Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team
# Agenda item 2: Interaction and Feedback

## Live Streaming

<table>
<thead>
<tr>
<th></th>
<th>July 7, 2016</th>
<th>June 23, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unique Viewers:</td>
<td>17</td>
<td>22</td>
</tr>
<tr>
<td>Streams:</td>
<td>23</td>
<td>16</td>
</tr>
<tr>
<td>Average Minutes per stream:</td>
<td>21</td>
<td>23</td>
</tr>
</tbody>
</table>
Agenda item 2: Interaction and Feedback (continued)
For the period July 2, 2016 - July 24, 2016

Inbox email and phone calls: 24 emails

- 1 suggested signing at the new ramp at Rt 29/250 is inaccurate
- 1 said links on the Hydraulic page of the project website are broken
- 1 expressed disappointment that sidewalks are not being extended on Rio
- 1 was concerned about the free-flowing right from Rio W to 29 N and potential conflicts
- 2 said the left turn cycles at new Rio signal are too brief
- 2 indicated signal timing is out of sync on 29, too many red lights
- 1 complained about signal timing at Hilton Heights; left turn cycle is too brief
- 12 commended the project team; several cited planning, execution, communications, minimal disruption
Agenda item 2: Interaction and Feedback (continued)
For the period July 2, 2016 - July 24, 2016

Inbox email and phone calls: 24 emails (continued)

- Deputy fire chief clarified emergency vehicle movements with new traffic pattern and with night closures
- 1 noted the local lanes on 29 N are not aligned near Albemarle Square
- 1 expressed concern about potential conflicts for vehicles merging with trucks before and after the underpass
- 1 said speed bumps on Carrsbrook Drive are causing drivers to slow too much therefore bumps should be flattened
- 1 requested that Carrsbrook speed bumps be removed now that intersection is open
- 1 property manager cannot find its TODS signs and asked whether VDOT will reinstall its street sign that was on a signal arm that has been removed
- 1 complained about signal timing at 29/Lenox Ave. intersection
Rt 29 Solutions

Agenda item 2: Interaction and Feedback (continued)
For the period July 2, 2016 - July 24, 2016

Web Provide Input:  2 new postings
• 1 noted project delivery exceeded expectations
• 1 criticizing person who said project exceeded expectations

Project Hotline 844-220-5540:  5 calls and 1 to Chris Reed
• 1 requested directions
• 1 expressed concerns about signal timings at Rio GSI
• 1 sought to file a damage claim
• 1 sought schedule update at Rio GSI
• 1 expressed concern about trucks speeding at Forest Lakes
• 1 complained about ongoing dust control on Rio Mills Rd.
Agenda item 3: Report on Panel Feedback
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 July 25, 2016</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>December</td>
<td>January</td>
</tr>
<tr>
<td><strong>Rio Road GSI</strong>&lt;br&gt;Sep 2, 2016&lt;br&gt;Dec 2, 2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utility Relocation</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Drive Abutment Piles</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Set retaining wall piles and widen roadway</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Rt. 29 Widening</strong>&lt;br&gt;Oct 31, 2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp. Signals</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>ROW Acquisition</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Phase 1 Grading, Drainage and Paving</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td><strong>Berkmar</strong>&lt;br&gt;Oct 31, 2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROW Acquisition</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>S. Abutment Excavation, Pile Driving</td>
<td>95%</td>
<td></td>
</tr>
<tr>
<td>Rough Grading South of River</td>
<td>80%</td>
<td></td>
</tr>
<tr>
<td><strong>Hillsdale</strong>&lt;br&gt;Oct 31, 2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROW Acquisition</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>90% Plans</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Final Design</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Rt. 29/250</strong>&lt;br&gt;May 21, 2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSE Wall</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Pavement Widening</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Final Paving</td>
<td>100%</td>
<td></td>
</tr>
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</table>

**Under way**

**Complete**

**Late**

1. Utility Relocation (100%)
2. Final Paving and Markings (100%)
3. Landscape, Hardscape, Staining (30%) (40%)
4. Final Signing 100%

( % ) %complete prior reporting period
Interim Milestones: Progress as of July 20, 2016

<table>
<thead>
<tr>
<th>Completed prior to May 23</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
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<tbody>
<tr>
<td>Albemarle Square signal removed</td>
<td></td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fashion Square signal removed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilities permanently relocated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stormwater management systems functional</td>
<td>80%</td>
<td>95%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Drainage systems functional</td>
<td>75%</td>
<td>85%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrier walls complete</td>
<td>35%</td>
<td>45%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Bridge complete</td>
<td>65%</td>
<td>90%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pavement - intermediate course</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line striping</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Directional arrows</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Signals operational</td>
<td>35%</td>
<td>60%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Permanent signing installed</td>
<td>40%</td>
<td>70%</td>
<td>100%</td>
<td></td>
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<td>Temporary signs and signals removed</td>
<td>0%</td>
<td>30%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Signal detectors operational</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
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<tr>
<td>Signal timing operational</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Lighting under bridge operational</td>
<td>90%</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Crosswalks marked and accessible</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Pedestrian refuge areas accessible</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
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<tr>
<td>Attenuators in place</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All turning movements open</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All through movements open</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection

Work this week

- Sidewalk, curbs, drop inlet tops
- Grade outside slopes
- Stormwater Facility 4 Repair
- Punchlist items
- Wall repairs
- Bridge parapet finishing
- Pour remaining stamped concrete islands
- Electrical punchlist
- Pedestrian light pole installations
Rt 29 Solutions

Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Significant lane closures this week
• Nighttime lane closures along Route 29 between 9:00 pm and 6:00 am
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Work next two weeks

- Grading outside slopes
- Punchlist items
- Wall repairs
- Bridge parapet finishing
- Berkmar and Rio signal foundations
- Pedestrian light pole installations
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Anticipated significant upcoming lane closures (nighttime)
• Nighttime lane closures along Route 29 between 9:00 pm and 6:00 am
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening

Work this week

- Erosion control ditches
- Ponds 2 and 5 drainage and excavation
- Ditch construction
- Sub base stone north of Hollymead
- Fine grading
- Slope construction
- 16-11 box culvert
- Permanent seeding
- Phase 2 striping
- Asphalt paving
- Structure 11-4 end walls
- Structure 15-21
- Jack and bore 8-1, 11-1, 12-20
- Relocate aerial telecommunication lines
Rt 29 Solutions

Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Significant lane closures this week (nighttime)
• Route 29 left or right lane closure NB and SB
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Work next two weeks

- Phases 2 and 5 drainage installation
- Pond 5 excavation
- Asphalt demolition
- Guardrail demolition
- Slope grading
- Pipe collars
- Retaining wall at Kohl’s
- Pave Ashwood intersection
- South tie-in and barrier wall removal
- Jack and bore 8-1, 11-1, 12-20
- Relocate aerial telecommunication lines
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Anticipated significant upcoming lane closures (nighttime)

• Route 29 left or right lane closure NB and SB
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended

Work this week

- Erosion control maintenance
- Excavate south of river
- Excavate pond 6
- Place and compact embankment
- Pour pier 1 cap
- Form pier 2 cap
- Construct crane pads
- Drill and shoot north section of alignment
- Sanitary encasement
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Significant lane closures this week
  • Flagging operation along Rio Mills Road
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Work next two weeks

• Erosion control maintenance
• Excavate south of river
• Complete pond 8
• Place and compact embankment
• Form pier 2 cap
• Tie and set pier 2 cap steel
• Pour pier 2 cap
• Formwork removal
• Construct crane pads
• Drilling and shooting behind Kohl’s
• Abutment A drainage
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Anticipated upcoming significant lane closures this week

• Flagging operation along Rio Mills Road
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Hillsdale Extended

Work this week

- Continue mobilization
- Continue installation of environmental controls
- Continue surveying
- Continue utility relocations
- Prepare for Phase I clearing
- Submit project baseline schedule
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Hillsdale Extended (continued)

Work next two weeks

- Continue mobilization
- Continue installation of environmental controls
- Continue surveying
- Continue utility relocations
- Begin Phase I clearing
- Subcontractor submittals and permits
- Review project baseline schedule
Rt 29 Solutions

Agenda item 8: Monthly Budget Update

<table>
<thead>
<tr>
<th>Construction Contracts</th>
<th>Original Construction Contract Value</th>
<th>Expended (Invoiced)</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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<tbody>
<tr>
<td>Rte. 29 Solutions Design-Build</td>
<td>$116,746,000</td>
<td>$64,687,669</td>
<td>$1,750,950</td>
<td>$848,199</td>
<td>$53,809,281</td>
<td>$119,345,149</td>
<td>$155,775,000</td>
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<tr>
<td>Change from May</td>
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<td>$1,227,538</td>
<td>($1,227,538)</td>
<td>($6,860,988)</td>
<td>$0</td>
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<td>$0</td>
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<tr>
<td>Rte. 29/250 Interchange</td>
<td>$11,121,078</td>
<td>$11,819,984</td>
<td>$79,114</td>
<td>$700,000</td>
<td>($619,792)</td>
<td>$11,900,192</td>
<td>$14,632,000</td>
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<td>Change from May</td>
<td>($283,440)</td>
<td>($30,102)</td>
<td>($482,533)</td>
<td>$253,338</td>
<td>($512,635)</td>
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<td>$0</td>
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<tr>
<td>Adaptive Signals</td>
<td>$3,720,000</td>
<td>$2,349,605</td>
<td>$125,000</td>
<td>$50,000</td>
<td>$1,495,395</td>
<td>$3,895,000</td>
<td>$3,420,000</td>
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<tr>
<td>Change from May</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Hillsdale Extended</td>
<td>$11,451,492</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<td>$11,198,000</td>
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<td>Change from May</td>
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<td>$0</td>
<td>$0</td>
<td>$11,451,492</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td><strong>Totals</strong></td>
<td><strong>$143,038,570</strong></td>
<td><strong>$78,857,258</strong></td>
<td><strong>$1,955,064</strong></td>
<td><strong>$1,598,199</strong></td>
<td><strong>$66,136,376</strong></td>
<td><strong>$146,591,833</strong></td>
<td><strong>$185,025,000</strong></td>
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<tr>
<td>Change from May</td>
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<td><strong>$1,197,436</strong></td>
<td><strong>($1,710,071)</strong></td>
<td><strong>$4,843,842</strong></td>
<td><strong>($512,635)</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
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</table>
Agenda item 9: Signal Timing Observations and Adjustments

Design signal timings installed week of July 25
• On Rt 29 from Hydraulic to Airport Road
• On Rio from Barracks to Mall Drive

Lane-Corman and VDOT Traffic Operations will continue to monitor

Project team will continue to record observations and make adjustments as necessary
Rt 29 Solutions

Agenda item 10: PDAP Calendar 2017 - For Consideration

Rt. 29 Widening, Berkmar and Hillsdale construction continues through Oct 2017

PDAP Options for 2017
1. Schedule bi-weekly meetings through Oct 2017
2. Schedule bi-weekly meetings Jan, Feb and Mar, then reassess
3. Schedule monthly meetings Jan, Feb and Mar, then reassess
4. Schedule monthly meetings through Oct 2017

PDAP Membership
• Value the productive contributions of all members, past and present
• Appreciate time commitment requirements
• Happy to continue with current members

Not necessary to make any decisions at this time
Agenda item 11: New Business and Wrap Up

New Business item added post-Agenda distribution

Bypass Right of Way Update - 90 Parcels (April 28 update)

- 51 have been sold (15)
- 9 are under contract (21)
- 11 pending resolution of condemnation issues (14)
- 12 for sale through public advertisement or to adjacent landowner (35)
- 1 used as right of way for Leonard Sandridge Road project (1)
- 5 retained by VDOT for Rt 29 Solutions Program (3)
- 1 in litigation (1)
Agenda item 12: Adjourn