



Rt. 29 Solutions Project Delivery Advisory Panel

January 21, 2016



Route 29 Solutions

Agenda item 1: Introductions

Project Delivery Advisory Panel

Technical Team



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Agenda item 2: Interaction and Feedback

Live Streaming

	Jan 7, 2016	Dec 3, 2015
• Unique Viewers:	26	23
• Streams:	48	42
• Average Minutes per stream:	28	21



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Agenda item 2: Interaction and Feedback (continued)

For the period Jan 5, 2016 - Jan 18, 2016

Inbox comments: 5 (emails and calls to Lou Hatter)

- 1 from county fire and rescue for clarification on May 23 - Sep 2 Rio closure
- 1 regarding RW contact name and information on access to Albemarle Sq. during May 23 - Sep 2 period.
- 1 from Forest Lakes requesting information regarding Ashwood Blvd and the Rt. 29 Widening project
- 2 businesses requesting additional information for the May 23 - Sep 2 period



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Agenda item 2: Interaction and Feedback (continued)

For the period Jan 5, 2016 - Jan 18, 2016

Web Provide Input: 1 new comment and response

- Regarding condition of pavement in right-turn lane to Albemarle Square

Project Hotline 844-220-5540: 3 calls; 1 email

- 2 calls regarding signal timing at Hollymead
- 1 call regarding private property damage
- 1 from Forest Lakes regarding construction update



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Agenda item 3: Report on Panel Feedback

Rt. 29 accidents 2015 v. 2014

- Reviewed Oct 2015 v. 2014 information at Jan 7 PDAP
- November 2015 data not yet available for comparison
- Will continue to monitor and report



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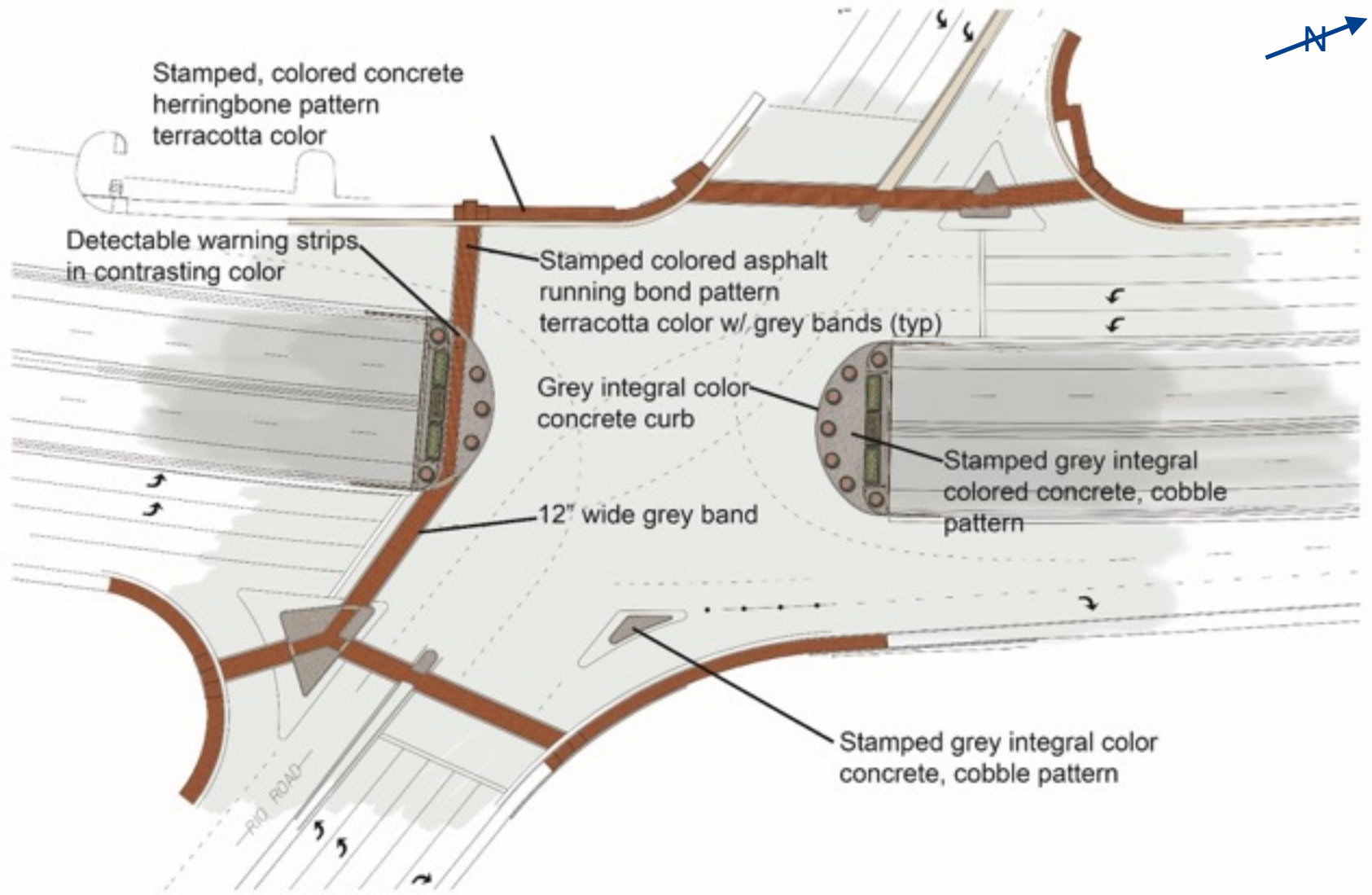
Agenda item 3: Report on Panel Feedback (continued)

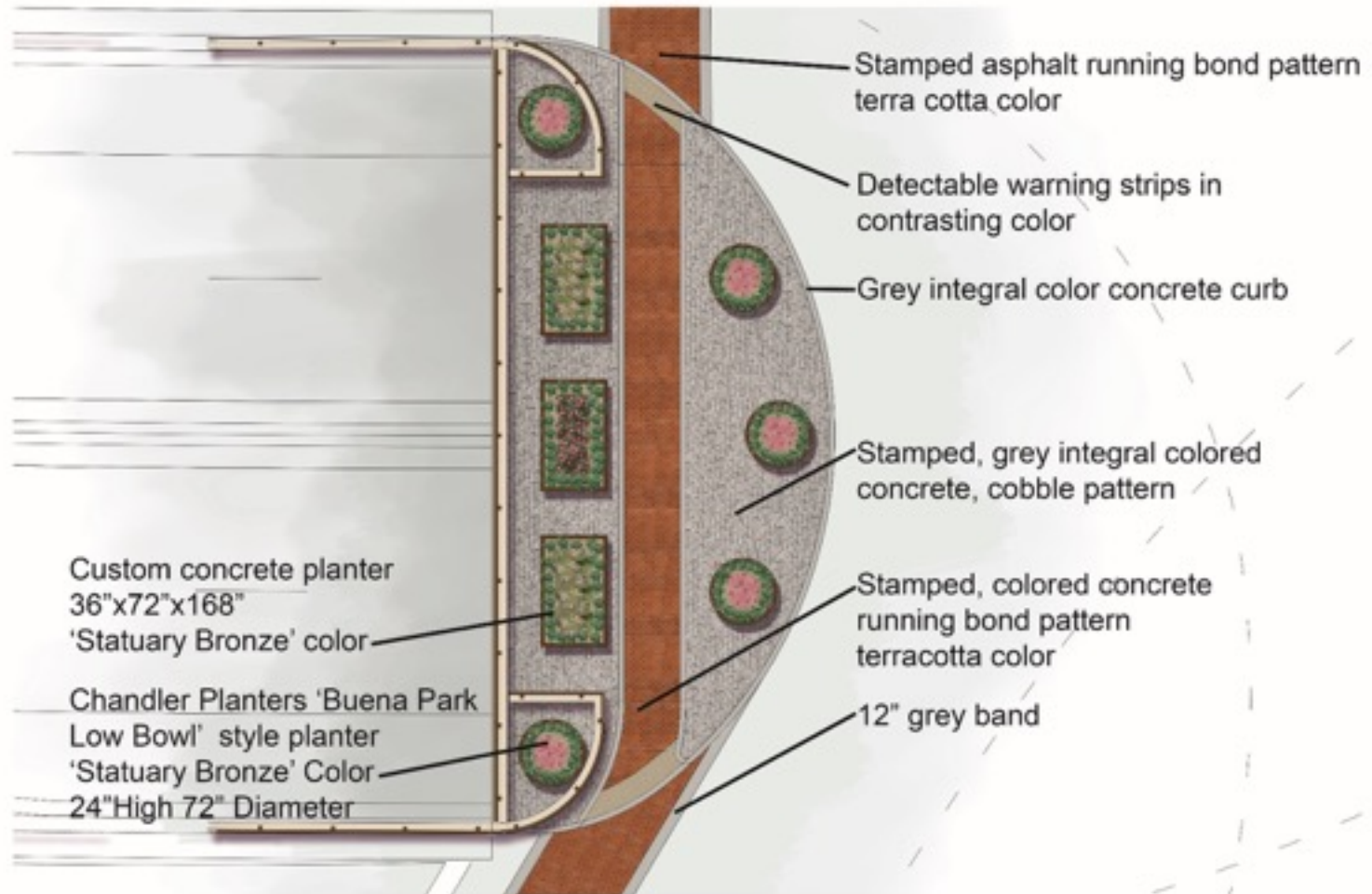
Staining of Rio GSI retaining walls and Best Buy ramp noise wall

- **We have the specific color specifications necessary to replicate stain pattern applied to McIntire Interchange**
- **Colors were mixed to produce 6 specific stains: Soapstone, Shale, Chalk, Pumice, Jasper and Canal Parkway Grey**

Rio GSI bridge landscaping details

- **Landscaping and planting elements will remain as designed**
- **Appropriate maintenance consideration should be incorporated into outsourced maintenance plan**
- **Plan examples follow on next page**





Median & Traffic Islands



Stamped Concrete
Brick Running Bond



Solomon Colors
'Terracotta'



Stamped Concrete
Cobble Pattern

Crosswalks



Stamped Asphalt
Brick Running Bond

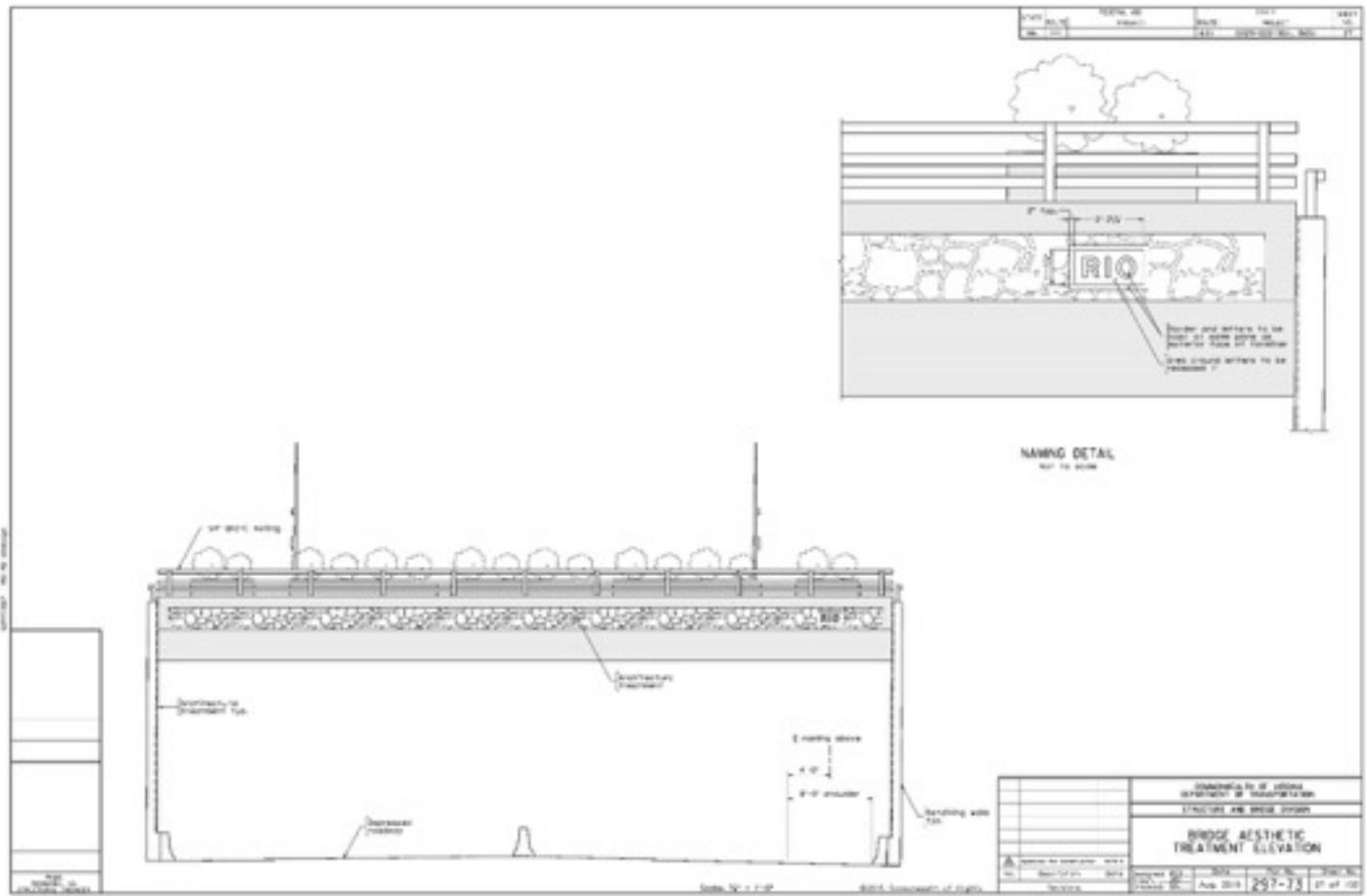
Planters

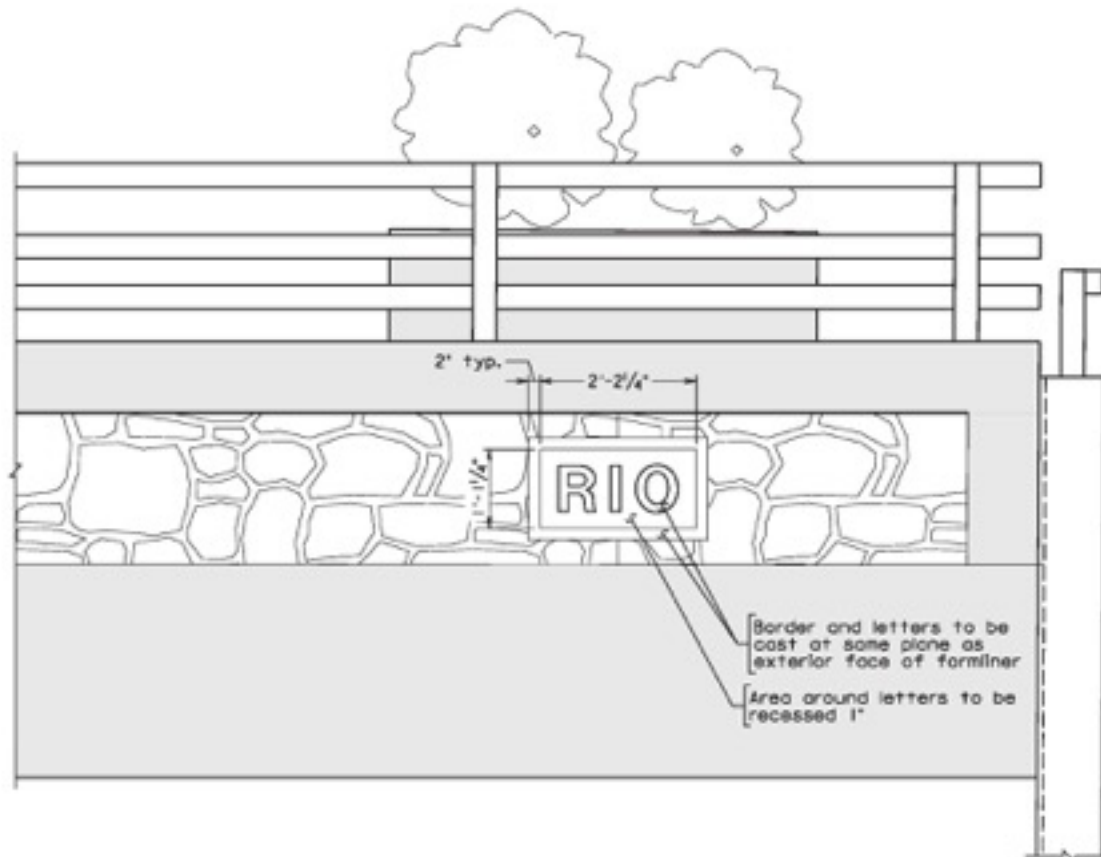


"Buena Park" Bowl



"Statuary Bronze"
Color







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

Open Discussion



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Agenda item 5: Construction Milestones

Status as of Jan 18, 2016	2015		2016											
	December	January	February	March	April	May	June	July	August	September	October	November	December	
Rio Road GSI Sep 2, 2016 Dec 2, 2016	Utility Relocation - 95%													
	Drive Abutment Piles - 100%													
	Set retaining wall piles and widen roadway - 40%						May 23 start - Rio Restricted Period - Sep 2 intersection open							Construction Complete
Rt. 29 Widening Oct 31, 2017	Temp. Signals	100%												
	Utilities relocation - 60%													
	ROW Acquisition - 80%													
	Phase 1 Grading and Drainage - 35%						Phase 1 Paving							
Berkmar Oct 31, 2017	ROW Acquisition - 40%													
	South Abutment Excavation - 90%				South Abutment Pile Driving									
	Rough Grading South of River - 40%													
	Utility Relocation - 0%													
Hillsdale Oct 31, 2017	ROW Acquisition - 10%													
	90% Plan Preparation - 90%		Final Design											
	Utility Relocation													
				Adv for Bids										
Rt. 29/250 May 21, 2016	MSE Wall - 100%													
	Pavement Widening - 30%													
	Final Paving - 0%													
	Sound Barrier - 10%						Construction Complete							

Under way

Complete

Late



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Agenda item 6: Rt. 29 Solutions Project Updates

Rt. 250 / 29 Interchange

Work this week

- Complete installation of pedestrian signals on Route 29
- Complete installation of under-bridge lighting
- Complete installation of sound barrier caisson foundations along Route 250 WB
- Continue installation of storm drainage structures in the median of Route 250
- Continue subgrade preparation along Route 250 WB
- Begin barrier removal along Route 250 WB
- Begin sound barrier post installation along Route 250 WB



Route 29 Solutions

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

Rt. 250 / 29 Interchange (continued)

Significant lane closures this week

- **Nighttime – Alternating short-duration closures on Route 29 NB and SB at Route 250 bridge**
- **Outside lanes of Route 250 EB and WB from Hydraulic to Barracks**
- **Ramp shoulder closures for storm drain installations**



Route 29 Solutions

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

Rt. 250 / 29 Interchange (continued)

Work next two weeks

- Complete installation of storm drainage structures in the median of Route 250
- Continue installation of storm drainage structures along the Barracks Road on ramp
- Continue installation of sound barrier posts along Route 250 WB



Route 29 Solutions

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

Rt. 250 / 29 Interchange (continued)

Anticipated significant upcoming lane closures

- **Outside lanes of Route 250 EB and WB from Hydraulic to Barracks**
- **Ramp shoulder closures for storm drain installations**



Route 29 Solutions

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

Rio Grade-Separated Intersection

Work this week

- Grading for underdrain, curb and gutter, and sidewalk in widening areas
- Storm drain construction
- Continue Fashion Square retaining wall
- Continue gas main relocation
- Complete CenturyLink splicing
- Install tie-back piles
- Install 4" fire department connection pipe
- Install test anchors (tie-back piles)
- Directional bores for signals (29th Place)
- Formwork for abutment A



Route 29 Solutions

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

Rio Grade-Separated Intersection (continued)

Significant lane closures this week (nighttime)

- Rio crossover closed at nighttime restricting thru movements and left turn movements. Right turns will be open.
- Rte. 29 triple lane closures northbound and southbound



Route 29 Solutions

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

Rio Grade-Separated Intersection (continued)

Work next two weeks

- **Grading for underdrain, curb and gutter, and sidewalk in widening areas**
- **Storm drain construction**
- **Continue Fashion Square retaining wall**
- **Continue gas main relocation**
- **Complete CenturyLink splicing**
- **Install tie-back piles**
- **Install 4" fire department connection pipe**
- **Install test anchors (tie-back piles)**
- **Directional bores for signals (29th Place)**
- **Formwork for abutment A**



Route 29 Solutions

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

Rio Grade-Separated Intersection (continued)

Anticipated significant upcoming lane closures (nighttime)

- Rio crossover closed at nighttime restricting thru movements and left turn movements. Right turns will be open.
- Rte. 29 triple lane closures northbound and southbound



Route 29 Solutions

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

Rt. 29 Widening

Work this week

- Place fill in median
- Temporary drainage structure installations
- Qwest Business (CenturyLink) directional bore for fiber relocation
- Dominion VA Power setting poles
- Fiberlight directional bores
- Temporary signal construction at Ashwood and Hollymead
- Clear area for stormwater management pond 3



Route 29 Solutions

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

Rt. 29 Widening

Significant lane closures this week (nighttime)

- **Route 29 left lane closure NB and SB**



Route 29 Solutions

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

Rt. 29 Widening (continued)

Work next two weeks

- Place fill in median
- Temporary drainage structure installations
- Qwest Business (CenturyLink) directional bore for fiber relocation
- Dominion VA Power setting poles
- Fiberlight directional bores
- Complete temporary signal construction at Ashwood and Hollymead
- Clear area for stormwater management pond 3



Route 29 Solutions

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

Rt. 29 Widening (continued)

Anticipated significant upcoming lane closures (nighttime)

- **Route 29 left lane closure NB and SB**
- **Periodic short-term total closure for temporary signal construction**



Route 29 Solutions

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

Berkmar Extended

Work this week

- Grading for abutment A
- Continue excavation and hauling to 29 Widening
- Erosion control improvements

Significant lane closures this week

- None



Route 29 Solutions

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

Berkmar Extended (continued)

Work next two weeks

- Grading for abutment A
- Mobilize crane to abutment A
- Continue excavation and hauling to 29 Widening
- Erosion control improvements

Significant upcoming lane closures

- None



Route 29 Solutions

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

Signal Updates (project list included as Agenda item 7)

Work this week

- Begin design on signal improvements

Significant lane closures this week

- None

Work next two weeks

- Design of signal improvements and contract task order development

Significant upcoming lane closures

- None



Route 29 Solutions

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

Hillsdale Extended

Work this week

- **Conference call with project team 1/19 9:00 am**
- **90% Plan design**
- **Stage II Bridge plan design**
- **Finalize title examinations and appraisal work**
- **Continue making offers to property owners**
- **Finalize MOU with County for SWM Basin**
- **Submit demolition plan for commercial building to VDOT for review (received 1st draft Jan 19)**



Route 29 Solutions

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

Hillsdale Extended (continued)

Work next two weeks

- Conference call with City 1/25 @ 9:00 am
- 90% Plan design – due Jan 28th
- Stage II Bridge plan design – due Jan 28th
- VDOT to provide comments on demolition plan to City no later than Jan 28



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Agenda item 7: Signal improvement projects near Rt. 29 and Rio Road

Intersection	Improvements	PCCTV Location
Hydraulic/Georgetown	Replace controller and MMU, install broadband, install video converter	No
Barracks/Georgetown	Replace controller and MMU, install broadband	Possible
Hydraulic/Earlsville	Replace controller and MMU, install broadband	Yes
Hydraulic/Lambs	Replace controller and MMU, install broadband	Yes
Hydraulic/Commonwealth	Replace controller and MMU, install broadband	No
Rio/Berkmar	To be re-constructed with Rio GSI	No
Rio/Hillsdale	Replace cabinet, replace controller and MMU, install broadband	Yes
Rio/Greenbrier	No improvements	No
Commonwealth/Greenbrier	No improvements	No
Berkmar/Woodbrook	Re-constructed fall of 2015	No
29-250 Bypass/Barracks	Replace controller and MMU, install broadband	No
Rio/Pen Park	No improvements	No
Rio/Four Seasons	Replace controller and MMU, install broadband	No
Rio/Catec	No improvements	No
Hydraulic/Cedar Hill	Replace controller and MMU, install broadband	No
Total upgrade cost estimate	\$125,000	
MMU = Malfunction Management Unit		
PCCTV = Portable Closed Circuit Television Camera		



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Agenda item 8: Selection of Ground-Mounted Sign Design for Rio GSI

Reviewed initial concepts at Apr 30, 2015 PDAP meeting

Sign content to be finalized after Placemaking exercise was completed

PDAP concurred in *Rio* as general name at Dec 3, 2015 meeting

Ground-mounted signs must comply with VDOT and Federal standards

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Agenda item 8: Selection of Ground-Mounted Sign Design for Rio GSI (continued)





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Agenda item 9: Business Assistance Subcommittee Update

Chip Boyles



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Agenda item 10: New Business



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Agenda item 11: Adjourn



Rt. 29 Solutions Project Delivery Advisory Panel

January 21, 2016