

Study of General conditions and acceptable Standards For Highway Design and Geometric Design criteria

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Introduction : The Project Highway shall be planned as a “partially access controlled highway” where access to the highway shall be provided only at pre-determined locations from service roads through ramps and or from interchanges. In



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properly designed entry/exit ramps and or from interchanges. In doing so, the concessionaire shall take measures to overcome the physical and operational constraints and plan, design and construct the Project Highway using appropriate methods, management techniques and technologies.

Key Words : Highway, NHAI, Planning, Designing , six laning etc.

General consideration : General consideration shall, without being limited to, be as follows:-

1. The constraints

The physical constraints in the existing highway are in the form of limitation of right of way, un-regulated access, inadequate service roads and underpasses, numerous at-grade junctions, lack of physical separation between local and through traffic etc. The operational constraints arise out of the necessity or possibility of closing a portion of the road for construction and/or diverting the traffic to temporary diversions, thereby reducing the capacity and safety of the existing highway. The solutions evolved by the concessionaire shall be such that these operational constraints are overcome through appropriate planning, design and construction method, techniques and technologies and by adopting suitable traffic management measures.

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