

Ostrava, 23.5.2011

## STARS Mid-term Visit

**Names :** Jan Skupník, Aneta Šimáčková  
**City/University :** Ostrava, VŠB - TU Ostrava  
**Project name (if any) :** Speed reducing on level crossing

*Picture of the team*



### 1. Project proposal

Optical - psychological brake which is installed on road surface. This type of optical - psychological brake is designed by prof. Pflieger from research institute EPIGUS in Vienna, is specially designed for level crossing. In The Czech republic haven't used yet.

*Picture of the site before the implementation*





## 2. Site to be treated

### - Why this site?

We were looking for a suitable place for a long time. We researched statistics of accidents on level crossings which provided us Rail Safety Inspection. Finally we chose 3 level crossings. 2 of them were unusable for our project. For our project finally we selected level crossing between Malé a Velké Hoštice on the road I/56. Its identification number is P 7868.

## 3. Content visit

We visited the place where we are going to install an optical - psychological brake on 11.05.2011. After we met with our head of department doc. Ivana Mahdalová Ph.D. at our university.





#### 4. Implementation process

We going to install our project in term 13.6.2011 - 19.6.2011. We would like to use thermoplastic material on our brake.

#### 5. Next steps

In terms 11.6.2011 -19.6.2011 we would like measure speed before our installation, install our measures and measure speed after our implementation. Until 11.6.2011 we have to arrange all permit.



## 6. Additional information

During our research, on our spot was 2 accidents. First was 30.3.2011. There were 26 light injured people. Collision was between train and long vehicle. More information <http://www.dicr.cz/26-zranenych-pri-stretnuti-na-prejezdu-1>



Second was 2.4.2004. There were 3 light injured people. Collision was between taxi and train. More information <http://www.dicr.cz/dalsi-nehoda-na-prejezdu-mezi-velkymi-a-malymi-hosticemi>