TE-106 (7-09)

ONE-WAY STREETS 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

B - REFERENCE INFORMATION

REFERENCE	SECTION(S)
Chapter 212	212.113
MUTCD	2B.37
PUB 46	Chapter 2.4.8
Vehicle Code Title 75 P.a. C.S.	§ 3308 and 6109(a)(4)

C - STUDY ELEMENTS

FROM PUB 212 APPENDIX:

- ☐ Crash Analysis (1)
- ☐ Capacity Analysis (6)
- ☐ Geometric Review (8)
- ☐ Parallel Streets (9)
- ☐ 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

Attach a map showing street names for local roads (if applicable), SR numbers for state roads, and the new traffic patterns on the affected streets

1. The 20 _____ ADT on all affected streets is:
2. Can the traffic flow be accommodated in both directions? ☐ YES ☐ NO
3. Can a one-way couplet be formed? ☐ YES ☐ NO
4. Are there a reasonable number of intersections for entrance to or exit from the one-way street or one-way street system? ☐ YES ☐ NO
5. Indicate by a drawing or map that the terminal points of the one-way street or one-way couplet will provide satisfactory transition from the one-way to two-way operation. (Attach drawing or map to the study)
6. Is there an expected reduction in intersection delay? ☐ YES ☐ NO
7. Can existing mass transit and emergency vehicle movements be satisfactorily and expeditiously accommodated? ☐ YES ☐ NO
8. Has a resolution or ordinance been enacted? (Attach a copy) ☐ YES ☐ NO

F - SITE DATA (CONTINUED)

9. The signs necessary to legalize the one way streets will be purchased, erected, and maintained by:

☐ Local municipality (list name) _____

☐ Department

☐ Other (list name) _____

10. Indicate by a sketch the signing to be installed. (list each type seperately)

A. Sign no. from PUB 236 (a) _____ (b) _____ (c) _____

B. No. of signs to be installed (a) _____ (b) _____ (c) _____

C. Sign locations (a) _____

(b) _____

(c) _____

D. Sign messages (a) _____

(b) _____

(c) _____

11a. Is Department approval required? . . . . . ☐ YES ☐ NO

b. If "yes," has the approval been obtained? . . . . . ☐ YES ☐ NO

12. The municipality agrees to purchase, erect, and maintain the signs necessary to legalize the above one-way street restrictions at no cost to the Department. . . . . ☐ YES ☐ NO

G - REMARKS

H - ENGINEERING JUDGEMENT

I - APPROVALS

Comments:

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