Route 15
Stakeholders Committee Meeting #3
(November 16, 2017)
Congestion Report Supplemental Analysis

- Traffic volumes and analysis assumptions same as Congestion Report
- 2020 and 2040 traffic volumes
- Weekday AM and PM peak hours
- Alternative 4 - King Street Flyover and Two-Lane Roundabout at Whites Ferry Road
- Alternative 5 - King Street Flyover and Bowtie Roundabouts at Whites Ferry Road
Route 15 Widening Limits

- Alternatives 4A and 5A – limited widening to Montresor Road
- Alternatives 4B and 5B – widening beyond Montresor Road (remove transition from 4 to 2 lanes)
Route 15 Widening Limits

Village of Lucketts

Montresor Road

Raspberry Drive

Whites Ferry Road

Route 15

Route 15 Widening Limits

Additional Widening Length to be Determined by Safety and Operations Study

Four Lane Widening

Existing Four Lane Section

Battlefield Parkway

North King Street
Alternative 4A/4B
Alternative 5A/5B
## Results

### Table 1: Supplemental Analysis Results

<table>
<thead>
<tr>
<th>ALT #</th>
<th>Description</th>
<th>Works In 2020?</th>
<th>Works In 2040?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4A</td>
<td>King Street Flyover and Two-Lane Roundabout at Whites Ferry Road with Route 15 widening from Battlefield Parkway to Montresor Road</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>4B</td>
<td>King Street Flyover and Two-Lane Roundabout at Whites Ferry Road with Route 15 widening from Battlefield Parkway to an undefined location north of the study area</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>5A</td>
<td>King Street Flyover and Bowtie Roundabouts at Whites Ferry Road with Route 15 widening from Battlefield Parkway to Montresor Road</td>
<td>Yes</td>
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</tr>
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</tr>
</tbody>
</table>
Supplemental Analysis Conclusions

• King Street flyover, Whites Ferry Road bowtie roundabouts, and Whites Ferry Road two-lane roundabout are viable intersection options

• These options are in addition to the King Street traffic signal and Whites Ferry Road traffic signal options
Congestion Report Process Moving Forward

• VDOT to implement Phase 1 (Spring 2018)
• Staff recommendations to Board (2018)
• VDOT design and design public hearing (2018/2019)
• Identify project funding
Supplemental Analysis

Discussion
Safety and Operations Study – Existing Conditions

Study Area
Safety and Operations Study – Existing Conditions

Data collection map
Safety and Operations Study – Existing Conditions

Daily traffic volumes
Maximum Queues: US Route 15 Corridor Existing Conditions

Legend
- AM Existing Queues

AM Peak Hour
Maximum Queues: US Route 15 Corridor Existing Conditions

Legend
- PM Existing Queues

PM Peak Hour
Travel Times

AM

NB: 13.7 - 17.1 min
SB: 18.6 - 38.1 min

PM

NB: 18.9 - 28.4 min
SB: 13.8 - 19.6 min
Safety and Operations Study – Existing Conditions

Questions?