

West Corridor Public Meeting

January 31, 2007

65 Percent Design Status

- David Evans & Associates (DEA) submitted the 65% design drawings on November 3, 2006
- Drawings were reviewed by RTD and stakeholders
- Presented to the public at UDC meetings in December
- Comments were compiled (over 3000) using RTD's quality management database and evaluated by RTD
- RTD submitted comments to DEA on Jan 5
- DEA will respond to comments by end of Jan
- Design continues with 90 percent drawings due in November 2007

Cost Estimate Status

- Cost Estimates for the project were prepared based on the 65 percent design
- Cost Estimates were completed by DEA/FRSC, RTD/PMC and the CM/GC.
- Cost Estimates are being discussed and reconciled between the three entities.
- Final Cost Estimate reconciliation is scheduled to be complete by end of February.
- Cost Estimates, once reconciled, will be approved by FTA and the Project Management Oversight Group
- RTD continues to face challenges with materials price escalation.

Materials Cost Escalation



REBAR
42.3%

DIESEL FUEL
220.5%

CONCRETE TIES
45.0%

GASOLINE 156.5%

COPPER 160.0%

ROW 25%

Value Engineering

What is Value Engineering?

- Value Engineering is the examination of a project to look at more cost effective and efficient methods of delivery by a team of professionals who have expertise in similar areas.
- It is a responsible management tool, used on major construction projects across the country.
- This process is mandated on all FTA funded projects.

Benefits of VE

- Experts are able to offer objective viewpoints on delivering the most cost effective and efficient project.
- Specifically, more efficient construction methods or materials are identified
- VE process will help RTD meet challenges caused by material price escalation
- Looks at all aspects of the project
 - Civil Construction
 - Systems Elements
 - Operations, etc.

West Corridor VE

Even though the cost estimates are not finalized, the West Corridor is in a cost containment mode due to escalation in material prices

VE items are a menu of potential changes for further consideration

Stakeholder and public input, along with impacts to schedule, EA considerations, constructability, and re-design cost etc. are all seriously evaluated prior to any final decisions being made.

West Corridor VE

- VE Team met in mid-December 2006
- Nine member team from Colorado, Utah, California, Texas, Arizona and Washington
- Intensive week of review, developed proposed changes to the project – Total of 76 (61 from VE team, 15 internal staff)
- For each proposed item, RTD can -
 - Accept
 - Accept with Modifications
 - Table for Further Study
 - Reject

VE Proposed Changes

Total of 76 Proposed Changes

- 15 Accepted “As Is” or with Modifications
- 40 Tabled for Further Study
- 21 Rejected

**Estimated savings from any VE proposals will require more detailed cost analysis.*

West Corridor Scope

The overall goals and intent of the project WILL NOT change

- Light Rail line from Auraria to Jeffco
- Denver, Lakewood, Golden and Jeffco will be served by the West Corridor.
- Remains a part of the FasTracks program
- Construction will still be complete in late 2012

Proposed Changes Rejected



- RTD will not shorten the alignment to end at the Federal Center.
- RTD will not eliminate the construction of the Federal Blvd. Bridge
- RTD will not reduce signal system equipment by running Line of Sight (dark).
- RTD will not construct at-grade crossings at Kipling, Wadsworth and Sheridan.
- RTD will not run single track operations from downtown to the Federal Center.
- RTD will not eliminate quad gates

Next Steps



West Corridor Final Design and VE Efforts

- Some VE items may require environmental review, so the EA will remain open until the full range of VE items are determined (April/May 2007)
- Final Cost Estimates will be received and reconciliation completed (Late February 2007)
- Stakeholders contacted regarding proposed items affecting them directly (Stakeholder meeting Jan 11, continued follow-up)

VE Input Process



Stakeholders

- Jan 11 – Initial VE presentation
- Jan 12-Feb 14 – Series of Input Meetings scheduled
- Feb 15 – Final Comments due to RTD

Public

- Jan 17 – E-newsletter with VE general description
- Jan 22 – Feb 12 - VE spreadsheet with descriptions posted on website, comment tracking on-line
- Jan 31 – Public Meeting
- Feb 12 – Final Comments due to RTD**
- March 21, 21 – Final disposition reported at UDC meetings

Elected Officials

- Jan 19 – VE presentation
- Jan 22-Feb 14 – Individual meetings as requested
- Feb 16 - Presentation on VE comments and current status

Project Schedule

Next Steps



- Jan 31-** Evaluation of 65% comments due from DEA and FRSC
- Feb 19** – Internal analysis of VE items complete (based on stakeholder & public comment, impacts to schedule, EA etc)
- Feb 26** – Cost Estimates reconciled with 65% comments and VE recommendations
- March** – VE Recommendations from this process sent to RTD Board for review and approval
- March** – Modification of scope and “Cost to Complete” sent to DEA and FRSC