



# THE NATIONAL I-10 FREIGHT CORRIDOR STUDY

www.i10freightstudy.org



## PROJECT OVERVIEW

This study was a joint effort by eight state Departments of Transportation (DOTs) including California, Arizona, New Mexico, Texas, Louisiana, Mississippi, Alabama and Florida: The purpose was to analyze current and projected freight movements, assess how current and future freight volumes impact national and local transportation systems, and develop strategies for improving freight flow along the Interstate 10 (I-10) Corridor.



## OBJECTIVES OF THE STUDY

- 1) Assess the importance of freight moving on I-10 to the economy of the corridor states and to the rest of the nation;
- 2) Identify current and future traffic operations and safety problems along the I-10 Corridor which impede freight flow;
- 3) Identify and evaluate strategies, including multimodal strategies, needed to facilitate freight flow within the corridor.

## LESSONS LEARNED FROM THE I-10 STUDY

Freight transportation is central to the performance of the U.S. economy, and a key contributor to U.S. competitiveness in the global marketplace. States are responsible for building, maintaining and operating the highways that carry the bulk of the nation's freight – nearly 80 percent of all domestic tonnage and 60 percent of inter-city ton miles. Continued investment in highways is fundamental to maintaining the nation's freight transportation infrastructure.

**The continued trend toward a service economy, where reliability is essential, will increase the volume of freight traffic on highways at a projected pace nearly twice that**

**of automotive traffic by 2025.** Worsened highway congestion and capacity constraints impose costs on producers and consumers, and worsen conditions for the traveling public.

**Highways are essential to the efficiency of other freight transportation system elements, including ports, inland waterways and railroads.** Investments in high volume transportation corridors must integrate intermodal and multimodal considerations to guarantee an optimal distribution of freight and minimize the burden on highways.

**Increasing capacity in high-volume corridors is the single best method for lowering highway congestion.** Moreover, providing capacity works best when incorporating key technologies such as Intelligent Transportation Systems/Commercial Vehicle Operations (ITS/CVO), as well as innovations in automated truck separation employing mass flow techniques to enhance freight productivity.

**Increased funding is essential to guaranteeing that freight continues moving on highways as efficiently and productively as possible.** Separating traffic streams offers an opportunity for increasing funding options. Increased funding requires collaboration between government and business.

**Issues related to the demand for freight transportation transcend urban and state jurisdictions.** The implementation of solutions, both traditional capacity enhancements as well as innovative technology solutions, will require State/State and/or State/Federal partnerships, as well as partnerships with the private sector.

**The decision process for funding improvements should be based, in part, on a system of strategic gateways and corridors that facilitate the movement of freight and people, with an emphasis on jurisdictions that bridge high use transportation corridors.**

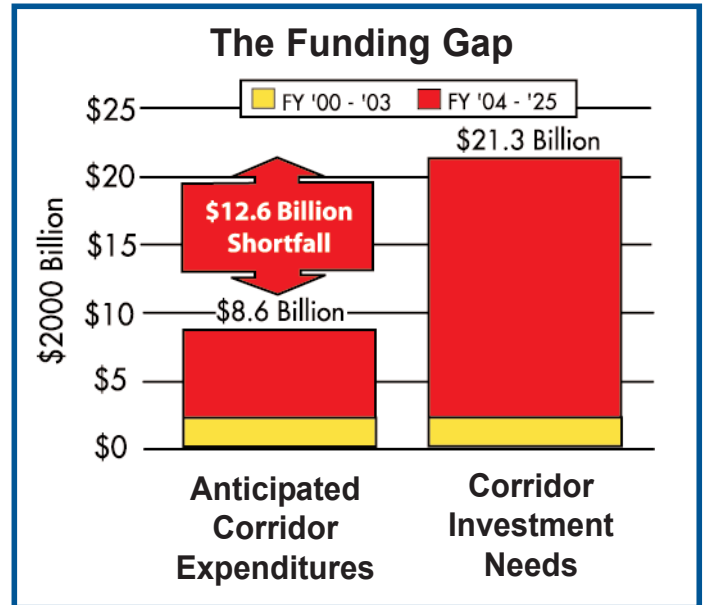
### ECONOMIC IMPACT OF TRADE ALONG THE CORRIDOR

The total estimated impact of freight transported along the I-10 corridor is \$1.38 trillion, of which \$339.4 billion is paid to some 10.4 million employees.

## LESSONS LEARNED FOR ARIZONA

- Truck movements along the I-10 Corridor in Arizona are expected to double by 2025.
- Automotive traffic, however, represents the dominant share, partly due to the corridor's role as a stimulant for urban and residential development.
- To support the current levels of travel demand between Phoenix and Tucson, three lanes are needed in each direction.
- Additional lanes will accommodate slow moving vehicles to keep to the right except to pass and prohibit them from the left lane, improving public safety.
- Improving SR 85 between I-8 and I-10 would improve this bypass around Phoenix, diverting through automotive and truck traffic to cut congestion and improve economic efficiency and public safety.

## FUNDING SHORTFALL ALONG THE I-10 CORRIDOR



## NETWORK DISTRIBUTION OF I-10 TRUCK FLOWS - ARIZONA

