

Design - Build

Fixed Price / Best Value

AASHTO Annual Meeting
September 18, 2005

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Colorado Department of Transportation

Design-Build Two-Phase Procurement

Request for Qualifications (RFQ)

Request for Proposals (RFP)

Two CDOT Design Build Projects Utilizing Two-Phase Procurement

- **T-REX** (Transportation Expansion Project)
- **COSMIX** (Colorado Springs Metro Interstate Expansion Project)

Evaluation of Proposals and Contract Award based on “Best Value”

Total Cost (Price)

Technical Factors

Technical Factors

- Innovation
- Quality
- Work Management
- Safety
- Aesthetics
- Project Control / Schedule

T-REX

\$1.67 Billion Project

17 Miles of Highway

19 miles of Light Rail

Construction Began in 2001

Estimated Completion 2006

Four Goals Identified to Determine Best Value:

- Minimize Inconvenience
- Quality Product
- Meet or Beat Schedule
- Meet or Beat Program Budget

Technical factors based on goals and weighted for evaluation:

- Quality Management Plan
 - Design
 - Construction
- Management of Traffic
- Public Information
- Schedule

Award of the contract was based on:

- Upset Amount of \$1.225 Billion to determine responsive bidder
- Best Value
- Optional Best and Final Offer (BAFO)

COSMIX

\$123 Million Project

- Interchange Reconstruction
- Roadway Widening and Reconstruction
- 12 mile segment of I-25

Construction Began in 2005

Estimated Completion 2008

Fixed Price / Best Value

- Fixed maximum cost of \$123 Million
- Basic Configuration
- Temporary Configuration
- Additional Requested Elements

Five Goals Identified to Determine Best Value:

- Maximize Capacity & Mobility within Program Budget
- Minimize Inconvenience
- Quality Product
- Complete by end of 2008
- Visually pleasing finished product

Maximize Capacity and Mobility within Program Budget

Definition:

Basic Configurations, Temporary Configurations, Additional Requested Elements (A.R.E.) or Portions of (A.R.E.) shall not exceed Guaranteed Maximum Price (Fixed Price)

Technical factors were assigned points for evaluation:

- A.R.E (65 points)
- Minimizing Inconvenience (20 points)
- Quality (15 points)

Contract Award Based on Best Value Determined by Fixed Price / Best Design Approach

- Fixed Price = Guaranteed Maximum Price
- Best Design = highest proposal score
- Optional Best and Final Offer (BAFO)

Proposals

- 5 firms submitted proposals
- 3 firms short-listed
- Firm selected provided most desired A.R.E.

Additional Information

- Dave Poling, Project Manager
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- T-REX website <http://www.trexproject.com>
- COSMIX website
<http://www.cosmixproject.com>
- COSMIX RFP
<http://www.i25coloradosprings.com/rfp.htm>