

**TOWNSHIP OF SHAMONG**  
**ORDINANCE 2016-7**

**AMENDING AND SUPPLEMENTING CHAPTER 147 OF  
THE TOWNSHIP CODE TO IMPLEMENT ADDITIONAL MEASURES FOR  
INTERSECTION SAFETY**

**WHEREAS**, the Township of Shamong recognizes a finding by the National Highway Traffic Safety Administration (NHTSA) that more than twenty (20) percent of all traffic fatalities in the United States occur at intersections, both signalized and unsignalized; and

**WHEREAS**, The Township further acknowledges that inadequate sight distance at intersections due to obstructions in the sight triangle (in the median or on the roadside) is a leading cause of automobile accidents and related fatalities.

**NOW, THEREFORE, BE IT ORDAINED** by the Township Committee of the Township of Shamong, County of Burlington, State of New Jersey that the Code of the Township of Shamong be amended as follows:

**SECTION ONE.**

Chapter 147, “Streets and Sidewalks” is hereby amended by adding a new Article V: “Intersection Safety” as follows:

**Article V: Intersection Safety**

**§147-25: Purpose.**

The purpose of this article is to address inadequate sight distance conditions at intersections in the Township due to obstructions in the sight angle of the driver, so as to protect public safety and welfare and to prescribe penalties for the failure to comply.

**§147-26: Definitions, Word Usage.**

For the purpose of this article, the following terms, phrases, words and their derivations shall have the meanings stated herein unless their use in the text of this article clearly demonstrates a different meaning. When not inconsistent with the context, words used in the present tense include the future, words used in the plural number include the singular number, and words used in the singular number include the plural number. The word “shall” is always mandatory and not merely directory.

## **INTERSECTION SIGHT DISTANCE OR “SIGHT DISTANCE”:**

The distance a motorist can see approaching vehicles before their line of sight is blocked by an obstruction near the intersection. The driver of a vehicle approaching or departing from a stopped position at an intersection should have an unobstructed view of the intersection, including any traffic control devices, and sufficient lengths along the intersecting roadway to permit the driver to anticipate and avoid potential collisions.

## **OBSTRUCTION:**

For purposes of this Article, an obstruction includes, but is not limited to cut slopes, tall crops, hedges, bushes, trees, parked vehicles, mailboxes, utility poles, buildings, signs or any other object or growth that might block a motorist’s line of sight.

## **CLEAR SIGHT TRIANGLE:**

The area needed for provision of an unobstructed view for a motorist. The “clear sight triangle” is defined as that area which is bounded by the center line of the curb lanes of each approach and the straight line connecting sight points, as illustrated by Figure 6-A below.

## **INTERSECTION SIGHT DISTANCE (ISD):**

Is measured along the major road beginning at a point that coincides with the location of the minor road vehicle. Figure 6-A below provides the recommended values for ISD.

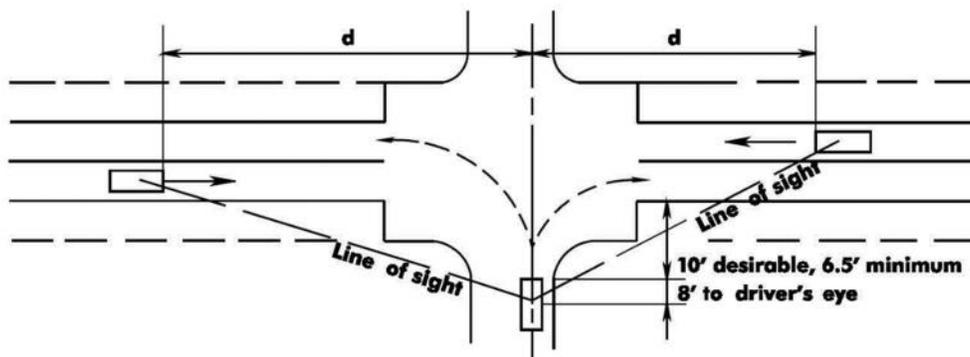
**FIGURE 6-A:  
SIGHT DISTANCE AT INTERSECTIONS FOR LEFT, OR RIGHT  
TURNING & CROSSING VEHICLES WITH STOP CONTROL**

Intersection Sight Distance(d) Stop Control on Minor Road Two Lane Highway						
Design Speed	Left-Turn			Right-Turn or Cross		
	P	SU	WB	P	SU	WB
25	280	350	425	240	315	385
30	335	420	510	290	375	465
35	390	490	595	335	440	540
40	445	560	680	385	500	620
45	500	630	760	430	565	695
50	555	700	845	480	625	775
55	610	770	930	530	690	850
60	665	840	1015	575	750	930
65	720	910	1100	625	815	1005
70	775	980	1185	670	875	1085

For highways with more than 2 lanes or when approach grade on minor road exceeds 3%, the distance (d) must be calculated using the formula:  $d=1.47Vt_g$

Design Vehicle	Time Gap, $t_g$ Left-Turn	Time Gap, $t_g$ Right-Turn & Cross
P	7.5 (See Notes)	6.5 (See Notes)
SU	9.5 (See Notes)	8.5 (See Notes)
WB	11.5 (See Notes)	10.5 (See Notes)

- Notes: 1. For left turn or crossing add 0.5 sec. for P and 0.7 sec. for SU & WB for each additional lane crossed.
2. For each percent the upgrade on minor road exceeds 3%, add 0.1 sec for right turn or crossing and 0.2 sec for left turn



Source: A policy on Geometric Design of Highways and Streets.

**PERSON:**

Any individual, corporation, company, partnership, firm, association or political subdivision of this state subject to municipal jurisdiction.

**§147-27: Sight triangle at street and driveway intersections.**

- A. A clear sight triangle shall be located at every street intersection with another street or a private driveway.
- B. The placement of crops, hedges, trees, parked vehicles, mailboxes, utility poles, buildings, signs or any other object or growth that might obstruct or block a motorist's clear sight triangle is hereby prohibited.
- C. The distances for the sight triangle at intersections without traffic control shall be based on the authorized speed in accordance with the Intersection Sight Distance table in Figure 6-A above.
- D. Existing obstructions to the clear sight triangle shall be removed within three-hundred-sixty-five (365) days of the passage of this Ordinance.
- E. Clear sight triangle easements shall remain required for any new construction in accordance with Chapter 110, Article VII of the Code of the Township of Shamong.

**§147-28: Enforcement.**

This article shall be enforced by the Code Enforcement Officer and/or other municipal officials of Shamong Township.

**§147-29: Violations and penalties.**

Any person(s) who is found to be in violation of the provisions of this article shall be subject to a fine not to exceed those limits established by §1-15 of the Code of the Township of Shamong for each obstruction to the clear sight triangle that is not removed in accordance with this Ordinance.

**SECTION TWO.**

All Ordinances and provisions thereof inconsistent with the provisions of this Ordinance shall be and are hereby repealed to the extent of such inconsistency.

**SECTION THREE.**

If any section, paragraph, subdivision, clause or provision of this Ordinance shall be adjudged invalid, such adjudication shall apply only to the section, paragraph, subdivision, clause or provision and the remainder of this ordinance shall be deemed valid and effective.

**SECTION FOUR.**

This ordinance shall take effect immediately upon final passage and publication according to law.

I, Susan D. Onorato, Township Clerk of the Township of Shamong, County of Burlington, State of New Jersey, do hereby certify that this ordinance was passed on first reading at a meeting of the Township Committee held on June 14, 2016, and will be further considered for adoption following a public hearing to be held on July 5, 2016, at 7:30 p.m. at the Shamong Municipal Building.

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Susan D. Onorato, RMC

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Notice is hereby given that the Ordinance entitled above was adopted, following second reading and public hearing at the regular meeting of the Township Committee of the Township of Shamong, Burlington County, State of NJ on July 5, 2016 at 7:30 PM, held in the Municipal Building, 105 Willow Grove Road, Shamong, NJ.

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Susan D. Onorato, Township Clerk