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**Environmental Impact Report
of Cross-Regional Highway „WEST”
Z1 section from km 11+100 to km 13+000 in Zabrze
- phase of obtaining a construction permit -**

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SUMMARY

This study includes the Environmental Impact “Report of Cross-Regional Highway WEST” Z1 section from km 11+100 to km 13+000 in Zabrze” to be an attachment to a construction permit application.

According to the local master plan of Zabrze the Z1 section of the Cross-Regional Highway is located on the area marked with Gt 2/3 (main express traffic road of two carriageways with three lanes in each direction) and earmarked to fulfill a transport function in the form of the Cross-Regional Highway.

The road in question shall run in Zabrze on the east-west direction: from an overpass in design over the Highway junction with Matejki and de Gaulle’a Streets (km 11+100) until connection with Wolności Street (km 13+000).

The project shall include construction of new carriageways and shoulders, road and railway overpasses, rain-water drainage system and lightning, as well as conservation and realignment of existing utilities with construction of new ones. Some buildings shall be demolished and trees cut.

Based on the design solutions proposed, the report indicated an impact of the project, at construction and operation phases, on different components of environment. Calculations of pollutants spreading processes and noise levels for the variant under design have been performed.

The project environmental impact, both at construction and operation phases, shall be limited to adjacent areas. The maximum reach of overemission of nitrogen dioxides shall be ca 160m to the north and ca 150m to the south from the Highway axis.

Thanks to noise barriers within residential areas permitted noise levels shall not be exceed.

The following measure have been planned in order to minimize harmful impact of the Highway: greens planting along the road, construction of noise barriers, application of rain water treatment facilities.

The Cross-Regional Highway in Zabrze, the first Z1 section of which is the subject matter of this study, shall contribute to:

- improvement of transport conditions by removing transit traffic from the town centre,
- reduction of journey time from the centre of Gliwice to the Centre of Zabrze, and further to the centre of Katowice,
- better condition of utilities requiring reconstruction or modernization,
- bringing order and revaluation to some areas (ex. demolishing old buildings in Kolejowa Street).
- introduction of new green areas and course fulfilling insulating function for both roads and neighbouring buildings.