

X.7.1 Technical Proposal (Answers)

ATC #	ATC Description		ST Priority	Cost	Points value	Answer	
1	c - Utilize ERC for interim trail instead of 120th Street Frontage	Relocating trail to the ERC keeps the construction engravances free of public use.	low	Yes - Added Cost	0.5		
		Utility connections also occur on 120th ST, relocating the trail reduces disruptions to the trail.					
2	King County Sewer - Relocate 54" Metro Sewer 30 feet to the north of existing alignment	Moving the 54" sewer line 30 feet north will help constructability of the new line which disrupting existing line and reducing the duration of the bypass. It allows the entire OMF building to move north to help aid in the track alignment challenges on the smaller site.	med	Yes - Added Cost	1	x	\$ 160,000.00
3	TPSS on Slab on Grade instead of Basement - Delete the basement requirements for the TPSS and place it on SOG	moisture into electronic equipment above in the TPSS. It would also remove the confined space safety concern for maintenace personell to access the basement. This ATC would not match Sound Transit's standard design that is used everywhere else across the alignment.	high	Reduced Cost	0		
4	Use Axle Counters instead of Track Circuits King County Sewer - Side sewer connection from OMF directly to 54" Metro line via core tap	Axle Counters reduces cost and equipment which results in lower maintenace costs. Axles counters provide directional information to the vital processor without requireing any additional hardware of software. This concept does not match Sound Transit's standard but provides a large cost savings and reduced maintenance.	high	Reduced Cost	0		
5		A direct sanitary sewer service connection to the King County Sewer would reduce piping and associated maintenace for ST owner sewer mains. The shorter route through site provides more flexible design options for the building.	med	Reduced Cost	1	x	\$ (85,000.00)
6	Sand Silo Location - Locate inside OMF	The Sand Silo that provides storage for the Sand that is pumped into trains during maintenace can be relocated from outside to inside. Moving inside reduces cost, but provides only half the volume of sand storage. It provides better Aesthetics on the exterior of the building.	low	Reduced Cost	0.5		
7	TOD - Phase 2 TOD Concept that eliminates requirement for "shear wall" at East side of OMF Building	STs initial concept includes a shear wall element of the OMF building to allow for future TOD develeopment on top of a portion of the facility. Revising Phase 2 of the TOD to elimiante the need of building on top of the OMF creates a more attractive TOD concpet for future developers as well as reduces cost of the OMF building.	high	Reduced Cost	1	x	\$ (310,000.00)
8	Remove Solar Panels due to yearly sunlight average	Solar panels are perscibed in STs concept, however with the lack of sunny days in Seattle/Bellevue area the panels may not provide as much energy as expected. Removing panels significantly reduces cost but also reduces LEED points.	med	Reduced Cost	0.5		
9	Creative Solution that provides value to ST and is outside the box and well analyzed			TBD	0-1	x	
					Points		
					Max	5	
					Correct ATCs max points	3	
					Incorporation into FSR/General Summary	1	
					Schedule incorporation	1	