



SR 710 SCREENING CRITERIA AND SELECTION PROCESS

In August 2012, Staff recommended advancing the following five Alternatives for detailed study:

- No Build
- Transportation System/Transportation Demand Management (TSM/TDM)
- Bus Rapid Transit (BRT 6X) with refinements – Los Angeles to Pasadena
- Light Rail Transit (LRT 4X) with refinements – East Los Angeles to Pasadena
- Freeway Tunnel (F-7X) with refinements – Connecting the north and south termini of the existing SR-710

Staff also recommended that refinements be considered for each alternative to enhance their performance and minimize impacts.

The Alternatives were chosen based on a three-step screening process:

- 1) Preliminary screening
- 2) Initial screening
- 3) Secondary screening

The **preliminary screening** process considered over one hundred alternative concepts, identified through the public scoping process, with a wide range of transportation modes including: freeway (at-grade, elevated and underground), highway, Bus Rapid Transit (BRT), Light Rail Transit (LRT), commuter rail, freight rail, Transportation System Management/Transportation Demand Management (TSM/TDM), and advanced technologies. The result of the preliminary screening recommended approximately 42 alternative concepts be carried forward.

Then, an **initial screening** was conducted based on technical evaluations of each alternative, using a comprehensive/qualitative performance assessment matrix that included the Study Purpose and Need, objectives and 23 evaluation criteria. The number of alternatives was then reduced to 12 alternative concepts.





Next, a **secondary screening** was conducted to evaluate the 12 alternative concepts based on the Purpose and Need, Study Objectives and over 40 detailed performance measures. Five alternatives were recommended for further consideration