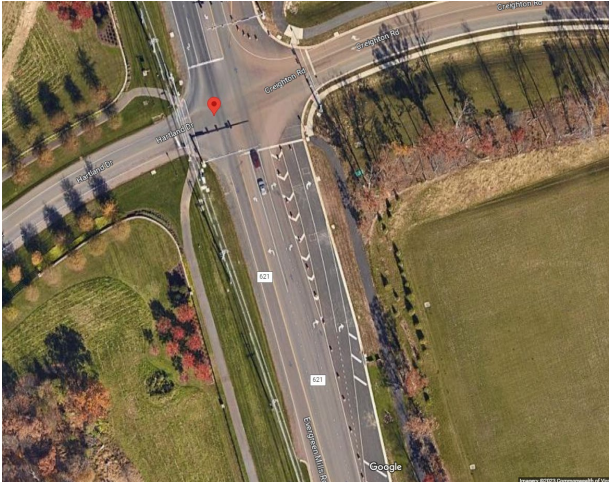


<b>VIRGINIA DEPARTMENT OF TRANSPORTATION LOUDOUN LAND USE PROJECT REVIEW COMMENT AND RESOLUTION SHEET</b>				Choose an item.	<b>COMMENT CATEGORIES:</b> 1. REQUIREMENT 2. RECOMMENDATION
COUNTY PROJECT NUMBER: CMPT-2023-0006		DEVELOPER/ENGINEER: J2 ENGINEERS		REVIEWER(S): GERALD MOORE	DATE: 08/08/23
PROJECT NAME: DULLES NORTH HS AND ELEMENTARY SCHOOL		REVIEW PHASE & TYPE: COMMISSION PERMIT		DISCIPLINE: LAND USE	
ITEM NO.	DWG. NO. <sup>(1)</sup>	COMMENTS	COMMENT CATEGORY	RESPONSE <sup>(2)</sup>	FINAL DISPOSITION <sup>(3)</sup>
1.1	1-7	VDOT (Land Use) has “No Objections” to the Commission Permit Plat. See Traffic Engineering related comments below.	1		
1.2	1-7	The Site Plan/Plat is not very legible. Check quality of Site Plan/Plat prior to any future submittals.	1		
1.3	Gen.	Additional comments will be made at the Site Plan stage in respect to Access Management Standards and Requirements for Entrances.	1		

<p>(1) Indicate drawing no./page no. or use “G” for general comment.                  (2) To be filled out by Applicant/Engineer. Date of Response is required.                  (3) The VDOT reviewer is responsible for the final disposition of all comments.</p>	<p>Note: This form is to be used by the VDOT land use team to provide comments or concerns associated with the rezoning applications, site plans or any other plans when requested by the county or the applicants.</p>
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**Virginia Department of Transportation  
Project Review & Comment Resolution Form**

<b>VDOT Project No.:</b> Locality Project No.:	<b>UPC No.:</b>	<b>Location:</b> Loudon County
<b>Description:</b> Steeplechase ES and HS-14 TIA	<b>Phase:</b>	<b>Design Originator:</b> Gorove Slade

Item	Sheet No.	Review Comment	Response		Final Disposition
		Name: Jung-Taek Lee Discipline: VDOT NOVA TE Date: 8/7/2023  By VDOT Reviewer 1. Requirement 2. Recommendation 3. Clarification	Code	Name: Discipline: Date:  By VDOT PM in Conjunction with Design Originator A. Agree with Comment (Document Will Be Revised) B. Comment To Be Evaluated (by Whom) C. Disagree with Comment (Provide Justification)	Code
1	G	For the turning movement counts of figures of Synchro analysis, please note all turning movement counts figures that result in these figures, including Appendix. Also verify all figure numbers in Appendix and resulting figure numbers in this TIA.	1		
2	15	Is NB lane configuration of the intersection 3 (Creighton Rd & Evergreen Mills Rd) dual right-turning lane as screenshot below? Please clarify. 	3		

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<b>Description:</b> Steeplechase ES and HS-14 TIA	<b>Phase:</b>	<b>Design Originator:</b> Gorove Slade
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		Name: Jung-Taek Lee Discipline: VDOT NOVA TE Date: 8/7/2023  By VDOT Reviewer 1. Requirement 2. Recommendation 3. Clarification		Code	Name: Discipline: Date:  By VDOT PM in Conjunction with Design Originator A. Agree with Comment (Document Will Be Revised) B. Comment To Be Evaluated (by Whom) C. Disagree with Comment (Provide Justification)		Code
3	16	At intersection of 7, intersection crash rate is 3.04, which is way more than 1.0. there are only two PDOs for this intersection and seem to be very high. Please verify with ADT.		1			
4	22	Are background development trip generations approved by the County?		1			
5	23	Inherent growth traffic volume in Figure 5 shows some differences. For example, SB at intersection shows 28/26/26. However, they should be 22/22/22 by 1% growth from 2022 to 2028. Please verify all movement growth rates in Figure 5.		1			
6	25	EB approach on Red Hill Rd to Evergreen Mills Rd is planned to have an exclusive right turn lane (Watson Mountain Middle School). However, an exclusive left turn lane is also provided in Synchro model for future without development 2028. Please verify all improvement.		1			
7	25	SB right turn lane on Evergreen Mills Rd is planned to expand (Watson Mountain Middle School). Please address how long this turn lane is expanded.		1			
8	31	Are EB and WB tuning lanes exclusive at intersection 8 as in Figure 9? They are shared with through lanes in Synchro model for future without development 2028. Please verify them.		1			

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9	32	Please verify Table 4 trip generation. For example, AM, average rate is 0.52. So 2100x0.52 is 1092, not 920 by ITE TG 11 <sup>th</sup> edition. Check the PM also. Also address details with actual trip generation calculation for notes under the table. Table This comment applies to Table 5 trip generation.		1				
10	43	In Figure 15, are site improvement (green lanes) not part of lane configuration in 2028? In Synchro model they are not present (Future with Development 2028). Please verify.		1				
11	52	Please verify all trip generation of Table 8. For example, trip generation of elementary (ITE 520) for AM is 0.74x960 = 711, not 720 by TG 11 <sup>th</sup> edition. Please elaborate in detail for trip generation if correct.		1				
12	64	Should the elementary trip generation be added to high school trip generation to develop one trip generation for future with development for 2032 instead of separate trip generations and capacity analyses?		1				
13	73	Opening year of 2032 for the high school and the elementary should be considered for signal warrant.		1				
14	74	Please elaborate estimated ADT in Table 12.		1				

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		By VDOT Reviewer	Code	By VDOT PM in Conjunction with Design Originator	Code	By the VDOT PM (for Virginia-Owned Roadways) By the Locality PM (for Locality-Owned Roadways)	
		1. Requirement 2. Recommendation 3. Clarification		A. Agree with Comment (Document Will Be Revised) B. Comment To Be Evaluated (by Whom) C. Disagree with Comment (Provide Justification)			
15	Synchr o	Some PHF for future without development are not 0.92. For example, at intersection 2, NB approach has 0.94 in AM. Please verify all of PHF.		1			
16	Append ix Figure H.3	Is Figure H.3 the summation of H.1 + H.2 in Appendix H?		1			
17	Append ix J. Fig J.5	Is Figure J.5 supposed to be Figure 13 in TIA (2028), not Figure 25? Please verify all figure numbers in appendix and corresponding figures in TIA. Make sure all resulting trips should be matching to all trips from all scenarios.		1			
18	Append ix O, 60	Opposite Vol and Approach Vol are switched.		1			

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