

PROPOSAL NO.	VE PROPOSAL DESCRIPTION	REVIEW BOARD COMMENTS	VE PROPOSED COST SAVINGS	EA IMPACTS
1	Cost Sharing with City and County of Denver for the 3 park pedestrian bridges (Wolff, Tennyson and Hazel Ct)	\$1 million to come from Denver via the \$5 million allotment for CCD Parks. RTD to cover remaining \$1 million	\$1,000,000	Minor Impact
2	Move walkways from out board on bridges to the center.		\$1,000,000	No Impact
3	Build privacy/noise fences on property line in lieu of noise walls along guideway limits	Property owners must agree through "opt-out" policy.	\$2,000,000	Minor Impact
4	Eliminate redundant platforms, where they occur, at the at-grade stations.		\$1,700,000	No Impact
5	Jack and bore tunnel under I-70 with one bore for single track		\$3,000,000	Minor Impact
6	Recycle excess on-site excavation material, in lieu of purchased materials, into structural backfill locations, such as MSE Wall fill and MSE Wall subgrade replacement.		\$7,800,000	No Impact
7	Cost sharing with City and County of Denver for bike paths to be concrete instead of asphalt.	CCD to cover \$500,000 via the \$5 million allotment for CCD parks.	\$500,000	No Impact
8	Use alternative materials for sound walls	TBD through the Noise & Vibration study and mitigation alternatives. Options for alternative materials to be discussed further with stakeholders and the public.	\$1,000,000	Minor Impact
9	Reduce Ballast Requirements	Study with regard to soil stability and use of geotech mat.	\$900,000	No Impact
10	Pre-purchase rail, ties, TPSS, OCS poles, Contact Wire, Manholes, Feeder Cables, Disconnect Switches, Ballast Weight Assemblies, Messenger Wire and Hangers for this project.		\$4,000,000	No Impact
11	Change the drainage design for MSE walls incorporating the use of an impervious membrane and drain system above the MSE wall fill		\$3,000,000	No Impact
12	Use highest concrete strength practical for precast concrete bridge elements		\$600,000	No Impact
13	Reduce height of concrete parapet on bridges and use steel handrail.		\$150,000	No Impact
14	Simplify the Ballast Wall Design		\$1,500,000	No Impact
15	Provide deeper girders more widely spaced at Dry Gulch Bridge East and West		\$30,000	No Impact
16	Lengthen Track Circuits -Reduce Boundary Blocks.		\$1,600,000	No Impact

17	Use Vital processors to perform logic at grade crossings instead of vital relays.		\$0	No Impact
18	Review cameras locations and number with RTD's Safety Manager;include in the project but evaluate number and location of cameras		savings included in #33	Minor Impact
19	Relocate the TPSS at Indiana street from a lot adjacent to the guideway to under the Indiana Street structure. VE item modified to consider deletion of substation with single track proposal.		\$2,000,000	No Impact
20	Move JeffCo Interlocking from the tail tracks to the front of the station.		\$1,500,000	No Impact
21	Eliminate pocket track at Lakewood Gulch.		\$600,000	No Impact
22	Redesign tangent diamonds, at the Auraria Wye Area, as standard diamond layouts.		\$100,000	No Impact
23	Remove future "Ghost" Station at 8th Avenue		\$90,000	No Impact
24	Build 3-car stations		\$1,600,000	No Impact
25	Eliminate duct bank encasement		\$2,500,000	No Impact
26	Denver Federal Center Slope grading - no walls		\$3,900,000	Minor Impact
27	Reduce linear footage of ornamental railing		\$2,000,000	No Impact
28	Weathering steel some bridges; eliminates painting (Platte Eldridge CML)		\$600,000	No Impact
29	Eliminate steel casing at drilled caissons		\$500,000	No Impact
30	Reduce duct bank conduit from 4-4" to 2-4"		see #25	No Impact
31	Eliminate hardware for VMS		see #33	No Impact
32	Eliminate hardware for emergency telephones		see #33	No impact
33	Defer Communication Systems (VMS and emergency telephones) except for CCTV with quantities similar to TREX standard.	Put out as bid option.	\$10,000,000	No Impact
34	Reduce markup on Systems Work	Option to remove from CM/GC scope and bid separately	\$7,000,000	No Impact
35	Consider salvage value for rail to offset demolition costs for removal of existing trackwork.		\$500,000	No Impact
36	Move walkways to center and narrow at-grade alignment envelope		\$2,500,000	No Impact
37	Evaluate materials for shelter designs and number of light fixtures in station areas.		\$1,000,000	No Impact
	Sub Total		<b>\$66,170,000</b>	
	Postponed VE Items: Sheridan Station, Auraria Station, Single Track and Drainage		<b>\$62,200,000</b>	
	Grand Total		<b>\$128,370,000</b>	