TE-103 (7-09)

NO PASSING ZONE 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#	SEGMENT

RESTRICTED BETWEEN: Segment: Offset: To Segment: Offset:

Location: to Location:

B - REFERENCE INFORMATION

REFERENCE	SECTION(S)
Chapter 212	212.112 and 212.202
MUTCD	2B.29, 2B.30, 2C.35 and 3B.02
PUB 46	Chapter 11.4 and 2.4.7
Vehicle Code Title 75 Pa. C.S.	§3307 and 6109(a)(12)

C - STUDY ELEMENTS

FROM PUB 212 APPENDIX:

- ☐ Crash Analysis (1)
- ☐ Arrival & Departure Hours of Students (5)
- ☐ Gap Study for School Children (7)
- ☐ Geometric Review (8)
- ☐ Pedestrian Volumes (12)
- ☐ School Route Plan (15)
- ☐ Sight Distance (16)
- ☐ Speed Data (17)
- ☐ Traffic Volumes (20)_____
- ☐ 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 _____
- _____

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

1. a. What is the width of the roadway? _____ ft.
   b. Does roadway cross-section have excessive crown? ☐ YES ☐ NO
2. a. What is the width of the shoulders? _____ ft.
   b. Do roadside obstructions encroach shoulder? ☐ YES ☐ NO
3. Is the passing zone in advance of a divided highway or an obstruction (such as a bridge support pillar, a channeling island or a safety zone)? ☐ YES ☐ NO
4. Is it on, within or in advance of any bridge, tunnel or underpass? ☐ YES ☐ NO
5. Is it in advance of a STOP sign, YIELD sign or traffic signal? ☐ YES ☐ NO
6. Is it in advance of an approach to a highway-rail grade crossing? ☐ YES ☐ NO
7. Is it approaching an intersection where passing may be undesirable due to the high number of crossing or turning movements? _____ ☐ YES ☐ NO
8. Is it in a school zone? _____ ☐ YES ☐ NO
9. Are there many driveways and intersections? ☐ YES ☐ NO
10. Would the passing zone be less than 600 ft? ☐ YES ☐ NO
11. Can passing be done safely at a better location? ☐ YES ☐ NO
12. How close is the next nearest passing zone in the same direction? _____ ft.
13. Does the proposed no passing zone have the minimum advance distance? ☐ YES ☐ NO
14. Total number of crashes during the last 12 month period. _____.

F - SITE DATA (CONTINUED)

15. Are the majority of the crashes related to passing? . . . . . ☐ YES ☐ NO

16. The 20 _____ ADT is _____.

17. Would the traffic volumes limit the opportunities for passing? . . . . . ☐ YES ☐ NO

18. a. The existing posted speed limit is _____MPH.
    b. 85th percentile speed_____ MPH.
    c. 15th percentile speed_____ MPH.

NOTE: Use safe running speed when the 85th percentile speed cannot be obtained.

19. Is the no passing zone approved? . . . . . ☐ YES ☐ NO

20. Safe running speed is:

North Bound/East Bound

Run No. 1 _____ MPH.
Run No. 2 _____ MPH.
Run No. 3 _____ MPH.
Run No. 4 _____ MPH.
Run No. 5 _____ MPH.
Total 0
divided by
= NaN MPH.

South Bound/West Bound

Run No. 1 _____ MPH.
Run No. 2 _____ MPH.
Run No. 3 _____ MPH.
Run No. 4 _____ MPH.
Run No. 5 _____ MPH.
Total 0
divided by
= NaN MPH.

Average Safe Running Speed is 0 **MPH.**

NOTE: Safe Running samples should normally consist of at least 100 observations although 50 observations is acceptable on low volume highways.

G - REMARKS

H - ENGINEERING JUDGEMENT

I - APPROVALS

Comments:

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