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HIGHWAY GEOMETRIC DESIGN

- Factors Influencing Highway Design

Highway design is based on several design standards & controls, which depend on;

- Ü Functional classification
- ü Expected traffic volume and vehicle mix
- ü Design speed
- Design of the Alignment
- q Horizontal alignment
- q Vertical alignment
- q Super-elevation

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ROUTE LOCATION

- Techniques for Highway surveys
- ü Ground surveys
- ü Remote sensing
- Principles of Highway location
- ∨ Office study: engineering, topography, geology etc.
- ∨ Reconnaissance : is to identify several feasible routes
- V Preliminary location survey are used to evaluate the economic & environmental feasibility of the alternatives routes
- ∨ Final location survey
- Preparation of highway plans