

## Provo Orem TRIP Project - Change Order Log for Executive Committee

Date: 5/10/2018

Issue #	Short Description	UTA share	UDOT share	3rd Party share	Change Order Amount	Contingency impact	Other notes/comments/description
<b>Change Orders using contingency funds</b>							
UVTC 053	Relocate Provo City lightpoles	\$9,781	\$6,520	\$0	\$16,301	\$9,781	Plans call for Light C40.08, C23.03, C23A.01, C23A.02, and C23B.01 to be relocated by owner. Provo City/Provo Power is owner of these lights. Per agreement with Provo City, relocation of light poles to be completed by UVTC instead of paying Provo City to complete the work.
UVTC 059	Remove private monument signs	\$3,541	\$3,541	\$0	\$7,082	\$3,541	In order to reduce potential schedule and cost impacts, UVTC will remove three private monument signs along the University Parkway corridor that were called out to be removed by owner. Make sure property owners are not paid for work our contractor performed.
UVTC 060	Cap disconnected Provo City water services at water main	\$10,723	\$0	\$9,833	\$20,556	\$10,723	Five defunct water services were discovered along University Avenue. These services were unknown and unmarked. Provo City has agreed to share in the costs to have these defunct services terminated at the water main.
UVTC 065	RFI 429 Drainage revisions at 400 S	\$6,858	\$0	\$0	\$6,858	\$6,858	Actual existing elevations were different than shown in design. Pipe runs and invert locations were revised to accommodate existing conditions.
UVTC 066	RFI 387 Revised drainage tie-in at 400 S	\$5,113	\$0	\$0	\$5,113	\$5,113	An unmarked and unknown drainage pipe was found while removing an existing catch basin at the southeast corner of 400 S and University Avenue. The unmarked pipe will be extended with RCP and tied in to the nearest catch basin.
UVTC 067	RFI 425 Replace existing pipe run P 39-5	\$13,183	\$0	\$0	\$13,183	\$13,183	Design calls for existing pipe run P 39-5 to be extended to tie-in to a new catch basin CB 39-5. However the elevation of that existing pipe run is approximately 2' too high to tie in to the new catch basin. The existing pipe run will be removed back to the adjacent man hole and replaced. This also requires removal and replacement of PCCP.
UVTC 068	RFI 337 Duct bank conflict at 700 N and 100 E	\$12,172	\$0	\$0	\$12,172	\$12,172	An existing duct bank at 100 E is at a different elevation than shown in the design and is in conflict with the storm drain as designed. Two runs of RCP pipe to be exchanged for elliptical pipe and grades adjusted to mitigate conflict.
UVTC 069	RFI 354 Utility conflicts at East Bay	\$39,078	\$0	\$0	\$39,078	\$39,078	Existing congested power and fiber optic lines at proposed manhole MH 32-2 will not allow a manhole to be installed in the designed location. The revised storm drain design requires installation of an additional new manhole and additional pipe runs. The work also requires additional removal and replacement of PCCP.
UVTC 070	Platform modifications for BRT buses at Intermodal Centers	\$12,655	\$0	\$45,458	\$58,113	\$12,655	Modifications to the platform heights and tactile panels are needed at Provo Intermodal and Orem Intermodal centers to create acceptable boarding and alighting conditions. At Orem IMC, top edge of platforms will be ground down and non-matching, settled tactile panels will be replaced. At Provo IMC, portions of the PCCP in front of the platforms will be removed and replaced at a higher elevation to allow docking of the BRT buses. The Provo IMC portion will be funded out of UTA's approved bus bay modification line item in the bus and bus facility formula funds. Third Party Share is from a spearte UTA grant for buses and bus facilities.
UVTC 071	Curb walls at 700 N trees	\$9,228	\$0	\$0	\$9,228	\$9,228	Three curb walls were added along 700 N to preserve mature trees which would have otherwise needed to be removed and damages paid to the owner for removal of the trees.
Big D 045	Dumpster pad and curb changes	\$8,599	\$0	\$8,599	\$17,198	\$8,599	A new concrete pad for a 30 yard roll off container is to be added adjacent to the trash enclosure. The current enclosure does not allow for a 30 yard container. Containment curb at recycle/fluid waste enclosure is to be modified to allow for access of forklift at this area. Also delete 52 LF of protection curb around the interior of the masonry walls that is not needed. Some of these requirements were partially specified in the RFP, but were not coordinated correctly in the design process. As a result, Big D and UTA have negotiated to share these costs 50/50.
Big D 047	Relocate misc equipment in Maintenance Building	\$14,109	\$0	\$0	\$14,109	\$14,109	Change in scope to move equipment in Bay 1 of the Maintenance Building to west side of the building. This includes relocation and reinstall of the welding hood and associated equipment. Also relocation of five other pieces of minor equipment (drill presses, grinder, etc.) and new electrical services to equipment at new location.

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Big D 049	Add new pressure washer at Wash Bldg	\$2,746	\$0	\$0	\$2,746	\$2,746	The construction documents called for removal of an existing pressure washer and water softener from the maintenance building and reinstallation of the systems at the new Wash Building. The floor pit for this equipment was also to be infilled. UTA has elected to leave this equipment active and in place and purchase a new pressure washer for the Wash Building. The current washer and softener system were not in good enough condition to relocate.
<b>Sub-Total - Items Impacting Contingency</b>		<b>\$147,786</b>	<b>\$10,061</b>	<b>\$63,890</b>	<b>\$221,737</b>	<b>\$147,786</b>	

<b>\$951,601</b>	<b>Remaing Contingency following these PCOs</b>
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### Change Orders over \$200k within budget (includes concurrent non-project activites over \$200k)

UVTC 043	900 N station mods - NDC 017	\$464,805	\$0	\$0	\$464,805	\$0	Due to ongoing discussion with BYU regarding location and configuration, UVTC's Phase 2 contract included costs for the 900 N stations near BYU based on 30% design. The station locations and configuration were changed as a result of discussion and negotiation with BYU. This PCO includes the additional utility, civil, and signal costs to finalize the design of the 900 N stations.
UVTC 057	Orem City median and corridor lighting	\$388,253	\$0	\$0	\$388,253	\$0	Per enhancement requests from the cities of Provo and Orem, landscape uplighting is being added in the medians along University Parkway and University Avenue. This is the Orem portion of those costs which is being funded from the additional enhancement budget approved for the project in December 2017. This also includes the costs to install corridor lighting from State Street to Carterville Road.
<b>Sub-Total - Items over \$200k within budget</b>		<b>\$853,058</b>	<b>\$0</b>	<b>\$0</b>	<b>\$853,058</b>	<b>\$0</b>	

### FYI Change Orders (under \$200k and not impacting remaining contingency)

UVTC 046	Deferred Scope - LED lighting at canopies	\$135,290	\$0	\$0	\$135,290	\$0	UTA is electing to add the deferred scope item of canopy LED lighting back into general contractor's scope. As a potential cost savings measure, LED lighting at the canopies was called out as a deferred item prior to execution of the full Phase 2 contract. As part of the recently approved project budget increase, the LED lighting is being added back into the project scope. The contractor and UTA estimates are equal as the item was priced as a deferred scope option in the Phase 2 agreement.
UVTC 052	Add audible crossing indicators at intersections	\$61,350	\$10,827	\$0	\$72,177	\$0	Contractor to add audible crossing indicators at all intersection legs adjacent to the new BRT stations. UTA/UDOT split for Segments 1 and 2A are 50/50. Remaining costs for Segments 2B through end of project are 100% UTA.
<b>Sub-Total</b>		<b>\$196,640</b>	<b>\$10,827</b>	<b>\$0</b>	<b>\$207,467</b>	<b>\$0</b>	