



SWLRT CHG Summary Description

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Project Name: Civil							
Civil	0648	Duct Bank Across Blake Road	Abandonment of existing manholes on either side of Blake Road and installation of new manholes and ductbank between the LRT tracks required to ensure that systemwide electrical manholes are located an adequate distance away from the freight track. (Part 2)	\$ 161,570.36	\$ 161,570.36	\$ -	\$ -
Civil	0879	Walkway Realignment and Valley Gutter Modifications at Wooddale Avenue Station	Alignment and profile modification for the unconstructed portion of the Wooddale Avenue Station walkway due to the design survey information being incorrect at Yosemite Avenue, resulting in a drainage issue at the driveway apron and steep grades at the Wooddale Avenue Station access walkway connection. (Part 2)	\$ 85,015.19	\$ 85,015.19	\$ -	\$ -
Civil	0963	Vertical Circulation Building Controls	Alter equipment IDs, furnish and install temperature sensors, edit control sequences, and revise the ACU controller from a standard thermostat to a network compatible thermostat at Bassett Creek Valley, Bryn Mawr, and West Lake Street Station VCs, required to establish additional monitoring capacities for the Building Automation System (BAS) for the elevators in these VC buildings. (Part 1)	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -
Civil	0977	Continued Geotechnical Monitoring at the CICA Building	Geotechnical, noise, and vibration monitoring at the Cedar Isles Condominium Association (CICA) building.	\$ 602,184.00	\$ 602,184.00	\$ -	\$ -
Civil	0979	Kenilworth Secant/Sheeting Wall Transitions Jet Grouting - RFI-3076	Revised direction from grouting to jet grouting at transitions from secant pile to sheet pile SOE in the Kenilworth LRT Tunnel, required as permeation grouting would not have achieved desired limitation to seepage through the transition.	\$ 453,667.28	\$ 453,667.28	\$ -	\$ -
Civil	0989	Southwest Station Bus Loop Driveway Apron and Pavers	Furnish and install new pavers in the SouthWest Station Bus Loop. Remove and replace the driveway apron at Technology Drive and the Bus Loop entrance. Bus loop driveway apron and pavers required restoration outside of the originally intended limits.	\$ 86,749.61	\$ 86,749.61	\$ -	\$ -
Civil	0991	LRT Soil Correction Sta. 2729+30 to 2758+00	Additional subcut and replace unsuitable clay material with granular material (sand) Sta. 2729+30 to 2758+00.	\$ 88,355.97	\$ 88,355.97	\$ -	\$ -
Civil	0992	Type C Fence Near Nolan Drive	Furnish and install Type C Fence between RTW-W309 and Bridge R6086 based on coordination with Greenfield Apartments.	\$ 9,248.72	\$ 9,248.72	\$ -	\$ -
Civil	0993	Van White Rectangular Rapid Flashing Beacon (RRFB) Relocation	Relocate two pedestrian push button pedestals and revise pedestrian ramp grading at Van White Memorial Boulevard to accommodate new rectangular rapid flashing beacon (RRFB) that was installed after construction began.	\$ 94,540.11	\$ 94,540.11	\$ -	\$ -
Civil	0994	Cedar Lake Spur Railroad Sensor and Instrumentation Monitoring Services	Alternate track monitoring equipment and services for the Cedar Lake Spur track adjacent to Kenilworth Tunnel excavation, required to eliminate environmental challenges (line of sight dependent, impacted by leaves, snow, other conditions) from the AMTS monitoring system.	\$ 117,047.70	\$ 117,047.70	\$ -	\$ -
Civil	0995	SC-MH-2646 Extension	Furnish and install a 2' riser section to SC-MH-2646 to alleviate the issue of the contract plan-required standard 7'6" type SC 2 MH that would have resulted in a buried structure.	\$ 7,693.77	\$ 7,693.77	\$ -	\$ -
Civil	0996	Opus Soil Correction	Modification to the backfill requirements of the sub-cut for a soil correction in the Opus area due to poor soil conditions.	\$ (21,446.62)	\$ (21,446.62)	\$ -	\$ -
Civil	0997	Elevator Interface Terminal Cabinet (ITC) and associated conduit updates to all three Vertical Circulation Buildings (VCB)	Furnish and install elevator interface cabinets (ITC) and associated conduits at all three VC buildings, required because the ITC location and sizes were not specified and conduit size and wiring details were omitted in the contract documents. (Part 1)	\$ 12,000.00	\$ 12,000.00	\$ -	\$ -
Civil	0998	OCS Foundation 287318 Modification	Due to discrepancy within the contract documents the center of the OCS foundation results in the OCS pole fouling the LRT train envelope. This change is required to demolish the OCS foundation down to the cold joint and furnish and install new rebar cage to allow OCS foundation anchor bolts to be offset from the original center of foundation. (Part 1)	\$ 50,600.00	\$ 50,600.00	\$ -	\$ -

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Civil	0999	Saw Cutting RTW-E413	Design limits of RTW-E413 and the west approach and sill of Bridge 27C16 conflict as identified in RFI-3173. This caused LMJV to perform additional work to sawcut and remove portions of RTW-E413 to relieve the conflict.	\$ 1,848.00	\$ 1,848.00	\$ -	\$ -	
Civil	1000	RTU Breaker Change at SWS	Addition of a new 50A/3P circuit breaker within Panelboard HP1 to feed RTU-1 at SouthWest Station. While the basis of design for RTU-1 specified a 60A/3P circuit breaker, the Contractor-selected RTU-1 unit has a maximum circuit breaker size of 50A/3P. The RTU-1 50A unit was selected through the Contractor's delegated design process.	\$ 2,231.08	\$ 2,231.08	\$ -	\$ -	
Civil	1001	Modification of Primary Rain Water Leader (RWL) Discharge at Downtown Hopkins (DTH) Covered Bike Shelter	Decouple the primary RWL from the underground storm by adding a new 3" plaza drain to DTH shelter plaza and terminating the installed 3" RWL piping above the new patio drain for an air gap to prevent freezing in winter.	\$ 7,996.79	\$ 7,996.79	\$ -	\$ -	
Civil	1002	West Lake VC Additional Curtain wall Framing Per RFI 3621 & 3631	Design change for West Lake Street VC's curtain wall attachment points due to a discrepancy between the architectural and structural drawings as it relates to the steel header framing for the curtain wall at both the West and East vertical circulators (VC) at West Lake.	\$ 12,512.24	\$ 12,512.24	\$ -	\$ -	
Civil	1003	United Noodle Water Service	Changes to water service installation at United Noodle because water service was not shown correctly in the Contract Documents.	\$ 29,658.86	\$ 29,658.86	\$ -	\$ -	
Civil	1004	SC-MH-2410 and SC-HH-2420 Revisions	Revise top of Manhole SC-MH-2420 to 30-inch round top due to a conflict between SC-MH-2420 and crossing panels for LRT track at 5th street. Revise Handhole SC-HH-2420 to a manhole, as Handhole SC-HH-2420 will not accommodate installation of 2-16 cell duct Banks.	\$ 15,545.05	\$ 15,545.05	\$ -	\$ -	
Civil	1005	West Lake, Bryn Mawr, and Bassett Creek Valley Stations Vertical Circulation Overflow Rainwater Leader (RWL) Modifications	Reroute overflow rainwater leaders at the West Lake, Bryn Mawr, and Bassett Creek Valley Vertical Circulation buildings to discharge directly to a patio drain or ballast due to new City of Minneapolis code requirement that overflow drains not discharge near walkways.	\$ 127,802.31	\$ 127,802.31	\$ -	\$ -	
Civil	1006	Currie Building Riprap	Furnish and install riprap swale around existing inlet at the Minneapolis Currie Building, required due to downspout off of building causing slope erosion.	\$ 3,247.31	\$ 3,247.31	\$ -	\$ -	
Civil	1007	Fremont Ave Roadway Geometry	Additional removals and signage and tree shifts at Fremont Avenue, required to properly tie into existing conditions.	\$ 19,738.60	\$ 19,738.60	\$ -	\$ -	
Civil	1009	W Lake St and Bassett Creek Valley Station Water Meters	Furnish and install heated enclosure to house the station water meter at West Lake Street and Bassett Creek Valley Stations and relocate water meter from PEX piping in the VC structure to the copper piping in the meter enclosure. Water meters need to be installed on copper or ductile iron piping per City of Minneapolis Water Department specifications. (Part 1)	\$ 95,000.00	\$ 95,000.00	\$ -	\$ -	
Civil	1010	CL-2421 Added labor and material to change design	Installation of a larger signal base (large enough for a double-masted cantilever) at 5th Street in Minnetonka, as project documents did not provide clear detail and direction for the signal base.	\$ 7,838.86	\$ 7,838.86	\$ -	\$ -	
Civil	1011	Delete RTW-E423 & extend wingwall and add slope paving at Luce Line Trail/Van White Memorial Blvd	Delete RTW-E423, increase length of Bridge R0696 SE wingwall, and revise finish grade surface due to RTW-E423 geogrid reinforcement conflict with Br 27B01 in-place geofam.	\$ 72,746.33	\$ 72,746.33	\$ -	\$ -	
Civil	1012	40977 EX CB Connection	Core drilling into the side of Bassett Creek Tunnel so the new storm sewer can be connected.	\$ 8,206.54	\$ 8,206.54	\$ -	\$ -	
Civil	1014	Quantity Adjustment for Bid Item 200 Contaminated Soils (Daily Cover) and Bid Item 210 Contaminated Soils (Direct Cell)	Zero dollar adjustment to the quantities of Bid Item 200 Contaminated Soils (Daily Cover) and Bid Item 210 Contaminated Soils (Direct Cell) in Appendix X.	\$ -	\$ -	\$ -	\$ -	
Civil	1015	Smoke Damper and Louver Modifications at VC Elevator Hoistways Per FO-393	Furnishing and installation of insulated blank off panels for the louvers in the hoistways at all VCs not shown in the contract documents.	\$ 6,463.64	\$ 6,463.64	\$ -	\$ -	
				Total	\$ 263,455,880.03	\$ 225,476,651.74	\$ 24,833,071.88	\$ 13,146,156.41
Project Name: Franklin Operations and Maintenance Facility Modifications				Total	\$ 2,571,774.34	\$ 2,444,833.28	\$ 126,941.06	\$ -
Project Name: OMF Building Demolition				Total	\$ (35,086.18)	\$ (35,086.18)	\$ -	\$ -
Project Name: Systems and Tunnel Facilities								
STF	0046	BLTI Source of Power Change	Excavation, installation, and backfilling for a new 2" LV conduit approximately 350' from the BLTI signal house to a revised Xcel SOP (Source of Power) location. (Part 2)	\$ 54,829.67	\$ 54,829.67	\$ -	\$ -	
STF	0047	Negative return, signal, and impedance bond modifications	Remedial rail signal system design modifications for negative return conduit stub ups, signals, flashers, and impedance bond details on wooden ties at Town Center Station discovered after Civil contractor turnover to Systems contractor. (Part 2)	\$ 205,272.33	\$ 205,272.33	\$ -	\$ -	

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STF	0058	Wheel Counter Modifications at Louisiana Interlocking	Modification of the signal system design to replace the 4 Tiefenbach directional wheel sensors at Louisiana Interlocking with Frauscher wheel counters to prevent an unwanted "tail ring" at Blake Road grade crossing. (Part 2)	\$ 95,648.53	\$ 95,648.53	\$ -	\$ -
STF	0060	Signal and Communication Back-up Power Requirements	Modifications to the signal and communications system backup power requirements based on the outcome of design workshops between APJV and Council staff. (Part 2)	\$ 953,345.46	\$ 953,345.46	\$ -	\$ -
STF	0062	TPSS Secondary Feed for the Signal Houses at the Joint Sites	Upsize the auxiliary power transformer (APT) from 50kVA to 100kVA and provide a secondary feed from the traction power substation (TPSS) house to the signal house and/or cut section case at 13 TPSS locations due to Xcel Energy not providing separate secondary feeds at sites that already require a primary feed to the TPSS. (Part 2)	\$ 408,160.44	\$ 408,160.44	\$ -	\$ -
STF	0069	Project Completion Extension	Increase in contract price for re-baselined costs for the Systems contract. (Part 2)	\$ 43,297,827.00	\$ 43,297,827.00	\$ -	\$ -
STF	0086	Below Deck Signal-Communications Raceway at Interchange	Construction of raceways running on/under existing bridge and new 5th Avenue and 7th Street Bridge to avoid significant cost and schedule impacts associated with coordinating underground work with the adjacent land use. (Part 2)	\$ 933,127.96	\$ 933,127.96	\$ -	\$ -
STF	0091	Revised Base Plate Drawing for Foundation E255915	Revise base plate bolt hole dimensions for OCS pole E255915 to match the installed anchor bolt dimensions. Anchor bolts for foundation were installed incorrectly by Civil contract.	\$ 9,512.12	\$ 9,512.12	\$ -	\$ -
STF	0093	Lighting Unit to be Mounted on OCS Pole	This change is to provide two "G2" luminaire lighting units mounted on the overhead contact system (OCS) pole near the entry to the Golden Triangle Station to provide adequate lighting above the pedestrian crossing due to a discrepancy in the contract documents.	\$ 11,418.87	\$ 11,418.87	\$ -	\$ -
STF	0094	OCS Southwest Station and WR 2-207 Modifications	OCS assembly arm, balance weight assembly and other adjustments needed for the proper OCS clearance at the SouthWest Station parking structure ceiling along the 2 OCS wire runs between OCS foundations W208032 and W208435.	\$ 109,339.64	\$ 109,339.64	\$ -	\$ -
STF	0095	Target Field Feeders	Replace the 8 feeder conductors to OCS poles I11A and I9 as well as 2 new splices in manhole TE 12 in order to extend the OCS and associated traction power feeder cables to the future Green Line Extension tracks at the Target Field/Interchange interlocking. (Part 1)	\$ 115,000.00	\$ 115,000.00	\$ -	\$ -
STF	0096	Traction Power Substation Foundation Design Modification	Additional drain tile clean outs at TPSS 301 in order to be able to properly clean the drain tile due to the flat nature of the TPSS 301 site.	\$ 4,101.90	\$ 4,101.90	\$ -	\$ -
STF	0098	TCTS Induced Voltage Issue - PSO Track Circuit Replacement	Re-design and replace the AC vane relay track circuit equipment with PSO track circuits on both tracks at Eden Prairie Town Center Station due to the discovery of an unforeseen issue with an existing overhead electric transmission line causing an interference issue with induced voltage on the LRT tracks impacting the performance of the designed AC powered track circuits. (Part 1)	\$ 45,000.00	\$ 45,000.00	\$ -	\$ -
Total				\$ 65,980,468.98	\$ 65,855,468.98	\$ 125,000.00	\$ -