



# COMMONWEALTH of VIRGINIA



DAVID S. EKERN, P.E.  
COMMISSIONER

## DEPARTMENT OF TRANSPORTATION

14685 Avion Parkway  
Chantilly, VA 20151  
(703) 383-VDOT (8368)

July 8, 2010

Mr. Marchant Schneider  
County of Loudoun  
Department of Planning  
1 Harrison Street, S.E.  
P.O. Box 7000  
Leesburg, Virginia 20177-7000

Re: Loudoun County Public Schools  
HS-7 Dulles South High School and Elementary School, Goshen Road Assemblage  
(2nd Submission)  
Loudoun County Plan Number ZMAP 2010-0001 and SPEX 2010-0003

Dear Mr. Schneider:

We have reviewed the above noted plan and supplemental traffic analysis as requested in your June 9, 2010 transmittal and associated Chapter 527 transmittal. We offer the following comments:

1. Please see the attached memorandum dated July 6, 2010 from Mr. Arun Raj VDOT's Traffic Engineering Section.
2. Please see the attached e-mail dated Friday, June 25, 2010 from Mr. Cina Dabestani of VDOT's Transportation Planning Section.
3. Additional comments regarding the plan review portion of this application were dated May 14, 2010 but no response letter to those comments was submitted with this second-submission. The comments are attached again herewith for your reference. Please re-submit with an item-by-item response to each comment.

In general, the Traffic Impact Study (TIS) has been found "Acceptable".

If you have any questions, please call me at (703) 383-2061.

Sincerely,

A handwritten signature in black ink, appearing to read 'JB', with a long horizontal flourish extending to the right.

John Bassett, P.E.  
Transportation Engineer

Attachments

Cc: Imad Salous, P. E.

July 6, 2010

## MEMORANDUM

**TO:** John Bassett

**FROM:** Arun Raj

**CC:** Jim Turner, Sylvia Spriggs

**SUBJECT:** RUID # 12363, Plan# ZMAP 2010-0001/SPEX 2010-0003, Loudoun County School Board: HS-7/ES

We have completed our review of the traffic impact analysis for the above referenced location and offer the following comments/recommendations:

### Summary of the Key Findings

The proposed development involves High School (HS 7) and Elementary School (ES) to be located in Loudoun County. The proposed schools will be located along Goshen Road, west of Gum Spring Road (Route 659), north of Braddock Road (Route 620) and south of Route 50 in Loudoun County, Virginia. The schools will be built on an assemblage of properties of approximately 97 acres. A special exception on the property is being proposed to allow for the construction of a High School and an Elementary School, comprising of approximately 1,800 students and 875 students, respectively. The proposed development will be phased, with the High School (HS) anticipated to open in 2012 and the Elementary School (ES) anticipated to open in 2015. As per the study, these developments are expected to generate 1108 AM peak and 759 PM peak hour trips.

### Accuracy of the Traffic Impact Analysis

The methodologies and assumptions used in the traffic impact analysis appear to be based upon the results of a scope of work meeting held by VDOT and others involved in the project.

### Comments on the Recommended Improvements

No comment at this time.

## Additional VDOT Recommendations/Comments

1. Ensure that all turn lane length and taper meet VDOT design standards. If not, design waivers will be required.

## Conclusions

In general, we have found the study **Acceptable**. Please call if you have any questions.

**From:** Dabestani, Cina  
**Sent:** Friday, June 25, 2010 4:16 PM  
**To:** Bassett, John (NOVA), P.E.; Turner, Jim R.; Spriggs, Sylvia A.; Llana, Claudia, P.E.  
**Cc:** Raj, Arun A.  
**Subject:** RE: PAAGE: A plan has been transferred to you for review. LCPS Dulles South HS-7 and Elementary School TIS; Loudoun County

John:

The outstanding issues raised in first submission of this study has been fully implemented and corrected in the second submission thus TP has no outstanding issue.

**Cina S. Dabestani**  
**Sr. Transportation Engineer**  
**Transportation Planning**  
**Virginia Department of Transportation**  
**703 . 383 . 2215**  
**[Cina.Dabestani@VDOT.Virginia.GOV](mailto:Cina.Dabestani@VDOT.Virginia.GOV)**



Please consider the environment before printing this email.

May 14, 2010

Mr. Marchant Schneider  
County of Loudoun  
Department of Planning  
1 Harrison Street, S.E.  
P.O. Box 7000  
Leesburg, Virginia 20177-7000

Re: Loudoun County Public Schools  
HS-7 Dulles South High School and Elementary School, Goshen Road Assemblage  
(1<sup>st</sup> Submission – **Comment Addendum**)  
Loudoun County Application Numbers ZMAP 2010-0001 and SPEX 2010-0003

Dear Mr. Schneider:

We have reviewed the above noted application as requested in your March 19, 2010 transmittal. These comments are in addition to our May 13, 2010 comment letter regarding the Traffic Impact Study (TIS) as alluded to in comment # 3 of that letter. We offer the following comments:

1. Please provide draft proffers for review.
2. Please label all the applicable roads on the plan as they are designated in the Loudoun *Countywide Transportation Plan (CTP)* or as they are referenced in the TIS, e.g. "Route 659 Relocated" is also referred to as "Northstar Boulevard".
3. Provide typical sections for Roads "A" and "B" compliant with the applicable VDOT standard. Reference the standard used and include street width, design speed and projected traffic volume.
4. Goshen Road, Route 616 is not to be abandoned until an adequate replacement facility is in place.
5. Related to comment # 4: Please see the attached e-mail dated Monday, March 29, 2010 from James C. Zeller, P. E. of VDOT's Leesburg Residency office.
6. The cul-de-sac bulb at the northern end of the project is to have sufficient throat length per VDOT standards.
7. This application appears to rely significantly upon proffered roadway improvements "By Others". To ensure an adequate roadway network, we recommend that the portion of the Statement of Justification (dated March 18, 2010) entitled "Summary of Related Road Improvement Proffers" and the "Conclusions" portion of the TIS dated March 8, 2010 be analyzed, merged and presented in an orderly fashion and

incorporated into the proffers/approval conditions for this application. (This is related to comment # 1 above). There should be a mechanism to ensure that any pertinent roadway proffers "By Others" are in place prior to the proposed school opening date. Receipt of this information may generate additional comments.

If you have any questions, please call me at (703) 383-2061.

Sincerely,

John Bassett, P.E.  
Transportation Engineer

Attachment

cc: Imad Salous, P. E.