

# Telegraph Street

## Washington City, Utah

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### Bridge Replacement

#### Project Team Members:

##### Owner:

Utah Department of Transportation (UDOT)

##### Engineer:

UDOT, Sunrise Engineering & Bush and Gudgell Engineers

##### Contractor:

Interstate Rock Products, Inc.

##### Technical Description:

- Span: 24 ft
- Rise: 8 ft
- Length: 130 ft

**Installation Date:** May 2011



Located in a growing community near Saint George, Utah, Telegraph Street was a two-lane road with heavy congestion during peak hours. In response, the Utah Department of Transportation (UDOT) decided to widen the roadway to four lanes with center medians for approximately one mile. With a focus on accelerated bridge construction, UDOT's intent was to replace the aging concrete structure with as little disruption to traffic as possible.

CONTECH worked closely with UDOT to identify a cost-effective, efficient and aesthetic solution. The bridge design was complex due to 27' tall wingwalls (accommodated by CONTECH's MurEbal wall system), and end treatments that could handle a bevel and skew.

A 24' x 8' CON/SPAN structure was selected based on its ability to slide beneath the existing bridge and then be jacked into place. Two lanes of traffic were kept open during the entire installation.

Interstate Rock Products, Inc. performed the installation of 17 arch segments, 2 headwalls and 4 wingwalls in just two days.

"The field erection was better than expected and went extremely well," said Trace Allen, Project Engineer and Estimator. "All of my expectations were met."

