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RECEIVED
APR 13 2011
BY: Denise Miller

April 8, 2011

PennDOT District 6-0 Traffic Unit
Attn: Paul Lutz
7000 Geerdes Boulevard
King of Prussia, PA 19406

Re: Flashing Warning Device Request
South Brandywine Middle School
Doe Run Road (SR 0082) and Strasburg Road (SR 3062)
East Fallowfield Township, Chester County
K&W Project No. 2041.004

Dear Mr. Lutz:

As part of a school project for the South Brandywine Middle School, we are submitting a Flashing Warning Device plan and application for Doe Run Road (SR 0082) and Strasburg Road (SR 3062). The school has students that walk along both state roadways to and from school.

Our submission package consists of the following items:

- One (1) copy — Application for Permit to Install and Operate Flashing Warning Devices
- One (1) copy — School Zone Speed Limit Engineering Traffic Study
- Two (2) copies — Flashing Warning Device Plans

If you have any questions or require any additional information, please do not hesitate to contact me. Thank you.

Sincerely,

Kurowski & Wilson, LLC

Kevin J. Burke

Kevin J. Burke
Project Professional

CC: Bill Androwick, CASD
Ken Johnson, Gilbert Architects
Denise Miller, East Fallowfield Township

KJB \ MLW
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TE-952 (1-78)

PENNDOT

APPLICATION FOR PERMIT TO INSTALL AND OPERATE FLASHING WARNING DEVICES

DATE July 27, 2010

RESOLUTION- 2010-07

WHEREAS, the East Fallowfield Township (CITY/TOWNSHIP/BOROUGH), in Chester County desires to erect, operate, and maintain flashing warning devices on Strasburg and Doe Run Road (Highway, Street, or Intersection - Show S.R. If known) _____ for South Brandywine Middle School (Name of School or Name and Number of Fire House when applicable), and

WHEREAS, the Vehicle Code requires the approval of the Secretary of Transportation before any device may be legally erected or reconstructed.

NOW, THEREFORE, BE IT RESOLVED, that flashing warning devices be erected at the above mentioned location, subject to the approval of the Secretary of Transportation, and that his approval is hereby requested, and BE IT FURTHER RESOLVED, that, in the event a permit for these devices is approved after proper investigation, the East Fallowfield Township (CITY/TOWNSHIP/BOROUGH) will be bound by the following provisions:

The devices shall be installed and maintained in accordance with the Vehicle Code and the Regulations for traffic signs, signals, and markings of the Department of Transportation and Should future highway or traffic conditions, or legal requirements, necessitate alteration of the construction or operation, or hours of operation, or removal of the flashing warning devices at the above mentioned location, they shall be altered or removed when and as directed by the Secretary of Transportation.

I, Denise Miller (TYPE/PRINT NAME OF OFFICIAL), Secretary of the East Fallowfield Township (CITY/TOWNSHIP/BOROUGH) do certify that the foregoing is a true and correct copy of the resolution legally adopted at the meeting held July 27, 2010 (DATE).

SEAL

Signed Denise Miller (Secretary)

Chris Amentas, Chairman

Chris Makely, Vice Chairman

George Broadbent, Member

Gary Barach, Member

Mark Toth, Member

TE-112 (7-09)

SCHOOL ZONE SPEED LIMIT ENGINEERING AND TRAFFIC STUDY

PLEASE TYPE OR PRINT ALL INFORMATION IN BLUE OR BLACK INK

pennsylvania
DEPARTMENT OF TRANSPORTATION
www.dot.state.pa.us

For the purposes of this study, the following definition applies:
School - a facility for education wherein a resident of this Commonwealth can legally fulfill compulsory school requirements, including kindergarten through grade 12.

A - LOCATION INFORMATION

COUNTY: Chester	MUNICIPALITY: East Fallowfield Township
SCHOOL NAME: South Brandywine Middle School	SCHOOL DISTRICT: Coatesville Area School District

DOES THE SCHOOL PROPERTY ABUT THE HIGHWAY? IF YES, INDICATE STREET NAME AND ROUTE NUMBER BELOW.

[X] YES [ ] NO

SR#	SEGMENT	STREET NAME
0082 / 3062	0372 / 0050	Doe Run Road / Strasburg Road
SEGMENT/OFFSET	TO SEGMENT/OFFSET	[ ] ASCENDING [ ] DESCENDING [ ] BOTH

B - REFERENCE INFORMATION

REFERENCE	SECTION(S)
Chapter 212	212.501
MUTCD	7B.11 and 7B.12
PUB 46	Chapter 2.4.6.1, 2.4.6.3 and 7.2
Vehicle Code Title 75 Pa. C.S.	§3365(b) and 6109(a)(10)

C - STUDY ELEMENTS

FROM PUB 212 APPENDIX:

- [ ] Arrival and Departure Hours of Students (5)
- [ ] Geometric Review (8)
- [ ] Pedestrian Volumes (12)
- [ ] School Route Plan (15)
- [ ] Other _____

D - ATTACHMENTS LISTING

Check those that apply and attach to this form in the order listed below:

- [ ] 1. 10-Day Response Letter
- [ ] 2. Letter or Memo Requesting Study
- [ ] 3. Location Map
- [ ] 4. Straight Line Diagram
- [ ] 5. Photographs
- [ ] 6. Field View Drawing or Condition Diagram
- [ ] 7. Crash Extract
- [ ] 8. Crash Rate
- [ ] 9. Collision Diagram Plot
- [ ] 10. Speed Study
- [ ] 11. Warrant Analysis
- [ ] 12. Multi-Way Stop or Truck Restriction Worksheet
- [ ] 13. Traffic/Pedestrian Volumes
- [ ] 14. STAMPP Identification Data
- [ ] 15. Speed Limit
- [ ] 16. Traffic Signal Permit Plan
- [ ] 17. Other _____

Confidential - Traffic Engineering and Safety Study

This document is the property of the Commonwealth of Pennsylvania, Department of Transportation. The data and information contained herein are part of a traffic engineering and safety study. This safety study is only provided to those official agencies or persons who have responsibility in the highway transportation system and may only be used by such agencies or persons for traffic safety related planning or research. The document and information are confidential pursuant to 75 Pa. C.S.3754 and 23 U.S.C. 409 and may not be published, reproduced, released or discussed without the written permission of the Pennsylvania Department of Transportation.

E - SITE OBSERVATION CHECKLIST

Operational Checklist:

1. Do obstructions block a driver's view of pedestrians or approaching vehicles? ☐ YES ☒ NO ☐ N/A
2. Do drivers respond correctly to signals, signs, or other traffic control devices? ☒ YES ☐ NO ☐ N/A
3. Is there evidence of crashes *(skid marks, property damage, tree/bush damage, broken glass/vehicle parts, etc.)*? ☐ YES ☒ NO ☐ N/A
4. Are there violations of parking or other traffic regulations? ☐ YES ☒ NO ☐ N/A
5. Do drivers appear confused about routes, street names, or other guidance information? ☐ YES ☒ NO ☐ N/A
6. Have you observed the location during peak hours for volume, crashes, and traffic operations? ☒ YES ☐ NO ☐ N/A
7. Are there traffic flow deficiencies or traffic conflict patterns associated with turning movements? ☐ YES ☒ NO ☐ N/A
8. Are there significant delays and/or congestion? ☐ YES ☒ NO ☐ N/A
9. Are there vehicle/pedestrians conflicts? ☐ YES ☒ NO ☐ N/A
10. Are there other traffic flow deficiencies or traffic conflict patterns? ☐ YES ☒ NO ☐ N/A

Physical Checklist:

1. Can sight obstructions be removed or lessened? ☐ YES ☐ NO ☒ N/A
2. Do the street alignments or widths adequately accommodate the type of traffic using the roadway? ☒ YES ☐ NO ☐ N/A
3. Are curb radii adequate for turning vehicles? ☐ YES ☐ NO ☒ N/A
4. Are pedestrian crosswalks properly located? ☒ YES ☐ NO ☐ N/A
5. Are signs adequate as to usefulness, message, size, conformity, and placement? ☒ YES ☐ NO ☐ N/A
6. Are traffic signals adequate as to placement, visibility, glare, conformity, number of signal heads, and timing? ☐ YES ☐ NO ☒ N/A
7. Are pavement markings adequate as to their conformance to standards and location? ☒ YES ☐ NO ☐ N/A
8. Is channelization (islands or pavement markings) adequate for reducing conflict areas, separating traffic flows, and defining movements? ☐ YES ☐ NO ☒ N/A
9. Does the existing legal parking layout affect sight distance for through or turning vehicles? ☐ YES ☐ NO ☒ N/A
10. Is the pavement condition free of potholes, washboard, slick surface, etc.? ☒ YES ☐ NO ☐ N/A

F - SITE DATA

DATE DATA COLLECTED	PERSON CONDUCTING STUDY	TITLE

A. Student Pedestrian Activity:

1. Do students cross the highway? ☒ YES ☐ NO
   a. If no, the study is complete because it does not qualify.
   b. If yes, specify times of crossing AM and PM and supply a count of student crossings per 15 minute intervals during crossing periods:

	FROM	TO
Morning		
Noon		
Afternoon		

2. Do students walk along the highway on the shoulder? ☒ YES ☐ NO

   If yes, approximately how many? _____
3. Do students walk along the highway on a sidewalk? ☐ YES ☒ NO

   If yes, approximately how many? _____
4. Are there crosswalks on the highway abutting the school property? ☐ YES ☒ NO

This traffic engineering and safety study is confidential pursuant to 75 Pa. C.S. 3754 and 23 U.S.C. 409 and may not be disclosed or used in litigation without written permission from PennDOT.

F - SITE DATA (CONTINUED)

5. Total number of students who ride on school or mini buses 600

6. Total number of students in the above named school 619

Date

Signature of Superintendent, Assistant Superintendent, or Principal

G - REMARKS

H - ENGINEERING JUDGEMENT

Flashing Warning Device signs are recommended along both Doe Run Road (SR0082) and Strasburg Road (SR 3062).

I - APPROVALS

Comments:

Reviewed and Approved by Signature	Name/Title	Date
Reviewed and Approved by Signature	Name/Title	Date

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