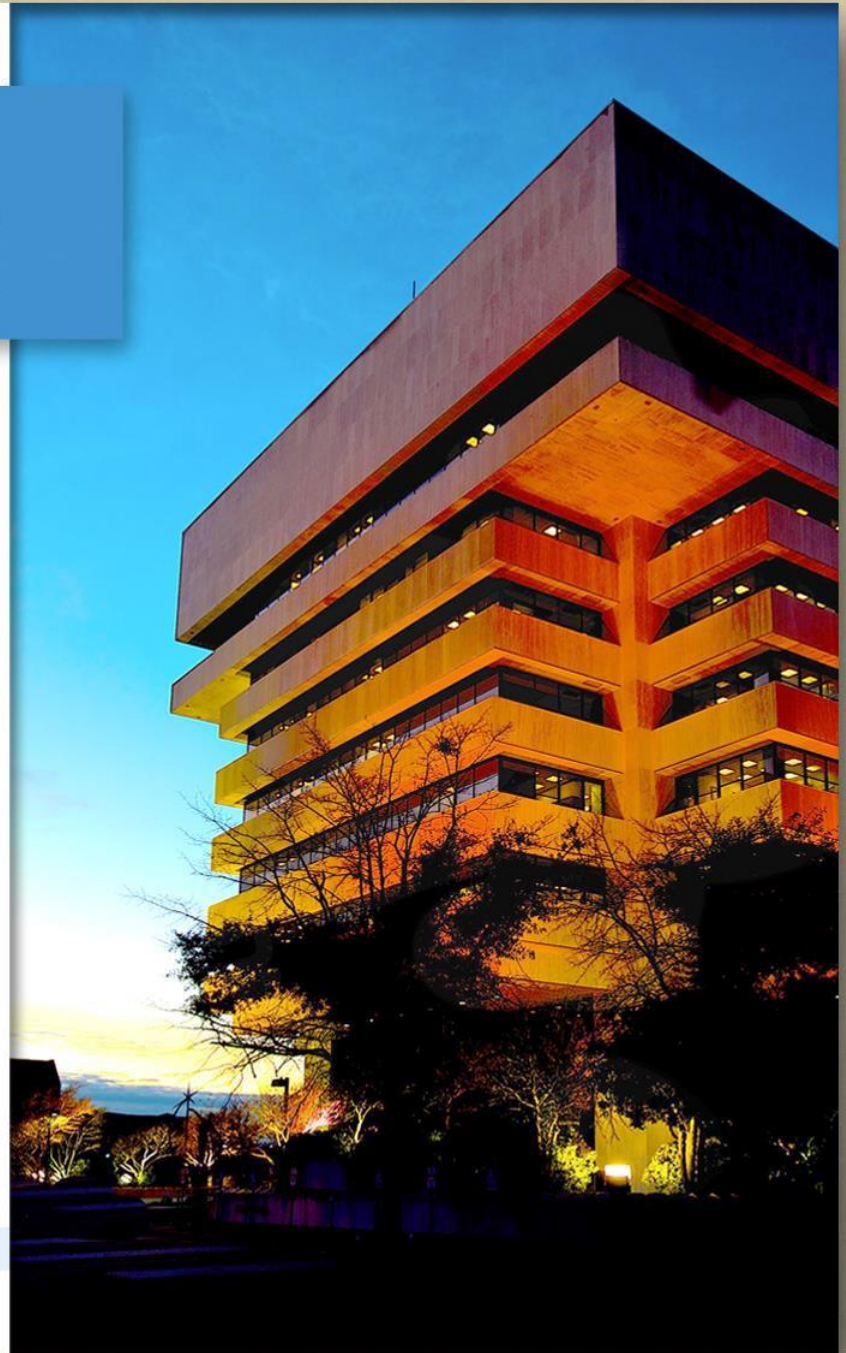


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Shell Road & Greenbrier Avenue Proposed Safety Alternatives

**Hampton City Council
October 23, 2024**



Concerns & Issues

Neighborhood Issues raised:

- Speeding
- Accidents
- Thru truck traffic
- Pedestrian safety
- Community connectivity

Related Factors:

- Driving behavior
- Increased traffic volume due to Pine Avenue closure
- Nearby construction



Safety Alternatives

- Traffic enforcement
- Traffic signage
- Rumble strips
- Traffic circle
- Traffic signals
- Crosswalks / Asphalt Art
- Close a portion of Shell Road and Greenbriar Avenue



Traffic Solutions Implemented

- Four way stop signs at Greenbriar and Shell Road
- Three way stop signs at Pennsylvania and Shell Road
- Three way stop signs at Courtland and Shell Road
- No Through Truck signage installed
- \$200 Additional Fine signage posted for speeding
- Traffic message board awareness
- Hampton Police Department traffic enforcement

Enforcement Data

- Enforcement data - September 2024
 - 0 Vehicle Crashes
 - 184 Summons
 - 60+ Officer Hours
 - 1 Arrest
 - 4 Advisements of Law



Traffic Signage (Shell & Greenbriar)



Traffic Signage (Greenbriar & Shell)

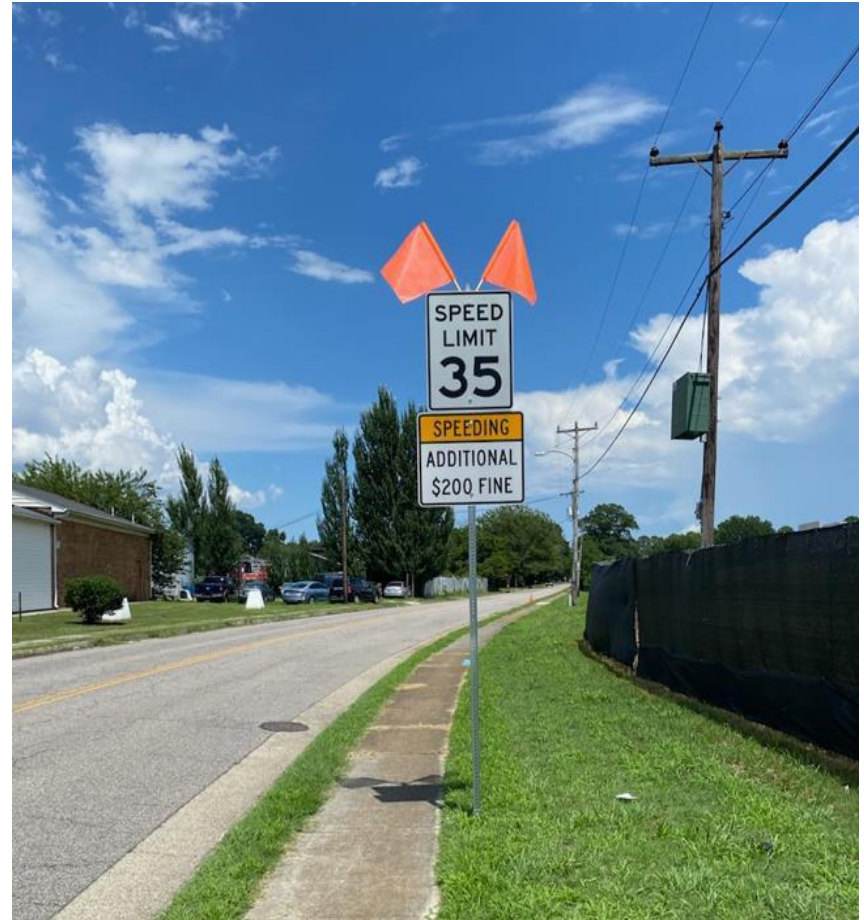


Shell Road Traffic Adjustments

“Greenbriar, Pennsylvania, Courtland”



New Traffic Pattern Awareness



Through Trucks Prohibited Signage



Potential Traffic Solutions

- Rumble strips
 - Traffic circle
 - Traffic signals
 - Temporary roadway closure
 - Permanent roadway closure
 - Photo enforcement (stop sign enforcement)
- “Hampton may explore additional legislation in 2025”



Rumble Strips



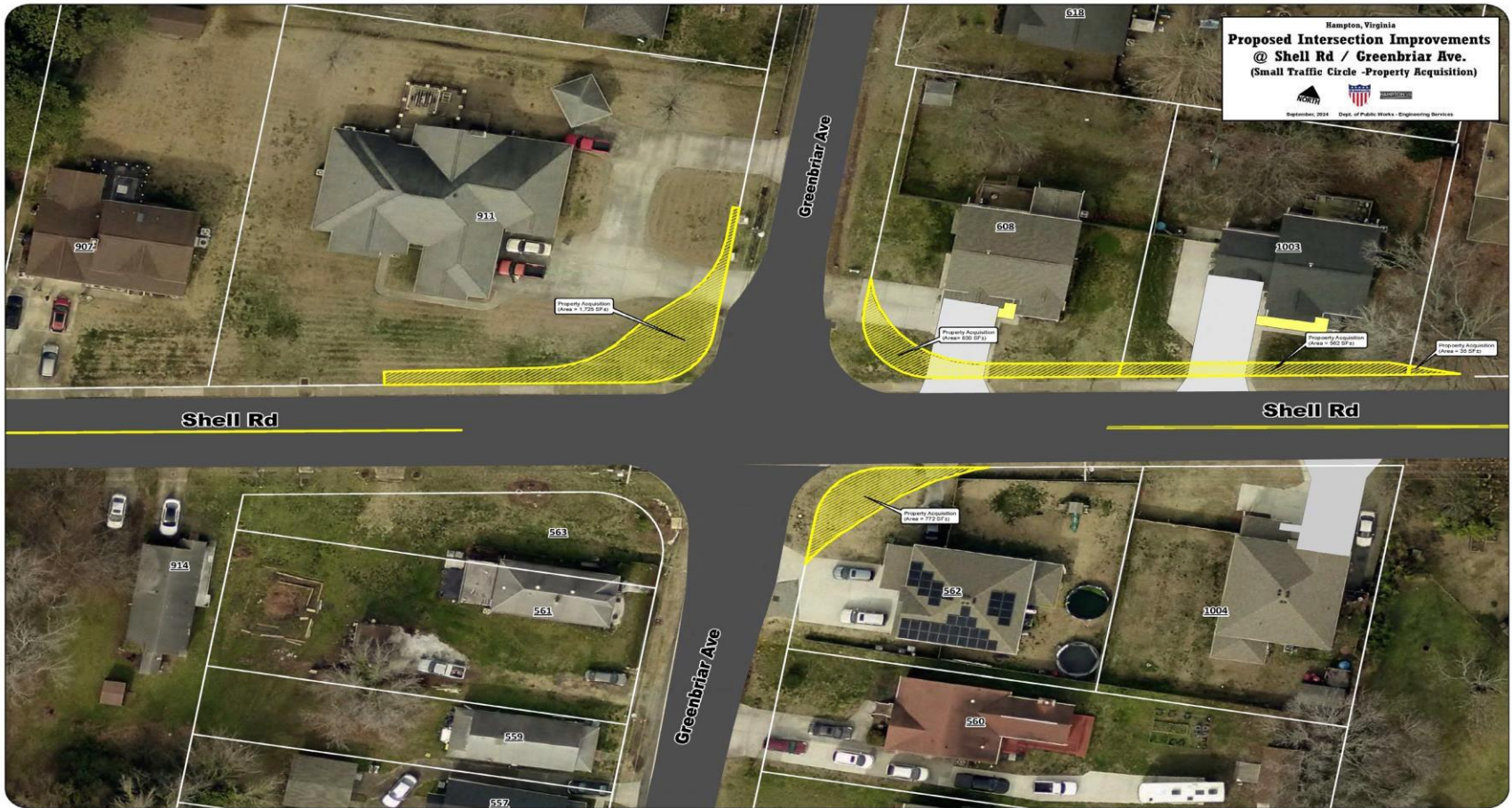
Rumble Strips

- Pros
 - Increases driver awareness of roadway conditions
 - Small reduction in overall speeds
- Cons
 - Increases noise levels
 - Potential for distracted drivers to lose control
 - Customer support needed “75% of neighborhood”
- Cost
 - Cost of rumble strips is approximately \$10,000
- Timeline
 - Rumble strip installation is 3 months

Traffic Circle



Traffic Circle Right of Way Needed



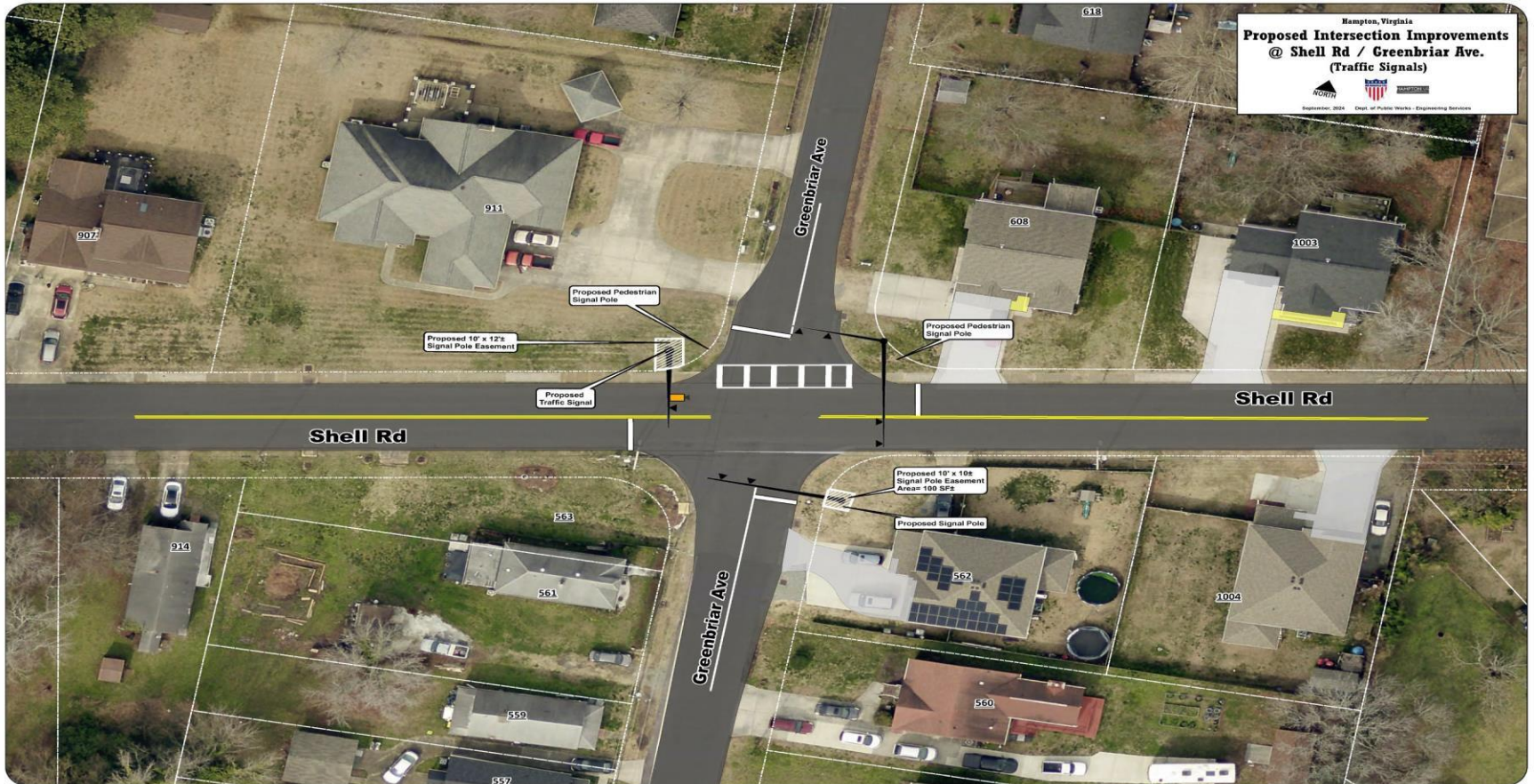
Traffic Circle

- Pros
 - Traffic circle could reduce vehicle speeds and crashes
 - Enhance streetscape of intersection
- Cons
 - Traffic circle requires right-of-way from five properties
 - Traffic circle is not common for local drivers
- Cost
 - The cost of the traffic circle is estimated at \$350,000
- Timeline
 - Traffic circle design and construction is one year

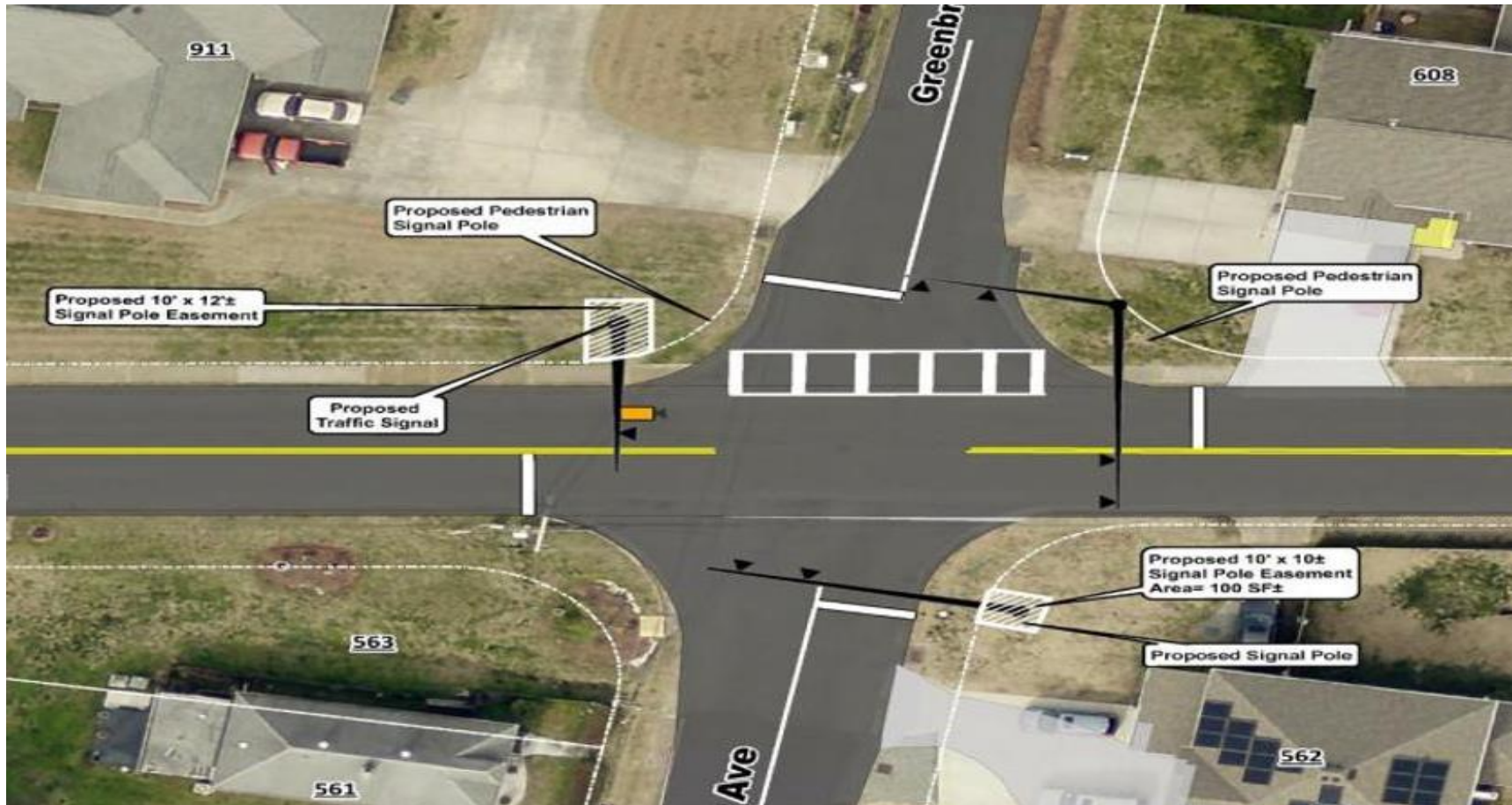
Traffic Signal




Traffic Signal



Traffic Signal Right of Way Needed




Traffic Signal Pros and Cons

- Pros
 - Traffic signals assign the right-of-way for vehicles approaching the intersection
 - Cons
 - Traffic signal equipment will need to be in the public right-of-way as property acquisition would be required
 - Cost
 - Traffic signals will cost between \$250,000 to \$500,000
 - Timeline
 - Traffic signal installation is estimated at 18 to 24 months
- 

CROSSWALKS & ASPHALT ART



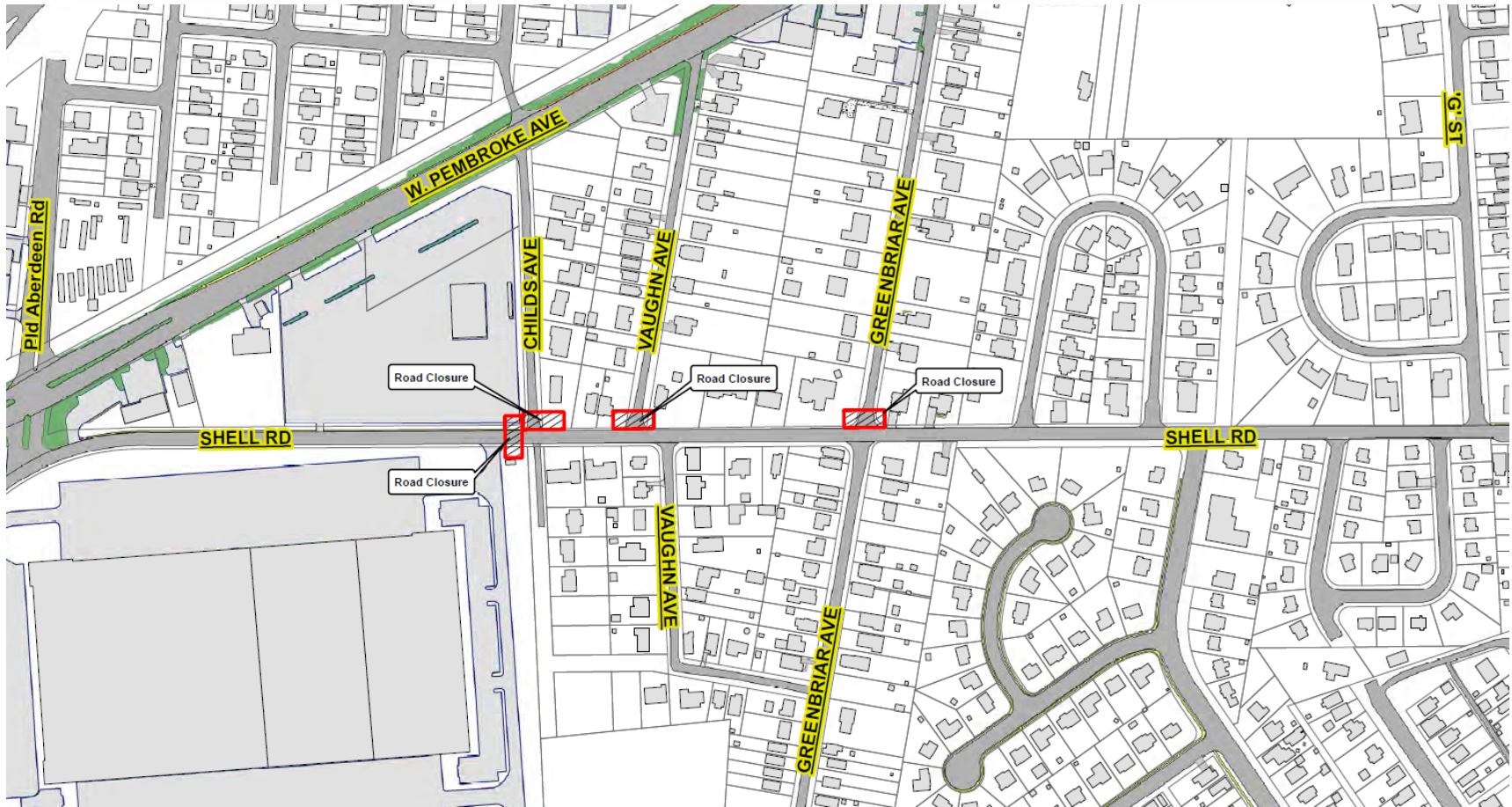
CROSSWALKS & ASPHALT ART

- Pros
 - Increases driver awareness of roadway conditions
 - Improve appearance of the community
 - Cons
 - Maintenance of the roadway project
 - Cost
 - Estimated at \$25,000
 - Timeline
 - Installation is 6 months
- 

Temporary Roadway Closure



Temporary Roadway Closure



Temporary Roadway Closure

- Pros
 - Road closure will decrease intersection collisions
 - Traffic volumes and speeds would decrease as traffic will use an alternate route
- Cons
 - Temporary road closure would impact solid waste collections and other large commercial vehicles
 - Increase travel time for residents on Shell Road
- Cost
 - The estimated cost is \$10,000 for temporary road closure
- Timeline
 - Temporary road closure timeline is 30 days

Permanent Roadway Closure



Permanent Roadway Closure

- Pros
 - Road closure may improve traffic and pedestrian safety
 - Traffic volumes and speeds will decrease
- Cons
 - Permanent road closure would impact solid waste collections and other large commercial vehicles
- Cost
 - The estimated cost of permanent road closures is \$50,000
- Timeline
 - Permanent road closure completion is 3 months

Community Meeting Results

- Proposed safety alternatives presented to West Shell Road Community on October 16, 2024
 - Approximately 25 members of the community attended
- No clear consensus emerged for implementing any of the proposed alternatives
- Chief Wideman committed to enhanced enforcement of traffic violations in the area, including commercial vehicles, speeding and failing to stop at the stop sign

Recommendations

- Hampton Police Department continue traffic enforcement
- Temporarily close Shell Road at Childs Avenue and adjoining streets as these adjustments will reduce traffic and improve safety – 90 day period
- Evaluate our modifications before implementing a permanent solution to close Shell Road at Childs Avenue and adjoining streets
- Pursue additional funding to expand Safe Streets for All program

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Questions ??

