

## 1. Problem:

We want to focus on a weak point on Polish roads: pedestrian crossings. Too many accidents result in human deaths or very serious injuries. In our opinion drivers' speed is the main reason for such accidents. We expect to reduce the number of collisions and decrease the impact of such collisions when they occur.

## 2. Objectives:

- 1) Pick two or three pedestrian crossings with high rate of accidents where most drivers are not permanent users of the road and use **thermoplastic 3d markings** to emphasise the road horizontal signing.
- 2) Reducing drivers speed by 10-20 km/h
- 3) Reduce number of fatal accidents with pedestrians
- 4) Reduce number of serious injuries

## 3. Target group:

- 1) Pedestrians!!! – habitants of nearby villages, citizens – make them aware of the danger and the possible solution- convince them to force local authorities
- 2) Local authorities - they also gets some benefits. By improving pedestrians safety they obtain citizens' trust and support
- 3) Company producing 3d road marks – free advertising and promotion

## 4. Activities / time schedule:

- 1) Speak with some companies which are implementing road marking (for example: PREMARK- the company which is currently making 3d markings) and convince them to cooperate with us. (*June/July*)
- 2) Identify few pedestrian crossings with a high rate of accidents (to find information on this topic we ask: Police, Road Management in Cracow; they help us identify right crossings - black spots). (*~June*)
- 3) Local inspection focused on citizens, users of road (interview with local people, questionnaire). (*~July*)
- 4) Show local people our idea and convince them of the necessity of our solution, gain local support. (*~July*)
- 5) Get permission from Road Management to implement 3d road signing. (*~July*)
- 6) 1<sup>st</sup> speed measurement (before application) (*~August*)

- 7) Implementation of markings (with the help from a company that agrees to help us). (*~August*)
- 8) 2<sup>nd</sup> speed measurement (just after application). (*~September*)
- 9) 3<sup>rd</sup> speed measurement (after few months). (*~January*)
- 10) Prepare report – conclusion, measurements results, comparing with planned results.

## **5. Expected Impact:**

We think and believe that our project is realistic to achieve. It is relatively cheap and it should not be a problem to implement it. Also the effect of applied marking could be easy to get by comparing three measurements results.