



## Transportation

### Client

Nevada Department of  
Transportation

### Location

Las Vegas, Nevada

## Project NEON, Las Vegas, Nevada

Located in the heart of Las Vegas, the \$1.5-billion Project NEON is the Nevada DOT's top priority. CH2M HILL is responsible for project management, delivering the National Environmental Policy Act (NEPA) documents, and design for Phase I of this 20-year project.

Primary elements of Project Neon include a high-occupancy vehicle (HOV) viaduct connecting US 95 to I15, HOV direct access ramps to Western Avenue, an arterial interchange at Charleston Boulevard, reconstruction of the Charleston Boulevard freeway interchange, extensive I-15 ramp braiding, and an arterial viaduct connecting Martin Luther King Boulevard to Industrial Road. These improvements culminate in 13.5 lane miles of new bridges and 10.5 acres of retaining walls for 37 parallel lanes that will carry more than 500,000 vehicles every day.

CH2M HILL completed the draft Environmental Impact Statement (EIS) for the project in just 8 weeks. An intense coordination effort with NDOT and the Federal Highway Administration was undertaken with weekly progress review meetings. Engineering data and analysis were created, new graphics were added throughout the document, and all comments were tracked and responded to in a timely manner. An Engineering Summary Report was developed as a companion document to the EIS so that the alternatives selection process would not cause delays in the development of the draft EIS. As a result of our teamwork, the draft EIS was delivered on schedule for review by NDOT, FHWA, and cooperating agencies, including the City of Las Vegas and the Regional Transportation Commission of Southern Nevada. FHWA and NDOT approved the Draft EIS, and CH2M HILL completed the final EIS and Record of Decision in December 2010.

NDOT has engaged CH2M HILL to develop plans and deliver utilities relocations and manage right-of-way acquisition services for Phase I of Project NEON. Phase I consists of the HOV viaduct, HOV direct access ramps, Charleston Boulevard arterial interchange, and partial reconstruction of the Charleston Boulevard freeway interchange. This includes 10 acres of bridge deck and 4.3 linear miles of retaining walls. The project is expected to take 3 years to construct.

CH2M HILL is providing project management and delivery of public outreach, NEPA process delivery, utilities relocation design, utilities designation, value analysis, constructibility reviews, risk assessment, roadway design, bridge type selection, preliminary retaining wall design, preliminary geotechnical evaluation, drainage design, hydraulic analysis, traffic analysis, change of access report, preliminary signing and striping, conceptual traffic staging, right-of-way acquisition, and survey through Phase I of Project NEON.

### 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](http://www.ch2mhill.com), [twitter.com/ch2mhill](https://twitter.com/ch2mhill) and [facebook.com/ch2mhill](https://facebook.com/ch2mhill).