

**IMPACTS OF MOTORWAYS ON AGRICULTURAL LANDS  
THE CASE OF ANATOLIAN (ISTANBUL-ANKARA) MOTORWAY**

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**ABSTRACT**

Highways, which are passing through the fertile plain areas, not only damage the natural features but also cause various ecological problems. The same situation is true for some sections of the Trans European Motorway (TEM), having a total length of 10.000 km. The section between Istanbul and Ankara of the TEM is called as Anatolian Motorway, which goes throughout the Duzce Plain, an important land resource from agricultural viewpoint. A research was conducted between 1997-99 to find out the impacts of motorway on the Plain. For this purpose, a motorway section of 29 km. length was selected as study area. The results showed that the establishment of Anatolian Motorway affected 940 hectares of land directly and 14.500 hectares of land indirectly. In this paper, the results of the project will be presented and discussed.