Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team
**Agenda item 2: Interaction and Feedback**

**Live Streaming**

<table>
<thead>
<tr>
<th></th>
<th>June 23, 2016</th>
<th>May 26, 2016</th>
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<td>Streams:</td>
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<td>Average Minutes per stream:</td>
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<td>25</td>
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Agenda item 2: Interaction and Feedback (continued)
For the period June 20, 2016 - July 1, 2016

Inbox email and phone calls: 11 emails
- 1 requested permanent gravel parking lot under Berkmar Bridge
- 1 regarding signal timing on Rt. 29 south
- 1 regarding sidewalk extension on north side of Rio East to Putt Putt Lane
- 1 regarding bike lane extensions on Rio East and Rio West
- 1 requested an OK to link Rt 29 Solutions newsletter to a neighborhood site
- 1 regarding an unnamed parking lot full of cars (dated May 23, 2016)
- 1 compliment for management and delivery of the Rio GSI
- 1 regarding signal timing and phasing between Woodbrook and Hydraulic
- 1 regarding visibility of speed bumps and speed limit signs on Carrsbrook
- 2 requested more green time for left turn at Fashion Square Drive
Agenda item 2: Interaction and Feedback (continued)
For the period June 20, 2016 - July 1, 2016

Inbox email and phone calls: 11 emails (continued)
• 1 regarding speeding on Berkmar Drive between Rt. 29 and Rio West
• 1 regarding left turn green arrow at Berkmar and Rio
• 1 regarding Rt. 29 location of entrance to Hardees
• 1 regarding signal cables in the Hardees parking lot
• 1 regarding timing of restoring landscaping in front of Hardees
• 1 regarding next steps of GSI construction

Web Provide Input: 1 new posting
• 1 regarding signal cycle at Ashwood and Rt. 29

Project Hotline 844-220-5540: None
Rt 29 Solutions

Agenda item 3: Report on Panel Feedback

Include Hillsdale updates in Traffic Alerts and Newsletters
- Newsletters will provide Hillsdale construction updates
- Traffic Alerts will include Hillsdale construction alerts

Crash data update: March and April 2015 v March and April 2016
- March - April 2015
  - Total = 17 (11 rear end, 5 angle, 1 sideswipe)
- March - April 2016
  - Total = 4 (2 rear end, 2 angle)
Agenda item 3: Report on Panel Feedback (continued)

Clarify added storage length at Woodbrook

Storage lanes are intended to operate independent of through lanes

51 ft of full lane-width storage will be added to inner left-turn lane
  • Pre-construction storage: 202 ft
  • Post-construction storage: 253 ft

The length of the left-turn lane taper will be reduced
  • Pre-construction taper: 200 ft
  • Post-construction taper: 150 ft
  • The post-construction taper length meets design standards

Total length of the inner left-turn lane and taper will not materially change
  • Pre-construction: 402 ft
  • Post-construction: 403 ft
Rt 29 Solutions

Agenda item 4: Panel Feedback and Suggestions for Future Agenda Items

Open Discussion
# Agenda item 5: Construction Milestones

**Status as of Jul 5, 2016**

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<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
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<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>Dec 2, 2016</td>
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<td><strong>Utility Relocation</strong></td>
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<tr>
<td><strong>Drive Abutment Piles</strong></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Set retaining wall piles and widen roadway</strong></td>
<td>100%</td>
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</tr>
<tr>
<td><strong>Drive Abutment Piles</strong></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Set retaining wall piles and widen roadway</strong></td>
<td>100%</td>
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<tr>
<td><strong>Final Pavement and Markings</strong></td>
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<tr>
<td><strong>Landscape, Hardscape, Staining</strong></td>
<td>30%</td>
<td></td>
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<tr>
<td><strong>May 23 start - Rio Restricted Period - Sep 2 intersection open (45%)</strong></td>
<td>80%</td>
<td></td>
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<tr>
<td><strong>Final Signing</strong></td>
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<td></td>
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<tr>
<td><strong>Construction Complete</strong></td>
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<tr>
<td><strong>Rt. 29 Widening</strong></td>
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<td>Oct 31, 2017</td>
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<td><strong>Temp. Signals</strong></td>
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<tr>
<td><strong>Gas line relocation - (90%)</strong></td>
<td>100%</td>
<td></td>
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<tr>
<td><strong>ROW Acquisition</strong></td>
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<td></td>
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<tr>
<td><strong>Line Relocation</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Phase 1 Grading, Drainage and Paving (95%)</strong></td>
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<td></td>
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<tr>
<td><strong>Phase 2 Grading, Drainage and Paving (35%)</strong></td>
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<tr>
<td><strong>Phase 3 Grading, Drainage and Paving</strong></td>
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<tr>
<td><strong>Phase 4 Grading, Drainage and Paving</strong></td>
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<tr>
<td><strong>Gas line relocation - (90%)</strong></td>
<td>100%</td>
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<tr>
<td><strong>Utility Relocation</strong></td>
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<tr>
<td><strong>ROW Acquisition</strong></td>
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<td><strong>100%</strong></td>
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<td></td>
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<tr>
<td><strong>Utility Relocation (95%)</strong></td>
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<tr>
<td><strong>North Abutment</strong></td>
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<tr>
<td><strong>Roadway Construction North of River (20%)</strong></td>
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<td><strong>Steel Girder Erection</strong></td>
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<td><strong>Pier Construction (50%)</strong></td>
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<tr>
<td><strong>Roadway Construction South of River (20%)</strong></td>
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<tr>
<td><strong>Roadway Construction South of River (20%)</strong></td>
<td>30%</td>
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<td><strong>Utility Relocation (95%)</strong></td>
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<td><strong>90% Plans</strong></td>
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<td><strong>Final Design</strong></td>
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<tr>
<td><strong>Utility Relocation (50%)</strong></td>
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<td><strong>Adv for Bids</strong></td>
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<td><strong>Pre-Bid Conf</strong></td>
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<td><strong>Receive Bids</strong></td>
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<tr>
<td><strong>Sound Barrier</strong></td>
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<tr>
<td><strong>Construction Complete</strong></td>
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**Under way**
- Complete
- Late

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

Rt 250 / 29 Interchange

Work this week
• Wrap up final punch list items and close out construction
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection

Work this week

- Installation of sidewalks, curb and gutter
- Grade and seed outside slopes
- Complete Stormwater Facility 4 repair
- Wall installations
- Barrier walls and parapet walls
- Underdrain installation
- Barrier wall foundation installations
- Install conductor wire to light poles
- Install ground mounted signs
- Install CCTV pole and camera
- CenturyLink tie-in (east and west)
- Install light poles
- Install detection loops
- Signal fiber installation
Rt 29 Solutions

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

- Installation of sidewalks, curb and gutter
- Grade and seed outside slopes
- Wall installations
- Cut and cap ACSA 8” water main
- Install Stormwater Facility 6 frames and covers
- Barrier walls and parapet walls
- Lane striping
- Base mix paving NB and SBL thru lanes
- Complete underdrain installation
- Barrier wall foundations
- Thru lane barrier wall installations
- Install conductor wire to light poles
- Install ground mounted signs
- Install remaining pedestrian lighting
- Re-install traffic detection at Rio
- Signal testing and commissioning
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Rio Grade-Separated Intersection (continued)

Anticipated significant upcoming lane closures (nighttime)

• 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)

Rt 29 Widening

Work this week

- Wire wall 2 construction
- Rip Rap and erosion control for 15-20, 7-5
- Pond 2 excavation and fill
- Cross-drainage installation
- Grade subgrade north of Ashwood Boulevard
- Install curb backup material
- Asphalt paving near Ashwood Boulevard
- Northern waterline crossing of Rte. 29
- Complete gas main relocation
- Jack and bore 11-4, 12-20, 11-1 (mobilization)
- Underdrain installation
- Relocate aerial telecom lines to new DVP poles
Agenda item 6: 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 6: Rt 29 Solutions Project Updates (continued)

Rt 29 Widening (continued)

Work next two weeks

• Wire wall 2 construction
• Pond 2 drainage structures
• Install structures 6-6 to 6-7
• Rip Rap structure 11-4
• Grade north of Ashwood
• Paving near Ashwood Boulevard
• Structure 11-4 end wall installation
• Structure 15-21 installation
• Jack and bore 12-20, 11-1
• Relocate aerial telecom lines to new DVP poles
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

• General erosion control
• Excavation south of river
• Excavate ponds 1 and 5
• Place and compact embankment along alignment
• Form pier 2, column 1
• Abutment B MSE panels
• Drill and shoot on north end of alignment
• Sanitary sewer casing
• Install structures 14-6, 14-10, 14-9
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

• General erosion control
• Excavation south of river
• Excavate ponds 5
• Place embankment
• Pour pier 2, column 1
• Abutment B MSE panels
• Install structure 19-2 to 19-3
• Abutment A drainage
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

• Fielder’s Choice begins construction
• Mobilization
• Continue with utility relocations for service to commercial buildings
• Continue utility relocations (DVP, CenturyLink & Comcast)
Rt 29 Solutions

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

Hillsdale Extended (continued)

Work next two weeks

- Continue with utility relocations for service to commercial buildings
- Continue utility relocations (DVP, CenturyLink & Comcast)
- Receive baseline schedule from contractor
- Establish trailer and laydown area
## Interim Milestones: Progress as of July 5, 2016

<table>
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<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>
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<tr>
<td>Fashion Square signal removed</td>
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<tr>
<td>Utilities permanently relocated</td>
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<tr>
<td>Stormwater management systems functional</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>Directional arrows</td>
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<td>Signals operational</td>
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<td>Attenuators in place</td>
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<td>All turning movements open</td>
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<td>All through movements open</td>
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</table>
Agenda item 8: Review Recent Signal Timing Changes (as necessary)

Adjustments reviewed at Jun 23 PDAP

**Woodbrook Drive**
On May 25:
- Added 5 seconds green time to Woodbrook EB
- Added 1 second green time to Woodbrook WB
- Reconfigured lead-lag sequence

**Fashion Square - Rt 29**
On June 17:
- Added 4 seconds of green time exiting Fashion Square (weekends only)

**Update since Jun 23 PDAP**
- Added 4 seconds of green time to SB left turn into Fashion Square
Rt 29 Solutions

Agenda item 9: PDAP Calendar 2017

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

PDAP Options for 2017
• Schedule bi-weekly meetings through Oct 2017
• Schedule bi-weekly meetings Jan, Feb and Mar, then reassess
• Schedule monthly meetings Jan, Feb and Mar, then reassess
• 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 10: New Business and Wrap Up
Agenda item 11: Adjourn
Rt 29 Solutions Project Delivery Advisory Panel

July 7, 2016