



Hazardous Route Guide  
Upper Moreland Township School District  
2900 Terwood Rd.  
Willow Grove, PA 19090

June 30, 2020

The Upper Moreland School District has assembled this document as a resource to support state and local policies and procedures that address transportation services. Specifically, the School District complies with the Pennsylvania School Code Chapter 23 with regards to student transportation. Locally, the Upper Moreland Board of School Directors has established Policy #810 which establishes Board approved direction for the implementation of the Pennsylvania School Code and other transportation functions. Policy #810 is reviewed as part of the Upper Moreland Township School District's cyclical policy review by the Policy Committee. This policy is currently in its third reading and was last reviewed at the following Policy Committee dates: November 3, 2015, January 5, 2016 and February 2, 2016.

Section I includes a listing and maps of the current hazardous routes identified by the Pennsylvania Department of Transportation (PennDOT) within Upper Moreland Township. It is important when reviewing these routes to consider that the determination of hazardous roads can be different for elementary and secondary students.

The law provides for the Pennsylvania Department of Transportation to review potentially hazardous walking routes. The request for this is ordinarily made by the School District to the local PennDOT engineering district office. PennDOT regulations do not address hazards other than road or traffic conditions. Determinations are made by PennDOT in accordance with state mandated guidelines PA Code 447.4, Hazardous Walking Routes. PennDOT will review the nature of the hazard, if any, and make a final decision. Even if designated a hazardous road, the law permits students to walk up to 500 feet in some circumstances to reach a bus stop.

Attached to this document in Section II is an application for the evaluation of a Hazardous Walking Route, which is submitted to PennDOT. In order to begin the evaluation of a hazardous walking route, the District must be provided with the information required in "Section A" which includes location information, designation of what side of the street and what segment of the road is to be evaluated. Additionally, with the information contained in "Section A," the District needs to receive a signed Statement of Release form that follows the application to PennDOT.

Once the hazardous route information is received in its entirety, the School District works with the Upper Moreland Township Police Department and PennDOT in completing the additional information required on the form. The Upper Moreland Police Department provides reported accident, injuries and other reported information which is the only information which PennDOT will consider in the application. Information required on the site is compiled by the School District with supporting information on accidents and other data points from the Police Department.

Once the form is complete PennDOT will review the information and make a final determination which is communicated to the School District. The process can take anywhere from 6-9 months for a final determination based on the amount of time for PennDOT to review. The determination by PennDOT is considered to be final.

Questions on bus routes should begin in the Office of Transportation at 215-830-1525. In the event answers to questions or information cannot be obtained from transportation, the next point of contact is the Business Manager/Board Secretary/Right to Know/Title IX Officer who can be reached at 215-830-1504.

**CURRENT UPPER MORELAND ROUTES EVALUATED BY PENNDOT**

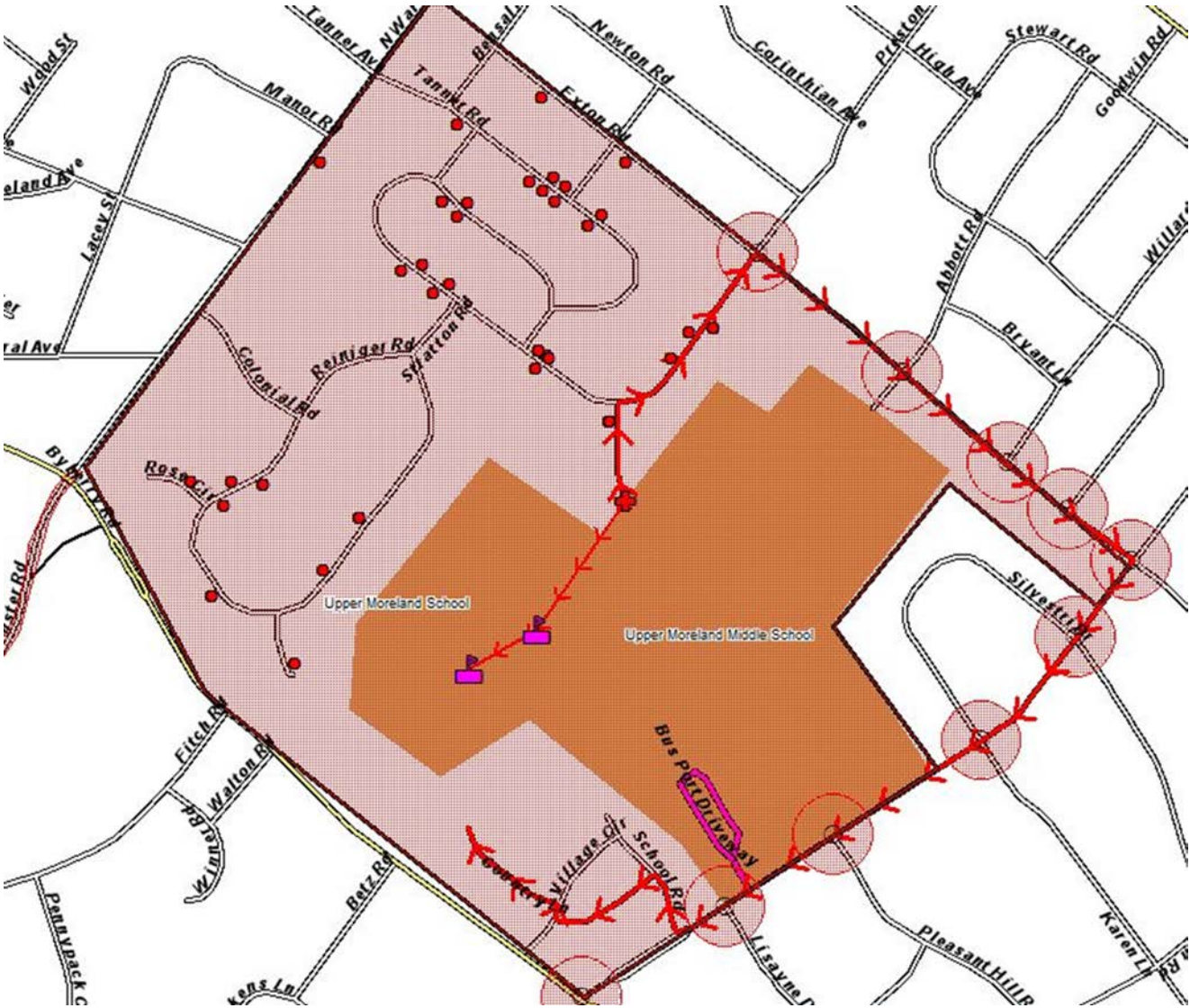
As of February 3, 2016

<b>Road</b>	<b>Section of Road</b>	<b>PENNDOT Determination</b>	<b>Exception to Hazardous</b>
Blair Mill Rd	Commerce Ave & Horsham Rd	Hazardous for all students	
Commerce Ave	Blair Mill & Maryland Rd	Non-Hazardous for all students	
Maryland Rd	Commerce Ave & Easton Rd	Non-Hazardous for all students	
Easton Rd	Maryland Rd & Fitzwatertown Rd	Non-Hazardous for all students	
Fitzwatertown Rd	York Rd & Easton Rd	Non-Hazardous for all students	
Mill Rd	York Rd & Easton Rd	Non-Hazardous for all students	
Warminster Rd	Easton Rd & Byberry Rd	Hazardous for all students	
Davisville Rd	Byberry Rd & County Line Rd	Hazardous for all students	
Warminster Rd	Byberry Rd & County Line Rd	Non-Hazardous for all students	
Terwood Rd	Huntingdon Rd & Edge Hill Rd	Hazardous for all students	
Huntingdon Rd	Terwood Rd & Edge Hill Rd	Hazardous for all students	
	Intersection of Easton Rd and Fitzwatertown Rd	Hazardous for all students	Crossing guard must be present
	Intersection of York Rd and Mill Rd	Hazardous for all students	Crossing guard must be present
	Intersection of York Rd and Sycamore Ave	Hazardous for all students	Crossing guard must be present
	Intersection of York Rd & Fitzwatertown/Terwood Rds	Hazardous for all students	Crossing guard must be present
	Intersection of Easton Rd, Blair Mill Rd & New Rd	Hazardous for all students	
	Intersection of Davisville Rd & Pioneer Rd	Hazardous for all students	
	Intersection of Davisville Rd & Karen Ln	Hazardous for all students	Crossing guard must be present
Byberry Rd	Intersection of Byberry Rd Orangemans Rd	Hazardous for all students	Crossing guard must be present
	Intersection of Terwood Rd & Davisville Rd	Hazardous for all students	Crossing guard must be present
	Intersection of York Rd & Church St	Hazardous for all students	Crossing guard must be present
Fitzwatertown Rd	Moreland Rd & Easton Rd	Non-Hazardous for all students	

	Easton Rd & York Rd	Non-Hazardous for all students	
Warminster Rd	York Rd to Fulmer Heights	Hazardous for all students	
Walking route to Cold Spr Elem.	Easton (409 Apts) to Lincoln, Grant, Fairhill, Patterson, & Brooks with East side of York Rd	Non-Hazardous for all students	
Edgehill Rd	Moreland Rd to Terwood Rd	Hazardous for all students	
Davisville Rd	Terwood Rd to PA Turnpike Bridge	Hazardous for all students	
	Byberry Rd & Terwood Rd	Hazardous for all students	
	Pleasant Hill Rd & Byberry Rd	Non-Hazardous for all students	
	Intersection of Davisville Rd & Fern Ave	Hazardous for all students	
	Intersection of Davisville Rd & Ball Rd	Hazardous for all students	
Easton Rd	Intersection of Easton Rd & Sycamore Ave	Non-Hazardous for all students	
	Wyandotte Rd to Fitzwatertown Rd	Non-Hazardous for all students	
	Intersection of Easton Rd & Church St	Non-Hazardous for all students	
	Intersection of Davisville Rd & Abbeyview Ave	Non-Hazardous for all students	
Terwood	Huntingdon Rd & Lundy Ln	Hazardous for all students	
	Huntingdon Rd & Davisville Rd to Upper Moreland HS	Non-Hazardous for all students	
	York Rd & entrance to Upper Moreland HS	Non-Hazardous for all students	
Lundy Ln	Edgehill Rd & Terwood Rd	Non-Hazardous for all students	
Carrell Ln	Sycamore Ave & Blair Mill Rd	Non-Hazardous for all students	
Sycamore Ave	Carrell Ln & Easton Rd	Non-Hazardous for all students	
York Rd	Mill Rd & Terwood Rd	Non-Hazardous for all students	
Moreland Rd	Carlson Rd & Fitzwatertown Rd	Non-Hazardous for all students	

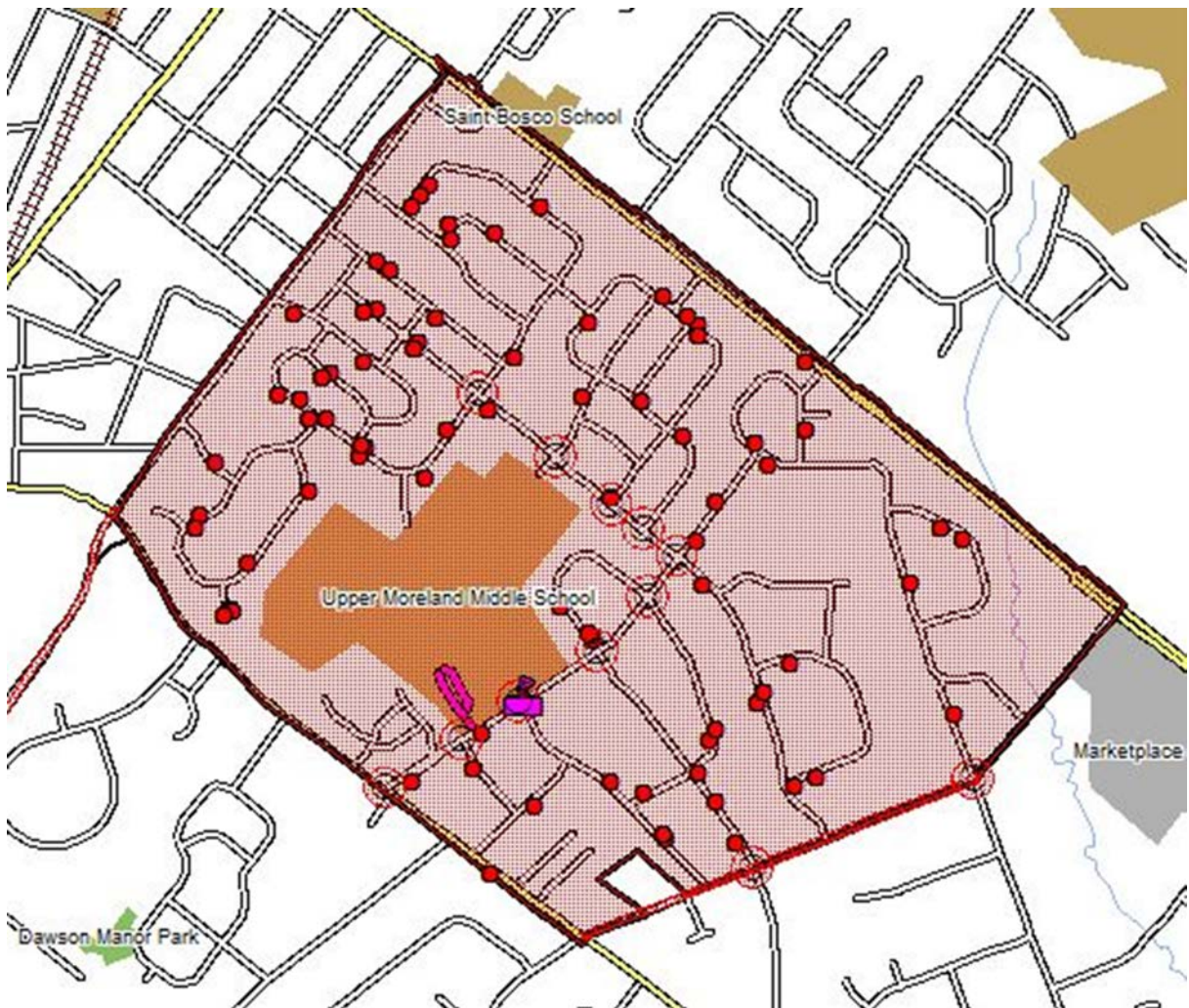
Section I:  
Listing and Maps of the Current  
Hazardous Routes

Elementary Center – 3980-90 Orangemans Rd. Hatboro, PA 19040



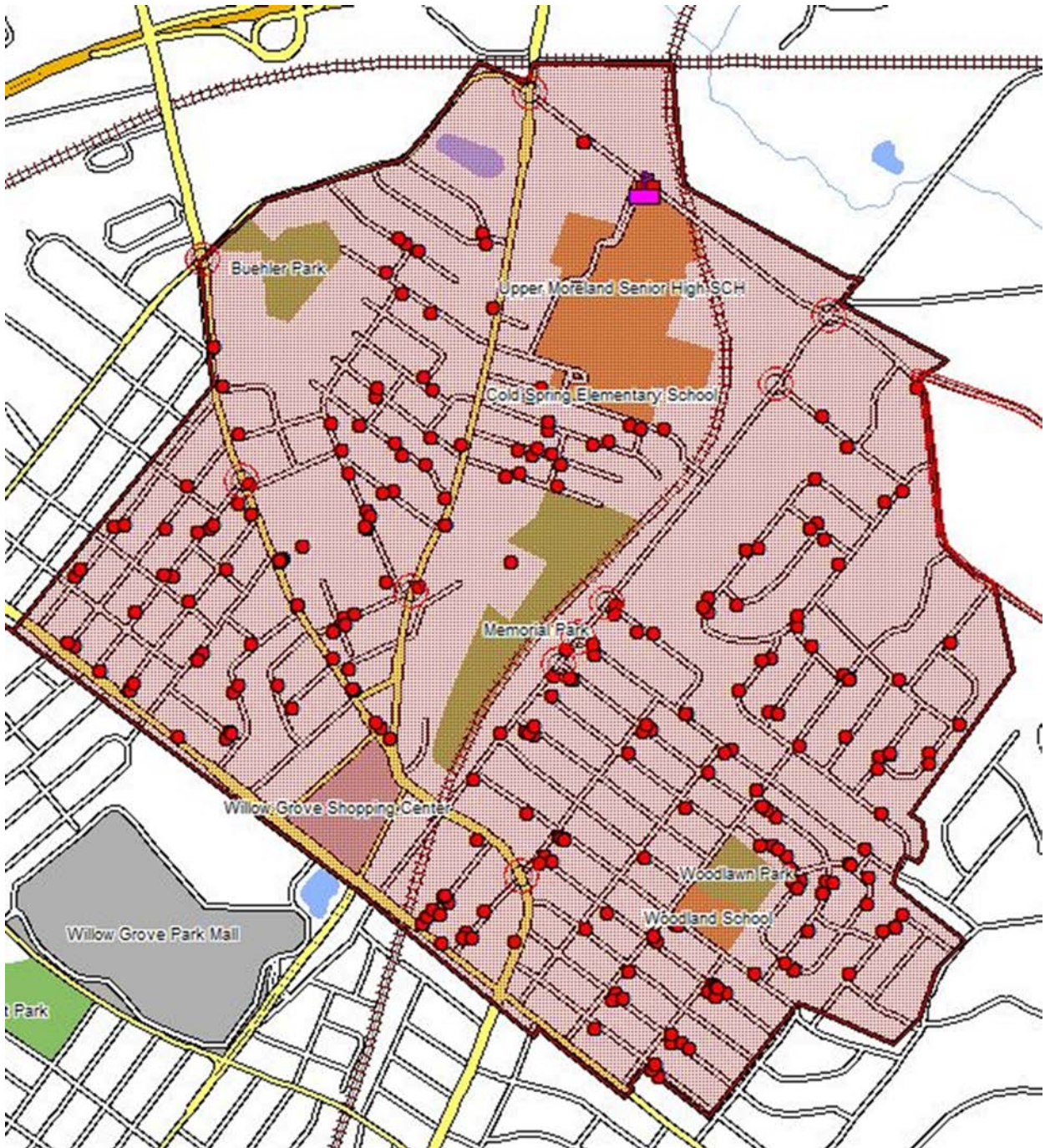


Middle School – 4000 Orangemans Rd. Hatboro, PA 19040








High School – 3000 Terwood Rd. Willow Grove, PA 19090



Key:

-  Pink flags represent the School
-  Red dots represent student's homes
-  Hazardous intersections as deemed by PennDot



Section II:  
Application for the Evaluation of a  
Hazardous Walking Route

# HAZARDOUS WALKING ROUTE ENGINEERING AND TRAFFIC STUDY

PLEASE TYPE OR PRINT ALL INFORMATION IN BLUE OR BLACK INK


**pennsylvania**

DEPARTMENT OF TRANSPORTATION

www.dot.state.pa.us

## A - LOCATION INFORMATION

COUNTY	MUNICIPALITY		
STREET NAME	TOWNSHIP ROAD #		
SR#	SCHOOL DISTRICT		
BETWEEN:	Segment:	Offset:	To Segment: Offset:
Location:		To Location:	
Side of Street: <input type="checkbox"/> EAST <input type="checkbox"/> WEST <input type="checkbox"/> NORTH <input type="checkbox"/> SOUTH			

## B - REFERENCE INFORMATION

REFERENCE MUTCD	SECTION(S) 7A.01 and 7A.02
REFERENCE PUB 46	SECTION(S) Chapter 7.3 and Appendix 7B-1 and 7C-1
REFERENCE Other	SECTION(S) 67 Pa. Code, Chapter 447

## C - STUDY ELEMENTS

### FROM PUB 212 APPENDIX:

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Crash Analysis (1)                        | <input type="checkbox"/> Pedestrian Volumes (12) | <input type="checkbox"/> Traffic Volumes (20) _____ |
| <input type="checkbox"/> Arrival & Departure Hours of Students (5) | <input type="checkbox"/> School Route Plan (15)  | <input type="checkbox"/> Other _____                |
| <input type="checkbox"/> Gap Study for School Children (7)         | <input type="checkbox"/> Sight Distance (16)     | _____   |
| <input type="checkbox"/> Geometric Review (8)                      | <input type="checkbox"/> Speed Data (17)         |   |

## D - ATTACHMENTS LISTING

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

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

### 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, re-produced, 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								
<p>1. Location of school student walking route: _____ _____ _____</p> <p>2. a. Typical roadway width? _____ ft. b. Shoulder width? _____ ft. c. Approximate Length? _____ ft.</p> <p>3. Are sidewalks present? <input type="checkbox"/> YES <input type="checkbox"/> NO Are shoulders present? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>4. Is this a request for a re-evaluation of a previously inspected route? <input type="checkbox"/> YES <input type="checkbox"/> NO  If yes, when was it last reviewed and what was the finding? _____ _____ _____</p>	<p>5. During what time periods are students using the subject route?</p> <table style="width: 100%;"><thead><tr><th style="text-align: center;">Elementary Students</th><th style="text-align: center;">Secondary Students</th></tr></thead><tbody><tr><td>(a) Morning _____ to _____</td><td>(a) Morning _____ to _____</td></tr><tr><td>(b) Mid-day _____ to _____</td><td>(b) Mid-day _____ to _____</td></tr><tr><td>(c) Afternoon _____ to _____</td><td>(c) Afternoon _____ to _____</td></tr></tbody></table> <p>6. Which 15-minute time period has the greatest vehicular traffic volume while:</p> <p>(a) Elementary students are enroute? _____ to _____ 15-minute volume: _____</p> <p>(b) Secondary students are enroute? _____ to _____ 15-minute volume: _____</p> <p>7. How many pedestrian-related accidents occurred in the study area in the last 36 months during the hours students are normally going to or from school? _____  <i>(If any pedestrian accidents occurred, please attach a copy of each police accident report and indicate the location of the accident on the accompanying map The walking route between two or more accident locations is hazardous.)</i></p>		Elementary Students	Secondary Students	(a) Morning _____ to _____	(a) Morning _____ to _____	(b) Mid-day _____ to _____	(b) Mid-day _____ to _____	(c) Afternoon _____ to _____	(c) Afternoon _____ to _____
Elementary Students	Secondary Students									
(a) Morning _____ to _____	(a) Morning _____ to _____									
(b) Mid-day _____ to _____	(b) Mid-day _____ to _____									
(c) Afternoon _____ to _____	(c) Afternoon _____ to _____									

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.