

# I-95/Temple Avenue Improvements Project Colonial Heights, VA

## *Pardon Our Dust Informational Meeting*

*February 3, 2016*

**Harold Dyson, P.E.**

Construction Manager, Richmond District

**Tom Heil, P.E.**

Allan Myers

**Darell Fischer, P.E., DBIA**

Rinker Design Associates



# Meeting agenda

- **Welcome!**
- **Questions & answers provided throughout meeting by team members at individual stations**
- **General information presentations at 5:30 p.m. & 6:30 p.m.**
- **Sign up to receive regular email updates throughout construction**

# Stations with project team members

- **Station 1 – Plans & Design**
- **Station 2 – Traffic Engineering**
- **Station 3 – City of Colonial Heights**
- **Station 4 – Kroger Development**
- **Station 5 – Civil Rights**

# Project background & milestones

- **2009-2011 – Project partners studied nine potential interchange improvement options, which focused on how each best solved existing issues of high crash rates and congestion.**
- **2011 – Worked with City of Colonial Heights to identify best solution. Colonial Heights City Council voted to move forward with a roundabout configuration in Dec. 2011**
- **2011-2013 – Public involvement period; 2 hearings held**
- **2014 – Prepared project for advertisement**
- **Feb. 2015 – Signed on design-build team to design and construct new configuration**
- **January-spring 2016 – Utility relocations**
- **Spring 2016 – Construction begins**
- **November 2017 – Construction complete**

# Purpose of project

- **Improve safety at the intersection and along the I-95 corridor**
- **Reduce congestion at the intersection and along I-95 in area**
- **Improve traffic flow on the ramps approaching the intersection**
- **Growing traffic volumes has potential to exacerbate existing issues**

# Construction improvements

- **Realigns the entrance and exit ramps at the I-95 interchange at Temple Avenue and replaces the existing signalized intersection with a roundabout**
- **Roundabout will be relocated west of the current intersection; includes two lanes for traffic and a continuous bypass lane on the westbound approach**
- **Requires removing the Temple Avenue bridges over the railroad to construct the roundabout**
- **I-95 ramps will be extended and improved to provide better sight distance, vehicle capacity and transition from interstate speeds to the roundabout**
- **Removal of yield condition at the merge of the I-95 off ramps**
- **\$13.4 million design-build project to be completed by November 2017**
  - **Total cost is approximately \$20 million**

# Why a roundabout?

## Enhanced Safety

- 35% Reduction in Crashes
- 76% Reduction in Injuries
- Reduction in severity of crashes
- Roundabouts facilitate slower speeds, increasing safety

## Intersection Efficiency

- Increased traffic capacity with the elimination of left turns
- Reduced delay with no stopping at a traffic signal

## Environmental

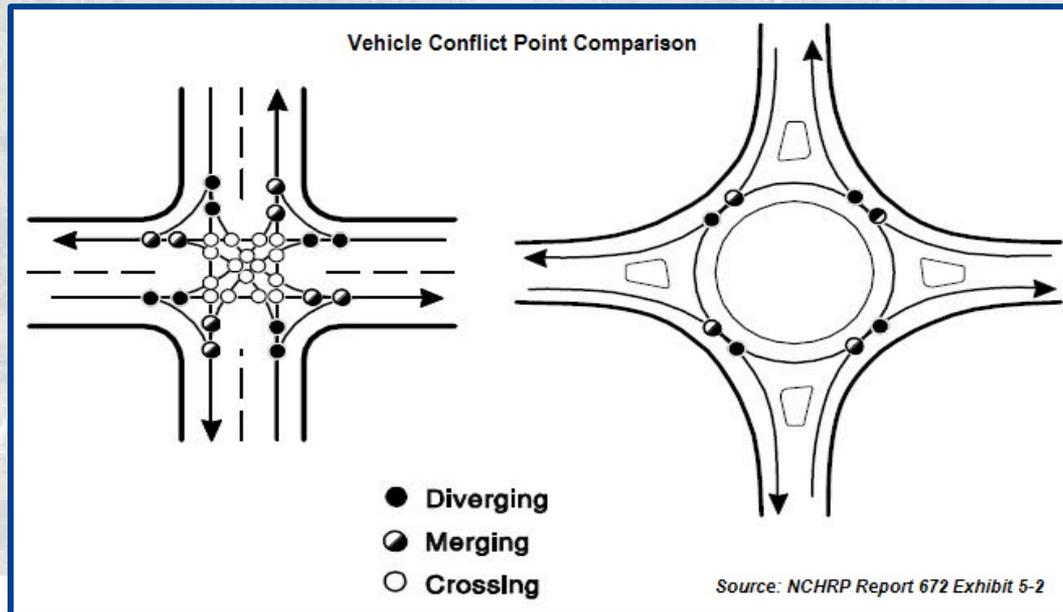
- Reduction of air pollution
- Decrease in fuel consumption
- Low Construction and Maintenance Costs

## Other

- Improved aesthetics; possible gateway options

# Roundabout: focus on safety

- The roundabout design was chosen as the most efficient design for this congested intersection to provide improved safety and traffic flow.
  - 30,000 vehicles/day at the Temple/I-95 intersection
  - High crash rate at this interchange – more than half are angle crashes which increase risk of injuries and major damage



Project Location



North Arrow & Scale



Legend

- Proposed Road
- Proposed Sidewalk  
 Proposed Median  
 Proposed Truck Apron
- Signal
- Proposed Limits of Construction - Cut
- Proposed Limits of Construction - Fill
- Existing Right of Way
- Proposed Right of Way Line
- Proposed Permanent Easement
- Proposed Temp. Construction Easement
- Existing Property Line
- Existing Easement

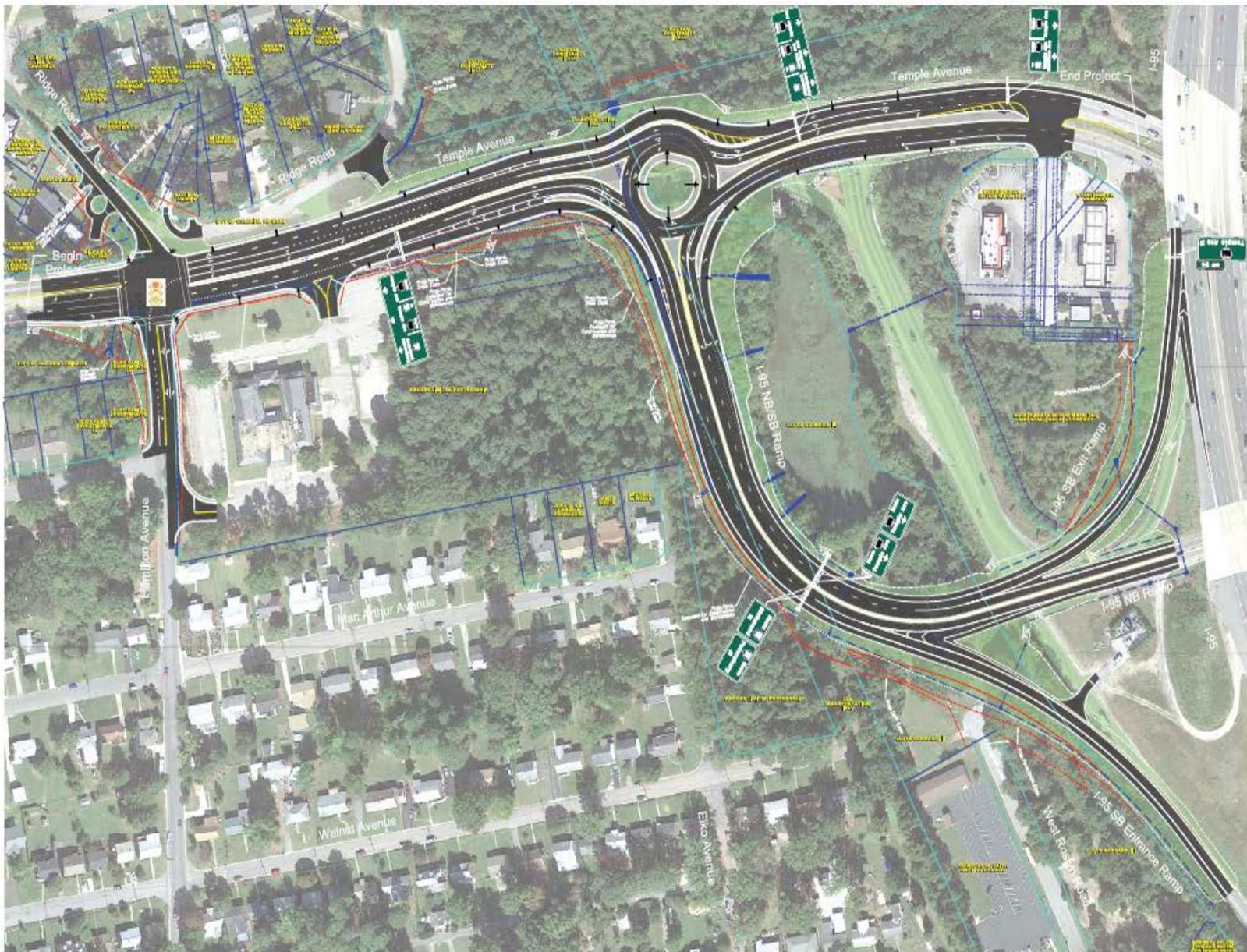
Contact Information

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Comments may also be sent to:  
Herald.Dixon@VDOT.Virginia.gov

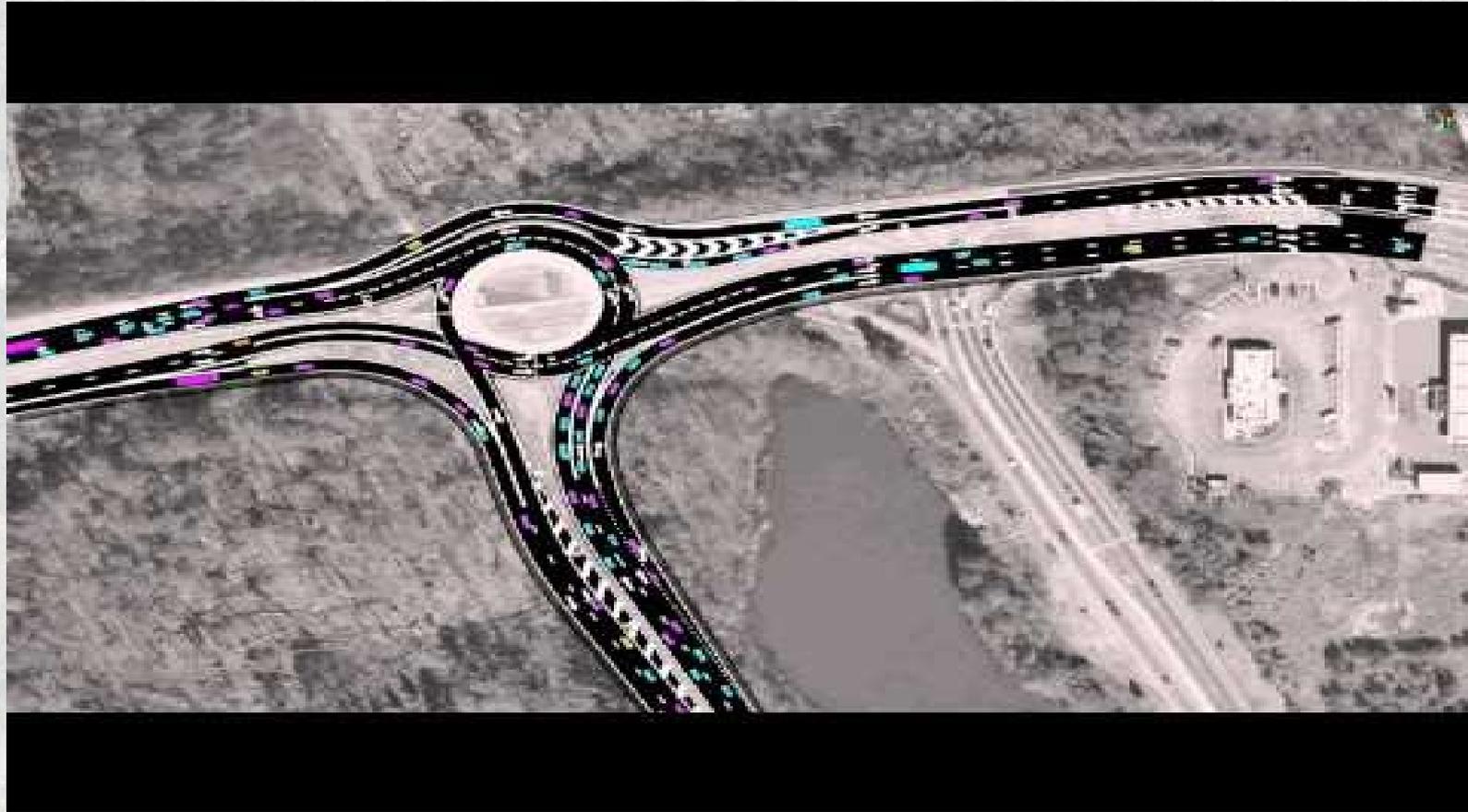
I-95 at Temple Avenue Interchange Improvements  
Colonial Heights, Virginia

(FO) 0095-104-122  
UPIC 260223  
FH-095-1(1228)



These plans are unperfected and unapproved and are not to be used for any type of construction or the acquisition of right of way. Additional assessments for utility relocations may be required beyond the proposed right of way shown on these plans.

# Moving through the roundabout



<https://www.youtube.com/watch?v=62JoRJZCHj8>

# Upcoming traffic impacts

- **Spring 2016**
  - **Minimal traffic impacts for construction; most work taking place out of travel lanes**
- **Summer 2016**
  - **Potential lane closures on Temple Avenue; watch for updates**

**Note: No traffic impacts to Interstate 95 are expected**

# Public impacts

- **Coordination with City of Colonial Heights and Kroger during construction**
- **Robust communication plans for community**
  - **Roundabout navigation education**
  - **Presentations to stakeholder groups**

# Public outreach

## *Formal meetings:*

- **Public hearings – June 2011 & September 2013**
- **City staff briefing – October 20, 2015**
- **City Council briefing – December 8, 2015**
- **Pardon Our Dust – February 3, 2016**

## *Tools:*

- **City Focus newsletters**
- **Project website**
- **VDOT social media channels**
- **Educational brochure**

## *Presentations to community groups*

*Roundabout clinics – 2017*

# Contact information/team members

[www.95templeimprovements.org](http://www.95templeimprovements.org)

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