Level of Service

Density - vehicles per hour per lane

PRINCE WILLIAM PKWY TO DALE BLVD

2018 BUILD PM LEVEL OF SERVICE
INTERCHANGE JUSTIFICATION REPORT

Date: November 21, 2011

Figure: 9-12 F
Scale: 1" = 500'

VDOT Virginia Department of Transportation
MEGAPROJECTS
Level of Service

Density - vehicles per hour per lane

<table>
<thead>
<tr>
<th>Level of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>A - C</td>
</tr>
<tr>
<td>D</td>
</tr>
<tr>
<td>E</td>
</tr>
<tr>
<td>F</td>
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</table>

2018 BUILD PM LEVEL OF SERVICE
DUMFRIES RD INTERCHANGE

Figure: 9-12 H
Scale: 1" = 500'
I-95 HOT/HOV LANES
INTERCHANGE JUSTIFICATION REPORT

2035 NO BUILD AM - AVERAGE SPEED
I-95/I-395/I-495 INTERCHANGE

Date: November 21, 2011

Figure: 9-13 B  Scale: 1" = 500'

Average Speed - miles per hour (MPH)

- 10 - 20 MPH
- 20 - 30 MPH
- 30 - 40 MPH
- 40 - 50 MPH
- > 50 MPH

COMMERCIAL ST
FRANCONIA RD
FRANCONIA-Springfield PKWY

0 250 500 1,000 Feet
I-95 HOT/HOV LANES
INTERCHANGE JUSTIFICATION REPORT

Date: November 21, 2011

Figure: 9-13 D
Scale: 1" = 500'

0 250 500 Feet

10 - 20 MPH
20 - 30 MPH
30 - 40 MPH
40 - 50 MPH
> 50 MPH

Average Speed - miles per hour (MPH)
I-95 HOT/HOV LANES
INTERCHANGE JUSTIFICATION REPORT
2035 NO BUILD AM - AVERAGE SPEED
DALE BLVD INTERCHANGE

Date: November 21, 2011

Average Speed - miles per hour (MPH)

0 - 20 MPH 10 - 20 MPH 20 - 30 MPH 30 - 40 MPH 40 - 50 MPH > 50 MPH

0 250 500 1,000 Feet

Figure: 9-13 G  Scale: 1" = 500'

FINAL
I-95 HOT/HOV LANES
INTERCHANGE JUSTIFICATION REPORT

Date: November 21, 2011

Figure: 9-13 I
Scale: 1" = 500'

Average Speed - miles per hour (MPH)

0 - 10 MPH
10 - 20 MPH
20 - 30 MPH
30 - 40 MPH
40 - 50 MPH
> 50 MPH

I-95

JOPLIN RD

RUSSELL RD

0 250 500 1,000 Feet

Final

2035 NO BUILD AM - AVERAGE SPEED
JOPLIN RD TO RUSSELL RD
I-95 HOT/HOV LANES
INTERCHANGE JUSTIFICATION REPORT
2035 BUILD AM - AVERAGE SPEED
DUKE ST TO EDSALL RD

Figure: 9-17 A  Scale: 1" = 500'  Date: November 21, 2011  FINAL

Average Speed - miles per hour (MPH)

<table>
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<th>Speed Range</th>
<th>Symbol</th>
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<tr>
<td>10 - 20 MPH</td>
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<tr>
<td>20 - 30 MPH</td>
<td>Orange</td>
</tr>
<tr>
<td>30 - 40 MPH</td>
<td>Yellow</td>
</tr>
<tr>
<td>40 - 50 MPH</td>
<td>Green</td>
</tr>
<tr>
<td>&gt; 50 MPH</td>
<td>Green</td>
</tr>
</tbody>
</table>

I-395

EDSALL RD

DUKE ST

I-95

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Virginia Department of Transportation
Virginia MEGA Projects

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INTERCHANGE JUSTIFICATION REPORT

Date: November 21, 2011

Density - vehicles per hour per lane

<table>
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I-95 HOT/HOV LANES
PRINCE WILLIAM PKWY TO DALE BLVD

2035 BUILD AM - LEVEL OF SERVICE
PRINCE WILLIAM PKWY TO DALE BLVD
Level of Service

Density - vehicles per hour per lane

Level of Service

Figure: 9-18 G  Scale: 1" = 500'  Date: November 21, 2011  FINAL
Figure: 9-18 H  
Scale: 1" = 500'  
Date: November 21, 2011  

DUMFRIES RD  

I-95  

Density - vehicles per hour per lane  
Level of Service  

<table>
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VDOT Virginia Department of Transportation  

INTERCHANGE JUSTIFICATION REPORT  

2035 BUILD AM - LEVEL OF SERVICE  
DUMFRIES RD INTERCHANGE  

FINAL
2035 BUILD PM - AVERAGE SPEED
I-95/I-395/I-495 INTERCHANGE

Date: November 21, 2011

Average Speed - miles per hour (MPH)

- 10 - 20 MPH
- 20 - 30 MPH
- 30 - 40 MPH
- 40 - 50 MPH
- > 50 MPH

Figure: 9-19 B
Scale: 1" = 500'

Virginia Department of Transportation
MEGAprojects
2011

I-95 HOT/HOV LANES
INTERCHANGE JUSTIFICATION REPORT

FRANCONIA-SPRINGFIELD PKWY

COMMERCE ST