Rt. 29 Solutions Project Delivery Advisory Panel

March 3, 2016
Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team
Agenda item 2: Interaction and Feedback

Live Streaming

<table>
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<tr>
<th></th>
<th>Feb 18, 2016</th>
<th>Feb 4, 2016</th>
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<tbody>
<tr>
<td>• Unique Viewers:</td>
<td>23</td>
<td>21</td>
</tr>
<tr>
<td>• Streams:</td>
<td>35</td>
<td>38</td>
</tr>
<tr>
<td>• Average Minutes per stream:</td>
<td>18</td>
<td>23</td>
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</tbody>
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Agenda item 2: Interaction and Feedback (continued)

For the period Feb 16, 2016 - Mar 1, 2016

Inbox: 5 (4 email and phone; 1 to Philip)
• 1 regarding windshield damage from gravel on Rt. 29
• 1 asking for assistance regarding sale of property acquired for bypass
• 1 regarding illegal left turns on red from Rt. 29 SB to Rio Road East
• 1 regarding signal timing at Rt. 29 and Rio
• 1 regarding signing for Charlottesville on Rt. 29 SB overhead sign

Web Provide Input: No new postings

Project Hotline 844-220-5540: 2 calls
• 1 requested repairs to damaged property entrance
• 1 requested information regarding clearing and restoration for the stormwater pond at Ashwood
Agenda item 3: Report on Panel Feedback

Construction allocations compared to contract values
  • Agenda item 7

Pedestrian accommodation and detour
  • Agenda item 8

Nighttime signal phasing before and after May 23, 2016
  • Agenda item 9
Agenda item 4: Panel Feedback and Suggestions for Future Agenda Items

Open Discussion
## Agenda item 5: Construction Milestones

<table>
<thead>
<tr>
<th>Status as of Feb 29, 2016</th>
<th>2015</th>
<th>2016</th>
<th>2016</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>December</td>
<td>January</td>
<td>February</td>
</tr>
<tr>
<td>Rio Road GSI Sep 2, 2016 Dec 2, 2016</td>
<td></td>
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<tr>
<td>Utility Relocation</td>
<td>(95%) 100%</td>
<td></td>
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<tr>
<td>Drive Abutment Piles - 100%</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Set retaining wall piles and widen roadway - (50%) 60%</td>
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<tr>
<td>May 23 start - Rio Restricted Period - Sep 2 intersection open</td>
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<tr>
<td>Final Pavement and Markings</td>
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<tr>
<td>Landscape, Hardscape, Staining</td>
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<tr>
<td>Temp. Signals</td>
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<tr>
<td>Gas line relocation - (0%) 10%</td>
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<tr>
<td>ROW Acquisition - (80%) 100%</td>
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<tr>
<td>Phase 1 Grading, Drainage and Paving - (35%) 40%</td>
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<tr>
<td>Phase 2 Grading, Drainage and Paving</td>
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<tr>
<td>Phase 3 Drainage and Paving</td>
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<tr>
<td>Phase 4 Grading, Drainage and Paving</td>
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<tr>
<td>Berkmar Oct 31, 2017</td>
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<tr>
<td>ROW Acquisition - (70%) 80%</td>
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<tr>
<td>Clearing North of River</td>
<td></td>
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<tr>
<td>S. Abutment Excavation, Pile Driving - (95%) 100%</td>
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<tr>
<td>Roadway Construction North of River</td>
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<tr>
<td>Rough Grading South of River - (50%) 60%</td>
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<tr>
<td>North Abutment 15%</td>
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<td>Roadway Construction South of River</td>
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<tr>
<td>Utility Relocation - (40%) 40%</td>
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<td>Pier Construction 0%</td>
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<tr>
<td>Steel Girder Erection</td>
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<tr>
<td>Roadway Construction South of River</td>
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<td>Adv for Bids</td>
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<tr>
<td>Utility Relocation</td>
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<tr>
<td>Final Design (10%) 75%</td>
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<td>90% Plans - (90%) 100%</td>
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<tr>
<td>Final Design (10%) 75%</td>
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<td>Final Design (10%) 75%</td>
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<tr>
<td>Hillsdale Oct 31, 2017</td>
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<tr>
<td>ROW Acquisition - (50%) 80%</td>
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<tr>
<td>Final Design (10%) 75%</td>
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<tr>
<td>90% Plans - (90%) 100%</td>
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<tr>
<td>Final Design (10%) 75%</td>
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<tr>
<td>MSE Wall - 100%</td>
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<tr>
<td>Pavement Widening - (60%) 80%</td>
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<tr>
<td>Final Paving - (0%) 0%</td>
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<tr>
<td>Sound Barrier - (30%) 45%</td>
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<td>Rt. 29/250 May 21, 2016</td>
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<tr>
<td>MSE Wall - 100%</td>
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<tr>
<td>Pavement Widening - (60%) 80%</td>
<td></td>
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<tr>
<td>Final Paving - (0%) 0%</td>
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</table>

**Under way**
**Complete**
**Late**

( % ) %complete prior reporting period
Agenda item 6: Rt. 29 Solutions Project Updates

Rt. 250 / 29 Interchange

Work this week
• Continue grading for barrier wall along Route 250 WB
• Continue sound barrier post installation along Route 250 WB
• Continue installation of MSE wall coping
• Complete installation of median strip along Route 29
• Resume curb installation in various locations
• Begin installation of overhead sign foundations on Route 29
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rt. 250 / 29 Interchange (continued)

Significant lane closures this week

- Route 250 inside lane closures for median curb work
- Route 29 nighttime inside lane closures for median work
- Route 29 left turn lane closures for concrete pours and foundation installations in median
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rt. 250 / 29 Interchange (continued)

Work next two weeks

• Continue sound barrier post installation along Route 250 WB
• Complete grading for barrier wall along Route 250 WB
• Complete installation of overhead sign structure foundations on Route 29
• Begin installation of barrier along Route 250 WB
• Complete installation of curb on Route 250 median
Anticipated significant upcoming lane closures

- Route 250 inside lane closures for median curb work
- Route 29 nighttime inside lane closures for median work
- Route 29 left turn lane closures for concrete pours and foundation installations in median
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection
Work this week
• Roadway widening in all quadrants of intersection
• Continue Fashion Square retaining wall, backfill complete sections
• Abutment B formwork
• Pile installation
• Asphalt paving (widened areas)
• Tie-back installation
• Complete 29th Place directional bores
• Steel plate refresh
• Drill for piles
Rio retaining wall
auguring
Rio GSI Tieback Drilling
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Significant lane closures this week

- Continuing Route 29 SB right turn lane closure during daytime from south of Myers Drive to Rio Road. Business entrances and Rio right turn will remain open. Daytime closure ends March 9.

- Rio crossover closed at nighttime restricting thru movements and left turn movements.

- Rt. 29 triple lane closures northbound and southbound
Agenda item 6: Rt. 29 Solutions Project Updates (continued)
Rio Grade-Separated Intersection (continued)

Work next two weeks

- Roadway widening in all quadrants of intersection
- Continue Fashion Square retaining wall
- Rio signal directional bores
- Abutment B formwork
- Tie-back pile installation
- Asphalt paving (widened areas)
- Tie-back installation
- Drill for piles
- Tentative start for 29th Place permanent signal installation
Anticipated significant upcoming lane closures

• Continuing Route 29 SB right turn lane closure during daytime from south of Myers Drive to Rio Road. Business entrances and Rio right turn will remain open. Daytime closure ends March 9.

• Rio crossover closed at nighttime restricting thru movements and left turn movements.

• Rt. 29 triple lane closures northbound and southbound
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rt. 29 Widening

Work this week

- Complete Ponds 2, 3, and 5 construction entrances
- Install temporary drainage structures
- Pond 5 clearing
- Shoulder clearing
- Pond 2 and 5 erosion control
- Continue median grading
- Utility relocations (Dominion, Lumos, Fiberlight, Charlottesville Gas)
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rt. 29 Widening

Significant lane closures this week (nighttime)

- Route 29 left lane closure NB and SB
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rt. 29 Widening (continued)

Work next two weeks

- Construct access to culvert jack and bore
- Median grading
- Utility relocations (Dominion, Lumos, Charlottesville Gas)
- Pond 5 clearing
- Mobilize jack and bore crew
- Begin culvert jack and bore operations
Route 29 Solutions

Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Rt. 29 Widening (continued)

Anticipated significant upcoming lane closures (nighttime)

• Route 29 left lane closure NB and SB
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Berkmar Extended

Work this week

- Construct leveling pad for MSE wall at abutment A
- Construct crane pads for piers 1 and 2
- MSE formwork
- Complete grading at abutment B
- Mobilize crane and drive piles at abutment B

Significant lane closures this week

- Flagging operation along Rio Mills Road
Berkmar Abutment B Crane Pad
Route 29 Solutions

Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Work next two weeks

• Construct crane pads for piers 1 and 2
• MSE formwork at abutment B
• MSE panels at abutment A
• Finish driving piles at abutment B
• MSE panel installation at abutment B
• Construct access to pier location
• Mobilize and begin construction of pier drilled shafts

Significant upcoming lane closures

• Flagging operation along Rio Mills Road
Route 29 Solutions

Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Signal Updates

Work this week

• Design of signal improvements and contract (task order) development

• Schedule – April 1 through May 1, 2016

Significant lane closures this week

• None

Work next two weeks

• Design of signal improvements and contract (task order) development

Significant upcoming lane closures

• None
Agenda item 6: Rt. 29 Solutions Project Updates (continued)

Hillsdale Extended

Work this week

• Finalize MOU with County for SWM Basin
• Request approval for sole source/proprietary items
• Finalize settlement/closing documents for USPS property
• Continue Final Road & Bridge Plans
• Continue preparation of special provisions
• Final plat submittal to VDOT for review
Hillsdale Extended (continued)

Work next two weeks

- Submit Final Road & Bridge bid package to VDOT for review on Mar 8
- Obtain approval for sole source/proprietary items
- Complete preparation of special provisions
- Review bid package
## Route 29 Solutions

### Agenda item 7: Construction Allocations & Contract Values

<table>
<thead>
<tr>
<th>Construction Contracts</th>
<th>Original Construction Contract Value</th>
<th>Expended (invoiced) as of February 15, 2016</th>
<th>Approved Change Orders</th>
<th>Exposure (Anticipated COs)</th>
<th>Remaining CV</th>
<th>Total Anticipated Construction Expenditures at Completion</th>
<th>Total SYIP Allocations for Construction</th>
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<tr>
<td>Rte. 29 Solutions Design-Build</td>
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<td>$41,039,761</td>
<td>$130,883</td>
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<td>($31,734)</td>
<td>($31,734)</td>
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<td>Rte. 29/250 Interchange</td>
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<td>$6,892,647</td>
<td>$109,216</td>
<td>$567,872</td>
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<td>Change</td>
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<td>($647,204)</td>
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<td>Adaptive Signals</td>
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<td>$1,618,567</td>
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<tr>
<td>Change</td>
<td>(total budget)</td>
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<td>Hillsdale Extended (Budget, Construction)</td>
<td>$11,198,000</td>
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<td><strong>Totals</strong></td>
<td><strong>$142,785,078</strong></td>
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<td><strong>$365,099</strong></td>
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<td><strong>$81,793,335</strong></td>
<td><strong>$146,236,315</strong></td>
<td><strong>$185,025,000</strong></td>
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Agenda item 8: Pedestrian Accommodation and Detour - Rio GSI

Currently pedestrian access interrupted in all four quadrants

No later than Monday Mar 7, pedestrian access to be restored in SW and SE quadrants

No later than Wednesday Mar 9, pedestrian access to be restored in NW quadrant

Pedestrian access in NE quadrant potentially remains interrupted until May 23, 2016

Additional *Sidewalk Closed* advanced notice signs to be located on east side of Rt. 29 NB, both north and south of Rio Road (see slide 33)
Agenda item 8: Pedestrian Accommodation and Detour (continued)
Agenda item 9: Nighttime Signal Phasing Before and After May 23, 2016

Before May 23, 2016 signals placed on flash during nighttime work
- Rt. 29 in yellow
- Rio Road in red

During May 23 - Sep 2 intersection restriction period
- No signal at intersection
- Rt. 29 NB and SB free flow
- Yield for right turn from Rio WB to Rt. 29 NB
- Stop for right turn from Rio EB to Rt. 29 SB

After Sep 2, or sooner if - when - GSI opens early
- New traffic signal fully operational
### Agenda item 10: Proposed PDAP Calendar July - December 2016

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<th>July</th>
<th>October</th>
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<td>July 7</td>
<td>October 6</td>
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<td>July 28</td>
<td>October 20</td>
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<tr>
<td>(3-week interval)</td>
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<td>August 11</td>
<td>November 3</td>
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<td>August 25</td>
<td>November 17</td>
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<td>September 8</td>
<td>December 1</td>
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<td>September 22</td>
<td>December 15</td>
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Agenda item 11: New Business and Wrap Up
Agenda item 12: Adjourn
Rt. 29 Solutions Project Delivery Advisory Panel

March 3, 2016