Rt 29 Solutions Project Delivery Advisory Panel

December 1, 2016
Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team
Agenda item 2: Interaction and Feedback

Live Streaming

<table>
<thead>
<tr>
<th></th>
<th>Nov 17, 2016</th>
<th>Nov 3, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unique Viewers:</td>
<td>23</td>
<td>34</td>
</tr>
<tr>
<td>Streams:</td>
<td>24</td>
<td>42</td>
</tr>
<tr>
<td>Average Minutes per stream:</td>
<td>59</td>
<td>26</td>
</tr>
</tbody>
</table>
Agenda item 2: Interaction and Feedback (continued)

For the period Nov 14, 2016 - Nov 29, 2016

Inbox email and phone calls: 11 emails and phone calls

• 1 referenced a tractor trailer accident on Route 29 widening and confusion over lane designations and suggested adding an arrow board where lanes merge. (Arrow board and PCMS message that right lane ends and Shift Left signs were added)

• 2 commented that Berkmar webcam is not working. (back online Nov. 29)

• 1 suggested that “lane ends” sign be removed from Route 29 NB at Hilton Heights now that lane is open. (sign was covered last week)
Agenda item 2: Interaction and Feedback (continued)

For the period Nov 14, 2016 - Nov 29, 2016

Inbox email and phone calls: 11 emails and phone calls

• 1 former skeptic appreciates the new traffic design and flow at Rio.

• 5 commented that construction has rendered entrance from Route 29 into Forest Lakes South (Ashwood Boulevard) dangerous. (Construction barrels have been adjusted, pavement markings will be altered and skip lines will be added at Ashwood Boulevard - work was completed Nov 29)

• 1 requested illuminating the Ashwood Boulevard entrance. (Once project complete, will be illuminated. Not possible currently with the temporary configuration.)
Agenda item 2: Interaction and Feedback (continued)

For the period Nov 14, 2016 - Nov 29, 2106 (continued)

City of Charlottesville - Hillsdale

- 1 suggested construction area be cordoned off for safety (Added 3 No Trespassing signs and 3 Do Not Enter signs. Orange fencing previously in place.)

Web Provide Input: No new postings

Project Hotline 844-220-5540: No calls
Agenda item 3: Report on Panel Feedback

Wall staining colors at Rio GSI

<table>
<thead>
<tr>
<th>&quot;Stone&quot; Color</th>
<th>Application 1 (10%)</th>
<th>Application 2 (30%)</th>
<th>Application 3 (30%)</th>
<th>Application 4 (30%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Base Layer Gray</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2 Bright Gray</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Red</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Tan</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>5 Brown</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>6 Mixture of Red and Brown</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Note - Coping and Pilasters received Base Layer Gray only.
Agenda item 4: Panel Feedback and Suggestions for Future Agenda Items

Open Discussion
<table>
<thead>
<tr>
<th>Status as of Nov 30, 2016</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>July</td>
<td>August</td>
</tr>
<tr>
<td><strong>Rio Road GSI</strong> Dec 2, 2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lighting (95%) 100%</td>
<td></td>
<td></td>
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<tr>
<td>Wall Staining (80%) 100%</td>
<td></td>
<td></td>
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<tr>
<td>Landscape &amp; Hardscape (95%) 100%</td>
<td></td>
<td></td>
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<tr>
<td>Temp Crossover Removal (60%) 100%</td>
<td></td>
<td></td>
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<tr>
<td>Full Paving (40%) 100%</td>
<td></td>
<td></td>
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<tr>
<td><strong>Rt. 29 Widening</strong> Oct 31, 2017</td>
<td></td>
<td></td>
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<tr>
<td>Temporary Signals 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waterline Relocation (15%) 20%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jack &amp; Bore (90%) 95%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas Relo 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phase 1 paving 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phase 2 Grading, Drainage and Paving (98%) 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phases 3 and 5 Grading, Drainage and Paving (80%) 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Berkmar</strong> Oct 31, 2017</td>
<td></td>
<td></td>
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<tr>
<td>Roadway Construction South of River (75%) 80% (continues through Jul 2017)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roadway Construction North of River (85%) 90%</td>
<td></td>
<td></td>
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<tr>
<td>Pier Construction (95%) 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deck Construction (50%) 70%</td>
<td></td>
<td></td>
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<tr>
<td>Steel Girder Erection (33%) 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parapets, Abutment Slabs, and Railing 0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sanitary Sewer Relocation 100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hillsdale</strong> Oct 31, 2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utility Relocation (90%) 100%</td>
<td></td>
<td></td>
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<tr>
<td>Partial Building Demolition (70%) 100%</td>
<td></td>
<td></td>
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<tr>
<td>Bridge Substructure (30%) 50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Retaining Wall at Pepsi (20%) 35%</td>
<td></td>
<td></td>
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<tr>
<td>Greenbrier Signal Infra 0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under way</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Late</td>
<td></td>
<td></td>
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<tr>
<td>( % ) %complete prior reporting period</td>
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Agenda item 6: Rt 29 Solutions Project Updates

Rio Grade-Separated Intersection

Work this week
• Complete punchlist items
• Final aerial signal inspections
• Final walk-through
• Project completion and close-out

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

Rt 29 Widening

Work this week

- Excavation and embankment for Phase 4
- Curb and ditch construction
- Erosion control installation and maintenance
- Finalize east side of structures 8-1 and 12-20 (near Ashwood Boulevard and South Hollymead)
- Phase 4 drainage installations
- Phase 4 water main relocation
- Jack and bore 9-2 and 11-1 (near Ashwood Boulevard and South Hollymead)
- Underdrain installations
- Install SB permanent ground-mounted signs
Rt 29 Solutions

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

Rt 29 Widening (continued)

Work next two weeks

- Pond 3 excavation (at Ashwood Boulevard)
- Curb construction and ditch excavation
- Placement of embankment material
- Erosion control maintenance
- Finalize structures 8-1 and 12-20 (near Ashwood Boulevard and South Hollymead)
- Various culvert installations
- Phase 4 asphalt demolition and milling
- Water main relocation
- Jack and bore structures 9-2 and 11-1 (near Ashwood Boulevard and South Hollymead)
- Underdrain installation
Rt 29 Solutions

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

Berkmar Extended

Work this week

- Erosion control maintenance
- Place stone and fine grade at Towncenter
- Push to fill north of bridge
- Grade shared-use path
- Bidwell dry run
- Deck pours 1 and 2
- Deck cleaning
- Abutment A and B drainage
- Drainage from Abutment A south
- Underdrain installation at Towncenter
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Significant lane closures this week

• Flagging operation along Rio Mills Road as necessary
Rt 29 Solutions

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

Berkmar Extended (continued)

Work next two weeks

- Erosion control maintenance
- Fine grading stone
- Fine grade shared-use path
- Cut to fill north of Abutment B and south of Abutment A
- Deck pours 3, 4, and 5
- Drainage installations south of abutment A and at Abutment B
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Berkmar Extended (continued)

Anticipated upcoming significant lane closures

- Closure of Rio Mills Road Dec 5 and 6 for deck pour overhead of roadway
Agenda item 6: Rt 29 Solutions Project Updates (continued)

Hillsdale Extended

Work this week

• Modular wall excavation/undercut between Pepsi and USPS
• Place modular wall leveling pad
• Backfill along modular retaining wall
• Form Abutment B footers

Significant lane closures this week

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

Hillsdale Extended (continued)

Work next two weeks

- Modular wall excavation/undercut between Pepsi and USPS
- Modular wall leveling pad
- Backfill modular wall
- Architectural Panel form/pour
- Form, tie steel, place concrete for Abut B
- Form, tie steel, place concrete for Abut B wing walls
- Rough/fine grade and underdrain at Homewood Suites
- Pour Curb at Homewood Suites
- Storm Structure 4-2 installation
- Exterior building walls at Seminole Square

Anticipated upcoming significant lane closures

- None
Agenda item 7: Accident Report Update

Joel DeNunzio
07/19/2015 – 08/31/2015 v. 07/19/2016 – 08/31/2016

PERSONS INJURED

TOTAL CRASHS

07/19/15 - 08/31/15

07/19/16 - 08/31/16
07/19/2015 – 08/31/2015
Agenda item 8: New Business and Wrap Up

Agenda item 9: Adjourn