Rt. 29 Solutions Project Delivery Advisory Panel

March 19, 2015
Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team

Lane Corman Joint Venture
Agenda item 2: Interaction and Feedback

Live Streaming - Feb 19 PDAP

- Unique Viewers: 55 (Feb 5; 41)
- Streams: 128 (Feb 5; 137)
- Average Minutes per stream: 51 (Feb 5; 23)
Agenda item 2: Interaction and Feedback (continued)

11 new comments submitted via e-mail at route29solutions.org Feb 17 - Mar 16

60 new postings on route29solutions.org Feb 17 - Mar 16

Most comments and posts relate to project selection, not project delivery.

A few commented on features of the John Warner Parkway.

A couple deal specifically with delivery of the Rt. 29 Solutions projects:

- Use the term “Quarters” for the quadrants
- Incorporate green elements into the Rio intersection

There were not any comments on the 30% design submitted through route29solutions.org. (PDAP comments follow beginning on slide 6.)
Agenda item 3: Report on PDAP Feedback (from Feb 19 PDAP meeting)

Shift temporary crossover near Myers Dr to the south, permit u-turns during construction, but no lefts from 29 NB to Myers Dr., retain right-in, right-out at Myers Dr.

- This shift will be made.

If funds available, consider 4-lane structure for Berkmar Extension

- Funds are not available (report on cost v. budget is Agenda item 8).
Agenda item 3: Report on PDAP Feedback (continued)

PDAP member comments on 30% design submission

Morgan: comments 1 - 6
Pete: comment 7
Karen and Simon Properties: comments 8 - 17

1. It would be helpful to see an official proposed crosswalk layout included in the plans.

• Crosswalks will be shown on roadway and bridge plans for 60% submission
2. How will traffic signals be managed at Rio/Rt 29 for lanes shift occurring for Phase I daytime and Phase I nighttime work?

- The operation of traffic signals during construction will be included in the 60% submission.

3. Will detour routes be publicized and marked during Phase I nighttime work?

- Detour routes are not expected to be needed for nighttime work. A final traffic analysis will determine final requirements.
Agenda item 3: Report on PDAP Feedback (continued)

4. At the temporary Berkmar crossover, is a single left-turn lane from Berkmar to 29 NB and from 29 NB to Berkmar sufficient?

- An intersection analysis before the 60% design submission will determine the requirements for turn lanes and storage lengths at the Berkmar temporary crossover.

5. Are Phase 3 lane closures restricted to nighttime hours?

- Yes.
6. When will the architectural details for the face of the retaining walls and bridge be available?

• Preliminary architectural details will be included in the 60% submittal.

7. The northern project limit is currently shown near Myers Dr. Confirm that additional left-turn stacking capacity will be added to the Woodbrook intersection.

• The project limits are being revised to agree with the RFP concept plans. An intersection analysis will determine the requirements for turn lanes and storage lengths at both Woodbrook and Twentyninth Place and those requirements will be included in the 60% design submission.
8. The project limits seem to have changed from the RFP concept plans. Will this inhibit improvements to the traffic signal and turn lane to the southern Fashion Square Mall entrance?

- The contractor will revise the project limits to agree with the RFP. The contract includes the requirements for a traffic analysis that will set requirements for signal timing and left-turn lane storage lengths.

9. Will the results of the traffic analysis require dual left turn lanes which would require additional improvements on Fashion Square Mall property?

- Traffic analyses performed to date do not indicate a need for dual left turns. VDOT would not construct a dual left turn to an entrance designed to receive a single left turn.
10. Is there a gap in the easements shown near station 52+00?

- There are not any gaps between right-of-way lines and easements. In some cases there are overlapping easements to comply with VDOT policy.

11. How tall is the retaining wall in front of the Fashion Square property and is the Mall property higher than the retaining wall?

- The wall is about 3.5 feet tall. The Mall property sits higher than the roadway and the exposed face of the wall is on the roadway side. Cross section sheets for the retaining wall were sent to Simon Properties.
12. Is the proposed stormwater management easement on the Belk property no longer required?

• Correct. The Belk property easement is no longer required.

13. The northern Fashion Square right-out exit necks down from 3 lanes to a single right turn lane to 29 NB. This may require proper channelization.

• VDOT will require the contractor to design and construct any reconfiguration of the entrance.
Agenda item 3: Report on PDAP Feedback (continued)

14. Can the drainage structure at the northern entrance / exit be relocated to the roadway storm sewer system?

• Yes. VDOT will advise the contractor to relocate the structure.

15. Will a queue analysis be performed to determine if vehicles will be able to exit the Mall during the peak hour?

• Yes, the contractor is required to prepare a queue analysis to ensure that traffic does not back up to the Mall’s ring road.
Agenda item 3: Report on PDAP Feedback (continued)

16. Will the signal timing at the Mall’s south entrance be designed to allow vehicles to make the left turn movement to 29 SB without queueing into the Mall’s ring road?

• Yes.

17. What is the plan submittal schedule?

• 60% plans are scheduled to be submitted on June 24, 2015. Final plans are scheduled to be submitted on August 7, 2015.
Agenda item 4: Panel Feedback and Suggestions for Future Agenda Items

Open Discussion
Route 29 Solutions

Agenda item 5: Design-Build RFP and Contracts Status

Design-Build (DB) Request for Proposals and Contracts Status 2015:

- DB technical proposals due: Jan 6 ✔
- Rt. 250 / 29 Interchange to CTB for award: Jan 14 ✔
- DB price proposals submitted: Jan 20 ✔
- Open DB price proposals: Jan 21 ✔
- Notice of intent to award DB projects: Jan 23 ✔
- FHWA review and approval DB projects: Jan 26-Jan 30 ✔
- Rt. 250 / 29 Interchange Notice to Proceed: Feb 16 ✔
- DB projects to CTB for award: Feb 18 ✔
- DB projects Notice to proceed: Mar 4 ✔

DB procurement process is complete. Item will be removed from the standing agenda.
Agenda item 6: Rt. 29 Solutions Updates

Rt. 250 / 29 Interchange

Adaptive Signal System

Hillsdale Extension

Rt. 29 Widening

Berkmar

Rio Grade Separated Intersection
Agenda item 7: Community Assistance and Engagement Program

Update
  • Chip Boyles
  • Mark Graham
## Agenda item 8: Design-build project cost v. SYIP project budget

**Total DB Cost:** $185.5

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<tr>
<th>Description</th>
<th>Cost</th>
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<tr>
<td>Bid</td>
<td>$116.7</td>
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<tr>
<td>RW / Utilities</td>
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<td>Contingencies</td>
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<td>Inspection</td>
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<td>Engineering</td>
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<td>State Police</td>
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**Total Budget:** $185.5
Agenda item 9: Utility Easement Status

Update
  • Dave Covington
Agenda item 10: Place Naming Background Research

- Similar to previous major VDOT projects, VDOT is using Southeastern Institute of Research, Inc. (SIR) to conduct an independent benchmark study regarding the Route 29 Solutions projects.
- The research is not about project selection.
- This research will track awareness, understanding and behavioral change throughout the delivery of the Route 29 Solutions projects.
- The research also provided an opportunity to assess Route 29 and Rio Road intersection place naming.
- SIR will join us for the Apr 2 PDAP meeting to present their independent findings.
Route 29 Solutions

Agenda item 11: Lane-Corman Joint Venture Introduction and Status

Organization

Key team leaders

Design status and current work

Key milestones schedule
Note: Non-Key Personnel subject to change
Key Team Members

- Ken Prince, PE   Lane Corman Project Sponsor
- Ryan Gorman, PE   Lane Corman Responsible Charge Engineer
- Wallace Alphin   Lane Corman Project Manager
- Barry Bernstein, PE   Lane Corman Construction Manager
- David Colbert   Lane Corman Quality Control Manager
- Stephanie Powers   Lane Area Safety Manager
- Avtar Singh, PE   CES Consulting Quality Assurance Manager
- Owen Peery , PE   RK&K Project Design Manager
- Ryan Masters, PE   RK&K Element Leader (Rio)
- Michael Russell, PE   WRA Element Leader (Berkmar Drive)
- John Giometti, PE   RDA Element Leader (29 Widening)
- Chris Reed   RDA Public Relations Manager
Design Status and Current Work

Early works design status:

• Rio Road 30% (Submitted Mar 5)
• Rio Bridge 30% (Submitted Mar 5)
• Rio Road MOT and Erosion 30% (Submitted Mar 5)
• Design Started 29 Widening and Berkmar

Current Field investigation status, all Projects:

• Geotechnical Drilling
• Utility Test Holes
• Survey stakeout
• Wetland and Stream Delineation
• Cultural Resource Survey
Quality Overview

Communications
• Preparatory Inspection Meetings
• Monthly Progress Meetings
• On-site Progress and Issue Resolution Meetings
• Weekly QC/QA Staff Meetings

Inspections
• Preparatory Phase Inspections
• Intermediate Phase Inspections
• Completion Inspections
• Punch-out Inspections
## Safety Overview

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<th>Description</th>
<th>Industry</th>
<th>2014</th>
<th>2014</th>
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<tr>
<td><strong>EMR</strong></td>
<td>Experience Modification Rate</td>
<td>1.0</td>
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<td><strong>RIR</strong></td>
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<td><strong>LWDCIR</strong></td>
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# Milestone Dates

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<th>Milestone Date</th>
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<tr>
<td>Notice of Intent to Award</td>
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<tr>
<td>CTB Approval / Notice of Award</td>
<td>February 18, 2015</td>
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<tr>
<td>Design-Build Contract Execution</td>
<td>March 3, 2015</td>
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<td>Notice to Proceed</td>
<td>March 4, 2015</td>
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<tr>
<td>Scope Validation Period Complete</td>
<td>July 1, 2015</td>
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<tr>
<td>Start of Construction</td>
<td>September 12, 2015</td>
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<td>Start of Route 29/Rio Rd. 103 Day Closure Grade Separation Traffic Re-alignment &amp; Excavation</td>
<td>May 23, 2016</td>
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<td>Interim Milestone – Completion of US 29 &amp; Rio Rd Grade Separation</td>
<td>August 4, 2016</td>
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<td>(no later than September 2, 2016)</td>
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<td>Final Completion – Rio Road Grade Separation</td>
<td>December 2, 2016</td>
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<td>Final Completion – Route 29 Widening</td>
<td>October 30, 2017</td>
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<td>Final Completion – Berkmar</td>
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<td>Final Completion Date</td>
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Route 29 Solutions

Agenda item 12: New Business and Wrap Up
Agenda item 13: Adjourn
Rt. 29 Solutions Project Delivery Advisory Panel

March 19, 2015