



## **ROUTE 29 / NEW BALTIMORE ADVISORY PANEL MEETING #4**

**October 25, 2018**



## Rt. 29 New Baltimore Advisory Panel

### Agenda, Meeting #4

October 25, 2018  
1 p.m. – 3 p.m.

1<sup>st</sup> Floor Conference Room of the Warren Green Building, 10 Hotel Street, Warrenton

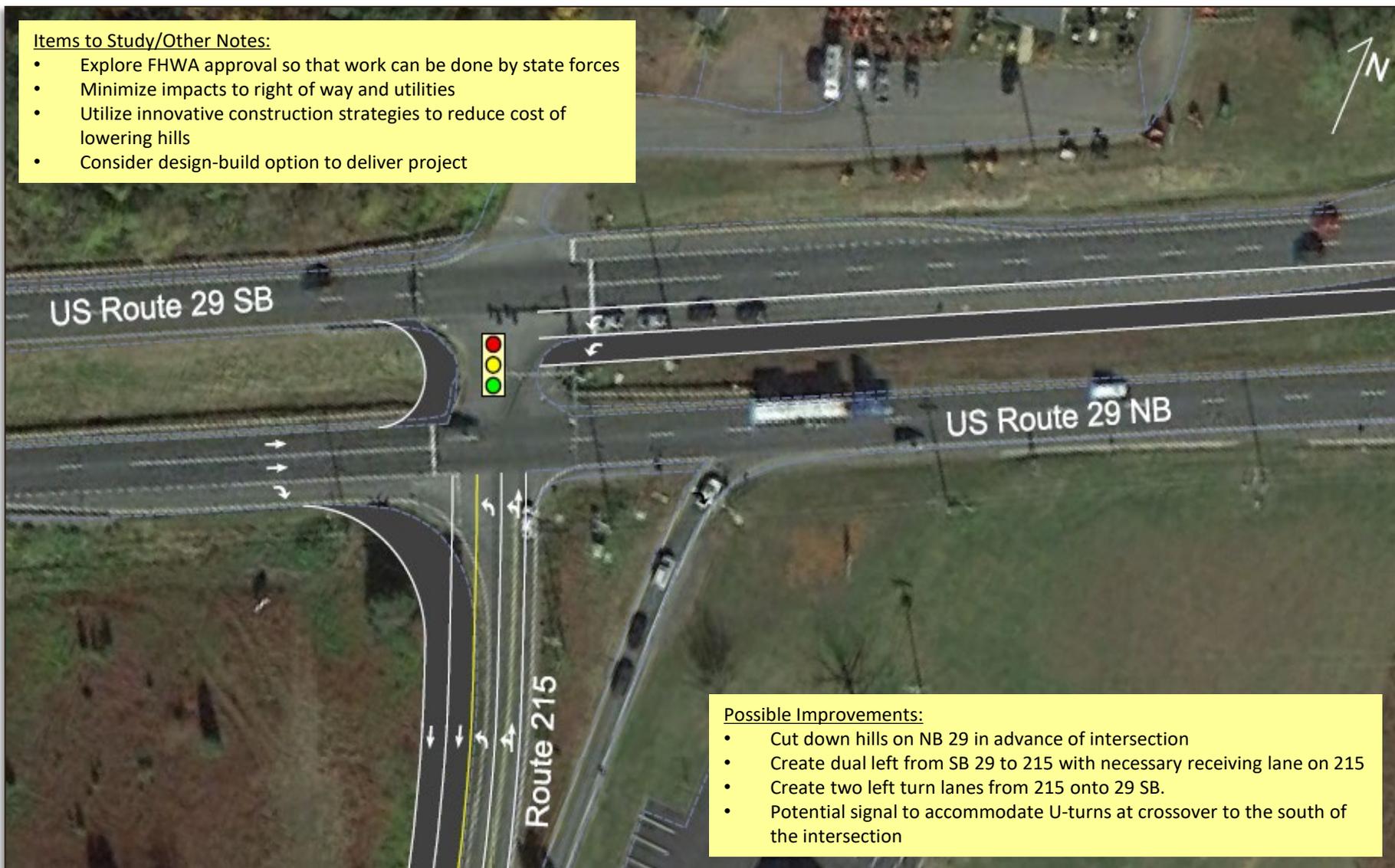
1. Introductions/ Panel Comments 5 minutes
2. Meeting #3 Summary - Review of Minutes 5 minutes
  - a. Interests Defined
    - i. Safety (traveling public, pedestrians)
    - ii. Throughput (local, through and commuting traffic)
    - iii. Access/convenience (getting to/from business/residence)
    - iv. Economic Development/Success
    - v. Home & Property Values
    - vi. Historical
    - vii. Environmental
3. Route 29/Route 215 (Vint Hill Rd.) Concept 30 minutes
  - a. Intersection Layout
  - b. Regrading to Improve Sight Distance
4. Route 29/Route 600 (Broad Run Church Rd.) Concept 30 minutes
  - a. Intersection Layout
5. Meeting Calendar – monthly, time, location 10 minutes
  - November 29, 2018
  - January 24, 2019
  - February 28, 2019
  - March 28, 2019

*All meetings 1-3 p.m., Board of Supervisors Meeting Room  
Warren Green Building, 10 Hotel Street, Warrenton*
6. New business and wrap-up 5 minutes
7. Adjourn

# Meeting #3 Panel Input: Route 215 / Vint Hill Road

## Items to Study/Other Notes:

- Explore FHWA approval so that work can be done by state forces
- Minimize impacts to right of way and utilities
- Utilize innovative construction strategies to reduce cost of lowering hills
- Consider design-build option to deliver project



## Possible Improvements:

- Cut down hills on NB 29 in advance of intersection
- Create dual left from SB 29 to 215 with necessary receiving lane on 215
- Create two left turn lanes from 215 onto 29 SB.
- Potential signal to accommodate U-turns at crossover to the south of the intersection

# Meeting #3 Panel Input: Route 600 Broad Run Church Road

## Items to Study/Other Notes:

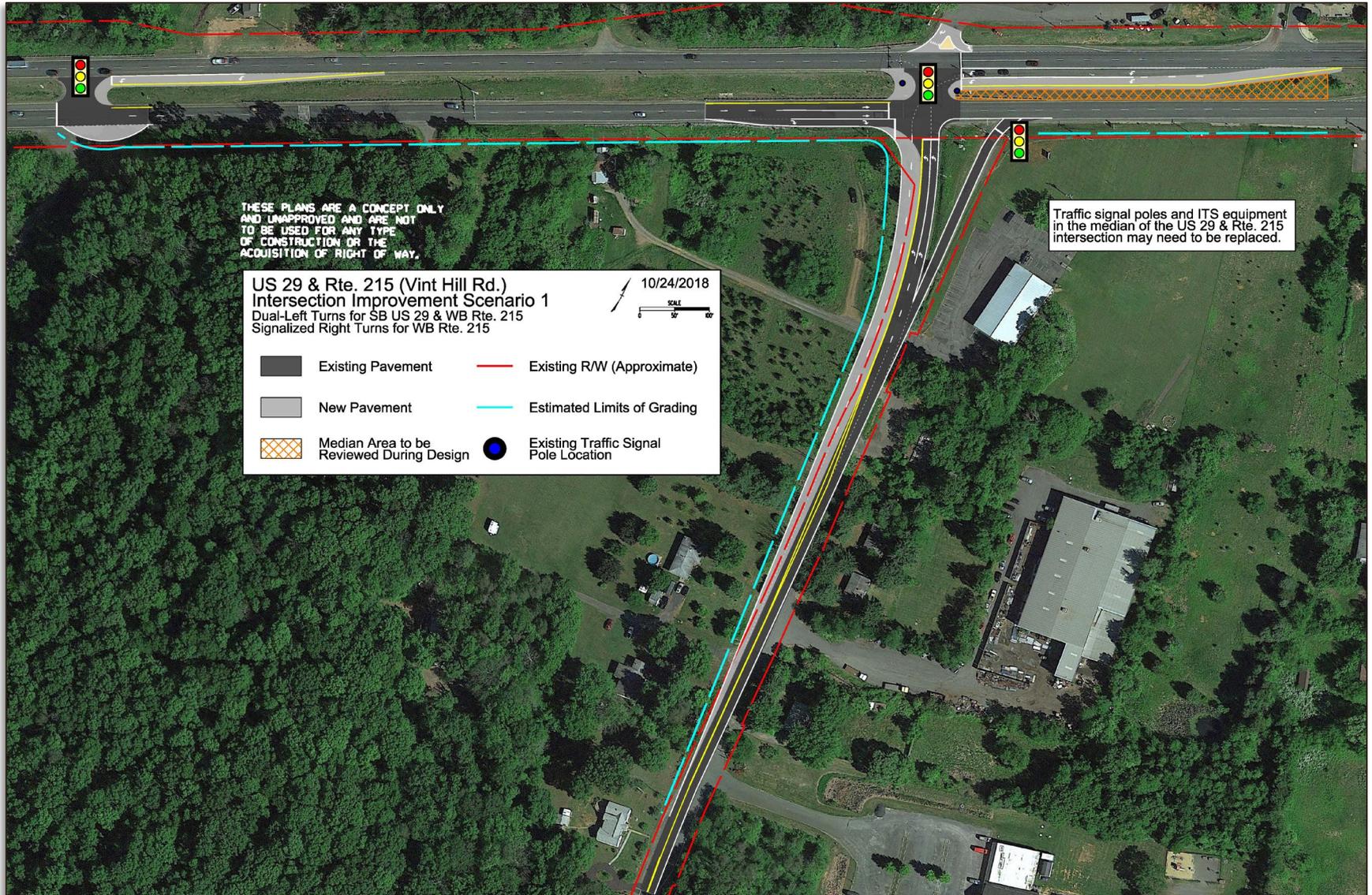
- Review traffic volumes to ensure enough turn lanes to accommodate school traffic whose peak hour may be different from US 29 peak
- Explore whether making improvements to be able to remove split phasing would have any safety benefit (potential for more left turn angle crashes from Route 600 but possibly fewer US 29 crashes due to congestion relief)

## Possible Improvements:

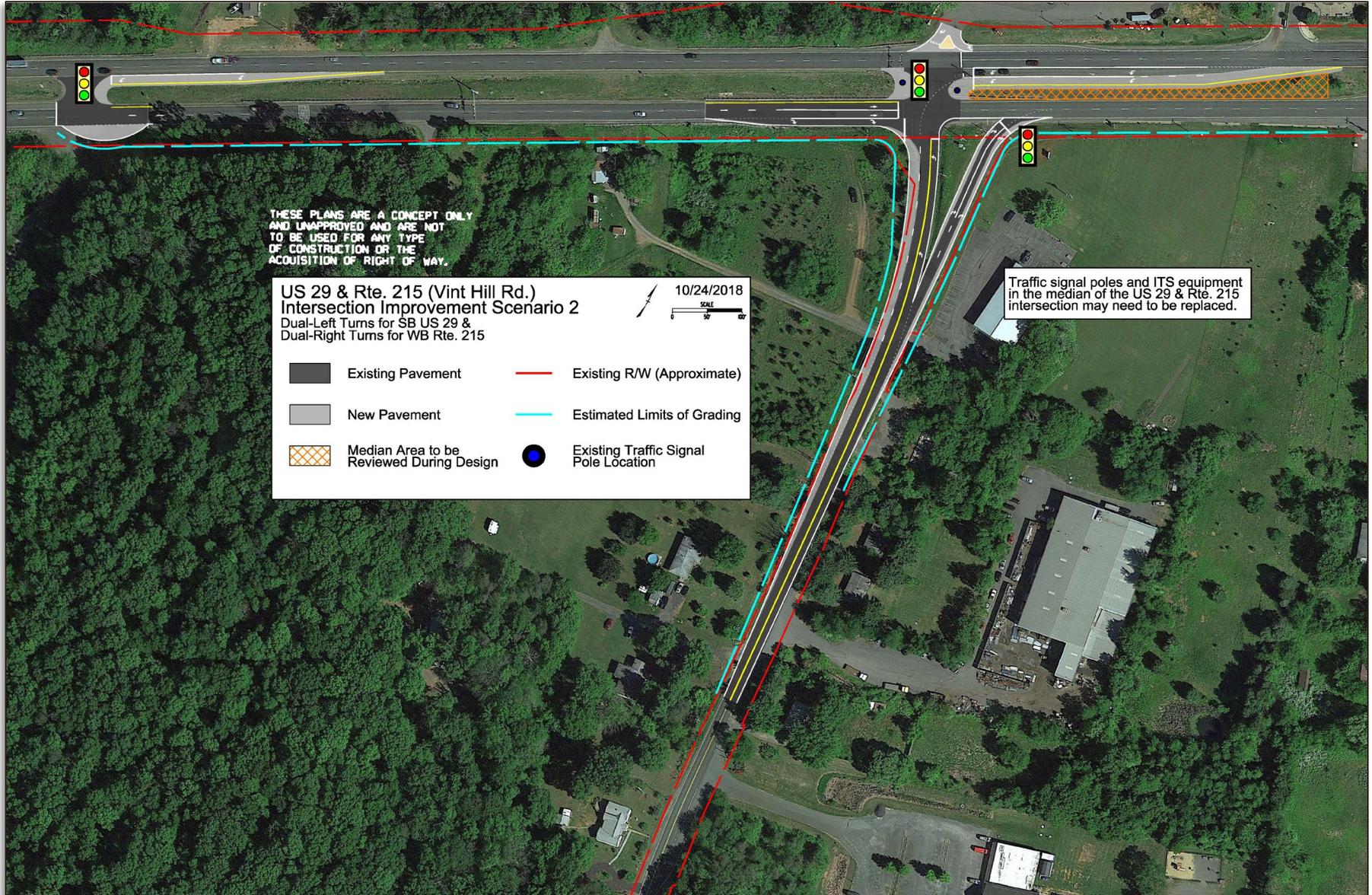
- Adjust turn lane configurations on Route 600 to match traffic patterns
- Explore improvements to eliminate split phase signal OR, if not viable, consider creating dual lefts on WB Route 600
- Enhance U-Turn south of intersection



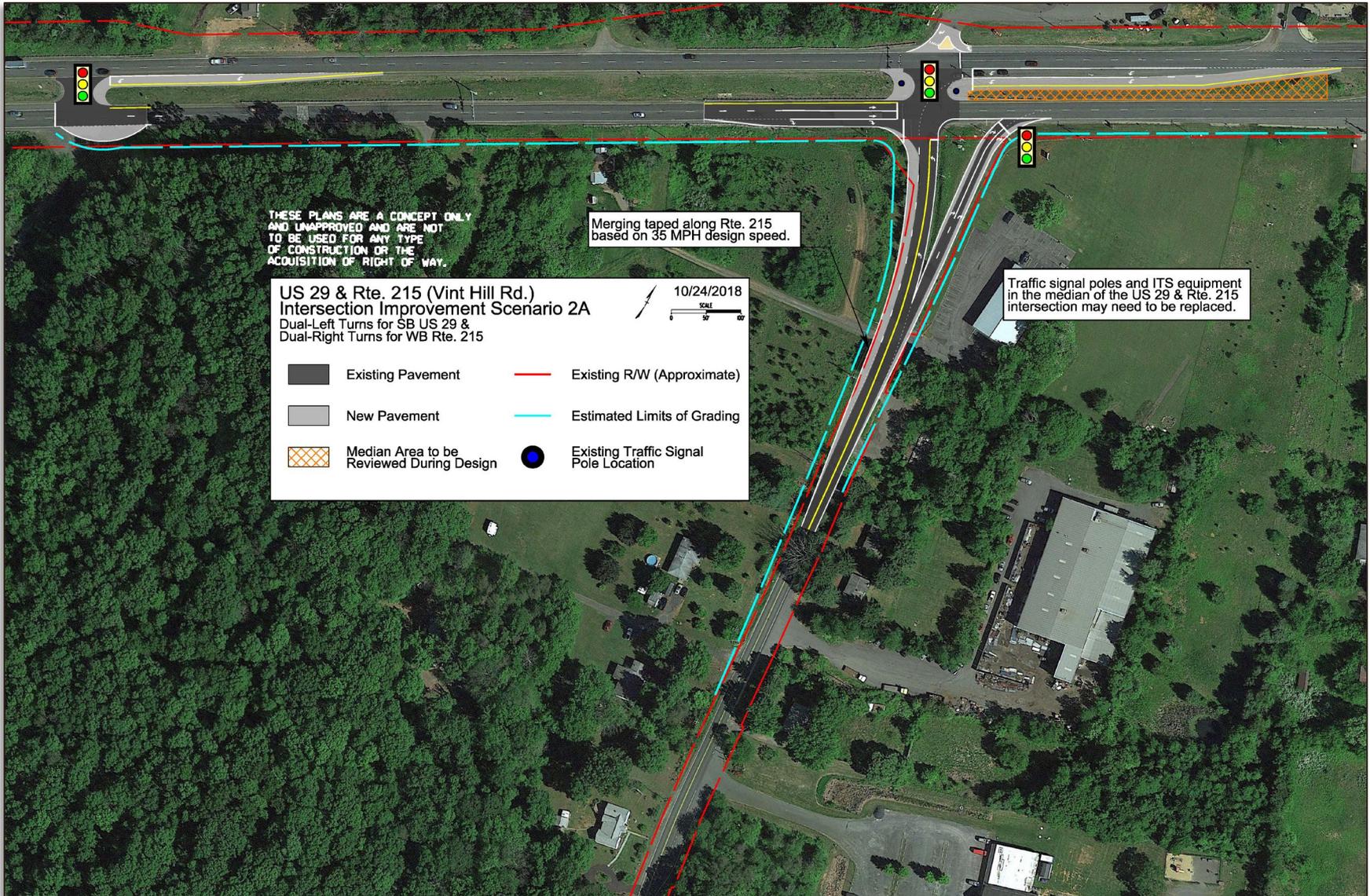
# Route 215 / Vint Hill Road Intersection, Scenario 1



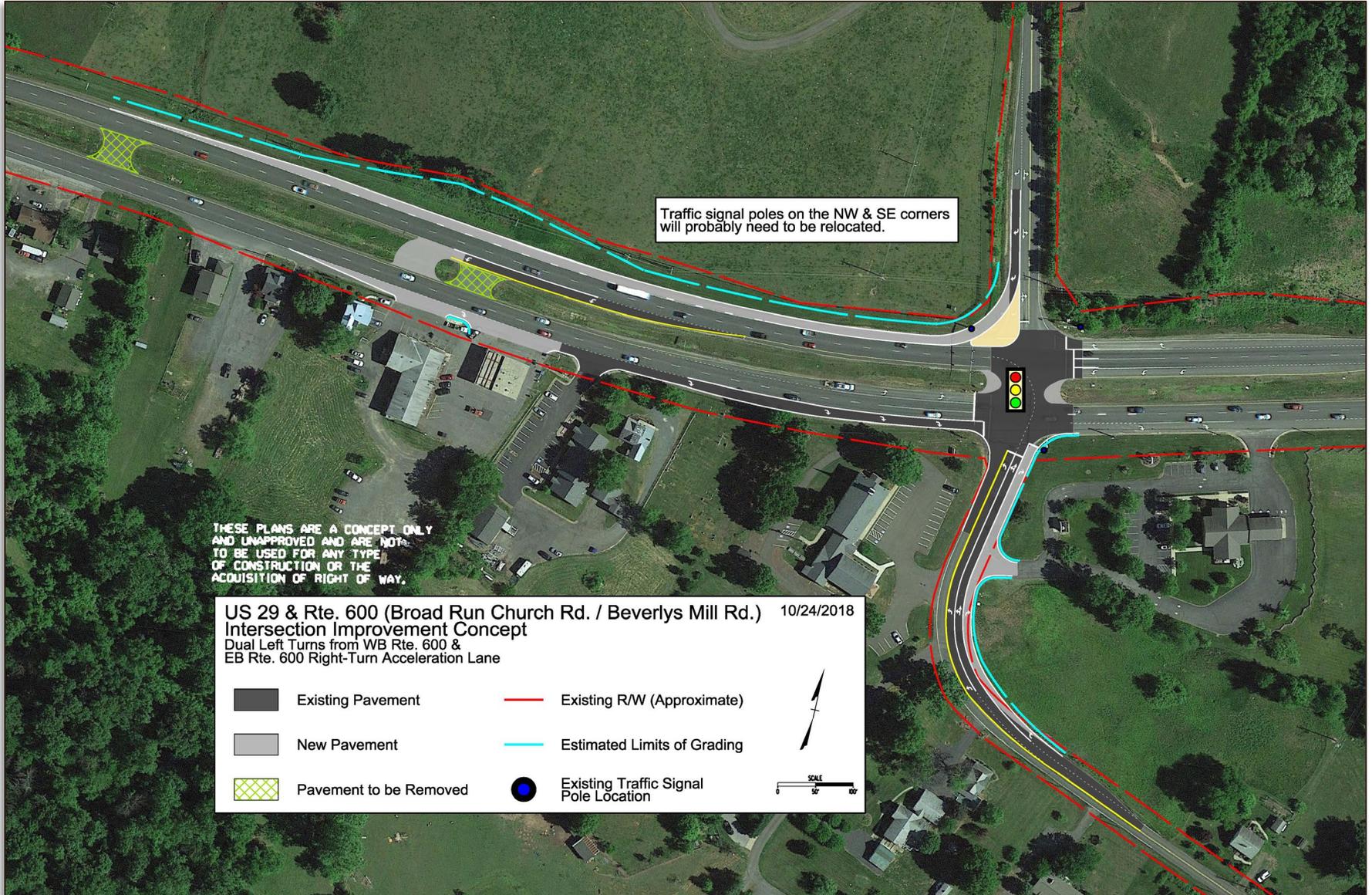
# Route 215 / Vint Hill Road Intersection, Scenario 2



# Route 215 / Vint Hill Road Intersection, Scenario 2 A



# Route 600 / Broad Run Church Road Intersection





# **TRAFFIC TURNING MOVEMENT COUNTS ROUTE 29-215 & 29-600 INTERSECTIONS**

**October 25, 2018**

# Turning Movement Counts, Rt. 29-215

Start Date: 10/2/2018  
 Start Time: 6:00:00 AM  
 Intersection: US 29 and VA 215  
 County: Fauquier

Start Time	US 29 Southbound				VA 215 Westbound				US 29 Northbound				Priv Ent Eastbound				15 minutes Intersection	1 hour Intersection
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Total	Total
06:00 AM	0	128	21	0	82	0	7	0	12	621	0	0	0	1	0	0	872	
06:15 AM	0	149	52	0	94	0	10	0	14	592	0	0	0	0	1	0	912	
06:30 AM	1	171	42	0	67	1	27	2	19	589	0	0	0	0	1	0	920	
06:45 AM	0	163	60	0	90	2	14	0	23	611	0	0	0	0	0	0	963	3667
07:00 AM	1	209	56	0	71	1	20	0	32	474	0	0	0	0	0	0	864	3659
07:15 AM	0	215	36	0	79	1	35	0	37	629	0	0	0	0	0	1	1033	3780
07:30 AM	0	300	58	0	52	1	41	1	30	516	0	0	0	0	0	0	999	3859
07:45 AM	1	247	54	0	65	0	0	0	37	641	0	0	0	0	1	0	1067	3963
08:00 AM	1	234	67	0	108	1	26	0	34	704	0	0	0	0	0	0	1175	4274
08:15 AM	0	241	65	0	118	0	28	0	32	730	0	0	1	0	0	0	1215	4456
11:00 AM	2	301	51	0	37	0	13	0	17	348	0	0	0	0	0	0	769	
11:15 AM	0	274	56	0	17	0	20	1	5	385	0	0	0	0	0	0	758	
11:30 AM	1	209	36	0	46	1	15	0	17	397	0	0	0	0	0	0	722	
11:45 AM	0	245	45	0	39	0	23	0	6	344	0	0	1	0	0	0	703	2952
12:00 PM	0	264	50	0	41	0	16	1	14	430	0	0	0	0	1	0	817	3000
12:15 PM	0	260	59	0	37	1	13	0	17	276	0	0	1	0	0	0	664	2906
12:30 PM	0	294	50	0	48	0	15	0	10	289	0	0	0	0	0	0	706	2890
12:45 PM	1	303	54	0	50	0	12	0	15	397	0	0	0	1	0	0	833	3020
04:00 PM	0	530	121	0	58	2	28	0	18	389	0	1	0	0	0	0	1147	
04:15 PM	1	523	153	0	96	0	24	0	34	473	0	0	2	0	0	0	1306	
04:30 PM	0	365	80	0	126	0	28	1	9	266	0	0	0	1	0	0	876	
04:45 PM	0	458	115	0	60	5	30	0	22	387	0	0	0	0	0	0	1077	4406
05:00 PM	2	442	121	0	58	0	22	0	30	322	0	0	1	0	1	0	999	4258
05:15 PM	0	484	80	0	92	1	29	0	16	370	0	0	1	0	0	0	1073	4025
05:30 PM	0	542	113	0	86	0	26	3	24	414	0	0	0	0	2	0	1210	4359
05:45 PM	1	514	114	0	56	0	31	0	25	399	0	0	0	1	2	0	1143	4425

Start Time	US 29 Southbound				VA 215 Westbound				US 29 Northbound				Priv Ent Eastbound				1 hour Intersection
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Total
7:30 - 8:30	2	1022	244	0	343	2	116	1	133	2591	0	0	1	0	1	0	4456
12:00 - 1:00	1	1121	213	0	176	1	56	1	56	1392	0	0	1	1	1	0	3020
5:00 - 6:00	3	1982	428	0	292	1	108	3	95	1505	0	0	2	1	5	0	4425

# Turning Movement Counts, Rt. 29-600

Start Date: 10/4/2018  
 Start Time: 6:00:00 AM  
 Intersection: US 29 and 600  
 County: Fauquier

Start Time	US 29 Southbound				SC 600 Westbound				US 29 Northbound				SC 600 Eastbound				15 minutes Intersection	1 hour Intersection
	Right	Thru	Left	Peds	Total	Total												
06:00 AM	3	89	0	0	16	4	4	0	10	559	6	0	2	1	0	0	694	
06:15 AM	3	167	0	0	16	4	11	0	13	508	13	0	7	3	6	0	751	
06:30 AM	1	165	0	0	12	1	8	0	22	481	20	0	5	3	5	0	723	
06:45 AM	1	201	0	0	6	2	11	0	31	494	24	0	3	4	5	0	782	2950
07:00 AM	1	196	0	0	11	4	11	0	34	459	16	0	6	5	4	0	747	3003
07:15 AM	2	269	3	0	7	5	23	0	30	481	20	0	20	2	3	0	865	3117
07:30 AM	2	416	1	0	12	11	34	0	34	546	14	0	1	7	1	0	1079	3473
07:45 AM	4	366	2	0	15	4	13	0	32	536	9	0	7	4	4	0	996	3687
08:00 AM	7	349	2	0	21	5	32	0	44	527	8	0	14	4	3	0	1016	3956
08:15 AM	2	221	1	0	9	7	17	0	24	379	3	0	2	1	5	0	671	3762
11:00 AM	3	281	8	0	8	3	14	0	14	315	1	0	9	5	4	0	665	
11:15 AM	2	328	2	0	3	3	10	0	9	233	5	0	14	2	6	0	617	
11:30 AM	27	238	2	0	9	2	34	0	14	311	3	0	8	3	3	0	654	
11:45 AM	0	343	5	0	9	0	18	0	11	280	4	0	5	5	3	0	683	2619
12:00 PM	9	309	3	0	17	0	25	0	18	313	8	0	8	1	7	0	718	2672
12:15 PM	8	325	11	0	6	6	19	0	13	302	4	0	7	1	6	0	708	2763
12:30 PM	2	312	3	0	3	2	14	0	9	333	12	0	8	3	5	0	706	2815
12:45 PM	6	366	6	0	6	3	14	0	16	293	13	0	11	0	3	0	737	2869
04:00 PM	6	463	4	0	5	4	59	0	13	291	14	0	84	6	9	0	958	
04:15 PM	3	530	5	0	6	2	53	0	31	326	5	0	45	9	8	0	1023	
04:30 PM	3	539	7	0	7	3	52	0	16	302	8	0	80	2	9	0	1028	
04:45 PM	4	509	4	0	14	8	60	0	22	296	13	0	94	6	5	0	1035	4044
05:00 PM	5	501	5	0	5	1	34	0	21	320	18	0	95	11	12	0	1028	4114
05:15 PM	6	562	4	0	5	5	36	0	11	382	7	0	55	7	12	0	1092	4183
05:30 PM	3	611	7	0	18	2	52	0	16	340	11	0	89	3	9	0	1161	4316
05:45 PM	4	558	7	0	12	6	41	0	17	282	6	0	93	9	17	0	1052	4333

Start Time	US 29 Southbound				SC 600 Westbound				US 29 Northbound				SC 600 Eastbound				1 hour Intersection
	Right	Thru	Left	Peds	Total												
7:15 - 8:15	15	1400	8	0	55	25	102	0	140	2090	51	0	42	17	11	0	3956
12:00 - 1:0	25	1312	23	0	32	11	72	0	56	1241	37	0	34	5	21	0	2869
5:00 - 6:00	18	2232	23	0	40	14	163	0	65	1324	42	0	332	30	50	0	4333