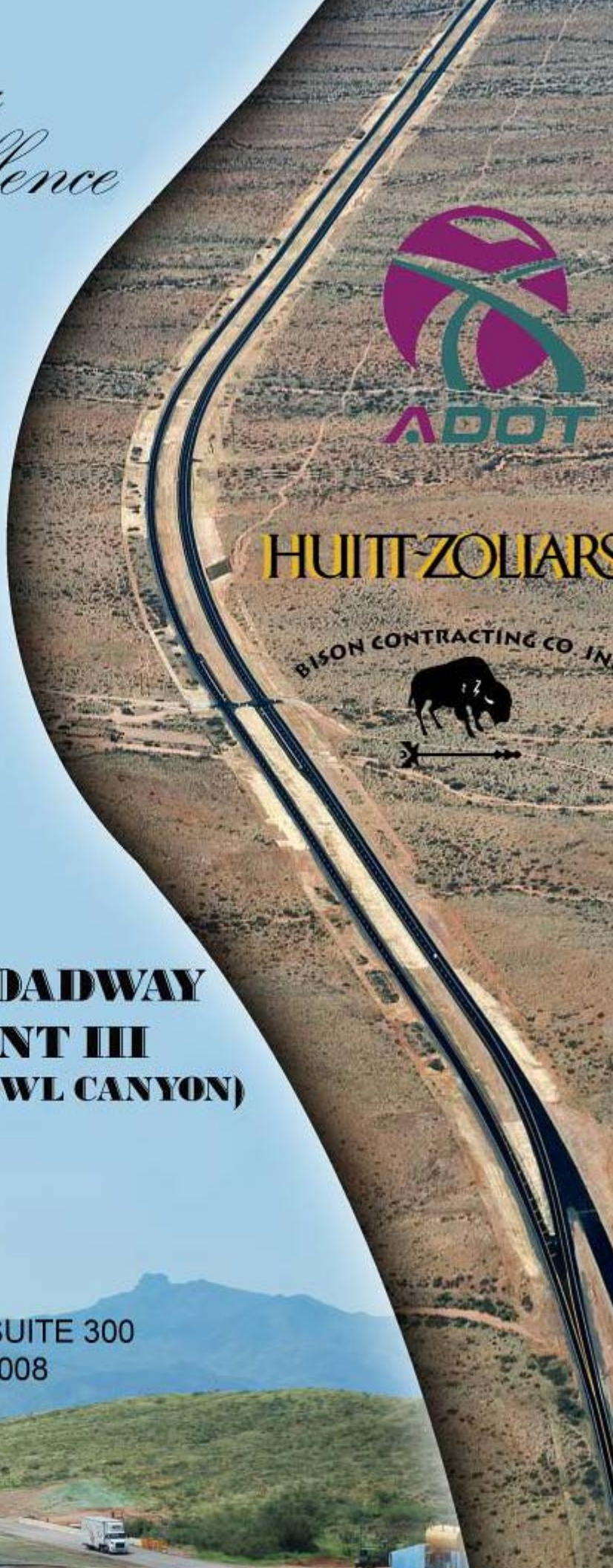


*Partnering
Excellence*



HUITT-ZOLLARS

BISON CONTRACTING CO. IN.



**CONSTRUCT
PARALLEL ROADWAY
US 191 SEGMENT III
(TEN RANCH TO OWL CANYON)**

HUITT-ZOLLARS, INC.
426 N. 44TH STREET, SUITE 300
PHOENIX, ARIZONA 85008
(602) 952-9123



PROJECT OVERVIEW

- **Construct 3.5 miles new two-lane roadway.**
- **240,000 Cu. Yd. of Roadway Excavation**
- **230,000 Cu. Yd. of embankment**
- **9 CBC extensions**
- **1 new CBC**
- **35 new pipes**
- **15 pipe extensions**
- **3.9 miles of pavement preservation**
- **Construction completed in one season**

Challenges

- **16 Change Orders**
- **6 Letters of Agreement**
- **100+ RFIs**
- **Fuel Prices Surpass \$4.50/Gal.**

Project used 1/2 of the 5% contingency



PARTNERING ISSUES

EARTHWORK

Issue

Need to identify additional on site sources.

Resolution

Partners worked together, identifying additional slope flattening for material harvest.



PARTNERING EXCELLENCE AWARD
Category: Roadway (\$5 Million to \$ 25 Million)
Construct Parallel Roadway
US 191 Segment III (Ten Ranch to Owl Canyon)

SLOPE PROTECTION

Issue

Shotcrete Slope protection was designed to protect a pad for utility pole and competent rock was encountered during the excavation.

Resolution

Successful partnering quickly reduce the shotcrete slope size with no work time loss, Plus \$112,546 savings.



PARTNERING EXCELLENCE AWARD
Category: Roadway (\$5 Million to \$ 25 Million)
Construct Parallel Roadway
US 191 Segment III (Ten Ranch to Owl Canyon)

RELOCATE TEMPORARY DETOUR

ISSUE

End of paving season approaching, But new culverts needed.



RESOLUTION

Partners achieved project completion in just one season by relocating temporary detour and getting an early start on culverts.