



## **Rt. 29 Solutions Project Delivery Advisory Panel**

**March 19, 2015**



# Route 29 Solutions

## Agenda item 1: Introductions

**Project Delivery Advisory Panel**

**Technical Team**

**Lane Corman Joint Venture**



# Route 29 Solutions

## 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)



# Route 29 Solutions

## Agenda item 2: Interaction and Feedback (continued)

11 new comments submitted via e-mail at [route29solutions.org](http://route29solutions.org) Feb 17 - Mar 16

60 new postings on [route29solutions.org](http://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](http://route29solutions.org). (PDAP comments follow beginning on slide 6.)



# Route 29 Solutions

## 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).**



# Route 29 Solutions

## Agenda item 3: Report on PDAP Feedback (continued)

### PDAP member comments on 30% design submission

<b>Morgan:</b>	<b>comments 1 - 6</b>
<b>Pete:</b>	<b>comment 7</b>
<b>Karen and Simon Properties:</b>	<b>comments 8 - 17</b>

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

## Agenda item 3: Report on PDAP Feedback (continued)

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.



## Agenda item 3: Report on PDAP Feedback (continued)

**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.



# Route 29 Solutions

## Agenda item 3: Report on PDAP Feedback (continued)

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.



# Route 29 Solutions

## Agenda item 3: Report on PDAP Feedback (continued)

### 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.

## Agenda item 3: Report on PDAP Feedback (continued)

**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.**



# Route 29 Solutions

## 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.**



# Route 29 Solutions

## 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.



# Route 29 Solutions

## 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.





# Route 29 Solutions

## Agenda item 6: Rt. 29 Solutions Updates

**Rt. 250 / 29 Interchange**

**Adaptive Signal System**

**Hillsdale Extension**

**Rt. 29 Widening**

**Berkmar**

**Rio Grade Separated Intersection**



# Route 29 Solutions

## Agenda item 7: Community Assistance and Engagement Program

### Update

- Chip Boyles
- Mark Graham



# Route 29 Solutions

## Agenda item 8: Design-build project cost v. SYIP project budget

**Total DB Cost: \$185.5**

<b>Bid:</b>	<b>\$116.7</b>
<b>RW / Utilities:</b>	<b>\$ 22.9</b>
<b>Contingencies:</b>	<b>\$ 16.3</b>
<b>Inspection:</b>	<b>\$ 12.1</b>
<b>Incentives:</b>	<b>\$ 10.3</b>
<b>Engineering:</b>	<b>\$ 6.9</b>
<b>State Police:</b>	<b>\$ 0.3</b>

**Total Budget: \$185.5**



# Route 29 Solutions

## Agenda item 9: Utility Easement Status

### Update

- Dave Covington



# Route 29 Solutions

## 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

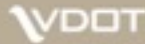
### Key team leaders

### Design status and current work

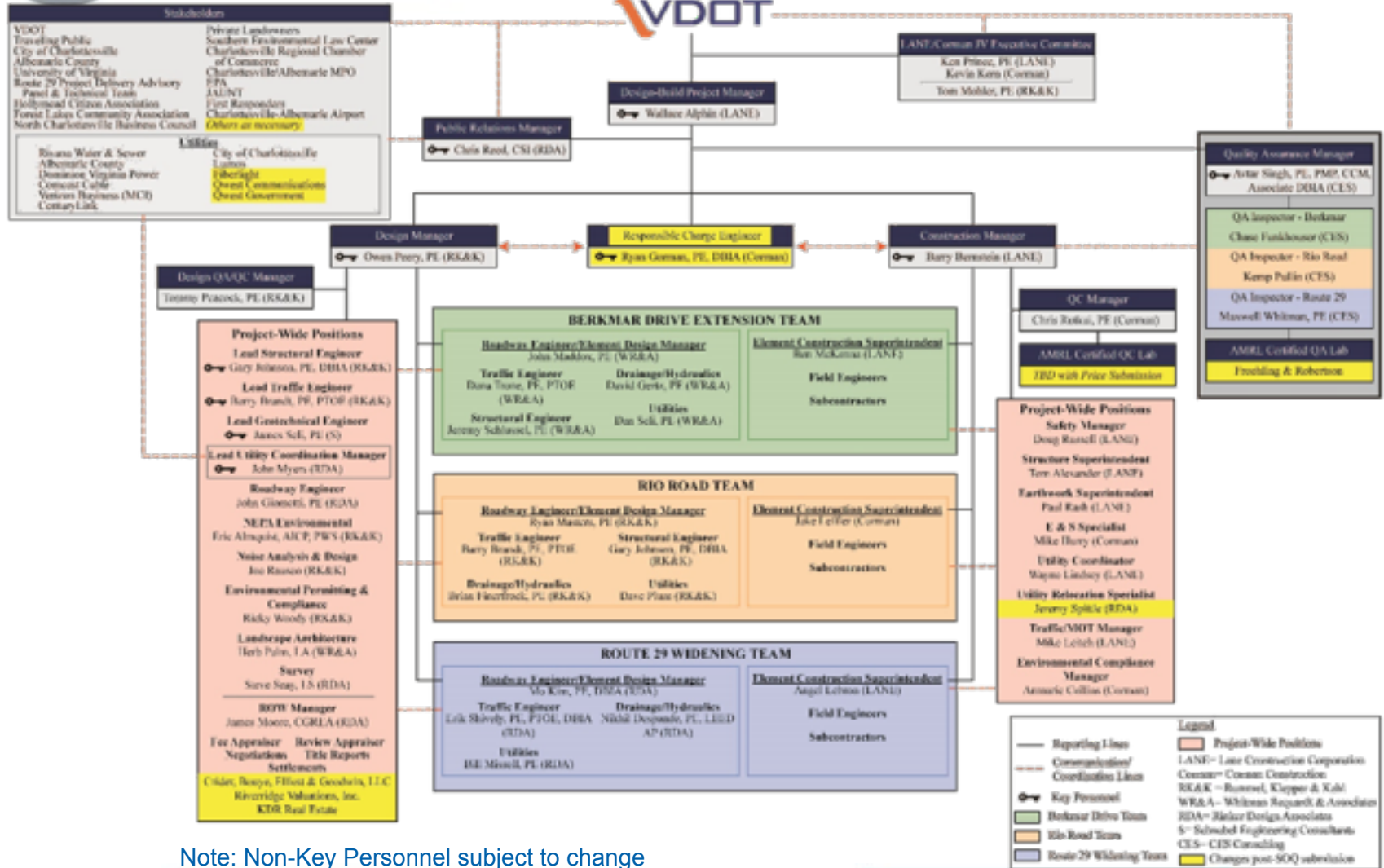
### Key milestones schedule



# Route 29 Solutions



# Team Organization



Note: Non-Key Personnel subject to change



## Key Team Members

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

		Industry	2014	2014
<i>Rate</i>	<i>Description</i>	<i>Average</i>	<i>LANE</i>	<i>Corman</i>
<i>EMR</i>	<i>Experience Modification Rate</i>	<i>1.0</i>	<i>0.56</i>	<i>0.74</i>
<i>RIR</i>	<i>Recordable Incident Rate</i>	<i>4.3</i>	<i>1.87</i>	<i>2.65</i>
<i>LWDCIR</i>	<i>Lost Work Day Case Incident Rate</i>	<i>1.5</i>	<i>0.15</i>	<i>0.44</i>
<i>DARTIR</i>	<i>Days Away, Restrictions, and Transfers Incident rate</i>	<i>2.3</i>	<i>0.88</i>	<i>1.54</i>



# Milestone Dates

Key Milestone	Milestone Date
Notice of Intent to Award	January 26, 2015
CTB Approval / Notice of Award	February 18, 2015
Design-Build Contract Execution	March 3, 2015
Notice to Proceed	March 4, 2015
Scope Validation Period Complete	July 1, 2015
Start of Construction	September 12, 2015
Start of Route 29/Rio Rd. 103 Day Closure Grade Separation Traffic Re-alignment & Excavation.	May 23, 2016
Interim Milestone – Completion of US 29 & Rio Rd Grade Separation	August 4, 2016 (no later than September 2, 2016)
Final Completion – Rio Road Grade Separation	December 2, 2016
Final Completion – Route 29 Widening	October 30, 2017
Final Completion – Berkmar	October 25, 2017
Final Completion Date	October 30, 2017



# Route 29 Solutions

## Agenda item 12: New Business and Wrap Up



# Route 29 Solutions

**Agenda item 13: Adjourn**



## **Rt. 29 Solutions Project Delivery Advisory Panel**

**March 19, 2015**