



### 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	0653	Modifications to Conduit Locations and Hand Holes/Openings within Structural Steel at West Lake Street Station West and East Vertical Circulation Structures	Change to relocate conduits, hand holes, and openings in the structural steel at select locations to provide a path for conduit and circuit installation at West Lake Street Station vertical circulation structures. (Part 2)	\$ 141,451.73	\$ 141,451.73	\$ -	\$ -
Civil	0656	Emergency/Ballast and Tamping on the Cedar Lake Spur	Emergency ballast and tamping on the Cedar Lake Spur due to construction activities associated with the Kenilworth LRT Tunnel. (Part 2)	\$ 177,502.57	\$ 177,502.57	\$ -	\$ -
Civil	0686	RTW E218 Temporary Access Road for CP's Turnout Pad	Construction of Class V temporary access road in order to allow CP access to turnout pad at RTW E218. (Part 2)	\$ 20,541.32	\$ 20,541.32	\$ -	\$ -
Civil	0728	Smetana Road Curb Modifications to Greenfield Apartment Emergency Access	Removal and replacement of the curb and gutter on the NE side of Smetana Road Bridge to allow for emergency access to the Greenfield apartment complex.	\$ 35,450.78	\$ 35,450.78	\$ -	\$ -
Civil	0733	Drainage Modifications Under I-94 Bridges	Drainage modifications on the north side of the BNSF track under the I-94 bridges necessary to fulfill a stakeholder agreement requirement. (Part 1)	\$ 98,000.00	\$ 98,000.00	\$ -	\$ -
Civil	0753	WPA Wall - Preconstruction Condition Assessment	Additional reconstruction work for the WPA walls at Cedar Lake Channel due to worsening condition of the walls since the creation of the original contract documents. (Part 2)	\$ 1,195,176.34	\$ 1,195,176.34	\$ -	\$ -
Civil	0821	Fence Mounting at BMP 522	Furnishing and installation of a thickened concrete slab and surface-mounted Fence Type C in lieu of the current fence/foundation design at BMP 522 required because, due to CHG - 567 changing BMP 522 to a 60" pipe with a third row of pipes, there is no longer enough cover between the pipe and the finished grade. (Part 2)	\$ 40,118.30	\$ 40,118.30	\$ -	\$ -
Civil	0835	Shady Oak South Pond Dewatering & Associated Storm Sewer System	Dewatering for the Shady Oak South Pond. (Part 1)	\$ 1,229,975.00	\$ 1,229,975.00	\$ -	\$ -
Civil	0838	Modifications to 01 10 00 Summary Specification and Appendix G	Council and Contractor coordination of the Hopkins Rail Support Facility site, Beltline Laydown area, and West Lake Street Station area track and station turnovers and substantial completion.	\$ -	\$ -	\$ -	\$ -
Civil	0850	Storm and Systems Modifications at Royalston Avenue and Holden Street	Near Royalston Avenue and Holden Street, relocation of manholes due to conflict with duct bank and fiber as well as relocation of track drains due to conflict with rail access boxes. (Part 2)	\$ 19,289.27	\$ 19,289.27	\$ -	\$ -
Civil	0866	Added Ballast Curb in City West Station	Approximately 50 LF of ballast curb is added between the City West Station platform at-grade crossing and the beginning of the retaining wall at approx. Station 2299+50; track plans do not show a ballast curb.	\$ 16,090.34	\$ 16,090.34	\$ -	\$ -
Civil	0869	Delete RTW E409 and Install K4 Barrier	Delete RTW E409, grade slope, construct trail, install K4 barrier, and revise maintenance walk width at the trail intersection between Royalston Avenue, Twins Way, and the Minnesota Ballpark Authority (MBA) parking lot due to the distance required between the retaining wall and the K4 barrier fence. (Part 1)	\$ -	\$ -	\$ -	\$ -
Civil	0870	Southwest Station Door 114B Automatic Closer Change	Modify Southwest Station Door 114B door and frame to allow for a 6" x 6" header box to hold the automatic door opener and closer and allow Overhead Door 114C to function as intended.	\$ 15,793.31	\$ 15,793.31	\$ -	\$ -
Civil	0871	Southwest Station Preformed Joint Sealant	Furnish and install preformed joint sealant between two concrete columns in the Southwest Station Bus Waiting Area (Area D) required in order to adequately seal the building interior.	\$ 2,743.13	\$ 2,743.13	\$ -	\$ -
Civil	0872	West Lake Street East Vertical Circulation Building Stair Lighting	Modify location of luminaire to an upper beam location below the Bridge Level at the West Lake Street East Vertical Circulation Building Stair; incorrect location identified in contract documents.	\$ 12,275.45	\$ 12,275.45	\$ -	\$ -
Civil	0873	Removals for Hydrant Water Main Connections On Shady Oak Road	Per RFI 3169, additional saw cutting and removal of materials, not identified on the plans, are required before connecting the proposed hydrant at Shady Oak Road near the West 70th Street intersection, including restoration in the area to match the existing pavement section after connecting the proposed hydrant.	\$ 18,890.61	\$ 18,890.61	\$ -	\$ -
Civil	0874	Revised TCE Along W 62nd St	Adjustment of construction fence, and erosion control BMPs to a 1:3 or flatter slope near the proposed W. 62nd street and trail at revised TCE limits.	\$ 6,915.38	\$ 6,915.38	\$ -	\$ -

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Civil	0875	West Lake VC Elevation Modifications and Grade Beam Adjustments	At the West Lake Street Station West VC Structure, additional formwork and concrete costs required to accommodate a 5" depth increase for all grade beam foundations due to incorrect footing elevations in the plan sheets.	\$ 15,068.41	\$ 15,068.41	\$ -	\$ -
Civil	0876	Southwest Station Key Storage and Striping	Addition of the key storage device at Southwest Station Area D West Elevation and the addition of column striping to identify standpipes at Southwest Station Parking Ramp Column B6, Levels 2, 3, and 4 as required by the City of Eden Prairie Fire Marshall.	\$ 2,592.48	\$ 2,592.48	\$ -	\$ -
Civil	0877	Delete Pocket Track Duct Bank SC-2415-2	Delete duct bank SC-2415-2 duct bank between LRT mainline and pocket track from project scope of work due to unconstructability within the schedule.	\$ (9,705.54)	\$ (9,705.54)	\$ -	\$ -
Civil	0878	TE-2293-1 and TE-2293-2 Listed as TE Ductbank (FO-249)	Contract drawings revised the subject conduit from TE conduit to TE duct bank, which requires concrete encasement of duct banks TE-2293-1 and TE-2293-2 in red concrete.	\$ 5,883.02	\$ 5,883.02	\$ -	\$ -
Civil	0879	Wooddale Avenue Station Walkway Realignment and Yosemite Avenue Valley Gutter Modifications	The design survey information was found to be incorrect at Yosemite Avenue, which resulted in a drainage issue at the driveway apron and steep grades at the Wooddale Avenue Station access walkway connection. The scope of this change provides an alignment and profile modification for the unconstructed portion of the Wooddale Avenue Station walkway, reconstructs Yosemite Avenue driveway to add a valley gutter, and furnishes and installs additional landscaping and one additional light pole surrounding the revised Wooddale Avenue Station walkway alignment. (Part-1)	\$ 23,750.00	\$ 23,750.00	\$ -	\$ -
Civil	0880	Manhole Revisions at 5th Street South	Per RFI - 3196, the proposed Handhole SC-HH-2420 is too small to support 16 cell duct banks running to it. Track crossing panels will conflict with Manhole SC-MH-2420 between the tracks if they are installed per plan. The scope of this change revises handhole SC-HH-2420 to SC-2 manhole. In addition, the ballast curb and fence are to be truncated at the new manhole to prevent conflict. Lastly, this change revises the top of manhole SC-MH-2420 to a smaller round top. (Part-1)	\$ 16,800.00	\$ 16,800.00	\$ -	\$ -
Civil	0881	Revised Underground BMP Aggregate Material	Change in the subsurface infiltration aggregate for underground infiltration BMPs from limestone to non-limestone material to comply with watershed district requirements.	\$ 183,595.21	\$ 183,595.21	\$ -	\$ -
Civil	0882	Spec 01 21 00: Allowance 503, Unforeseen Conditions Work Allowance Increase for 2024	Increase Allowance 503, Unforeseen Conditions Work Allowance, by \$1,200,000.00, changing the allowance sum from \$5,312,464.84 to \$6,512,464.84.	\$ 1,200,000.00	\$ 1,200,000.00	\$ -	\$ -
Civil	0883	Spec 01 21 00: Allowance 505, Freight Railroad Maintenance Allowance Increase for 2024	Increase Allowance 505, Freight Railroad Maintenance, by \$1,141,000.00, changing the allowance sum from \$5,274,298.22 to \$6,415,298.22.	\$ 1,141,000.00	\$ 1,141,000.00	\$ -	\$ -
Civil	0884	Quantity Adjustment for Bid Item 200 Contaminated Soils (Daily Cover) and Bid Item 210 Contaminated Soils (Direct Cell) - 2023 through 2025	Adjusts the quantities and unit pricing of Bid Item 200 Contaminated Soils Disposal (Daily Cover) and 210 Contaminated Soils Disposal (Direct Cell).	\$ 2,093,984.07	\$ 2,093,984.07	\$ -	\$ -
Civil	0885	Pipe Connection to Shady Oak South Pond for Future Hopkins Rail Support Facility (HRSF)	Furnish and install storm sewer stub through pond liner at Shady Oak South Pond for future Rail Support Facility connection.	\$ 18,323.24	\$ 18,323.24	\$ -	\$ -
Civil	0886	Louisiana Ave/Oxford St Intersection	To coordinate with the future roadway reconstruction project by the city, the scope of this change extends the construction limits of removal, construct intersection as asphalt instead of concrete pavement, and extend proposed striping where additional concrete is removed.	\$ (15,733.23)	\$ (15,733.23)	\$ -	\$ -
Civil	0887	Southwest Station Added Water Connection for Humidifier in Mechanical Room 104	Through RFI - 2870, the Council directed the Contractor provide a domestic water line, not included in the original contract documents, to feed the humidifier in Mechanical Room 104 from the Staff Men's Restroom (Room 105).	\$ 8,349.23	\$ 8,349.23	\$ -	\$ -
Civil	0888	Reinforcing at Station Ramp Crossings	At all at-grade station ramp crossings, addition of 4x4 epoxy-coated WWF (welded wire fabric) reinforcing to cast-in-place concrete slabs as well as geotextile fabric where the slabs are over ballast fill per RFI's 1934 and 2813.	\$ 76,509.45	\$ 76,509.45	\$ -	\$ -
Civil	0889	Trail Connection Near City West Station	The scope of this change extends existing trail to connect with proposed multi-use trail (approx. 35 ft. section) along W. 62nd street in Segment 5; the connection of these trails was not shown on the original contract documents.	\$ 1,077.78	\$ 1,077.78	\$ -	\$ -
Civil	0890	Bassett Creek VC Utility Conflict	Lowering the invert elevations of the sanitary sewer and domestic water line utilities at Bassett Creek Valley Station VC structure per RFI-2816 to alleviate elevation conflict between utilities and duct bank at Bassett Creek Valley VC structure.	\$ 10,688.74	\$ 10,688.74	\$ -	\$ -

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Civil	0891	RTW E408 Panel 6A Modifications	In order to properly tie RTW-E408 into the existing retaining wall based on actual conditions in the field, the scope of this change reduces RTW E408 Panel 6A height and requires saw cutting of the existing retaining wall to create a smooth joint.	\$ 2,882.51	\$ 2,882.51	\$ -	\$ -
Civil	0892	Blake Road Sidewalk Joint Sawcutting	The scope of this change is for additional concrete saw cutting of the sidewalk joints on the east side of Blake Road (approximately 700 LF) to match the adjacent existing concrete sidewalk pattern.	\$ 3,935.93	\$ 3,935.93	\$ -	\$ -
Civil	0893	Daily CICA Noise and Vibration Reporting	Part 1.05 J of Contract specification 01 57 00 requires weekly submittal of vibration monitoring reports. SWLRT has requested daily reporting be supplied for vibration data at CICA due to secant wall installation.	\$ 13,566.00	\$ 13,566.00	\$ -	\$ -
Civil	0894	West Lake Street Station East Vertical Circulator Grid E5-E6 Conflict	At the West Lake Street Station Vertical Circulator structure, AWM panel reconfiguration is necessary because the design drawings did not accurately reflect the structural steel framing elements at the B5 beam between Grids E5 & E6 at EL 115'-3 1/4" , as stated in the RFI 2878 response.	\$ 10,645.95	\$ 10,645.95	\$ -	\$ -
Civil	0896	DF Fasteners at Bridge Abutments for DF to BAL Track Transitions	Addition of fasteners on the bridge abutment as the track transitions from ballast to direct fixation (DF) track at the approaches of 8 bridges.	\$ 66,638.91	\$ 66,638.91	\$ -	\$ -
Civil	0897	Burnham Road Bridge 27767 Pier 1 Pier Protection Removal	Delete Pier 1 pier protection information and details from the Burnham Road Bridge (Bridge 27767) plan sheets and contract scope of work, as the existing geometry of the pier meets the requirements for "heavy construction" and the also meets the requirements of MnDOT LRFD Bridge Design Manual Section 11.2.3.2.2 for piers of bridges spanning railways.	\$ (17,650.08)	\$ (17,650.08)	\$ -	\$ -
Civil	0898	Hennepin County Fiber	Per comments from Hennepin County upon review of STF CSUB-1260, conduit connections and handhole work is modified at West Lake Street, Kenilworth Tunnel and I-94 to Royalston Avenue.	\$ (53,011.83)	\$ (53,011.83)	\$ -	\$ -
Civil	0899	Revisions for North Cedar Lake Trail-Freight Pedestrian Flasher Offset	Relocate flasher foundation from 8.5' to 10' from freight rail centerline and downsize flasher hoods from 17" to 12" to avoid intruding on freight envelope.	\$ (5,218.45)	\$ (5,218.45)	\$ -	\$ -
Civil	0900	Short Sheet Repair - Br 27C15	An unforeseen underground obstruction resulted in the inability to complete full depth sheet pile installation at BR27C15 with the Giken press pier. In order to complete the driving, LMJV was required to partially backfill 5,000 CY of material at tunnel cell CW-1 to stage heavy equipment, adding a metal strut across CW-1 to support the sheeting, complete the sheet pile installation, and then remove the added backfill material and strut.	\$ 95,194.02	\$ 95,194.02	\$ -	\$ -
Civil	0901	Emergency Ballast and Tamping on Cedar Lake Spur	The scope of this change is to provide immediate emergency ballast, tamping and repair on the Cedar Lake Spur to maintain uninterrupted freight railroad traffic when sinkholes or voids are created around the freight rail track due to construction activities associated with the Kenilworth Tunnel (27C15). This change will be issued as a part-one change and will be billed against as costs are incurred. (Part 1)	\$ 346,000.00	\$ 346,000.00	\$ -	\$ -
Civil	0902	Segment 7 Cathodic Protection	Furnishing and installing anode bags, excavation and restoration near the LRT track grade, and turf reestablishment on the south end of R0715.	\$ 28,558.25	\$ 28,558.25	\$ -	\$ -
Civil	0903	Opus Bus Shelter Additional Conduits	Installation of two (2) additional conduits required for future connections before pouring concrete for the Opus Station bus shelter's base slab.	\$ 1,711.68	\$ 1,711.68	\$ -	\$ -
Civil	0904	Steel Member at West Lake VC (West) - Change B8 to B4	Plans indicate a 3.5"x 3.5" HSS member where a 12"x 6" HSS member is required, so the beam identification label was change from B8 to B4, per FO-259.	\$ 3,122.71	\$ 3,122.71	\$ -	\$ -
Civil	0905	Crossing House Lighting Controls for Adjacent Lighting Units	Added detail to clarify drawing notes for Contractor to furnish and install lighting controls in three Crossing Houses (HX-VIKG, HX 11TH, and HX-GLEN) for adjacent track lighting units due to discrepancy in contract documents.	\$ 12,197.71	\$ 12,197.71	\$ -	\$ -
Civil	0906	Additionally Requested Track Inspections	Two each cold weather rail breaks occurred on the Bass Lake Spur line, which prompted TCWR to require additional track inspection outside of normal working hours, unless and until further documentation could be produced to show there wasn't a workmanship issue with the rail material or welds made by the contractor.	\$ 157,779.16	\$ 157,779.16	\$ -	\$ -
Civil	0907	Southwest Station Area D Exterior Façade Damage	Change order to fix damage to finished façade elements on the north elevation of Southwest Station Area D within the TPSS 301 site caused by the Council's follow-on Systems contractor, APJV.	\$ 3,725.92	\$ 3,725.92	\$ -	\$ -
Civil	0908	Insulated Joint (IJ) Installation at Universal Interlockings	Installation of 4 insulated joints at each of the 3 single cross-over locations (5th St Interlocking, Beltline Interlocking, and I-394 Interlocking) due to discrepancy within contract documents.	\$ 23,067.00	\$ 23,067.00	\$ -	\$ -

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Civil	0909	NCR 530 Credit for Incorrect Underground Conduit Size	Credit change resulting from a nonconformance report documenting incorrect underground conduit size installed at Downtown Hopkins and City West Stations Park and Rides.	\$ (1,170.12)	\$ (1,170.12)	\$ -	\$ -
<b>Total</b>				\$ 251,665,419.65	\$ 213,162,758.70	\$ 25,356,504.05	\$ 13,146,156.90
<b>Project Name: Franklin Operations and Maintenance Facility Modifications</b>							
<b>Total</b>				\$ 2,570,329.90	\$ 2,443,388.84	\$ 126,941.06	\$ -
<b>Project Name: OMF Building Demolition</b>							
<b>Total</b>				\$ (35,086.18)	\$ (35,086.18)	\$ -	\$ -
<b>Project Name: Systems and Tunnel Facilities</b>							
STF	0044	Traction Power Substation Foundation Design Modification	Foundation modifications for all traction power substations and tunnel system houses (except for TPSS SW303) due to the base contract design not providing adequate space for the necessary conduit and wiring required for operation of the substations. (Part 2)	\$ 4,524,243.46	\$ 4,524,243.46	\$ -	\$ -
STF	0045	Revise Negative Return at Southwest Interlocking	Negative return modifications at Southwest Interlocking required to match the locations of the installed insulated joints. (Part 2)	\$ 54,085.06	\$ 54,085.06	\$ -	\$ -
STF	0069	Project Completion Extension	Increase in contract price for re-baselined costs for the Systems contract. (Part 1a)	\$ 20,388,680.00	\$ 20,388,680.00	\$ -	\$ -
STF	0070	IDS Source of Power and Conduit Stub Up	Updates to Intrusion Detection System (IDS) cabinet power feeds due to the power feeds not being clearly identified or the identified source of power being too far away. (Part 1)	\$ 21,711.03	\$ 21,711.03	\$ -	\$ -
<b>Total</b>				\$ 18,992,545.06	\$ 18,992,545.06	\$ -	\$ -