Rt 29 Solutions Project Delivery Advisory Panel

May 26, 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>May 12, 2016</th>
<th>Apr 28, 2016</th>
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<tbody>
<tr>
<td>Unique Viewers:</td>
<td>17</td>
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<tr>
<td>Streams:</td>
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<tr>
<td>Average Minutes per stream:</td>
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<td>32</td>
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</tbody>
</table>
Agenda item 2: Interaction and Feedback (continued)

For the period May 9, 2016 - May 22, 2016

Inbox email and phone calls: 16 emails

- 2 business requests for Get Around maps
- 2 requested clarification of detour routes May 23 - Sep 2
- 1 sent “thank you” for paving on Emmet Street
- 1 request for meeting with Volunteer Fire Department
- 1 request from Goodwill for assistance with public awareness
- 1 complaint regarding pavement conditions on Rt. 29 SB
- 1 regarding retiming of Woodburn signal
- 1 asked about pedestrian crossings at Rio+29 during restricted period
- 1 asked why work was done at Exit 118 on Final Exercises weekend
- 1 complained about Traffic Alert link on route29solutions.org
- 1 expressed dissatisfaction with Get Around maps
- 1 expressed confusion with lane markings at Rt 250 / 29 project
- 1 asked if Rio will go over or under Rt 29
- 1 asked why earlier drive through showed 4 lanes in each direction on Rt 29
Agenda item 2: Interaction and Feedback (continued)

For the period May 9, 2016 - May 22, 2016

Web Provide Input: No new postings

Project Hotline 844-220-5540: 1 call; 1 email
- 1 asked whether Rt 29 SB could turn left at Twentyninth Place signal
- 1 asked how to access Wendy’s from Rio WB (traveling on Rio Road East)
Agenda item 3: Report on Panel Feedback

Include Rio Rd on detour signs
- Rio Rd will be added to two detour signs; one Rt 29 NB and one Rt 29 SB

Signing for alternate routes
- Will not sign alternate routes
- Want to maintain visibility for businesses from Rt 29
- Alternate routes are shown on Get Around map

Provide Get Around maps to rental car agencies
- Delivered
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 May 23, 2016</th>
<th>2015</th>
<th>2016</th>
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<tbody>
<tr>
<td></td>
<td>December</td>
<td>January</td>
</tr>
<tr>
<td><strong>Rio Road GSI</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Sep 2, 2016</td>
<td>Dec 2, 2016</td>
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<tr>
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<tr>
<td>Drive Abutment Piles 100%</td>
<td></td>
<td></td>
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<tr>
<td>Set retaining wall piles and widen roadway 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Rt. 29 Widening</strong></td>
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<td>Oct 31, 2017</td>
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<tr>
<td>Temp. Signals</td>
<td>100%</td>
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<td>Gas line relocation - (70%) 80%</td>
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<tr>
<td>ROW Acquisition 100%</td>
<td></td>
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<tr>
<td>Phase 1 Grading, Drainage and Paving (80%) 90%</td>
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<td></td>
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<tr>
<td><strong>Berkmar</strong></td>
<td></td>
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<tr>
<td>Oct 31, 2017</td>
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<tr>
<td>ROW Acquisition 100%</td>
<td></td>
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<tr>
<td>Clearing North of River 100%</td>
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<tr>
<td>S. Abutment Excavation, Pile Driving (95%) 100%</td>
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<tr>
<td>Rough Grading South of River (70%) 80%</td>
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<td>Utility Relocation (90%) 90%</td>
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<tr>
<td><strong>Hillsdale</strong></td>
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<tr>
<td>Oct 31, 2017</td>
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<tr>
<td>ROW Acquisition 100%</td>
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<tr>
<td>90% Plans 100%</td>
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<tr>
<td>Final Design 100%</td>
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<td>Utility Relocation (25%) 35%</td>
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<td><strong>Rt. 29/250</strong></td>
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<td>May 21, 2016</td>
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<td>MSE Wall 100%</td>
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<td>Pavement Widening 100%</td>
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<tr>
<td>Final Paving</td>
<td>100%</td>
<td></td>
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<tr>
<td>Sound Barrier 100%</td>
<td></td>
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</tbody>
</table>

**Under way**

**Complete**

**Late**

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

Rt 250 / 29 Interchange

Work this week

• Complete lighting foundations along Route 29
• Complete backfilling of the MB-7F along Route 250
• Complete barrier over drainage structures along Route 250
• Complete pavement marking for Route 250
• Install pavement markers on Route 250 and Route 29
• Complete grading and topsoil behind sound walls
• Complete ground sign installation
• Install final guardrail along Route 250
• Complete ROW fence
Rt 250 / 29 SB Overhead Signs
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rt 250 / 29 Interchange (continued)

Significant lane closures this week

• Route 250 Bypass Westbound right lane and shoulder closure
• Barracks Road to Route 250 Bypass Eastbound right shoulder closure
• Mobile lane closures for pavement marking
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rt 250 / 29 Interchange (continued)

Work next two weeks

• Final grade, seed, and stabilize
• Convert temporary sediment basin to permanent storm water management basin
• Punch list activities
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rt 250 / 29 Interchange (continued)

Anticipated significant upcoming lane closures
• None
Rt 29 Solutions

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

Rio Grade-Separated Intersection
Work this week

- Crossover closure
- Setting barriers
- Mass excavation
- Grade beam excavation
- Backfill backwall and leveling pad
- Lagging preparation
- FDC Connections
- Set structure 4-4
- Drainage run 4-6-4-7 to 5-20
- Barrier anchoring
- Fall protection installation
- Pull plates
- Prep beam seals
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)
Work this week (continued)
• Backwall forming
• Mobilize crane to pad
• Install lighting systems
• Set beams
• Post-tension and grout
• Traffic shift
• Mill asphalt
• Inclinometer installation
• Pre-tie grade beams
• Remove temporary signals
• Pour permanent traffic signal foundations
• Proof conduit runs
• Rio traffic cabinet installation
• Pour pedestrian signal foundations
The beam has landed...
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Significant lane closures this week

- Phase II Traffic Closure In Place
- Additional lane closures along Route 29 between 9:00 pm and 6:00 am
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Work next two weeks
- Mass excavation
- Backfill backwall and leveling pad
- Lagging preparation
- FDC Connections
- Drainage structures 6-7 to 6-6 and 6-6 to 6-5
- Drainage run 4-6-4-7 to 5-20
- Form preparation
- Pour leveling pad
- Prep beam seats
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Work next two weeks (continued)

- Crane pad installation
- Backwall forming
- Mobilize crane to pad
- Set beams
- Core abutment holes
- Post-tension and grout
- Pre-tie grade beams
- Pull conductor cables
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

- Phase II Traffic Closure In Place
- Additional lane closures along Route 29 between 9:00 pm and 6:00 am
Rt 29 Solutions

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

Rt 29 Widening

Work this week

- Wire wall construction
- Cut to fill grading
- Pipe installation
- Phase 3 gas main relocation
- Jack and bore structure 11-4
- Slip line box culverts
- Erosion control and seeding
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening

Significant lane closures this week (nighttime)
• Route 29 left or right lane closure NB and SB
Rt 29 Solutions

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

Rt 29 Widening (continued)

Work next two weeks

- Wire wall construction
- Cut to fill grading
- 72” Pipe installation
- 48” Pipe installation
- Structure 15-20 headwall
- Phase 3 gas main relocation
- Jack and bore structure 11-4
- Mobilize jack and bore crew to structure 12-20
- Dominion utility pole relocation
- Relocate communications to new utility poles
- Erosion control and seeding
Agenda item 6: 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 6: Rt 29 Solutions Project Updates (continued)

Berkmar Extended
Work this week

• Place embankment and spread millings from Rio
• Set MSE panels at abutment A and B
• Grout CSL tubes
• Strip forms at abutment A
• Erosion control and seeding
• Shoot north mass
• Drill next mass
• Install 21-8 headwall
• Install crossing # 8 for 84” pipe installation
• Shafts Pier 1, C1; Pier 2, C2
• Core drill and grout shaft Pier 1, C3
• Tie pier and column steel
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Significant lane closures this week
• Flagging operation along Rio Mills Road
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Work next two weeks

• Place embankment from Rio
• Set MSE panels at abutment A and B
• Prep steel for column forms
• Erosion control and seeding
• Drill next mass
• Install structure 19-5A
• Install crossing # 7
• Shafts Pier 2, C2
• Tie pier and column steel
Rt 29 Solutions

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

Berkmar Extended (continued)

Anticipated upcoming significant lane closures this week
• Flagging operation along Rio Mills Road
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Hillsdale Extended

Work this week

• Opened construction bids Monday May 23 at 11:00am

  Fielder’s Choice  $11,451,481.80
  Branch Highways  $13,220,541.18
  Faulconer Construction $13,436,244.80

• Continue with utility relocations for service to commercial buildings

• City leads bid review; VDOT supports

• Continue business relocations

• Continue Utility relocations (DVP, CenturyLink & Comcast)
Hillsdale Extended (continued)

Work next two weeks

- Notice of Apparent Low Bidder; Jun 6
- Preconstruction conference; Jun 22
- Continue with utility relocations for service to commercial buildings
- Continue business relocations
- Continue Utility relocations (DVP, CenturyLink & Comcast)
## Agenda Item 7: Interim Milestones Rio GSI

### Interim Milestones: Progress as of May 23, 2016

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<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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<td>Albemarle Square signal removed</td>
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<td>X</td>
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<tr>
<td>Fashion Square signal removed</td>
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<td>Utilities permanently relocated</td>
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<td>Stormwater management systems functional</td>
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<tr>
<td>Drainage systems functional</td>
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<td>Barrier walls complete</td>
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<td>Bridge complete</td>
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<td>Pavement - intermediate course</td>
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<td>Line striping</td>
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<td>Signals operational</td>
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<td>Permanent signing installed</td>
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<td>Temporary signs and signals removed</td>
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<td>Signal detectors operational</td>
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<td>Signal timing operational</td>
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<td>Lighting under bridge operational</td>
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<td>Crosswalks marked and accessible</td>
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<td>Pedestrian refuge areas accessible</td>
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<td>Attenuators in place</td>
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<tr>
<td>All turning movements open</td>
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<tr>
<td>All through movements open</td>
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## Rt 29 Solutions

### Agenda item 8: Budget Update

**Route 29 Solutions Budget Update as of May 23, 2016**

<table>
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<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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<tbody>
<tr>
<td>Rte. 29 Solutions Design-Build</td>
<td>$116,746,000</td>
<td>$51,495,657</td>
<td>$523,412</td>
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<td>($3,625,377)</td>
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<tr>
<td>Rte. 29/250 Interchange</td>
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<td>$10,515,878</td>
<td>$109,216</td>
<td>$492,663</td>
<td>$714,416</td>
<td>$11,722,957</td>
<td>$14,632,000</td>
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<td>Adaptive Signals</td>
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<td>$1,495,395</td>
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<tr>
<td>Change from Apr 25</td>
<td>(total budget)</td>
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<td>($56,390)</td>
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<td>Hillsdale Extended (Construction Budget)</td>
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<td>Change from Apr 25</td>
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<td><strong>$2,618,400</strong></td>
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<td><strong>$146,161,106</strong></td>
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Agenda item 9: New Business and Wrap Up
Agenda item 10: Adjourn
Rt 29 Solutions Project Delivery Advisory Panel

May 26, 2016