TRAFFIC ENGINEERING FOR PEDESTRIAN SAFETY

Traffic engineering utilizes engineering principles to achieve the efficient movement of people and goods on roadways. For this particular initiative, traffic engineering methods focus on pedestrian safety that is specific to the built environment, including sidewalks, traffic signals, curbs, crosswalks, road surface markings and signage.

Why use traffic engineers?

All pedestrian treatments should be installed only as a result of an engineering study. Physical improvements designed by traffic engineers ensure that all strategies and equipment are in compliance with the federally mandated Manual on Uniform Traffic Control Devices.
What are the benefits?

Using a traffic engineer to design improvements to pedestrian safety and accessibility is important in that:

• We are all pedestrians at some time
• One-third of the population does not own a car
• Other modes of transportation interact with pedestrians
• Pedestrian traffic is good for commerce
• Walking, jogging, and running promote healthier lifestyles
• Traffic engineering renders the roads safer for ALL users