



TRAFFIC PLANNING AND DESIGN, INC.

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October 9, 2018

Ms. Susan LaPenta  
District Traffic Services Division Manager  
Engineering District 6-0  
7000 Geerdes Boulevard  
King of Prussia, PA 19406-1525

**RE: RESPONSE LETTER – SCOPING APPLICATION REVIEW**

WAWA – Lancaster Avenue (SR 0030) & Aberdeen Avenue  
Traffic Log No. D18-009XP  
*Radnor Township, Delaware County*  
TPD Job #KARA.00010

Dear Ms. LaPenta:

This letter pertains to the Proposed WAWA Convenience Market with Gasoline located at the intersection of Lancaster Avenue (SR 0030) and Aberdeen Avenue in Radnor Township, Delaware County, PA. Traffic Planning and Design, Inc. (TPD) has prepared this response letter to address the TIS Scoping Application comments contained the July 12, 2018 Review Letter, prepared by PennDOT (attached for reference). For the discussion below, the review comments are shown in bold and italic type, with the corresponding TPD response shown in regular type:

**SCOPING COMMENTS**

1. ***The PennDOT project number for this preliminary review, D18-009XP, must be referenced in EPS when the formal Highway Occupancy Permit (HOP) application is submitted.***

Response: So Noted/Will Comply.

2. ***The western site access driveway along Lancaster Avenue (SR 0030) must be reduced in width and reconfigured as a right-in driveway.***

Response: This driveway was revised from a full-access driveway to a right-in/right-out to provide a balance between the PennDOT requested changes and efficient site circulation. The results of the traffic study show this driveway, as a right-in/right-out, will operate at ILOS A during all peak hours analyzed.

3. ***A right turn lane must be provided on the northbound approach of Aberdeen Avenue. The right turn lane will improve capacity at the intersection.***

Response: Will Comply – This improvement has been added to the recommended roadway improvements within the TIS. However, it should be noted that the provision of this northbound right turn lane degrades the ILOS at the intersection during the A.M. peak hour in projected

conditions beyond the PennDOT allowable standards.

4. ***A formal Transportation Impact Study (TIS) will be required for this site. Please note that District 6-0 is accepting Transportation Impact Study (TIS) submissions via EPS. This will provide a more efficient and timely review of the submissions for the applicants while also assisting the Department with document management. Note that utilizing EPS will require a formal permit application be made for the access; therefore, submissions should be sure to include:***
- a. ***A transmittal letter including responses to Scoping comments or comments from previous reviews***
  - b. ***Scoping Meeting Request Form***
  - c. ***Minutes of the Scoping meeting or any previous minutes (as appropriate)***
  - d. ***Forms M950-MPC and M950-AA (as appropriate)***
  - e. ***Previously completed municipal reviews (if any)***
  - f. ***Electronic copies of capacity analysis files (e.g. HCS or Synchro)***

Response: So Noted/Will Comply as part of initial HOP EPS Submission.

5. ***A left turn in at the eastern site access along Lancaster Avenue (SR 0030) may impact traffic at the adjacent intersection of Lancaster Avenue (SR 0030) / Aberdeen Avenue by blocking through movements in the left lane. The TIA must evaluate the existing lane utilization at this intersection and analyze the traffic signal using appropriate adjustments to the lane utilization factor. The assumptions and process must be documented in the text TIS.***

Response: Will Comply.

6. ***The traffic signal at the Lancaster Avenue (SR 0030) / Aberdeen Avenue intersection is part of the Lancaster Avenue (I-0013) system with a master controller at the Radnor Township Maintenance Building. Any significant revisions to the signal timings, or significant changes to the Lancaster Avenue (SR 0030) / Aberdeen Avenue intersection will require optimized system timings and an update of the System Permit Plan.***

Response: So Noted.

7. ***Site trip distribution should be determined utilizing the new turning movement counts collected at the existing site access driveways.***

Response: Since the two existing sites are being combined into one site with improved access, TPD determined the trip distribution based on existing traffic patterns in the Study Area, using cordon line for the new trips, and directional patterns for pass-by trips.

8. ***The application of a Trip Credit for the existing Sunoco site will be acceptable based on new traffic counts collected at each existing site access driveway.***

Response: So noted. To be conservative, TPD accounted for a portion of the existing site trip generation being pass-by in nature. Therefore, not all existing trip generation was subtracted from adjacent intersections.

9. ***Coordinate with Radnor Township to determine any other projects within the study area to be added to the base traffic.***

Response: Radnor Township was copied on this Scoping Application. No additional nearby developments were provided by Radnor Township at the time the TIS was completed.

**10. The Growth Rate assumption of 0.38% is acceptable**

Response: So Noted.

**11. The scoping application identifies three low volume driveways. Ensure the EPS application reports the driveway classification based on the total site volume.**

Response: Will Comply.

**12. With respect to the formal permit application, please ensure that the following items are addressed:**

- a. **Please be advised that pursuant to and in accordance with Title 67, Chapter 441.8(h)(2)(iv) of the code, the Safe Stopping Sight Distance is the absolute minimum acceptable sight distance for driveways. It is the designer's responsibility to ensure that this minimum requirement is satisfied. Furthermore, it should also be understood that any comments made (or guidance given) in this correspondence are preliminary in name and the Department reserves the right to change, alter, withdraw, or amend them as it deems necessary in the future.**
- b. **It should be understood that in accordance with PennDOT Strike-Off Letter 470-10-03 and pursuant to section 421 of the State Highway Law (36 P.S. § 670-421) the installation of drainage facilities within the Legal Right-of-Way may necessitate additional permitting requirements, including, but not limited to, a separate Highway Occupancy Permit from the Municipality for the future maintenance of the new drainage facilities.**
- c. **ADA compliance within the limits of work (along the access frontage at a minimum) must be evaluated in the final design (i.e. new/modified facilities, impact to SEPTA bus stops, etc.). Ensure that all pedestrian improvements along the site frontages, at all site access points, and all study area signalized intersections are ADA compliant.**
- d. **Department records indicate that PennDOT Fiber Optic facilities are present within the proposed limits of work and may be impacted by the anticipated improvements. Be advised that if fiber optic facilities are affected, the applicant is responsible for the relocation of the fiber, testing of the fiber communications both during construction and after the relocation of the fiber indicated on the approved plans, and the associated costs. Any relocation will need to be performed by a communications contractor that is acceptable to the District Traffic Unit and the Highway Occupancy Permit will not be issued until the fiber optic impact has been reviewed and the relocation scheme ultimately approved by the Department.**
- e. **Consistent with current Department Policy, applicants for Highway Occupancy Permits must apply for an EPS Business Partner ID (BPID). The BPID is to be used in the establishment of a billing account for the invoicing of inspection costs. For information on obtaining a BPID, you may visit:**

<https://www.dot14.state.pa.us/EPS/home/manageBPRegistration.isp>

**[Please make sure that you follow the instructions that are in the "PINK" area].**

**After a BPID is obtained and activated by the system administrator, please provide the following information in the applicant contact information tab**

**under "Applicant Team":**

- i. BPID (please ensure that the BPID is searchable through the "looking glass" feature)**
- ii. Contact information (name/title/phone/email) for a "general" contact person (person that typically deals with the Highway Occupancy Permit application process)**
- iii. Contact information (name/title/phone/email) for a "billing" contact person (person that typically deals with the Highway Occupancy Permit invoicing process)**

Response: So Noted/Will Comply as part of initial HOP EPS Submission.

We hope that these responses are helpful. If you require additional information please feel free to contact us.

Sincerely,

TRAFFIC PLANNING AND DESIGN, INC.



Matthew I. Hammond, P.E.

Executive Vice President

mhammond@trafficpd.com

Attachment: 07/12/2018 TIA Scoping Application Review Letter

cc: PennDOT 6-0  
Radnor Township  
Project Team (via Email)  
TPD File



July 12, 2018

RADNOR TOWNSHIP, DELAWARE COUNTY  
WAYNE PROPERTY ACQUISITION, INC.  
HIGHWAY OCCUPANCY PERMIT APPLICATION NO. PRE1532  
WAWA – LANCASTER AVE (SR 0030) & ABERDEEN AVENUE  
TRAFFIC LOG NO.: D18-009XP  
**SCOPING APPLICATION REVIEW**

Matthew I. Hammond, P.E.  
Traffic Planning and Design, Inc.  
812 W. Hamilton Street, Suite 402  
Allentown, PA 18018

Dear Mr. Hammond:

The Department has reviewed the Scoping Application submission for compliance with applicable Department Regulations. This preliminary review has identified deficiencies that must be addressed in order for your application submission to be processed as efficiently as possible. Please be advised, our comments below are intended to gather the pertinent information needed in order to determine the scope of improvements that will be necessary to mitigate the traffic impacts of this development. Please note that further analysis of the amended information along with an evaluation of the physical characteristics of the area may identify further improvements.

The Department understands that the provided analysis is preliminary in nature. As such, the Department reserves the right to make future additional comments based on the formal submission in EPS.

Our comments on your scoping submission are as follows:

#### **SCOPING COMMENTS**

1. The PennDOT project number for this preliminary review, D18-009XP, must be referenced in EPS when the formal Highway Occupancy Permit (HOP) application is submitted.
2. The western site access driveway along Lancaster Avenue (SR 0030) must be reduced in width and reconfigured as a right-in driveway.
3. A right turn lane must be provided on the northbound approach of Aberdeen Avenue. The right turn lane will improve capacity at the intersection.
4. A formal Transportation Impact Study (TIS) will be required for this site. Please note that District 6-0 is accepting Transportation Impact Study (TIS) submissions via EPS. This will provide a more efficient and timely review of the submissions for the applicants while also assisting the Department with document management. Note that utilizing EPS will require a formal permit application be made for the access; therefore, submissions should be sure to include:

- a. A transmittal letter including responses to Scoping comments or comments from previous reviews
  - b. Scoping Meeting Request Form
  - c. Minutes of the Scoping meeting or any previous minutes (as appropriate)
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5. A left turn in at the eastern site access along Lancaster Avenue (SR 0030) may impact traffic at the adjacent intersection of Lancaster Avenue (SR 0030) / Aberdeen Avenue by blocking through movements in the left lane. The TIA must evaluate the existing lane utilization at this intersection and analyze the traffic signal using appropriate adjustments to the lane utilization factor. The assumptions and process must be documented in the text TIS.
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  7. Site trip distribution should be determined utilizing the new turning movement counts collected at the existing site access driveways.
  8. The application of a Trip Credit for the existing Sunoco site will be acceptable based on new traffic counts collected at each existing site access driveway.
  9. Coordinate with Radnor Township to determine any other projects within the study area to be added to the base traffic.
  10. The Growth Rate assumption of 0.38% is acceptable.
  11. The scoping application identifies three low volume driveways. Ensure the EPS application reports the driveway classification based on the total site volume.
  12. With respect to the formal permit application, please ensure that the following items are addressed:
    - a. Please be advised that pursuant to and in accordance with Title 67, Chapter 441.8(h)(2)(iv) of the code, the Safe Stopping Sight Distance is the absolute minimum acceptable sight distance for driveways. It is the designer's responsibility to ensure that this minimum requirement is satisfied. Furthermore, it should also be understood that any comments made (or guidance given) in this correspondence are preliminary in nature and the Department reserves the right to change, alter, withdraw, or amend them as it deems necessary in the future.
    - b. It should be understood that in accordance with PennDOT Strike-Off Letter 470-10-03 and pursuant to section 421 of the State Highway Law (36 P.S. § 670-421) the installation of drainage facilities within the Legal Right-of-Way may necessitate additional permitting requirements, including, but not limited to, a separate Highway Occupancy Permit from the Municipality for the future maintenance of the new drainage facilities.
    - c. ADA compliance within the limits of work (along the access frontage at a minimum) must be evaluated in the final design (i.e. new/modified facilities, impact to SEPTA bus stops, etc.).

Ensure that all pedestrian improvements along the site frontages, at all site access points, and all study area signalized intersections are ADA compliant.

- d. Department records indicate that PennDOT Fiber Optic facilities are present within the proposed limits of work and may be impacted by the anticipated improvements. Be advised that if fiber optic facilities are affected, the applicant is responsible for the relocation of the fiber, testing of the fiber communications both during construction and after the relocation of the fiber indicated on the approved plans, and the associated costs. Any relocation will need to be performed by a communications contractor that is acceptable to the District Traffic Unit and the Highway Occupancy Permit will not be issued until the fiber optic impact has been reviewed and the relocation scheme ultimately approved by the Department.
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The Department has performed this preliminary review based only on the limited information provided. We reserve the right to make future, additional, detailed comments based on subsequent submissions. If you have any questions pertaining to the technical aspects of this review, please contact Scott Bechard, AICP of Dawood Engineering, Inc. at [sbechard@dawood.cc](mailto:sbechard@dawood.cc) or 717.732.8576.

Respectfully,



Susan LaPenta  
District Traffic Services Division Manager  
Engineering District 6-0

cc: F. Hanney  
A. Patel, P.E.  
A. Antonelli  
Traffic Services File  
Radnor Township  
Delaware County Planning Commission.