

## Cons:

- Long-term solution
- Requires further study

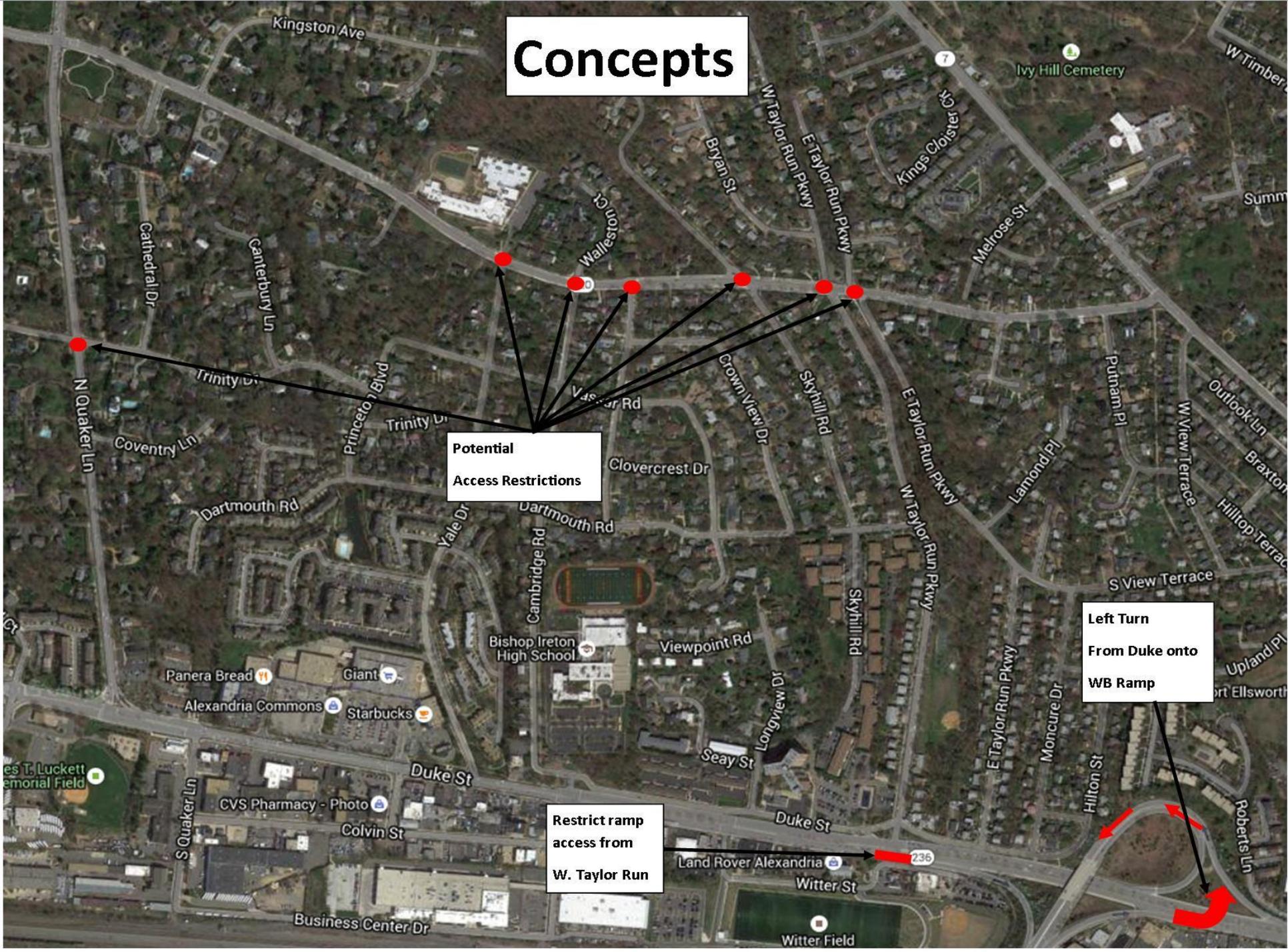


# Concepts for Further Discussion



1. Restrict access to Telegraph Road from West Taylor Run
2. Restrict traffic from entering neighborhood
3. New left-turn signal at Telegraph ramp

# Concepts



Potential  
Access Restrictions

Restrict ramp  
access from  
W. Taylor Run

Left Turn  
From Duke onto  
WB Ramp

# Next Steps



1. Compile input from this meeting, share with community
2. Schedule follow up meeting to review input and proposals (if any)
3. Community provide comment
4. Schedule required regulatory review (if needed)
5. Implement



# Thank you!

**Bob Garbacz**

Division Chief, Traffic Engineering  
Dept. of Transportation & Environmental Services

703.746.4143

[bob.garbacz@alexandriava.gov](mailto:bob.garbacz@alexandriava.gov)

Project Information:

[www.alexandriava.gov/tes](http://www.alexandriava.gov/tes)