



**COUNTRY**  
LEBANON  
**NAME OF CLIENT**  
COUNCIL FOR DEVELOPMENT  
AND RECONSTRUCTION  
**SOURCE OF FUNDING**  
BEYROUTH MUNICIPALITY



January 2014 - December 2015

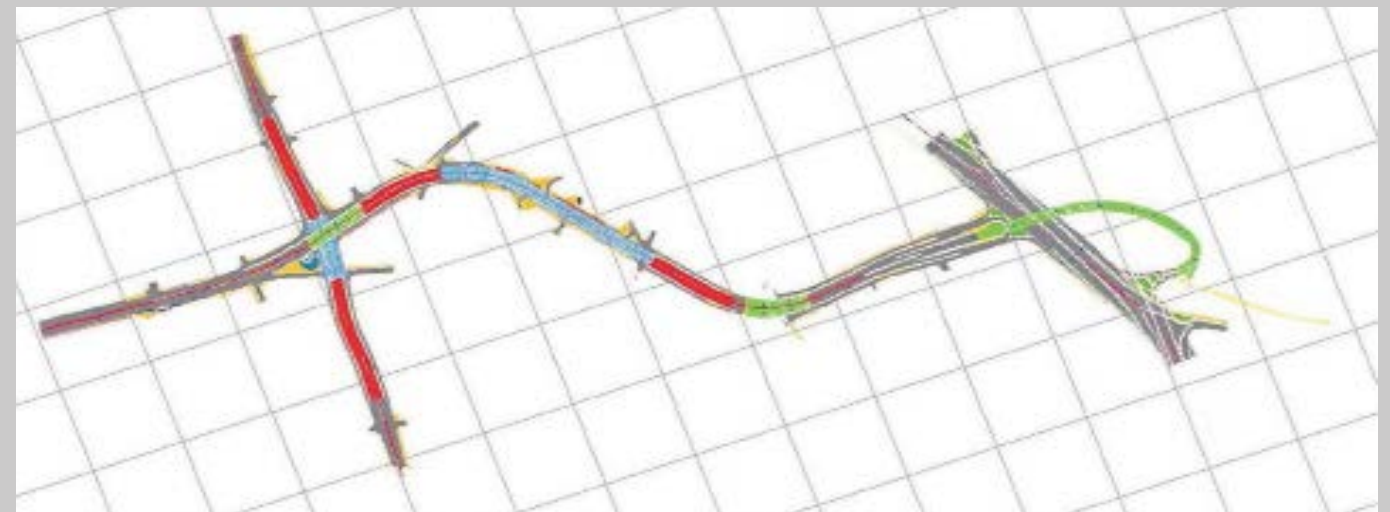
**ESIA & Traffic Study of an urban highway in Beirut City -Ashrafieh area F.Boutros Avenue**

**DETAILED PROJECT DESCRIPTION**

The ESIA (Environmental & Social Impact Assessment) is essential for thoroughly examining and addressing all project-related environmental and social impacts, both direct and indirect. It ensures that no significant residual impacts remain after all feasible mitigation measures have been applied. This ESIA study meets the requirements of the national Environmental Impact Assessment (EIA) Decree (Decree No. 8633, dated August 2012 ,16) and the Environmental Protection Law No. 2002/444.

A traffic assessment was conducted in conjunction with the EIA. A specialized traffic model was developed and calibrated to accurately project the potential traffic volumes for the future road.

Based on this assessment, various scenarios were analyzed and compared to evaluate potential improvements or modifications, and provide recommendations and mitigation measures



**SERVICES PROVIDED**

- Data collection for traffic flows along major road axis.
- Traffic counts, OD and site surveys.
- Traffic forecasts for the future project based on several scenarios.
- Contributions in public workshops and seminars.
- Analysis of area accessibility indicators.
- Comparative analysis of several solutions (including situations with and without the facility).
- Social impact assessment.
- Cultural heritage appraisal.
- Economic feasibility analysis and calculation of main indicators for the proposed options.
- Recommendations on mitigation measures.