MULTIMODAL REVIEW

Introduction
In addition to physical improvements to the freeway, the I-710 Corridor Project Environmental Impact Report/Environmental Impact Statement (EIR/EIS) includes alternative transportation modes which could help to alleviate congestion. A Multimodal Review was prepared to assess the ability of these other transportation modes to reduce the number of vehicles traveling on I-710 and increase the effective capacity of the freeway.

What Modes were Considered?
The Multimodal Review evaluated the ability of the following options to accommodate or manage travel demand in the I-710 corridor:

- **Bus Transit** – Increasing Metro or other municipally operated bus transit service as a way of increasing the number of trips in the corridor made by bus.
- **Rail** – Adding passenger rail lines (such as the Blue Line or Metrolink) or expanding freight rail service as a way of increasing ridership on passenger trains as well as increasing goods movement by freight train.
- **Non-Motorized Transportation** – Increasing the number of people who use bikes or walk to get to their destinations.
- **High-occupancy Vehicle (HOV) Lanes** – Adding HOV lanes or services to increase trips by carpool, vanpool or bus.
- **Transportation Systems Management Systems (TSM)** – Increasing the efficiency of travel by implementing TSM options, such as signal synchronization and/or ramp metering, both for person-trips and freight-trips.
- **Transportation Demand Management (TDM)** – For freight, examples included charging more for traveling during peak hours of congestion.
- **Intelligent Transportation Systems (ITS)** – Using computerized systems such as smart traffic signals and real-time bus arrival information to increase the effective capacity of existing transportation systems and services.

What Specific Types of Improvements Were Included in the Multimodal Review?
Highlights of some of the potential transportation system improvements included in the Multimodal Review were:

- **Bus** – Increasing the frequency of local bus service and Metro Rapid service within the I-710 Corridor during times of the day when ridership is highest.
- **Rail** – Increasing Blue Line and Green Line train frequency during times of the day when ridership is highest, and potentially increasing service on three Metrolink lines (Riverside Line, Orange County and 91 Lines).

- **Park and Ride** – Providing more rail station parking spaces in the I-710 study area to support the increase in rail service.
- **High Occupancy Vehicle Lanes** – Adding HOV lanes on I-710 and providing direct HOV connectors.
- **Goods Movement** – Encouraging the shift to off-peak Port truck trips.
- **ITS Implementation** – Implementing new ramp metering systems and providing Advanced Traveler Information System (ATIS), closed-circuit television (CCTV), incident management systems and updated communications on arterial streets.

What Were the Results?

The study of these other individual transportation mode improvements concluded the following:

- Expanded Transit would result in about a 2-3% reduction in peak period auto trips.
- Transportation Demand Management for trucks would result in anywhere from a 1% to 12% reduction in peak period truck trips coming from the Ports of Los Angeles and Long Beach.
- Bike and Pedestrian (non-motorized) improvements did not reduce any peak period auto trips.
- Intelligent Transportation Systems would increase the vehicular capacity of the I-710 by about 6%.

Although Transit, Transportation Systems Management, Transportation Demand Management and Intelligent Transportation Systems play an important role in helping to address future congestion on I-710, their individual benefits are fairly small. Collectively, however, improvements to these alternative modes of transportation could reduce the future travel demand and increase capacity on the I-710 freeway by about one lane in each direction—a measurable improvement. Therefore, these improvements are recommended for inclusion within any alternative that is carried forward in the I-710 EIR/EIS.

For more information on the I-710 Corridor Project EIR/EIS, please visit our website at www.metro.net/710eir or contact us in one of the following ways:

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