

STAA EXPANDED ACCESS ROUTE TRAFFIC STUDY

PLEASE TYPE OR PRINT ALL INFORMATION IN BLUE OR BLACK INK



NOTE: TE-149 FORM TO BE CONDUCTED AND APPROVED BY PENNDOT STAFF OR MUNICIPAL OFFICIAL

A - LOCATION INFORMATION

COUNTY(IES):
MUNICIPALITY(IES):
REQUESTED ROUTE DESCRIPTION: (ATTACH FROM APPLICATION)

B - REFERENCE INFORMATION

REFERENCE: Vehicle Code Title 75 Pa. C.S.	SECTION(S): 4908, 4923
REFERENCE: Pennsylvania Code Title 67	SECTION(S): Chapter 209
REFERENCE: Publication 46	SECTION(S): Chapter 1, Page 1-16 through 1-25
REFERENCE: Publication 411	SECTION(S): All

C - STUDY ELEMENTS

FROM PUBLICATION 212 APPENDIXES:

- | | | |
|---|--|---|
| <input type="checkbox"/> Crash Analysis (1) | <input type="checkbox"/> Past Experience (10) | <input type="checkbox"/> Traffic Volumes (20) |
| <input type="checkbox"/> Alternate Route (3) | <input type="checkbox"/> Roadside Development (13) | <input type="checkbox"/> Other |
| <input type="checkbox"/> Geometric Review (8) | <input type="checkbox"/> Roadside Obstruction (14) | |

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"/> 8. Crash Rate | <input type="checkbox"/> 15. STAMPP Identification Data |
| <input type="checkbox"/> 2. Letter of Memo Requesting Study | <input type="checkbox"/> 9. Collision Diagram Plot | <input type="checkbox"/> 16. Speed Limit |
| <input type="checkbox"/> 3. Location Map | <input type="checkbox"/> 10. Speed Study | <input type="checkbox"/> 17. Traffic Signal Permit Plan |
| <input type="checkbox"/> 4. Straight Line Diagram | <input type="checkbox"/> 11. Warrant Analysis | <input type="checkbox"/> 18. Structural Analysis |
| <input type="checkbox"/> 5. Photography/Video | <input type="checkbox"/> 12. Multi-Way Stop or Truck Restriction Worksheet | <input type="checkbox"/> 19. Professional Engineer Seal |
| <input type="checkbox"/> 6. Field View Notes Drawing or Condition Diagram | <input type="checkbox"/> 13. Pavement Analysis | <input type="checkbox"/> 20. Other |
| <input type="checkbox"/> 7. Crash Extract | <input type="checkbox"/> 14. Traffic/Pedestrian Volumes | |

Confidential - Traffic Engineering and Safety Study (For Department Use Only)

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 - PASS/FAIL CRITERIA REVIEW

1. Weight Restriction:

a. Does any segment of the proposed route have a weight restriction: Yes No

i. If yes:

1. What is the posted weight limit: _____

2. Identify the segment roadway: _____

2. Height Restriction:

a. Does any segment of the proposed route have a height restriction: Yes No

i. If yes:

1. What is the posted clearance: _____

2. Identify the segment roadway: _____

3. Lane Width Characteristics:

a. Lane widths

i. Lanes greater than 10 feet in width may be approved unless justified otherwise.

ii. Lanes less than 10 feet in width should be rejected unless justified otherwise.

iii. Lanes less than 9 feet in width are to be rejected.

See TRB special report 223 *Providing Access for Large Trucks* for more information.

Routes that include "Yes" answers in questions 1 or 2, or have lane widths of less than 10 feet will need additional justification before continuing to Section G.

F - ALTERNATIVES

1. Are other means of accessing the terminal point available: Yes No

a. Can a special hauling permit be obtained: Yes No

b. Can smaller loads be hauled: Yes No

2. What is the specific load: _____

3. What is the need for access: _____

G - REASONABLE ACCESS REVIEW DATA

PERSON CONDUCTING STUDY:	TITLE:	DATE DATA COLLECTED:
--------------------------	--------	----------------------

1. General Roadway Characteristics:

a. Roadway Length: _____ miles

b. Posted Speed Limit: _____ mph

c. Number of lanes: _____ lanes

d. Shoulders: Yes No

i. If yes, what is the width: _____ feet N/A

ii. If yes, type of shoulder: _____

2. Grades:

a. Classified long steep grades: 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 the Pennsylvania Department of Transportation.

G - REASONABLE ACCESS REVIEW DATA (CONTINUED)

Location: _____

b. Posted steep grades: Yes No

Location: _____

c. Other grades that could affect truck speed: Yes No

Location: _____

3. Existing Truck Usage:

a. Is there an existing high crash location: Yes No

i. If yes, are crashes involving trucks: Yes No N/A

4. Intersection Characteristics:

a. Are intersection corner radii appropriate for larger vehicles to make turns: Yes No

b. Are right and left turn lanes wide enough to allow larger vehicles the needed lateral movement to make wide turns without encroaching on other lanes: Yes No

c. Do any intersections have inadequate sight distance: Yes No

i. If yes, list the intersections: _____

5. Roadside Obstructions:

a. Is there any visible indication of roadway or roadside damage due to vehicular traffic:..... Yes No

6. Grade Crossings:

a. Are any intersections along the proposed route close enough to a grade crossing to create a conflict:..... Yes No

i. If yes:

1. Identify the intersection: _____

2. What is the approximate distance between the intersection and the grade crossing: _____ feet

3. Are there any low clearance issues at grade crossings: _____

7. Lane Width Characteristics:

a. If trucks must change lanes to negotiate a proposed route, will traffic allow the longer gaps necessary to change lanes: Yes No N/A

b. Will the posted speed limit in those areas, where trucks must change lanes to negotiate the proposed route, jeopardize the safety of vehicles combinations with 2 trailers: Yes No N/A

c. Are left-turn lanes of sufficient length that longer combinations will not overload those lanes: Yes No N/A

d. Are there any narrow bridges: Yes No
If yes, where: _____

e. Is the road a designated bike route: Yes No

8. Other Roadway Characteristics:

a. Advisory Signs:

i. Does any segment of the proposed route have any posted advisory sign: Yes No

1. If yes:

a. Identify the segment(s) of roadway: _____

G - REASONABLE ACCESS REVIEW DATA (CONTINUED)

- b. What kind of advisory signs have been posted: Speed Turn, Curve, or Winding Road
 Truck Rollover Hill
 Truck Escape Route Road Narrows
 Narrow Bridge, One Lane Bridge Bump, Dip, Speed Hump

- b. Are there sections of the route with sharp curves: Yes No
c. Are the shoulders along sharp curves sufficiently strong to support the loads associated with off-tracking: Yes No N/A
d. On sections of two-lane highway, are passing zones of sufficient length to accommodate larger vehicles: Yes No N/A

9. Adjacent Land Uses:

- a. What does the proposed route pass through: Rural District Residential District Commercial District
b. Does the route pass by: Schools Parks Other uses with young and/or mature pedestrians
c. Will the number of driveways along the proposed route present a conflict with the larger trucks: Yes No
d. If a particular leg of the proposed route presents a conflict, is there a workable alternate route: Yes No

10. Test Run:

- a. Is a test run advised: Yes No
b. Was a test run conducted: Yes No
c. If a test run was conducted, were any difficulties encountered: Yes No
i. If yes, identify the location where difficulties were encountered _____

H - REMARKS

I - APPROVALS

CONDUCTED BY: (PRINT)	TITLE:	DATE:
CONDUCTED BY: (SIGNATURE)		
APPROVED BY: (PRINT)	TITLE:	DATE:
APPROVED BY: (SIGNATURE)		

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 the Pennsylvania Department of Transportation.