

ENGINEERING AND TRAFFIC STUDY FOR RESTRICTIONS AS TO WEIGHT, SIZE, KIND OR CLASS, OR TYPE OF LOAD BASED ON HIGHWAY, BRIDGE, OR TRAFFIC CONDITIONS

PLEASE TYPE OR PRINT ALL INFORMATION IN BLUE OR BLACK INK

NOTE: TE-109 FORM IS TO BE COMPLETED AND APPROVED BY A PROFESSIONAL ENGINEER

A - LOCATION INFORMATION	
COUNTY:	MUNICIPALITY:
STREET NAME:	
LOCAL ROAD #:	STATE ROAD #:
POSTED SPEED LIMIT (PROVIDE SPEED LIMIT RANGE IF VARIES):	ADT (PROVIDE ADT RANGE IF VARIES):
RESTRICTED BETWEEN: SEGMENT: OFFSET:	TO SEGMENT: OFFSET:
LOCATION:	TO LOCATION:
B - REFERENCE INFORMATION	
REFERENCE: Chapter 212	SECTION(S): 212.117(a), (b), (c), (d)
REFERENCE: MUTCD	SECTION(S): 2B.49
REFERENCE: PUB 46	SECTION(S): Chapters 2.4, 11.7.2, and 11.7.3
REFERENCE: Vehicle Code Title 75 Pa. C.S.	\$ 4902(a), (b) and 6109(a)(7)(13)
REFERENCE: PA Code Title 67 Pa. C.S.	SECTION(S): Chapters 189, 191, and 193
REFERENCE: PUB 23	SECTION(S): Chapter 15.2
REFERENCE: PUB 238	SECTION(S): Chapter 4
REFERENCE: BRIDGE MGMT. SYSTEM	SECTION(S): Items 4A02, 4A10, 4A15, VP02, VP03, VP04, VP05
C - STUDY ELEMENTS	
FROM PUB 212 APPENDIX: Crash Analysis (1) Geometric Review (8) Past Experience (10) Provement An Speed Data (17)
D - ATTACHMENTS LISTING	
CHECK THOSE THAT APPLY AND ATTACH TO THIS FORM IN THE ORD 1. 10-Day Response Letter 2. Letter or Memo Requesting Study 3. Location Map 4. Straight Line Diagram 5. Photographs 6. Field View Notes Drawing or Condition Diagram 7. Crash Extract 11. Traffic/Pedestrian	15. STAMPP Identification Data 16. Speed Limit 17. Traffic Signal Permit Plan 18. Structural Analysis 19. Other 19. Other

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 C.S.3754 and 23 U.S.C. 407 and may not be published, reproduced, released or discussed without the written permission of the Pennsylvania Department of Transportation.

E - SITE OBSERVATIONS						
OPERATIONAL CHECKLIST:						
	s view of pedestrians or approaching vehicles?	TYES	□NO	□ N/A		
	signals, signs, or other traffic control devices?		□ NO	□ N/A		
	kid marks, property damage, tree/bush damage, broken gi		□ NO	□ N/A		
	or other traffic regulations?		☐ NO			
, -	out routes, street names, or other guidance inform			∐ N/A		
• • • • • • • • • • • • • • • • • • • •	, ,		□ NO	□ N/A		
•	n during peak hours for volume, crash evidence, ar		□ NO	□ N/A		
	es or traffic conflict patterns associated with turning		∐ NO	□ N/A		
,	d/or congestion?	<u>—</u>	∐ NO	□ N/A		
	conflicts?	—	NO	☐ N/A		
10. Are there other traffic flow defi	iciencies or traffic conflict patterns?	YES	∐ NO	□ N/A		
PHYSICAL CHECKLIST:						
1. Can sight obstructions be remo	oved or lessened?	YES	☐ NO	☐ N/A		
2. Do the street alignments or wid	dths adequately accommodate the type of traffic us	ing the roadway? YES	☐ NO	☐ N/A		
3. Are curb radii adequate for turr	ning vehicles?	YES	☐ NO	□ N/A		
4. Are pedestrian crosswalks prop	perly located?	YES	☐ NO	□ N/A		
5. Does the usefulness, message	e, size, and replacement of the traffic signs conform	to standards? YES	□ NO	☐ N/A		
Does the placement, visibility, glar	re, number of signal heads, and timing of the traffic sigr	nals conform to standards? YES	☐ NO	☐ N/A		
7. Does the location of the pavem	nent markings conform to standards?	TYES	NO	□ N/A		
8. Is channelization (islands or pa	avement markings) adequate for reducing conflict a	reas,				
, , ,	fining movements?	_	□NO	□ N/A		
	layout affect sight distance for through or turning		☐ NO	□ N/A		
	display any signs of base pushing, cross section de					
·	nboard, slick surface, etc.), or shoulder damage? .		□NO	□ N/A		
,,	nate turning radii, horizontal width, or under clearan		☐ NO	□ N/A		
The Bood the Highway have deequ	ate turning radii, nonzontal watir, or ander olearan					
F - SITE DATA						
DATE DATA COLLECTED:	PERSON CONDUCTING STUDY:	TITLE:				
HICHWAY DECTRICTION, THE DECT		(C) INDICATED:				
	TRICTION IS BEING PLACED FOR THE REASON cable criteria shall be indicated by N.A. in the space	,				
l — ` ` ` ` · · · · · · · · · · · · · · ·	has inadequate turning radii, horizontal width, or u		ations and (certain		
		inder clearance at one or more loca	ations and t	, er talli		
vehicle classes, loads or sizes should be prohibited. Past Experience- An analysis of highways under similiar climatic conditions indicated that certain weight vehicles should have been or should						
be prohibited from the highway.	griways ander similar similate soriations indicated th	at octain weight vehicles should ha	re been or e	niouiu		
	analysis and/or engineering judgement indicated eit	ther existing physical deterioration	due to heav	vv vehicle use		
	use requires that certain weight vehicles be prohib			,, , , , , , , , , , , , , , , , , , , ,		
avement Type: Thickness:						
General Condition:						
Base Pushing:						
oderate/Severe Fatigue Failure of Surface: Shoulder Damage:						
Othern						

This traffic engineering and safety study is confidential pursuant to 75 Pa. C.S. 3754 and 23 U.S.C. 407 and may not be disclosed or used in litigation without written permission from PennDOT.

F - SITE DA	TA (CONTINUED)								
Traffic Generators- One or more of the following traffic generators exits or is in the planning and/or development stage and can only be reached by this road:									
	Coal Strip Mining	Horizontal Well (i.e. Ma	arcellus Shale)	Vertical Gas Wells	Water Withdrawal				
	Quarry Operation	Manufacturing or Asser	mbly Plant	Shopping Mall	Water Treatment Facility				
	Warehouse	Trucking Terminal		Logging					
	Other								
· ·	Other Other								
Base Pushing:		Cros	ss Section Deterio	ration:					
Moderate/Seve	ere Fatigue Failure of Surface:	Sho	ulder Damage:						
Other:									
EXISTING BRIDGE RESTRICTION AS PER PUBLICATION 238 (See Note Below): Does the bridge have poor alignment, or substandard horizontal or vertical clearance?									
G - REMAR	KS								
H - ENGINE	ERING JUDGEMENT								
L ARREOV	A1								
I - APPROV	AL) & APPROVED BY PROFESSI	ONAL ENGINEER:	PROFESSIO	NAL ENGINEER SEAL:					
			1.1101.20010						
NAME (PRINT	Г):		_						
TITLE		DATE							
		DATE:							
SIGNATURE:			_						

This traffic engineering and safety study is confidential pursuant to 75 Pa. C.S. 3754 and 23 U.S.C. 407 and may not be disclosed or used in litigation without written permission from PennDOT.