



Civil Engineering
Infrastructure and transport systems

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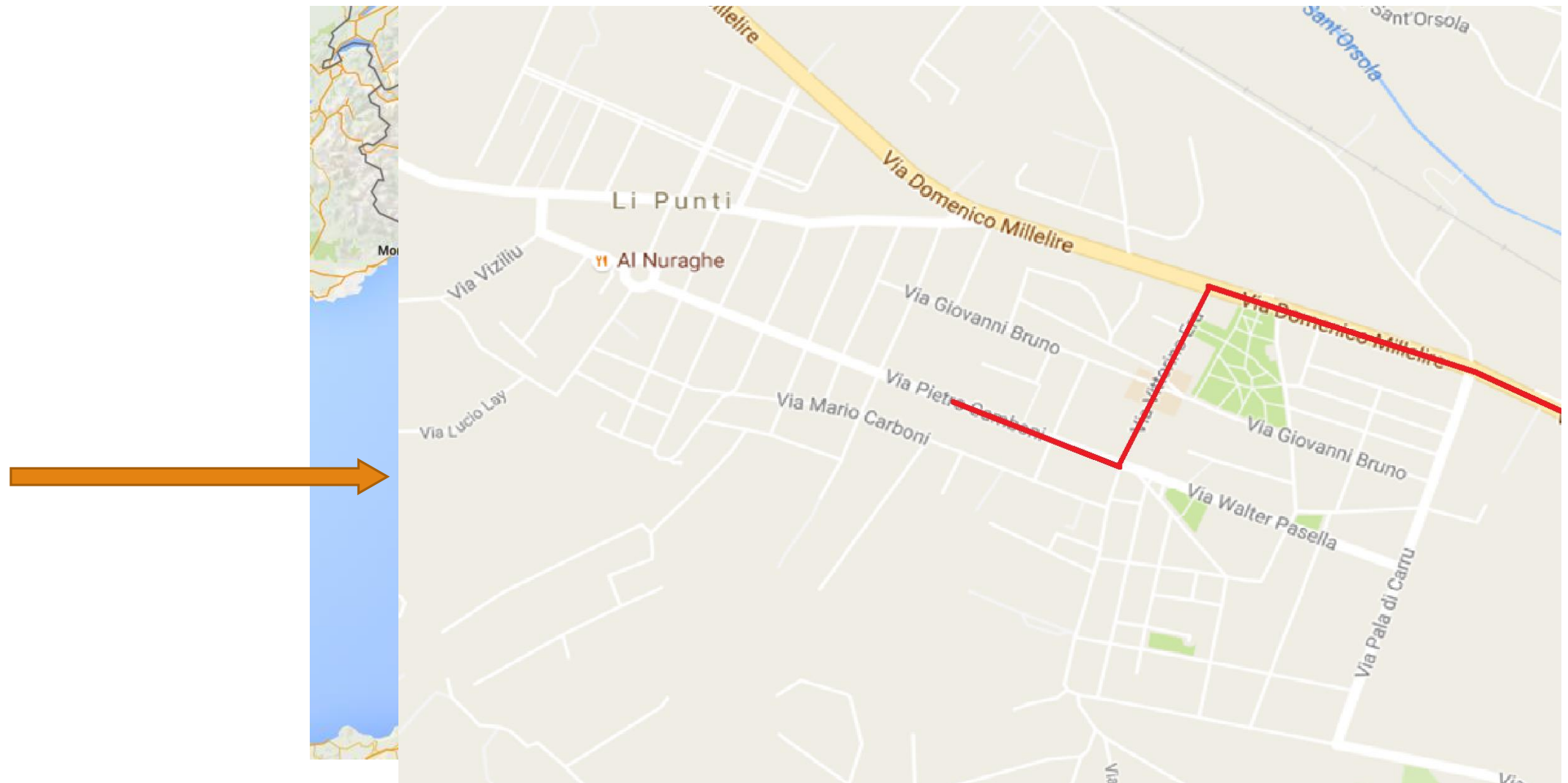
Introduction and context

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graph TD; A[Introduction and context] --> B[Description of the site]; B --> C[Main safety issues];
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Description of the site

Main safety issues



Description of the site

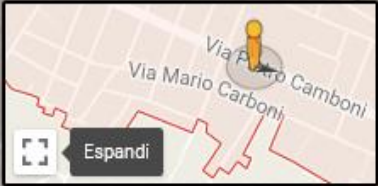


Description of the site

- Main road of the district with a long tangent
- Road width : 11 m
- Speed limit : 50 km/h
- Urban road with great traffic at 8:00 and 13:00
- Commuters student waiting at the bus stop that is really close to the road.
- Located near primary school, market and kid playground

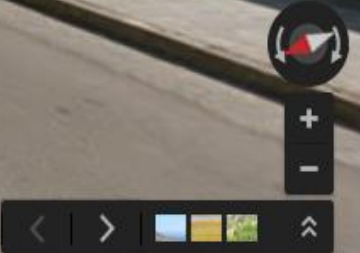


← **Via Pietro Camboni**  
Li Punti, Sardegna
🔄 Street View - set 2012



Espandi

Google



Main safety issues




- The absence of rural-to-urban transition zone lead to inappropriate behaviour of the car driver
- Large road and straight tangent lead drivers to increase their speed over the limit
- Poor and not visible vertical signes
- Inappropriate crossing behaviour
- Children crossing without adult supervison
- “Playground” not well separated from the road
- Driver overtake slower vehicles even if forbidden

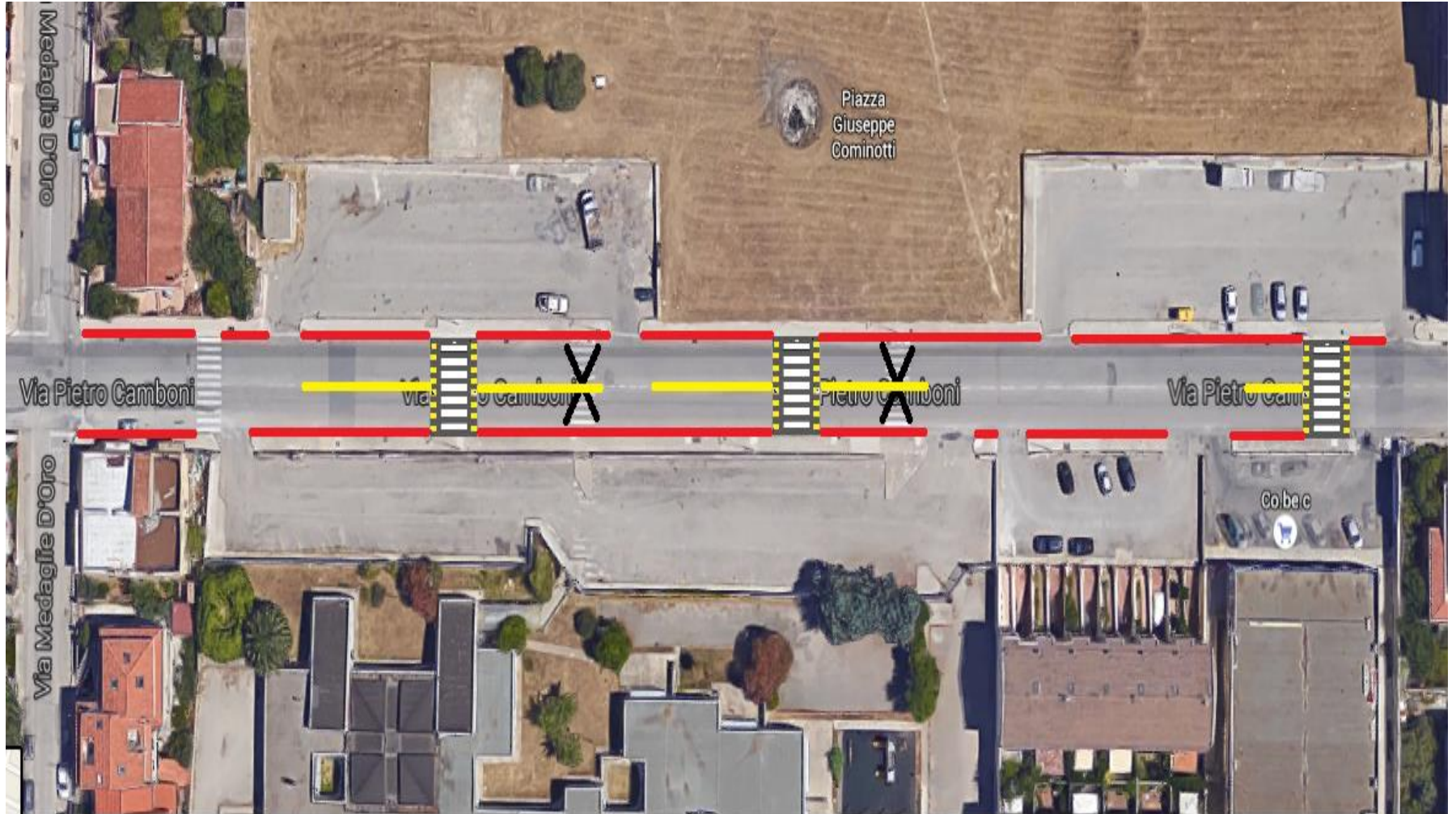
Solution proposals

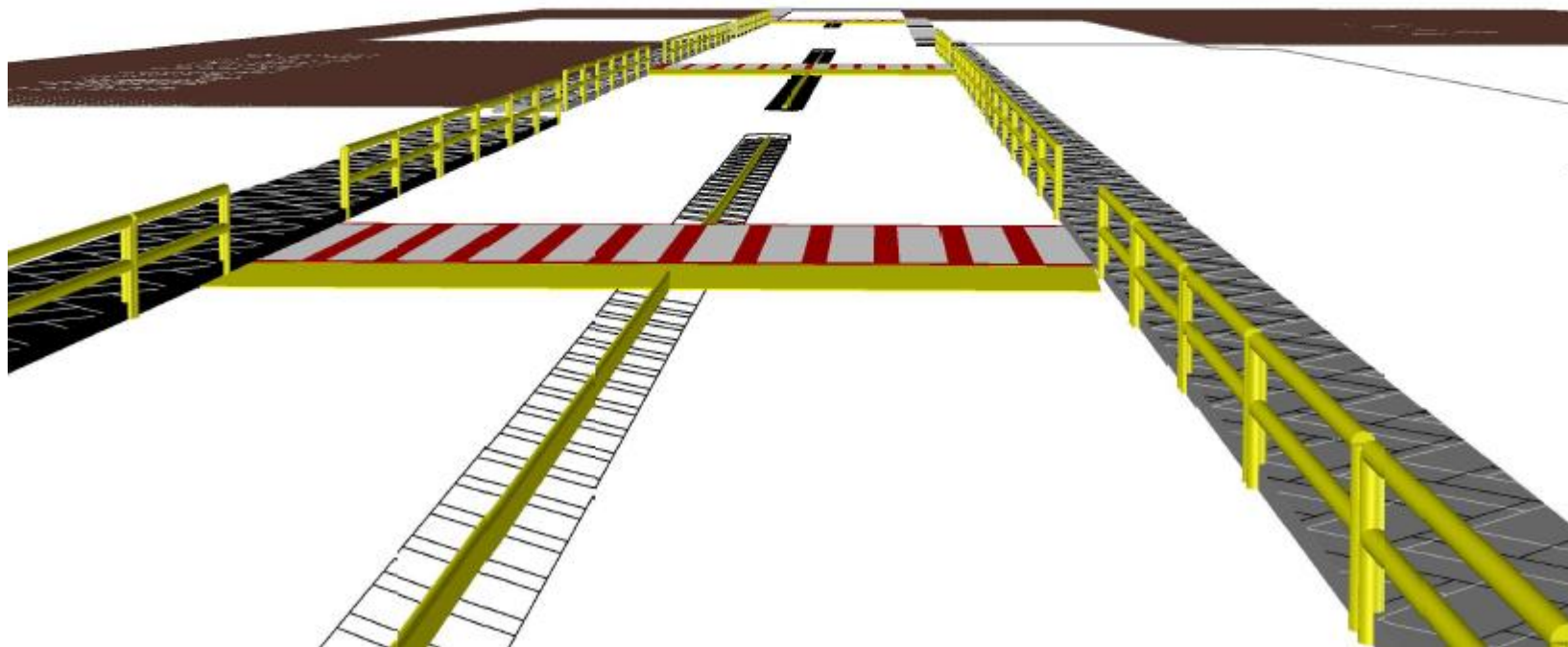
Main solution proposal

- Realization of raised pedestrian crossing in order to decrease car's speed and give visibility to the crossing areas using different color of the pavementation
- Prevent inappropriate crossing placing fences between sidewalk and road
- Renew the horizontal marks and place more vertical signalization
- Rubber curb to prevent car overtaking
- Reduce speed limit from 50 to 30 Km/h



-  Fences
-  Rubber curb
-  Pedestrian crossing suppressed





Alternative solution proposal

- Renew zebra crossing using also different pavement color
- Narrow the lanes using orizzontal marks
- Place a dynamic board message
- Rubber curb to prevent car overtaking
- Constant speed control by the Police



Campaign to implement the site

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graph TD; A[Campaign to implement the site] --> B[Strategy]; B --> C[Timeline]; C --> D[Evaluation of results];
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Strategy

Timeline

Evaluation of results

Strategy

First approach

Contact Parental council of the primary school and the neighborhood to involve them. The idea is to reach their attention giving theirs kids some flyers . Our final goals is to obtain a petition to present to the local authorities.

Strategy



Strategy

Second approach

Some funny activities with children to teach correct behaviour crossing the road. For example simulating a crossing zone with pupets car.

For these activities we will ask support to “Ludoteca comunale”

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Strategy

Collection of signatures for the "Nonno Vigile" service (literally translation is "Grandpa traffic warden", volunteers retired traffic policemen or trained volunteers)



Strategy

Involve local media and social networks to inform as many people as possible about this Project.

Evaluation of results

- Speed data records, if possible with the collaboration of the local Police.
- Questionnaire before and after the Project.

Possible difficulties

- Italian burocracy requires a lot of time !!
- Not many support from partners
- Lack of money for the implementation of the project
- Distance between the site and our university

Thanks for your attention