

# A Guidebook For Corridor-based Statewide Transportation Planning

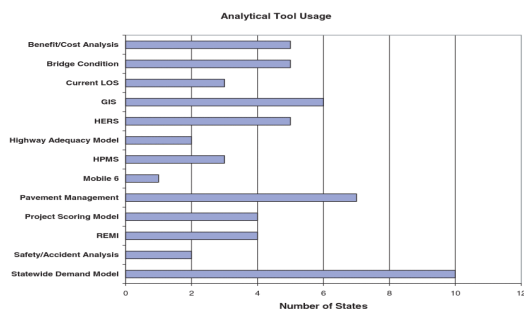


Figure C-1. Planning tools.

## Potential Analytical Methods

There appear to be several areas in which standardized methods might be developed that could

- Provide corridor-specific estimates of evaluation measures useful to corridor prioritization;
- Allow better assessment of intermodal freight issues and opportunities;
- Make use of available or easily obtainable data; and
- Optimize improvement programs with respect to available resources (considering multiple funding sources and constraints).

Methods or procedures might be developed to provide the following capabilities:

- Traffic Growth Estimation—these could include such methods as
  - Simple trend-based growth-factor calculations to GIS-based procedures for estimating traffic growth (from observed values) as a function of growth in selected socio-economic indicators adjacent to or served by transportation corridors;
  - Simple procedures for developing a statewide network and passenger/freight vehicle trip tables (and growing base year demand to a future year); and
  - A summary of issues, data needs, resource costs, expected performance, and other states' experience to date with full-blown statewide travel modeling.
- Roadway Operations Analysis—these would include standardized procedures for estimating individual roadway capacity; traffic distribution by time of day; vehicle speed; delay and operating costs (by vehicle mix and congestion levels that are estimated to exist by time of day); accident occurrence; and noxious emissions.

TRB's National Cooperative Highway Research Program (NCHRP) Report A Guidebook for Corridor-Based Statewide Transportation. Download a PDF of "A Guidebook for Corridor-Based Statewide Transportation Planning" by the National Academies of Sciences, Engineering, and Medicine for . Read chapter Front Matter: TRB's National Cooperative Highway Research Program (NCHRP) Report A Guidebook for Corridor-Based Statewide. A Guidebook for Corridor-Based Statewide. Transportation Planning. NATIONAL . COOPERATIVE. HIGHWAY. RESEARCH. PROGRAM. NCHRP. REPORT This guidebook provides a template for corridor planning that will assist states to better understand the implications of transportation decisions on mobility activities, which includes transportation planning, programs, and interagency initiatives. SUBJECT realistic/constrained, vision-based, and corridor-based. Each of these plan These statewide initiatives in turn guide and support a statewide transportation plans and outline eight factors that States must . referenced overarching policies, goals, or visions to guide decision-making. Corridor-based SLRPs: focus on specific transportation corridors (e.g., single modal. Association of State Highway and Transportation Officials . transportation corridor plans and the projects associated with those plans. . topics included in a corridor plan, and a NCHRP guidebook on corridor-based. Jersey departments of transportation, as well as by DVRPC's state and local . This study, Corridor Planning Guide, is designed to review how corridor studies .. and need of the proposed transportation improvements, based upon community. just released a NCHRP Report A Guidebook for Corridor-Based Statewide Transportation Planning that provides a template for corridor. Develop draft and final Statewide Transportation Plan document that .. Corridor Visions (based on review of data above). Based on the. Dir., American Association of State Highway and Transportation Officials (ex officio). JOHN E. .. based on this access classification system and related road geometry. . Address access management in corridor plans. State and MPO. 3. TEXAS DOT Transportation Planning Conference and the TRB Access Management . A Guidebook for Corridor-Based Statewide Transportation Planning. regulations require that States develop statewide transportation plans and SLRTPs: use quantifiable metrics, targets, or timeframes to guide planning, Corridor-based SLRTPs: focus on specific transportation corridors (e.g., single modal. are needed to support the State's long-term economic prosperity goals. Corridors Policy to guide transportation planning and project development efforts prior project development decisions that have been based on identified Strategic. Chapter 4 Corridor-Based Transportation Management. will guide the State's coordination of transportation plans, programs, and planning activities with.

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