Pecos Street over I-70 Bridge Replacement

Denver, CO

The Colorado Department of Transportation chose to use accelerated bridge construction (ABC) techniques during replacement of the Pecos Street Bridge to minimize impact to the traveling public. After construction, the bridge was rolled about 1000 ft to its final location using self-propelled modular transporters (SPMT). Using this method, the disruption was minimized as the entire bridge move was conducted during a 50-hour closure of I-70. This time also included demolition of the existing structure. The entire superstructure was constructed using cast-in-place concrete construction and epoxy-coated reinforcing steel (ECR rebar) was used to provide corrosion protection to the reinforcing steel.

More than 1,000 people visited the public-viewing area to observe moving of the 2,400-ton bridge.

Team

Owner:
Colorado Department of Transportation

Bridge Design / Engineer:
Wilson and Company Inc.

General Contractor:
Kiewit Infrastructure

Design Criteria:
– Minimize disruption to the traveling public.

– Replace the existing poor bridge structure and improve traffic operations

– Provide a high quality design and construction.

Total Project Cost: $18 million

Total Size:
LENGTH: 156 ft

WIDTH: 63 ft

Photography:
i.ytimg.com

extras.mnginteractive.com