Introductions:  Project Delivery Advisory Panel
              VDOT Technical Team

Agenda item 1:  Charlie Kilpatrick, Commissioner of Highways

Agenda Item 2:  Aubrey Layne, Secretary of Transportation
## Agenda item 3: Interaction and Feedback

### Live Streaming

<table>
<thead>
<tr>
<th></th>
<th>Dec 15, 2016</th>
<th>Dec 1, 2016</th>
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<tbody>
<tr>
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<td>18</td>
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<tr>
<td>Streams</td>
<td>18</td>
<td>36</td>
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<tr>
<td>Average Minutes per stream</td>
<td>21</td>
<td>23</td>
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</table>
Agenda item 3: Interaction and Feedback (continued)

For the period Dec 13, 2016 - Jan 17, 2017

Inbox email and phone calls: 12 emails and phone calls

• 1 commented that signals on Rt 29 at Timberwood and at Hollymead intersections are not well timed. (Signals will be adjusted after construction)
• 1 noted Rio - Rt 29 intersection is dramatically better.
• 1 commented about a blind spot at Ashwood. (The sight distance is greater than required by design standards)
• 1 asked about location of crosswalk on Rt 29 Widening project. (Crosswalk will be at N. Hollymead intersection; connects sidewalk to shared use path)
• 1 thanked the contractor and project communications team.
• 1 asked if Rio Mills Road will be paved and whether there will be access to Berkmar Drive from Rio Mills Road. (No current plans to pave. But project to connect Rio Mills to Berkmar was submitted for Smart Scale scoring.)
Agenda item 3: Interaction and Feedback (continued)

For the period Dec 13, 2016 - Jan 17, 2017 (continued)

• 1 asked when Berkmar Extension will open. (July 1 completion scheduled)
• 1 said the signal at Ashwood does not change frequently enough. (Field check indicates light is working properly)
• 1 resident near Rt 29/250 asked about opening in the sound wall near the Barracks Road exit ramp. (Opening is chained but VDOT reviewing security)
• 1 requested additional stone on the driveway from Route 29 to the parking area of Ridgewood apartments. (Stone added and graded)
• 1 suggested a “3-way Stop” be added on each approach to Berkmar Drive and Hilton Heights intersection. (Roundabout will be in place by summer)
• 1 said the new pavement markings are not easy to decipher on SB Rio Road at the GSI. (There are no plans to change or add markings)
• 1 noted the mast arm for the traffic signal on northbound Route 29 at Rio Road appears to be bouncing in the wind. (Some sway is appropriate. Dampers were added in the fall to reduce excessive swaying.)
Agenda item 3: Interaction and Feedback (continued)

For the period Dec 13, 2016 - Jan 17, 2017 (continued)

Web Provide Input: No new postings

Project Hotline 844-220-5540: 7 emails and calls

• 4 communications with property managers at Forest Lakes and Hollymead for construction updates
• 2 communications with other property managers for construction updates
• 1 requested information about responsibility for maintaining temporary access and gravel on entrances during construction.
Agenda item 4: Report on Panel Feedback

No new items
Agenda item 5: Panel Feedback and Suggestions for Future Agenda Items

Open Discussion
### Agenda item 6: Construction Milestones

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<thead>
<tr>
<th>As of 1/17/17</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>November</td>
<td>December</td>
<td>January</td>
</tr>
<tr>
<td>29 Widening</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Waterline Relocation (30%) 50%</td>
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<td></td>
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<td>Phase 4 Grading, Drainage, and Paving (25%) 40%</td>
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<tr>
<td></td>
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<td>Phase 6 and 7 Grading, Drainage, and Paving (30%) 35%</td>
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<tr>
<td>Berkmar</td>
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<tr>
<td></td>
<td></td>
<td>Roadway Construction South of River (85%) 85%</td>
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<td></td>
<td></td>
<td>Roadway Construction North of River (90%) 90%</td>
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<td>Deck Construction 100%</td>
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<td>Parapets, Abutment Slabs, and Railing (0%) 20%</td>
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<tr>
<td>Hillsdale</td>
<td></td>
<td>Partial Building Demolition 100%</td>
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<td></td>
<td></td>
<td>Retaining Wall-Pepsi (35%) 40%</td>
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<td></td>
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<td>Roundabout and Roadwork between Zan Rd. and Whole Foods (20%) 30%</td>
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- **Construction Complete**
Rt 29 Solutions

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

Rt 29 Widening

Work this week

- Erosion control
- Excavation at Ridgewood Hotel and Ruben Lane
- Ditch grading and stabilization
- Stone grading for northbound and shared use path
- Pond 3 drainage installation
- Guardrail removal
- Landscaping
- Storm sewer installation
- Water main relocation
- Water main phase 1 testing
- Jack and bore 9-2 and 11-1
- Underdrain installation
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Significant lane closures this week (nighttime)

• Access at Ridgewood and Ruben Lane coordinated with residents
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Work next two weeks

- Erosion control
- Ruben Lane excavation
- Pond 3 finalization
- Fine grading northbound lane and shared use path
- Curb backup material installation
- Storm sewer installation
- Asphalt demolition south of Hollymead Drive
- Landscaping
- Phase 3 water main installation
- Phase 2 water main testing
- Jack and bore structure 9-2, demobilization of 11-1
- Underdrain installation
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Anticipated significant upcoming lane closures (nighttime)

- Access at Ruben Lane coordinated with residents
- Nighttime closure of Ashwood with detour along Hollymead for water main crossing
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended

Work this week

- Erosion control maintenance
- Fine grading and stone placement on shared use path and sidewalk
- Cut to fill abutment A, push to fill abutment B
- Build and set bridge form liners
- Install tooth joints
- Pour sleeper pads
- MSE coping installation
- Base and intermediate paving (weather dependent)
Berkmar Bridge Looking South
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Significant lane closures this week

• Phase 1 MOT at Berkmar and Hilton Heights (re-configured stop vs through)
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Work next two weeks

- Grading shared use path and sidewalk
- Cut to fill abutment B
- Build and set bridge form liners
- Abutment A tooth joint installation
- Base and intermediate paving (weather dependent)
- Landscaping
- Storm sewer installation
- Water main installation (betterment)
- Tie steel for approach slab and parapet tie-in
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Anticipated upcoming significant lane closures
• Phase 1 MOT at Berkmar and Hilton Heights (re-configured stop vs through)
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Hillsdale Extended

Work this week

- Retaining wall excavation and undercut between Pepsi and USPS
- Retaining wall leveling pad, panel placement, and backfill
- Place curb south of India Road & Pepsi parking lot
- Place storm water pipe by Hampton Inn
- Construct Abutment A wing walls, form and pour architectural treatment

Significant lane closures this week

- None
Agenda item 7: Rt 29 Solutions Project Updates (continued)

Hillsdale Extended (continued)

Work next two weeks

• Retaining wall excavation and undercut between Pepsi and USPS
• Retaining wall panel placement and backfill
• Excavation at India and Hillsdale Drive intersection
• Place storm water pipe/structures between roundabout & India Road
• Construct Abutment A wing walls, form and pour architectural treatment
• Undercut and fill at SWM pond

Anticipated upcoming significant lane closures

• Flagging operation at India and Hillsdale
Rt 29 Solutions

Agenda item 8: 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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<td>Rt. 29 Solutions Design-Build (1)</td>
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1. Rt. 29 Solutions Design-Build Exposure includes $1,300,000 potential incentive for overall DB program on-time completion.
2. Rt. 29/250 Interchange Exposure includes anticipated final payment.
Agenda item 9: Accident Report Update (Post-Rio GSI opening period)

Joel DeNunzio

Number of crashes, isolated period, Jul 19 - Oct 31, 5-year history

- Jul 19 - Oct 31, 2012 22
- Jul 19 - Oct 31, 2013 38
- Jul 19 - Oct 31, 2014 25
- Jul 19 - Oct 31, 2015 32
- Jul 19 - Oct 31, 2016 16
Rio Crashes July 19 - October 31, 2012
22 Crashes
Collision Type
- Rear End
- Deer
- Angle
- Sideswipe - Same Direction
- Sideswipe - Opposite Direction
Rio Crashes July 19 - October 31, 2013

38 Crashes

Collision Type

- Green: Rear End
- Yellow: Ped
- Blue: Angle
- Red: Sideswipe - Same Direction
- Purple: Non-Collision
Rio Crashes July 19 - October 31, 2014
25 Crashes
Collision Type
- Green: Rear End
- Red: Deer
- Orange: Other
- Blue: Angle
- Light Blue: Head On
- Dark Red: Sideswipe - Same Direction
- Purple: Fixed Object - Off Road
Rio Crashes July 19 - October 31, 2015
32 Crashes

Collision Type
- Green: Rear End
- Blue: Angle
- Red: Sideswipe - Same Direction

Note: 7 angle collisions at the Rio/29 intersection
Rio Crashes July 19 - October 31, 2016
16 Crashes

Collision Type
- Rear End
- Angle
- Sideswipe - Same Direction
Agenda item 10: New Business and Wrap Up

Agenda item 11: Adjourn
Rt 29 Solutions Project Delivery Advisory Panel

January 19, 2017