



Transportation

Client

Nevada Department of Transportation

Location

California, Nevada, Arizona, and Utah

I-15 Corridor System Master Plan

The Nevada Department of Transportation (NDOT), in association with the Federal Highway Administration (FHWA), Departments of Transportation in California, Utah, and Arizona, selected CH2M HILL to develop a long-range Multistate Corridor System Master Plan that will address current and future multi-modal mobility needs for the I-15 Corridor and its systemic connectors between Southern California and Northern Utah.

The I-15 Corridor is vital to the economic sustainability of the region and the nation. In Nevada alone, I-15 is the single most important tourism corridor and the lifeblood for southern Nevada’s economy.

More than just a traditional transportation study, the I-15 Corridor System Master Plan is an alliance of public and private agencies and users of the I-15 corridor working together to enhance the movement of people, freight, and commodities for decades to come. Multi-modal solutions being studied to improve mobility within the corridor include moving more people and goods via rail, air, and transit, in addition to potential highway and local/regional road network improvements. Additional elements of the Master Plan include:

- ◆ Corridor vision and mission
- ◆ Roles and responsibilities of alliance partners
- ◆ Corridor policies and procedures
- ◆ Public information and education program
- ◆ Searchable GIS database
- ◆ Early action projects
- ◆ Unconstrained list of mobility enhancements
- ◆ Prioritized list of multimodal projects
- ◆ Targeted list of funding strategies

The 840-mile-long corridor project, crossing multiple states and local jurisdictions, is a signature project. With projected increases in commodity flows from the western U.S. and Mexican ports and resulting traffic congestion, CH2M HILL is tasked with defining a long-range multi-modal transportation system vision, governance, funding strategies, and prioritizing projects needed to serve all modes of transportation along the corridor. Our project team will provide regional decision makers with a strategic action plan that defines future transportation infrastructure, and supports national, regional, and local approaches to improve freight delivery, relieve congestion, and move people and freight over the next several decades, regardless of the mode of transportation and the transportation technology.

CH2M HILL’s mission is also to:

- ◆ Develop a vision that informs partners and the public of the importance of the corridor for future economic development
- ◆ Prioritize projects for all modes of transportation

- ◆ Develop funding strategies, including federal funding sources and public-private partnerships, to advance priority projects
- ◆ Influence state and federal transportation policy
- ◆ Streamline the project delivery process

Through the creation of a sustainable, regional planning process for the entire I-15 Corridor System, this signature project will establish a "best practice" standard in defining future transportation improvements and corridor alliance collaboration across the nation. This project will be a benchmark for creation of a sustainable regional planning process for the I-15 Corridor System that defines potential future transportation improvements and corridor alliance collaboration across the U.S. CH2M HILL team has delivered the following tasks and analyses:

Outreach: Several hundred public agencies and private entities have been invited to participate as partners in the I-15 Mobility Alliance, tasked with contributing data, reviewing information, and making decisions. Public outreach is supported by a website, fact sheets, and "piggy-backing" at related public meetings.

Data Collection: Vast amounts of information were collected from the four states and made available through a web-based GIS viewer.

Freight Analysis: An analysis of freight movement from and via ports, rail, air, and truck was conducted using FHWA's Freight Analysis Framework, and data collected from the I-15 Alliance partners.

Socio-economic Analysis: Current and forecasted population and economic data was analyzed, supplemented with information received from Brookings Mountain West.

Multi-modal Analysis: Current and forecasted highway operations and safety analyses were conducted using FHWA's Highway Performance Monitoring System. Trends in passenger rail and aviation were also considered.

ITS/ATMS: A catalog of Intelligent Transportation System/Advanced Traffic Management System capabilities was collected, and future technologies applicable to the corridor considered.

Sustainability: Sustainable transportation solutions and emerging technologies applicable to the corridor are being incorporated into the Master Plan, and a pilot project will be implemented by the Alliance partners.

Immediate Projects of Inter-regional Significance: 27 projects were unanimously selected by the Alliance partners to forward to Congress in a joint request for federal support.

Project Improvements and Funding Strategies: Near-term (10-year) regional mobility improvement strategies will be developed, screened, and prioritized. Funding and project delivery strategies will also be developed and analyzed for delivery of the recommended improvement strategies.

About CH2M HILL

Headquartered near Denver, Colorado, USA, employee-owned CH2M HILL is a global leader in consulting, design, design-build, operations, and program management for government, civil, industrial and energy clients. The firm's work is concentrated in the areas of water, transportation, environmental, energy, facilities and resources. With US\$6.3 billion in revenue and 23,000 employees, CH2M HILL is an industry-leading program management, construction management and design firm, as ranked by Engineering News-Record and named a leader in sustainable engineering by Verdantix. The firm has been named a FORTUNE 100 Best Companies to Work for five times. Visit us at www.ch2mhill.com, twitter.com/ch2mhill and facebook.com/ch2mhill.