



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	0001	Relocation of Royalston Signal Bungalow	Minor shift to the location of the Royalston signal house/bungalow.	\$ -	\$ -	\$ -	\$ -
Civil	0002	Revise Specification for SB-44 Stainless Steel Reinforcement Bars	Added product lot language for stainless steel samples used for testing/QC.	\$ -	\$ -	\$ -	\$ -
Civil	0003	Replace the Existing S7 processor at the SWLRT/BLRT Interchange	Replacing signal processor in the Interchange signal house near Target Field.	\$ (23,041.34)	\$ (23,041.34)	\$ -	\$ -
Civil	0004	Additional Fence from TPSS-SW314 to the SLP Gate	Additional fence on north side of access road to TPSS site.	\$ 7,332.54	\$ 7,332.54	\$ -	\$ -
Civil	0005	Modify Curb Removal Near Station 21+50	Curb that was originally scheduled for removal is now to remain.	\$ -	\$ -	\$ -	\$ -
Civil	0006	Source of Power Allowance (SWLRT-budgeted)	Contractor will be responsible for coordinating with the power company to obtain electrical services for location in the contract documents.	\$ 1,100,000.00	\$ -	\$ 1,100,000.00	\$ -
Civil	0007	Modification of Appendix W and the System-wide Electrical Schedule (page 38)	Design clarification to schedule supporting documentation and electrical schedule for conduit size.	\$ -	\$ -	\$ -	\$ -
Civil	0008	Temporary Construction Easements (TCE) and Limits of Construction (LOCN) Modifications	Change to drawings limits for Temporary Construction Easement.	\$ -	\$ -	\$ -	\$ -
Civil	0009	Remove Diseased Elm Trees	Remove diseased trees in project construction limits.	\$ 1,180.53	\$ 1,180.53	\$ -	\$ -
Civil	0010	Modify Ornamental Railings	Modify the ornamental railings material from stainless steel to galvanized ferrous steel at the Cedar Lake Channel Bridge.	\$ (80,757.60)	\$ (80,757.60)	\$ -	\$ -
Civil	0011	Modify Storm Sewer Removal Between 2311+00 to 2314+50	Change linear footage of storm sewer removals by approximately 25 linear feet.	\$ -	\$ -	\$ -	\$ -
Civil	0012	Update Sidewalk Plans at Parcel 203	Remove and reinstall the existing pavers.	\$ 25,157.00	\$ 25,157.00	\$ -	\$ -
Civil	0013	Revise SW Station Pier Cap and Elevations	Design clarification to top of pier cap elevation at Southwest Parking Structure.	\$ 404.56	\$ 404.56	\$ -	\$ -
Civil	0014	Bridge 27R34 Detailing Revisions (Shady Oak Bridge)	Revise dimensional per RFI response for Highway 212/ Shady Oak Road Bridge.	\$ -	\$ -	\$ -	\$ -
Civil	0015	Reduce the Temporary Easement (TE) at Parcel 811	Temporary Easement change on Van White Memorial Blvd.	\$ -	\$ -	\$ -	\$ -
Civil	0016	Modifications to Roadway and Drainage near Opus Station	Modified access to parcel off of Bren Road East.	\$ 1,657.64	\$ 1,657.64	\$ -	\$ -
Civil	0017	Update Trail Detour Plan at Luce Line Trail Bridge	Additional signs for revise the trail detour plan.	\$ 7,625.22	\$ 7,625.22	\$ -	\$ -
Civil	0018	Revise Specification Section 01 57 00 - Temporary Controls Monitoring Equipment	Additional vibration monitoring equipment for Calhoun Isle condominium Association and Evine Studios locations.	\$ 181,105.54	\$ 181,105.54	\$ -	\$ -
Civil	0019	Nighttime Piling near Shop HQ	Nighttime piling work from Golden Triangle Station to the Shady Oak Bridge. (part 2)	\$ 109,670.33	\$ 109,670.33	\$ -	\$ -
Civil	0020	Temporary Rail Track Turnout	Changes to limits of inspection and maintenance for operation track and added clarification of the out of service responds time for freight track services.	\$ 62,825.45	\$ 62,825.45	\$ -	\$ -
Civil	0021	West Lake Street, Bryn Mawr and Bassett Creek Valley Station Plumbing Modification	Eliminate the area drain and associated sanitary/storm plumbing called out in the elevator lobbies.	\$ (9,761.00)	\$ (9,761.00)	\$ -	\$ -
Civil	0022	394 Pier Protection	Modification to the type of rebar for 394 pier protection.	\$ 43,736.67	\$ 43,736.67	\$ -	\$ -
Civil	0023	Update Davis Bacon Highway and Heavy Rates	Updated Davis Bacon Highway and Heavy Rates were changed due to rates expired from the time of bid.	\$ 5,057.53	\$ 3,400.00	\$ -	\$ 1,657.53
Civil	0024	Bridge 27C06 Pier 9 and 10 Completion Date Required Revisions	Removal of the date requirement for Prairie Center Bridge Piers 9 and 10.	\$ -	\$ -	\$ -	\$ -
Civil	0025	Beltline Park and Ride staging/laydown area	Modified duration of lay down yards near Beltline Station.	\$ -	\$ -	\$ -	\$ -
Civil	0026	Spec 01 57 00 Temporary Controls - Night Shift for SOE and Backfilling and Monitoring near Shop HQ	Additional costs for required night shift work for support of excavation (SOE) and backfilling activities due to vibration limits of the surrounding areas. (Part 2)	\$ 100,951.49	\$ 100,951.49	\$ -	\$ -
Civil	0027	Bridge 27C16 Detailing Revisions	Updated Contract Drawings per RFI response for Glenwood Bridge West	\$ -	\$ -	\$ -	\$ -
Civil	0029	Collapsed Pipe Repair	Clean and repair existing storm sewer near the Minnetonka/Hopkins Bridge	\$ 30,022.60	\$ 30,022.60	\$ -	\$ -
Civil	0030	Asphalt Paving @ SW Transit to Mitigate Discharge to Purgatory Creek	Place asphalt pavement in place of the existing gravel grade to allow site water drain properly.	\$ 11,710.18	\$ 11,710.18	\$ -	\$ -
Civil	0031	Revisions to Appendix H - Southwest Stations Phasing	Change to the contract phasing plan for southwest station to better facilitate construction.	\$ -	\$ -	\$ -	\$ -
Civil	0032	Modify Detail for Bridge Expansion Joints	The revised expansion joint detail to reduce maintenance concerns.	\$ -	\$ -	\$ -	\$ -
Civil	0033	Bridge 27C06 - Show Bar S535E Dowels on Foundation Drawings	Modification rebar details for the Prairie Center Drive Bridge	\$ 6,668.80	\$ 6,668.80	\$ -	\$ -
Civil	0034	Structures Changes due to BNSF - West of Glenwood (SWLRT-budgeted)	Modifications to structural elements west of Glenwood including retaining walls, bridges and utilities.	\$ 1,073,385.40	\$ -	\$ 1,073,385.40	\$ -
Civil	0035	Relocate TWC Loops at Royalston Station	Embedded Train to Wayside Control (TWC) antennae needed to be shifted as a result of the train stop position change at the Royalston Station.	\$ -	\$ -	\$ -	\$ -
Civil	0036	WB 494 lane shifts for pier construction on Bridge 27W32	Shifting the lanes the roadway will provide additional work area needed for the construction.	\$ 79,215.60	\$ 79,215.60	\$ -	\$ -
Civil	0037	Temporary Construction Easement (TCE) Modifications	Change in TCE that reduces scope of work at 11th Avenue.	\$ (2,373.96)	\$ (2,373.96)	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0038	Resurface the Existing Trail Near Bassett Creek Valley Station	Remove and replace the existing trail, so it can be used for temporary trail detour for the Luce Line Bridge Construction.	\$ 64,437.55	\$ 64,437.55	\$ -	\$ -
Civil	0039	Backup Generator Service for Pizza Luce	Provide power to Pizza Luce in Hopkins while Xcel energy completes their work.	\$ 31,933.87	\$ 31,933.87	\$ -	\$ -
Civil	0040	Landscaping Modifications at Parcel 407	Addition of ten trees.	\$ 8,316.46	\$ 8,316.46	\$ -	\$ -
Civil	0041	LNTN summary 01 10 00 spec change	Extends Civil LNTN by 30 days	\$ -	\$ -	\$ -	\$ -
Civil	0042	Appendix Q Modifications	Stormwater Pollution Prevention Plan (SWPPP) Amendment Log update for Appendix Q.	\$ -	\$ -	\$ -	\$ -
Civil	0043	Parcel 309 - ROW Modifications	Temporary Easement change at TH 212 and Shady Oak	\$ -	\$ -	\$ -	\$ -
Civil	0044	Salvage and Reinstall Signage at Parcel 801 and 802; Modify Construction Limits (TCE) at Parcels 800 and 802	Salvage and reinstallation of existing signs on parcels along Wayzata Blvd.	\$ 42,888.39	\$ 42,888.39	\$ -	\$ -
Civil	0045	Parcel 221 Modification to Existing Conditions at Hampton Inn	Change to access drive grading, retaining wall, sanitary sewer and grading along Technology Drive.	\$ 214,970.24	\$ 214,970.24	\$ -	\$ -
Civil	0046	Beltline Pedestrian Bridge R0692 Piers	Modifications to pier cap reinforcement, column reinforcement, and factored pile design load changes.	\$ 7,842.42	\$ 7,842.42	\$ -	\$ -
Civil	0047	LNTN-3 Summary 01 10 00 Specification Change	Change order extends LNTN period and raises the maximum funds.	\$ -	\$ -	\$ -	\$ -
Civil	0048	SWLRT Project Partnering	Adding 3rd party partnering sessions.	\$ 80,650.00	\$ 80,650.00	\$ -	\$ -
Civil	0049	Parcel 502 - Remove existing fence within Easement. Parcel 507 - Relocate/Eliminate Light Poles.	Scope reduction in fencing and light pole electrical work to meet ROW requirements.	\$ (7,498.38)	\$ (7,498.38)	\$ -	\$ -
Civil	0050	Excelsior Water Main	Install a cased water main under the freight tracks at Excelsior BLVD	\$ 455,854.20	\$ 455,854.20	\$ -	\$ -
Civil	0051	Remove of substructure elements abandoned from the previous Glenwood Ave Bridge 90499(705)	Abandoned concrete footing was unknown and not identified in the removal plans.	\$ 47,156.71	\$ 47,156.71	\$ -	\$ -
Civil	0052	Remove six (6) 7'X7'X7' concrete anchors	Concrete blocks were unknown and not identified in the removal plans.	\$ 26,372.06	\$ 26,372.06	\$ -	\$ -
Civil	0053	Trail Paving Asphalt Mix Designs	Change from base course to wear course a asphalt mix designs.	\$ 17,206.73	\$ 17,206.73	\$ -	\$ -
Civil	0054	Generator for WM H McCoy and 43 Hoops Basketball Academy	Provide temporary power during support of excavation work for Blake pedestrian tunnel. Change is Part 1 and will be paid out on actuals.	\$ 37,588.67	\$ 37,588.67	\$ -	\$ -
Civil	0055	Fel / Smetana _Alternate Staging Plan	Modifications to phasing plans and provide a temporary bypass road.	\$ 37,050.40	\$ 37,050.40	\$ -	\$ -
Civil	0057	Revise Drantile Alignment to Avoid Parcel 401	Modifying drain tile removals and alignment to avoid parcel 401.	\$ (2,022.83)	\$ (2,022.83)	\$ -	\$ -
Civil	0058	Drainage Clarifications	Elevation changes to drainage plan to conflicts during construction.	\$ (1,097.25)	\$ (1,097.25)	\$ -	\$ -
Civil	0059	Golden Triangle Station Encase GRS Conduit	Concrete encase all direct bury conduit with-in the footprint of Golden Triangle Station.	\$ 70,435.87	\$ 70,435.87	\$ -	\$ -
Civil	0060	Kenilworth Tunnel / Track Drawing Revision (RF1 5 & 12)	Adjustment to tunnel excavation elevation.	\$ 229,760.32	\$ 229,760.32	\$ -	\$ -
Civil	0061	Additional Opus Area MOT Bituminous Paving	Provide a temporary access road to Parcel 315.	\$ 194,731.09	\$ 194,731.09	\$ -	\$ -
Civil	0062	Vibration and Sound Monitoring	Modifies vibration and noise monitoring requirements at four project locations.	\$ 689,058.82	\$ 689,058.82	\$ -	\$ -
Civil	0063	TH 62 Tunnel Construction/Red Circle/Yellow Circle Drive	Change which allows construction of the LRT tunnel under TH 62 during the winter.	\$ 632,726.65	\$ 632,726.65	\$ -	\$ -
Civil	0064	Specification Section 01 29 73 - Schedule of Values	Extend the use of Schedule of Values for contractor invoice payments.	\$ -	\$ -	\$ -	\$ -
Civil	0065	Utility Relocations at West Lake Station near 31st Street (\$484,000 is Hennepin County-funded)	Modifications to roadway, drainage, and utilities at 31st Street	\$ 864,408.02	\$ 380,408.02	\$ 484,000.00	\$ -
Civil	0066	Relocated Landscape Materials for Opus Station	Moving Tree Locations in the Contract Drawings	\$ -	\$ -	\$ -	\$ -
Civil	0067	Gas main in conflict with contract required SOE for the Blake Underpass	Contractor's support of excavation required a location of the gas line for safety reasons.	\$ 584,648.68	\$ 584,648.68	\$ -	\$ -
Civil	0068	Re-define demolition limits at Parcel #424 post roof collapse	Additional site security, engineering and construction of temporary shoring at the Hopkins Tech Center due to partial roof collapse. Change is Part 1 and will be paid out on actuals.	\$ 98,083.80	\$ 98,083.80	\$ -	\$ -
Civil	0069	Nine Mile Creek Bridge Sanitary Sewer	This change resulted from RFI	\$ 23,750.29	\$ 23,750.29	\$ -	\$ -
Civil	0070	CKLN 188 SOE - Duct Bank Relocation	SOE design modifications to support utility relocation	\$ 273,354.74	\$ 273,354.74	\$ -	\$ -
Civil	0071	Bridge Construction by the City of St. Louis- @ Wooddale and Hwy 7	Removal of curb and gutter work from civil contractor's scope at intersection.	\$ (43,980.78)	\$ (43,980.78)	\$ -	\$ -
Civil	0072	Eliminate a Parking Lot at Golden Triangle Station	Removing second Park And Ride lot from the Golden Triangle station location.	\$ (340,272.09)	\$ (340,272.09)	\$ -	\$ -
Civil	0073	TH100 BR 27W34 drawing change	Modification of a 2" inset at each face of the pier for the HWY 100 Freight Bridge	\$ 4,521.25	\$ 4,521.25	\$ -	\$ -
Civil	0074	Revised Sanitary plan sheets from Volume 7	Field conditions of two manholes vary from plan set.	\$ 26,726.93	\$ 26,726.93	\$ -	\$ -
Civil	0075	Stray Current Clarification for Retaining Wall	Adding stray current requirements for 8 retaining walls	\$ 36,344.63	\$ 36,344.63	\$ -	\$ -
Civil	0076	Specification 01 21 00 Change Asbestos and Regulated Waste	Reallocation of allowance lump sum value.	\$ -	\$ -	\$ -	\$ -
Civil	0077	Appendix K - Construction Protection Plan for Historic Properties (CPHP) minor edits	Franklin OMF location was added and clarification to damage procedures for historic properties	\$ -	\$ -	\$ -	\$ -
Civil	0078	Delay to Manifest Train	Two hour delay to a train on the Bass Lake Spur.	\$ (4,662.00)	\$ (4,662.00)	\$ -	\$ -
Civil	0079	Relocation of Lift Station at Blake Road	Changed the location of the storm lift station.	\$ 70,377.53	\$ 70,377.53	\$ -	\$ -
Civil	0080	Grading near trailhead south of Smetana Rd	Adjusts the grading and landscape to match with existing conditions at trailhead	\$ -	\$ -	\$ -	\$ -
Civil	0081	TH 100 bridge (27303), LRT over BNSF (R0697) & Glenwood bridges (27C16 and 27C17) expansion joint mods	Change the configuration of the bridge expansion joint.	\$ -	\$ -	\$ -	\$ -
Civil	0082	Seed mix near wetlands (buffer zone) requirement Nine Mile Creek Watershed District.	Temporary seeding mix change	\$ -	\$ -	\$ -	\$ -
Civil	0083	Parcel 712 Sidewalk Shift	Adjustment to sidewalk alignment to accommodate Right of Way (ROW) negotiations.	\$ -	\$ -	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0084	Eden Prairie Town Center Station Addition (Eden Prairie-funded)	Station work related adjacent sitework and the addition of the Station Platform and Canopy.	\$ 11,413,550.00	\$ 4,136,630.00	\$ 7,276,920.00	\$ -
Civil	0085	Parcel 312 Storm Sewer Revisions	Realignment of the storm sewer due to ROW negotiations	\$ 112,609.14	\$ 112,609.14	\$ -	\$ -
Civil	0086	Revisions to Embedded Track Restraining Rail Separator Block	Adjustment to spacing and dimension for restraining rail separator blocks.	\$ 19,486.75	\$ 19,486.75	\$ -	\$ -
Civil	0087	106 Material Coordination (DQ-42)	Modification to retaining walls and OCS pole foundations near the Kenilworth channel for Section 106 compliance.	\$ 109,107.23	\$ 109,107.23	\$ -	\$ -
Civil	0088	Felt/ Smetana Collapsed SW Pipe Repair_Phase 2	Repair, cleanup and rehabilitation of area due to failed storm water line.	\$ 50,224.09	\$ 50,224.09	\$ -	\$ -
Civil	0089	North Side of 394 Pier Protection (RFI 319)	Modifies pier protection design to match actual field conditions.	\$ 159,477.35	\$ 159,477.35	\$ -	\$ -
Civil	0090	Temporary Lighting	Temporary Lighting for resident safety	\$ 16,439.70	\$ 16,439.70	\$ -	\$ -
Civil	0091	Anchorage and Proof Load Updates	Change in anchorage depth and rebar type for W.Lake St pier protection and Penn Ave Br.	\$ 8,162.51	\$ 8,162.51	\$ -	\$ -
Civil	0092	Smetana and Felt Road Storm/Sanitary Sewer Revisions	Conflict with existing deep sanitary sewer line and the project's design for a stormwater line. Change is Part 1 and will be paid out on actuals.	\$ 790,292.51	\$ 790,292.51	\$ -	\$ -
Civil	0093	Soil Depressurization System at SouthWest Station	Mitigate the potential for radon gas accumulation within the enclosed waiting area at Southwest Station	\$ 43,688.76	\$ 43,688.76	\$ -	\$ -
Civil	0094	Opus Area Two-Way Traffic	Widens the bypass along Yellow Circle Drive to accommodate two-way traffic, along with a reconfiguration of its intersection with the Bren Road East.	\$ 576,178.86	\$ 576,178.86	\$ -	\$ -
Civil	0095	Kenilworth Additional Geotechnical Monitoring	Additional layout, install, and survey additional ground monitoring points for the Kenilworth press piler operations. (Part 2)	\$ 345,290.34	\$ 345,290.34	\$ -	\$ -
Civil	0096	Minnetonka Storm Sewer Casing	Material change for storm sewer pipe from reinforced concrete pipe to corrugated plastic pipe in a steel casing pipe.	\$ (43,051.07)	\$ (43,051.07)	\$ -	\$ -
Civil	0097	Specification 01 10 00 update for LNTP	LNTP-4 Summary 01 10 00 Specification Change	\$ -	\$ -	\$ -	\$ -
Civil	0098	Opus Stations Sanitary Casing	Added cased crossing for sanitary line.	\$ 37,779.31	\$ 37,779.31	\$ -	\$ -
Civil	0099	Modifications at Shady Oak Road Bridge Pier 23 SOE and Storm Removal	54" storm sewer is in conflict with a pier location at Shady Oak Road Bridge	\$ 321,066.48	\$ 321,066.48	\$ -	\$ -
Civil	0100	Revise Spacing/Orientation of Equipment at Train Stop Delineators	Reconfigure the Door Position Indicators and Train Stop Delineators to modify the height and configuration of between car barriers.	\$ (23,263.83)	\$ (23,263.83)	\$ -	\$ -
Civil	0101	Revised Plans & Specifications for Shady Oak & Blake Rd Stations	Minor modifications to Shady Oak & Blake Rd Stations. (Part 2)	\$ 23,199.72	\$ 23,199.72	\$ -	\$ -
Civil	0102	TH 62 Stage 2 Crossover Survey	Survey data for the TH 62 EB and WB lanes.	\$ 15,981.26	\$ 15,981.26	\$ -	\$ -
Civil	0103	Redstone Parking Adjustments	Signage, striping for on street parking and requirement of multiple fence moves	\$ 23,391.30	\$ 23,391.30	\$ -	\$ -
Civil	0104	Costco pond outlet modifications	Installation of a weir and change the casting type	\$ 15,169.58	\$ 15,169.58	\$ -	\$ -
Civil	0105	Transload Truck Access	Addition of an access road and three grade crossings over freight rail for TC&W transload facility truck access required to support the TCWR transload.	\$ 131,261.04	\$ 131,261.04	\$ -	\$ -
Civil	0106	Cell Tower Oxford Area	Removes the remains of an existing cell tower	\$ 27,035.34	\$ 27,035.34	\$ -	\$ -
Civil	0107	Rebar Field Modifications	Modifies rebar to aerial structure	\$ 8,187.64	\$ 8,187.64	\$ -	\$ -
Civil	0108	Specification 01 10 00 update for LNTP 5	LNTP-5 Summary 01 10 00 Specification Change	\$ -	\$ -	\$ -	\$ -
Civil	0109	Bolt Detail at Embedded Track	Place thread locker material placed on the existing track bolts in embedded track sections.	\$ 3,450.00	\$ 3,450.00	\$ -	\$ -
Civil	0110	Modification of Storm Sewer South of Opus Station, Minnetonka- revisions	Modification of Storm Sewer to avoid affecting parcel 322A	\$ -	\$ -	\$ -	\$ -
Civil	0111	Hopkins Sand Fill of Casings	Fill steel casing annular space with sand at 9 locations in the City of Hopkins. (Part 2)	\$ 47,214.60	\$ 36,085.00	\$ -	\$ 11,129.60
Civil	0112	AnSteel Modifications Due to Additional Handholes - All Stations	Modifications to the Station Steel Canopy for updated VMS.	\$ 266,387.68	\$ 266,387.68	\$ -	\$ -
Civil	0113	Valley View Bridge (27R33) Span 7 Beam 26 Adjustment	Top Flange of Beam conflicts with the North Abutment at Valley View Bridge.	\$ 9,752.66	\$ 9,752.66	\$ -	\$ -
Civil	0114	Additional Fence Gates for Trail Access Easement along Bass Lake Spur	Provide additional access gates at corridor fencing and modifications to seeding.	\$ 45,739.78	\$ 45,739.78	\$ -	\$ -
Civil	0115	Bridge 27W32 (I-494) North and South Abutment Footings Stray Current	Rebar modification for the bridge over I-494.	\$ 64,193.13	\$ 64,193.13	\$ -	\$ -
Civil	0116	Track, Earthwork, Drainage and Utility Work to Facilitate the BNSF Track Shift	Change order work to for the support BNSF track shift in 2020.	\$ -	\$ -	\$ -	\$ -
Civil	0117	R0692 Curb/ Diaphragm/ Keyway	Additional labor, rebar, and formwork that were required for the R0692 Bridge deck curb - per RFI 849. Also included is additional labor and material for the keyway between bridge span construction joints - per METC email 3.18.20. (Part 2)	\$ 2,383.86	\$ -	\$ -	\$ 2,383.86
Civil	0118	Building Demolition Private Utility Removal Costs	Removal of pad mounted transformers.	\$ 46,195.19	\$ 46,195.19	\$ -	\$ -
Civil	0119	Freight Railroad Maintenance Allowance	Change to move allowance values from the Flagger Allowance to the Freight Railroad Maintenance Allowance.	\$ -	\$ -	\$ -	\$ -
Civil	0121	Special Provision S-53 Structural Concrete and SB-13 Mass Concrete Revisions	Specification S-53 updated to remove cast in place retaining wall stem structural concrete mix design and SB-13 updated to include a mass concrete mix design provision for cast in place retaining wall stem concrete.	\$ 264,532.63	\$ 264,532.63	\$ -	\$ -
Civil	0122	Foundation modification for MN&S pier protection	Change modifies the foundation type from driven pipe piles to drilled shafts.	\$ 864,560.68	\$ 864,560.68	\$ -	\$ -
Civil	0123	Southwest Station Lower Level Electrical Conduit Exploration	Temporary routing and support of buried electrical conduit.	\$ 7,965.24	\$ 7,965.24	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0124	27W34 - Rebar Detail Modification	West Abutment rebar detailing modifications for Shady Oak Road Bridge.	\$ 4,243.32	\$ 4,243.32	\$ -	\$ -
Civil	0125	Abandon and Seal Wells	Survey additional abandoned wells to obtain the permits required to seal the wells.	\$ 75,803.25	\$ 75,803.25	\$ -	\$ -
Civil	0126	TH 62 Pavement Removal Section and Crossover Construction	Pavement removal and replacement due to unforeseen concrete below TH 62 pavement.	\$ 272,833.67	\$ 272,833.67	\$ -	\$ -
Civil	0127	27C10 East Abutment SOE Redesign	SOE redesign for additional clearance to centerline of track.	\$ 3,300.00	\$ 3,300.00	\$ -	\$ -
Civil	0128	Dewatering - Felt/Smetana Area	Dewatering for public utility installations, construction of several retaining walls, and construction of the Smetana and Felt road bridges for one and one-half construction seasons. (Part 2)	\$ 638,930.57	\$ 638,930.57	\$ -	\$ -
Civil	0129	27C18 Replacement Bars RFI 0888 & 0881	Modifications to the rebar for the LRT Bridge 27C18. (Part 2)	\$ 4,280.66	\$ 3,915.00	\$ -	\$ 365.66
Civil	0130	RTW-E411 Replacement Bars RFI 926	Revises reinforcement bars for Retaining Wall E411. (Part 2)	\$ 2,735.79	\$ 2,500.00	\$ -	\$ 235.79
Civil	0131	R0690 Rebar Detailing Clarification	Additional rebar for the Louisiana Station Underpass.	\$ 1,136.33	\$ 1,136.33	\$ -	\$ -
Civil	0132	The requirement of a Full Shop Assembly for Bridge 27C16	Required full shop assembly for the Glenwood Avenue LRT Bridge. (Part 2)	\$ 96,027.91	\$ 87,100.00	\$ -	\$ 8,927.91
Civil	0133	RTW W302A Drainage Modifications	Required additional drainage at Retaining Wall W302A. (Part 2)	\$ 5,082.89	\$ 4,492.48	\$ -	\$ 590.41
Civil	0134	POWR354 - Transformer Protection	Design and install SOE to protect the transformer at Residence Inn.	\$ 211,551.81	\$ 211,551.81	\$ -	\$ -
Civil	0135	Parcel 317 Easements	Modifications to the storm sewer design due to final ROW limits.	\$ 4,799.98	\$ 4,799.98	\$ -	\$ -
Civil	0136	Hopkins Landfill Fence and Drainage	Remove and replace existing MPCA fence and existing MPCA drainage protection not shown on plans. (Part 2)	\$ 54,666.53	\$ 45,800.00	\$ -	\$ 8,866.53
Civil	0137	Bridge R0692 Sole Plate Bearing Assembly Clarification	Added missing sole plates to Cedar Lake trail bridge bearing assembly.	\$ 9,360.23	\$ 9,360.23	\$ -	\$ -
Civil	0138	Additional Temporary Lighting at Chowen and Abbott	Additional temporary lighting for lighting removals not shown on plans.	\$ 7,524.15	\$ 7,524.15	\$ -	\$ -
Civil	0139	Parcel 214 - Lincoln Park Truck Turn Around Modifications	Adjustment to the temporary and permanent construction easements at Hopkins Honda.	\$ 28,191.53	\$ 28,191.53	\$ -	\$ -
Civil	0140	Parcel 723 - Revise Curb Remove Line (Curb Stays)	Curb modifications are made to meet ROW agreement.	\$ (5,391.37)	\$ (5,391.37)	\$ -	\$ -
Civil	0141	Unidentified Storm @ RTW-W205	Additional drainage connections based on field conditions of storm line near Blue Stem.	\$ 25,864.80	\$ 25,864.80	\$ -	\$ -
Civil	0142	8th Ave - TE & PE Changes	Adjustment to the temporary and permanent construction easements at Hopkins Honda.	\$ 47,380.00	\$ 47,380.00	\$ -	\$ -
Civil	0143	MnDOT Fiber Optic Communications @ MnDOT Traffic Signals	Remove fiber optic cable connection scope of work from traffic cabinets.	\$ (87,105.00)	\$ (87,105.00)	\$ -	\$ -
Civil	0144	West Lake Street Unforeseen Conditions	Removes unforeseen obstructions encountered under West Lake Street bridge.	\$ 218,521.78	\$ 218,521.78	\$ -	\$ -
Civil	0145	Remove Specification 31 09 01 OMF SITE GEOTECHNICAL INSTRUMENTATION	Remove geotechnical monitoring requirements at future rail support facility site.	\$ (266,976.11)	\$ (266,976.11)	\$ -	\$ -
Civil	0146	SouthWest Station: Left Turn Lane for SWT Temporary Bus Shelter	Installation of a left turn lane at Southwest Station and modifications to an existing island on Technology Drive.	\$ 34,668.34	\$ 34,668.34	\$ -	\$ -
Civil	0147	Embed Conduits into Base Pour for both Tunnels	Modified routing of heat trace power for Kenilworth and 62 tunnel locations.	\$ 52,946.69	\$ 52,946.69	\$ -	\$ -
Civil	0148	Prairie Center Drive Bridge (27C06) Pier 15 - Additional Pile	Additional pile required to meet capacity at Prairie Center Drive LRT Bridge due to an unforeseen field condition. (Part 2)	\$ 5,285.17	\$ 4,500.00	\$ -	\$ 785.17
Civil	0149	Adjust Design of BMP 406 and BMP 407	Grading modification to the BMP's.	\$ 19,704.03	\$ 19,704.03	\$ -	\$ -
Civil	0150	Revisions to North Cedar Lake Trail Detour	North Cedar Lake Trail Detour enhancements for increased pedestrian and cyclist safety.	\$ 63,200.88	\$ 63,200.88	\$ -	\$ -
Civil	0151	Commercial Wage for Southwest Station	Update to MN prevailing wage rate. (Part 2)	\$ 801.67	\$ 635.00	\$ -	\$ 166.67
Civil	0152	Golden Triangle Station - Large Sweep Elbows, Handhole Drainage, GRS Lightweight Concrete Encasement	Replaces underground junction boxes with large sweep elbows and handhole drainage.	\$ 139,571.65	\$ 139,571.65	\$ -	\$ -
Civil	0153	Add Blockouts to Glenwood West Bridge 27C16	Blockouts to the abutment at Glenwood for conduit pathway.	\$ 1,439.10	\$ 1,439.10	\$ -	\$ -
Civil	0154	Discovered concrete encasement on 24" DIP	Existing watermain is encased in concrete. Removes a portion of concrete and adjusts new watermain design.	\$ 69,410.29	\$ 69,410.29	\$ -	\$ -
Civil	0155	Redesign for RTW-E235	Change of the type of retaining wall for location.	\$ 227,128.63	\$ 227,128.63	\$ -	\$ -
Civil	0156	Reinforced Soil Slope Limits updates (RFI-1025)	Revised grading of the Reinforced Soil Slope due to unforeseen conditions.	\$ 10,755.48	\$ 10,755.48	\$ -	\$ -
Civil	0157	5th Ave sidewalk (Hopkins)	Sidewalk adjustments due to modification of a manhole, drainage pipe and update to BMP 405.	\$ 58,320.25	\$ 58,320.25	\$ -	\$ -
Civil	0158	SWS PnR Building Fire Service	Added thrust block at Southwest Station for the building fire service. Change also includes minor changes to building water service. Change is Part 1 and will be paid out on actuals.	\$ 2,300.00	\$ 2,300.00	\$ -	\$ -
Civil	0159	Wooddale drainage modifications	Minor storm sewer adjustments to coordinate with recent City work at Wooddale.	\$ -	\$ -	\$ -	\$ -
Civil	0160	Power 317 Distribution Slab	Added a distribution slab over the top of an existing ductbank.	\$ 88,626.16	\$ 88,626.16	\$ -	\$ -
Civil	0161	Plugged 6" Watermain Shut Off	Unanticipated work for dewatering, cutting & capping needed for watermain shut off.	\$ 2,226.84	\$ 2,226.84	\$ -	\$ -
Civil	0162	Revise Chain Link Fence to Wood Fence	Revised chain link fence to wood privacy to minimize Right-of-Way impacts	\$ 19,402.11	\$ 19,402.11	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0164	6323-ST Rim Adjustment	Elevation change to drainage plans	\$ 3,149.15	\$ 3,149.15	\$ -	\$ -
Civil	0165	27W34 Expansion Joint	Additional expansion joint material	\$ 13,621.02	\$ 13,621.02	\$ -	\$ -
Civil	0166	Fence modification for grading work	Place and remove temporary fence for work performed for BNFS alignment shift	\$ 85,550.16	\$ 85,550.16	\$ -	\$ -
Civil	0168	Beltline Bridge (R0692) Pier Foundation Grading	Revised grading around bridge piers to account for existing conditions.	\$ 28,792.76	\$ 28,792.76	\$ -	\$ -
Civil	0169	Freight ditch modified grading for clarification	Minor adjustments to freight ditch elevation near Burnham Road.	\$ 1,764.45	\$ 1,764.45	\$ -	\$ -
Civil	0170	Temporary freight track new alignment at Blake	Added scope for freight phase near Blake road intersection.	\$ 142,301.86	\$ 142,301.86	\$ -	\$ -
Civil	0171	Beltline Backage Rd Adjustments.	Minor modifications to roadway, drainage, erosion control, signage, and electrical plans required at the Beltline Park-and-Ride. (Part 2)	\$ 34,955.68	\$ 34,955.68	\$ -	\$ -
Civil	0172	Changes to W. 21st Street Storm Sewer for TCWR Outage (FO-49)	Storm sewer realignment and add access road for work during Labor Day freight rail outage. Change is Part 1 and will be paid out on actuals.	\$ 98,500.00	\$ 98,500.00	\$ -	\$ -
Civil	0173	Bren Road East Temp Paving	Added temporary paving to provide temporary traffic control measures in coordination with city project.	\$ 103,381.27	\$ 103,381.27	\$ -	\$ -
Civil	0174	Subcut and replace up to 12" at W. Lake Street and W. 21st Street	Over excavation and replacement of fill under freight tracks.	\$ 35,000.90	\$ 35,000.90	\$ -	\$ -
Civil	0175	5th Avenue (Hopkins) Median Modification	Temporary modification of median for semi trucks access.	\$ 24,747.59	\$ 24,747.59	\$ -	\$ -
Civil	0176	Additional handholes at vertical circulation structures	Clarified conduit and handhole design at Bryn Mawr, Bassett Creek and West Lake Street stations. Change is Part 1 and will be paid out on actuals.	\$ 41,700.00	\$ 41,700.00	\$ -	\$ -
Civil	0177	Specification 01 10 00 update for LNTP 6	Update to LNTP cost and durations.	\$ -	\$ -	\$ -	\$ -
Civil	0178	Specification Section 01 10 00, Summary for LNTP #7	Update to LNTP cost and durations.	\$ -	\$ -	\$ -	\$ -
Civil	0179	Specification 01 10 00 Summary for LNTP 8	Update to LNTP durations.	\$ -	\$ -	\$ -	\$ -
Civil	0180	AREMA Hardness Specifications modifications	Update to contract specification to American Railway Engineering and Maintenance of way Association (AREMA).	\$ -	\$ -	\$ -	\$ -
Civil	0181	BNSF Changes - Glenwood East Side (SWLRT-budgeted)	Change is for structures on the east side of the BNSF alignment.	\$ 9,310,000.00	\$ -	\$ 9,310,000.00	\$ -
Civil	0182	Modify Signal Systems for Installation of Gridsmart Cameras in lieu of Pavement Loops (MnDOT-funded)	Elimination of loop detectors and addition of a Gridsmart vehicle detection system per MnDOT request.	\$ 22,554.10	\$ -	\$ 22,554.10	\$ -
Civil	0183	Update to Specification 01 00 00 and Parcel P8005 (FO-52)	Change to require LMJV to vacate Minneapolis city lot for winter 2020.	\$ 15,013.88	\$ 15,013.88	\$ -	\$ -
Civil	0184	Additional junction boxes needed above pier 5 on Beltline bridge	Added junction boxes needed for conduit routing.	\$ 3,167.43	\$ 3,167.43	\$ -	\$ -
Civil	0185	R0696 Drainage System - Additional Cleanouts	Added cleanouts for the Luce Line Trail Bridge	\$ 8,260.00	\$ 8,260.00	\$ -	\$ -
Civil	0188	Ramp Lower Level Storm Drains and MH	Required removal of 3 drain basins and 1 manhole not shown as removals at existing Southwest parking ramp.	\$ 4,602.46	\$ 4,602.46	\$ -	\$ -
Civil	0189	Dean Court and 28th Street Extra Pavement Removal and Replacement	Sanitary sewer installation required removal and replacement of pavement not shown on contract drawings.	\$ 128,131.22	\$ 128,131.22	\$ -	\$ -
Civil	0190	27C11 - Parapet Curb Rebar Detailing Clarification	Additional rebar due to plan detailing clarification.	\$ 1,996.25	\$ 1,996.25	\$ -	\$ -
Civil	0191	Revised Limits of Construction SouthWest Station (SouthWest Transit-funded)	Change to revise limits of construction at SouthWest Station to forgo use of the bus lay-over space and access to and from Highway 212 until substantial completion per agreement between SouthWest Transit and LMJV.	\$ (15,000.00)	\$ -	\$ (15,000.00)	\$ -
Civil	0192	Railroad Flagging Specification Section 01 42 00, Freight Railroad Coordination	Change to freight railroad flagging requirements.	\$ -	\$ -	\$ -	\$ -
Civil	0193	TH 62 EB Right Lane Closure for City West Station Access	Furnish and install maintenance of traffic to accommodate a right lane closure on TH 62 EB	\$ 48,396.69	\$ 48,396.69	\$ -	\$ -
Civil	0194	Flying Cloud Drive MOT and Signal Modifications	Interim maintenance of traffic and signal modifications at Flying Cloud Drive due to direction from MnDOT to evaluate potential Bridge 27762 redecking.	\$ 26,006.92	\$ -	\$ 26,006.92	\$ -
Civil	0195	Removals and Driveway Installation on Eden Road - Cascade property	Removals and grading to place the driveway along Eden Road	\$ 23,480.14	\$ 23,480.14	\$ -	\$ -
Civil	0196	Adjustment of Storm Sewer Run 6260-FES to 6253-OCS, drainage and slope stabilization	Adjustment of the storm sewer run 6260-FEW to 6253-OCS to accommodate existing slope to creek and drainage to Minnehaha Creek. (Part 2)	\$ 45,533.74	\$ 45,533.74	\$ -	\$ -
Civil	0197	Bryn Mawr Bridge Heat Trace HR Conduits	Added conduits and circuits to support the heat trace requirements.	\$ 29,211.40	\$ 29,211.40	\$ -	\$ -
Civil	0198	Lighting pole mounting	Mounting change from wall mounted to ground mounted lighting	\$ 6,102.50	\$ 6,102.50	\$ -	\$ -
Civil	0199	Speaker and Camera Modifications at Station Canopies	Speaker modifications due to conflict with canopy.	\$ 34,392.03	\$ 34,392.03	\$ -	\$ -
Civil	0200	Opus Hill Temporary Water Supply	Additional work to provide sufficient water pressure for temporary water supply to Claremont apartments	\$ 87,094.95	\$ 87,094.95	\$ -	\$ -
Civil	0201	Adjusted Contract for Daily Cover/Direct Cell and Ballast Crushing	Reallocation of direct cell and daily cover soil disposal bid items and a scope change to allow reuse of crushed ballast.	\$ -	\$ -	\$ -	\$ -
Civil	0202	Modifications to grade behind RTW-E108	Modified ditch grading behind wall to match top of retaining wall.	\$ -	\$ -	\$ -	\$ -
Civil	0203	Manifest Train 7/15/2020	Train delay in the Kenilworth corridor.	\$ (15,734.25)	\$ (15,734.25)	\$ -	\$ -
Civil	0204	Manifest Train 7/22/2020	Train delay in the Kenilworth corridor.	\$ (2,331.00)	\$ (2,331.00)	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0205	Build Demolition - Styrofoam Beads	Clean up and dispose of Styrofoam beads found in building walls and adhered to the walls and concrete floors.	\$ 160,000.00	\$ 160,000.00	\$ -	\$ -
Civil	0206	MN&S Temporary Freight Alignment	Temporary track alignment around the MN&S pier protection work.	\$ 128,693.89	\$ 128,693.89	\$ -	\$ -
Civil	0207	TH 62 Rebar Revisions	Modifications to TH 62 rebar due to incorrect bending details in plans.	\$ (2,418.38)	\$ (2,418.38)	\$ -	\$ -
Civil	0208	27J61 - Rebar Detailing Clarifications	Additional rebar due to plan detailing clarification.	\$ 1,169.60	\$ 1,169.60	\$ -	\$ -
Civil	0209	Station Lighting Change	Modifications to the lighting poles at Beltline Avenue Station, Wooddale Avenue Station and Louisiana Avenue Station.	\$ 14,282.28	\$ 14,282.28	\$ -	\$ -
Civil	0210	Fence Removal at SWS Parking Ramp	Removal of existing fencing not shown on removal drawings.	\$ 825.68	\$ 825.68	\$ -	\$ -
Civil	0211	BNSF Changes - Other than Glenwood West and East (SWLRT-budgeted)	Earth and grading work for the BNSF barrier wall	\$ 10,045,134.47	\$ 1,516,250.63	\$ 8,528,883.84	\$ -
Civil	0212	Updates to Document 0485 DBE Subcontracting Policy	Provides clarifications to DBE participation	\$ -	\$ -	\$ -	\$ -
Civil	0213	Southwest Station Plumbing Connection Area E	Additional hardware connection to existing drainage system	\$ 3,810.12	\$ 3,810.12	\$ -	\$ -
Civil	0215	Change to Specification 01 10 00 Summary for Final NTP	Update to contract documents for the NTP.	\$ -	\$ -	\$ -	\$ -
Civil	0216	Traffic Signal System "H" - CSAH 61 (Flying Cloud Dr) at Viking Dr intersection signal phasing modifications	Update signal timing at Viking Dr Intersection	\$ -	\$ -	\$ -	\$ -
Civil	0217	Update sheet for new MnDOT color based for 494 bridge	Update paint color at 494 Bridge.	\$ -	\$ -	\$ -	\$ -
Civil	0218	SB-18 Paint Revision	Change clarifies the finish requirements for bridge ornamental fencing.	\$ -	\$ -	\$ -	\$ -
Civil	0219	Intrusion detection anchor bolt clarification	Drawing clarification for mounting intrusion detection equipment.	\$ -	\$ -	\$ -	\$ -
Civil	0220	Revise Volume 8B Sheet 290	Drawing clarifications on drainage drawings.	\$ -	\$ -	\$ -	\$ -
Civil	0221	Handrail Grounding Detail	Enlarged base plate at handrail grounded locations	\$ 8,448.81	\$ 8,448.81	\$ -	\$ -
Civil	0222	Additional Materials & labor required for the SW Park & Ride Com cabinet piping and mounting issues.	Added mounting pad and additional communication conduit	\$ 8,632.33	\$ 8,632.33	\$ -	\$ -
Civil	0223	SouthWest Station: Structural Steel Canopy Modifications Field Order 6	Clarification on structural details	\$ 1,012.78	\$ 1,012.78	\$ -	\$ -
Civil	0224	R0715 East Wingwall Reinforcement	Added clarification to specifications.	\$ 1,033.58	\$ 1,033.58	\$ -	\$ -
Civil	0225	11011 Smetana Road Removals - Block Walls and Hardscapes	Additional removals required.	\$ 17,800.49	\$ 17,800.49	\$ -	\$ -
Civil	0226	Modification to General Conditional and Supplementary Conditions	Adjusts the quantity of reinforcement for the pedestrian underpass near Boston Scientific.	\$ -	\$ -	\$ -	\$ -
Civil	0227	R0692 Drainage System - Additional Cleanouts	Additional drain clean out for the Cedar Lake Trail bridge.	\$ 2,402.93	\$ 2,402.93	\$ -	\$ -
Civil	0228	Parcel 424 - Tank and Vault Removal	Remove and dispose of a 40 gallon tank and buried concrete vault.	\$ 3,301.68	\$ 3,301.68	\$ -	\$ -
Civil	0229	Bryn Mawr Cabinet SEC-002 (RFI-0951)	Clarification of electrical cabinet size at Bryn Mawr station.	\$ 2,119.08	\$ 2,119.08	\$ -	\$ -
Civil	0230	VMS's conduit size reductions within station canopies	Change conduit from pull box to VMS from 1" to 3/4"	\$ (3,063.04)	\$ (3,063.04)	\$ -	\$ -
Civil	0231	Clearing and Grubbing Plan Quantity Adjustment	Additional acreage cleared and trees removed.	\$ 498,556.28	\$ 498,556.28	\$ -	\$ -
Civil	0232	3" Conduit Bore- Valley View/TH212	Install 3" conduit for lighting at Valley View bridge.	\$ 2,765.76	\$ 2,765.76	\$ -	\$ -
Civil	0233	Louisiana Cellular Concrete Select Granular Fill	Place granular material as directed by geotechnical engineer.	\$ 132,916.62	\$ 132,916.62	\$ -	\$ -
Civil	0234	Bridge 27C06 - Epoxy Rebar Adjustments	Bill of reinforcement corrections for Bridge 27C06 at Prairie Center Drive.	\$ 56,431.15	\$ 56,431.15	\$ -	\$ -
Civil	0235	Minneapolis - Concrete Encasement on Vertical Watermain Offsets (RFI- 1295)	Provide concrete encasement for watermain that runs under power and gas lines	\$ 21,768.22	\$ 21,768.22	\$ -	\$ -
Civil	0236	RTW-E202 Wall Structure and Grading Modifications due to City of SLP Forced Main Field Location	Retaining Wall to be shorted in length by one panel	\$ (8,650.37)	\$ (8,650.37)	\$ -	\$ -
Civil	0237	At-Grade Stations: Orientation of Window Framing Unit	Modify window framing unit to provide more clearance for VMS mounting.	\$ 12,319.09	\$ 12,319.09	\$ -	\$ -
Civil	0238	Grading Revisions at Wooddale Ave	Grading revisions between retaining wall and adjacent trail.	\$ 17,357.14	\$ 17,357.14	\$ -	\$ -
Civil	0239	System rail interface panel in signal cabinets	Additional information added to the signal system.	\$ 1,401.21	\$ 1,401.21	\$ -	\$ -
Civil	0240	RTW-E412 Additional Reinforcement Bars	Modification to reinforcing cage for a bend in the wall.	\$ 2,017.11	\$ 2,017.11	\$ -	\$ -
Civil	0241	Reallocation of Project Piling quantity	Adjusted unit piling bid quantity	\$ -	\$ -	\$ -	\$ -
Civil	0242	Southwest Station dump bar and anchor bolt detail	Clarified dump bar details for snow removal from parking ramp.	\$ 26,372.97	\$ 26,372.97	\$ -	\$ -
Civil	0243	Rebar Modifications at TH 100 Bridge	Additional rebar due to existing rebar bar condition at TH 100 LRT Bridge.	\$ 12,500.00	\$ 12,500.00	\$ -	\$ -
Civil	0244	Alleviate Tree/Camera Conflicts and Adjust Camera Locations at LRT Stations	Relocate cameras to provide adequate coverage and resolve tree conflicts.	\$ 77,583.50	\$ 77,583.50	\$ -	\$ -
Civil	0245	Additional communication cable for video detection	Added wiring for video detection cameras.	\$ 2,494.04	\$ 2,494.04	\$ -	\$ -
Civil	0246	Unforeseen conditions with water main work	Modifications to water main work to avoid business impact.	\$ 12,628.18	\$ 12,628.18	\$ -	\$ -
Civil	0247	Add Two Corrosion Test Stations	Added corrosion protection test station.	\$ 2,539.01	\$ 2,539.01	\$ -	\$ -
Civil	0248	Adjustments to Allowance Specification 01 21 00	Reallocation of the allowance amounts.	\$ -	\$ -	\$ -	\$ -
Civil	0249	TH 100 DMP and GMP Monitoring	Additional Deformation Monitoring Points (DMP's) and Ground Monitoring Points (GMP's) required at TH 100.	\$ 34,098.22	\$ 34,098.22	\$ -	\$ -
Civil	0250	Median Adjustments at 8th Ave	Adjustments to two concrete medians, yellow striping and traffic signpost on 8th Avenue.	\$ (1,512.47)	\$ (1,512.47)	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0251	Unforeseen Affected Businesses Involved in Water Shutdown	Modifications heat trace in the floor drains.	\$ 26,331.49	\$ 26,331.49	\$ -	\$ -
Civil	0252	SWS Cabinet Changes	Modification to cabinet location and size	\$ 20,648.93	\$ 20,648.93	\$ -	\$ -
Civil	0253	Sanitary Manholes Near Southwest Station	Modification of two manholes to reduce impact to roadway operations.	\$ 3,235.09	\$ 3,235.09	\$ -	\$ -
Civil	0254	Added insulated joints at Hopkins Depot	Two additional rail insulated joints required to meet requirements.	\$ 22,947.87	\$ 22,947.87	\$ -	\$ -
Civil	0255	Fire Suppression Standpipes	Additional standpipe to the fire suppression to meet City requirements.	\$ 36,400.40	\$ 36,400.40	\$ -	\$ -
Civil	0256	Modification to Southwest Mechanical Room	Adjustment to the condensing unit location.	\$ 5,112.28	\$ 5,112.28	\$ -	\$ -
Civil	0257	27W32 Drainage Change	Modification to drainage for the Bridge Over I-494.	\$ 853.88	\$ 853.88	\$ -	\$ -
Civil	0258	RTW-E418 Panel 8&9 Rebar	Rebar modifications for retaining wall.	\$ 6,306.12	\$ 6,306.12	\$ -	\$ -
Civil	0259	10" half round deck drain R0688 & 27C12	Modification to the size of deck drain for Minnehaha Creek Freight bridge and the Louisiana Avenue Freight bridge.	\$ 60,000.00	\$ 60,000.00	\$ -	\$ -
Civil	0260	BMP 506 Soil Correction	Grading modifications due to unforeseen soil conditions.	\$ 1,408.21	\$ 1,408.21	\$ -	\$ -
Civil	0261	Proposed curb & parking lot restoration Parcel 420	Additional seeding and grading due to ROW negotiations.	\$ 7,268.21	\$ 7,268.21	\$ -	\$ -
Civil	0262	Modification of E316	Raises the retaining wall footing elevation	\$ (62,253.73)	\$ (62,253.73)	\$ -	\$ -
Civil	0263	Golden Triangle Station Hydrant Adjustment	Adjustment to station hydrant location.	\$ 9,138.75	\$ 9,138.75	\$ -	\$ -
Civil	0264	Bridge 27303 Backwall Extension Tie-in	Rebar detail clarification at TH 100 LRT Bridge.	\$ 1,486.55	\$ 1,486.55	\$ -	\$ -
Civil	0265	Soldier Pile Wall Drainage Modifications	Modifications to retaining wall drainage.	\$ 14,218.27	\$ 14,218.27	\$ -	\$ -
Civil	0266	Stray current test station locations at stations	Adjustment to test station locations.	\$ 61,136.07	\$ 61,136.07	\$ -	\$ -
Civil	0267	Additional Pushbutton Adaptors & Spacers Needed	Modifications to traffic signal push button.	\$ 25,417.00	\$ 25,417.00	\$ -	\$ -
Civil	0268	SWS VMS Communications Conduit	Additional conduit and wiring	\$ 19,119.54	\$ 19,119.54	\$ -	\$ -
Civil	0269	Luminaire Arm Style	Modification to the type of luminaire arm.	\$ 6,127.18	\$ 6,127.18	\$ -	\$ -
Civil	0271	Grounding at R0692 East Abutment	Modification to stray current at Cedar Lake Trail Bridge.	\$ 1,423.70	\$ 1,423.70	\$ -	\$ -
Civil	0272	27J61 Stairs Void Space	Knee wall between footing and stairs to alleviate concrete void.	\$ 4,552.98	\$ 4,552.98	\$ -	\$ -
Civil	0273	Remove junction box at crossing bonding location	Remove junction boxes at three locations	\$ (923.63)	\$ (923.63)	\$ -	\$ -
Civil	0274	Storm sewer adjustments at Technology Drive	Adjustments to avoid existing Xcel Energy's duct bank.	\$ 3,790.07	\$ 3,790.07	\$ -	\$ -
Civil	0275	City West Station - Add Conduit and Handhole for Future City Owned Sign (Eden Prairie-funded)	Installation of conduit and handhole for future city-owned ground-mounted sign at City West station per City of Eden Prairie request.	\$ 9,548.17	\$ -	\$ 9,548.17	\$ -
Civil	0276	Bridge 27R34 (TH 212) Span 19 beam fitment	Modifications to bearing plates at the Shady Oak Bridge.	\$ 1,821.20	\$ 1,821.20	\$ -	\$ -
Civil	0277	SWLRT Project Partnering	Project partnering between the contractor and owner.	\$ 66,000.00	\$ 66,000.00	\$ -	\$ -
Civil	0278	OCS Foundation Types	Change OCS foundation to accommodate increased OCS pole height.	\$ 31,210.33	\$ 31,210.33	\$ -	\$ -
Civil	0279	Royalston Cabinet SEC-101 and SEC-201 (RFI-0952)	Clarification to the Royalston Station electrical cabinet size.	\$ 1,735.83	\$ 1,735.83	\$ -	\$ -
Civil	0280	Sanitary Man Hole's 7041 & 7042	Minor changes to the manholes near Opus Station.	\$ -	\$ -	\$ -	\$ -
Civil	0281	Removing Scope of Signal LRV House Foundation	Remove the LRV signal house foundations from civil contract	\$ (228,900.00)	\$ (228,900.00)	\$ -	\$ -
Civil	0282	Cold Weather Cost - Superstructure 27C06	Protect the superstructure of Bridge 27C06 during construction during the winter.	\$ 286,832.51	\$ 286,832.51	\$ -	\$ -
Civil	0283	BMP-522 Revisions	Modified the storm water collection system to connect to manholes.	\$ 49,844.93	\$ 49,844.93	\$ -	\$ -
Civil	0284	Bridge 27C06 Spans 1-3 Transverse Reinforcement Clearance	Reinforcing changes for Prairie Center Drive bridge.	\$ 2,352.98	\$ 2,352.98	\$ -	\$ -
Civil	0285	Irrigation Blowout at stations (RFI- 1266)	Provides additional detail for winterization of irrigation system at all stations.	\$ 19,551.26	\$ 19,551.26	\$ -	\$ -
Civil	0286	Stray Current Test Box Engraved Labels	Provides test box labels for the stray current test boxes.	\$ 56,207.95	\$ 56,207.95	\$ -	\$ -
Civil	0287	Bridge 27R34 Span 1-6 OCS Foundation	Modifications to four OCS foundations.	\$ 2,151.41	\$ 2,151.41	\$ -	\$ -
Civil	0288	Contaminated Soil Disposal Oxford Area	Change will allow restricted reuse soil disposal at Louisiana.	\$ -	\$ -	\$ -	\$ -
Civil	0289	Adjust storm sewer from structure 5022 to 5023	Change to storm sewer elevation to avoid ductbank.	\$ 2,683.86	\$ 2,683.86	\$ -	\$ -
Civil	0290	TH 62 Light Pole Foundations	Change to light pole foundation type to accommodate salvaged lighting units.	\$ 23,387.07	\$ 23,387.07	\$ -	\$ -
Civil	0291	Furnish & Install Service Cabinet - Type Special (MnDOT-funded)	Change to furnish and install seven pull vaults for service cabinet-type special per MnDOT request.	\$ 9,591.66	\$ -	\$ 9,591.66	\$ -
Civil	0292	Addition of Light Fixtures at Southwest Station Parking Ramp	Addition of eight light fixtures Southwest Station parking ramp.	\$ 36,834.76	\$ 36,834.76	\$ -	\$ -
Civil	0293	Reconfigure Road Sign, Eden Prairie	Modify road sign location and associated audio messaging.	\$ 2,226.81	\$ 2,226.81	\$ -	\$ -
Civil	0294	Extra Irrigation in median @ SW Station	Additional irrigation work due existing private irrigation system.	\$ 6,154.46	\$ 6,154.46	\$ -	\$ -
Civil	0295	Adjustments to watermain at Blake Avenue	Elevation change to water main to go over the pedestrian underpass.	\$ 72,405.61	\$ 72,405.61	\$ -	\$ -
Civil	0296	Southwest Station Conduit & Handhole Locations	Modification to conduit routing at southwest parking ramp	\$ 49,029.45	\$ 49,029.45	\$ -	\$ -
Civil	0297	Elevator Shaft Wall Modifications	Elevator shaft wall change to accommodate the elevator mounting bracket and meet fire rating requirements.	\$ 66,623.94	\$ 66,623.94	\$ -	\$ -
Civil	0298	Wall modification for MN&S pier protection	Adjustments to MN&S pier protection wall panels to accommodate drilled shafts.	\$ 166,143.07	\$ 166,143.07	\$ -	\$ -
Civil	0299	Tie off anchors and roof access	City permit review required addition of tie-off anchors and roof hatches to the roofs of the east and west stair towers at Southwest Station.	\$ 153,196.69	\$ 153,196.69	\$ -	\$ -
Civil	0300	Bryn Mawr Ped Bridge (RFI-917)	Modifies the door pushbutton at the pedestrian bridge.	\$ -	\$ -	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0301	BNSF Barrier Protection Wall	Remaining BNSF scope per agreement	\$ 82,604,905.17	\$ 82,604,905.17	\$ -	\$ -
Civil	0302	Southwest Station APC-1 Panel Dimension Change	Increases the thickness of precast concrete panels from 2" to 3" at Southwest Station	\$ 9,089.58	\$ 9,089.58	\$ -	\$ -
Civil	0303	Adjustments to Allowance 505 Specification 01 21 00	Increase the ALLOWANCE 5: Freight Railroad Maintenance Allowance	\$ 1,119,298.22	\$ 1,119,298.22	\$ -	\$ -
Civil	0304	Area B Beam Reinforcing at Southwest Station	Minor reinforcing steel modification at Southwest station.	\$ 2,162.95	\$ 2,162.95	\$ -	\$ -
Civil	0305	SWS Elevator Cab & Door Heights	Clarification to elevators door opening dimensions	\$ 11,587.75	\$ 11,587.75	\$ -	\$ -
Civil	0306	Modifications to CCTV cameras, switch heater conduit and electrical raceways	Modifications to CCTV, Switch heater conduit and electrical boxes and fittings specifications for stray current and grounding.	\$ 15,503.22	\$ 15,503.22	\$ -	\$ -
Civil	0307	Revised plans & specifications for Golden Triangle, City West & Southwest Stations	Change that modifies contract documentation in response to city comments for three station locations.	\$ 133,827.58	\$ 133,827.58	\$ -	\$ -
Civil	0308	Modification to the elevator cabinet panel & conduits at SWS	Electrical clarification to the conduit and cable schedule for southwest station	\$ 119,505.95	\$ 119,505.95	\$ -	\$ -
Civil	0309	Signal System E mast arm modifications	Mast arm changed from 30-foot to 45-foot	\$ 31,951.24	\$ 31,951.24	\$ -	\$ -
Civil	0310	Bridge 27W33 (TH62 Tunnel) Construction - Stage 2	Concrete pavement removed to establish Stage 2 temporary bypass grades, pavement section, and temporary drainage	\$ 1,126,270.19	\$ 1,126,270.19	\$ -	\$ -
Civil	0311	Blake Rd Construction Coordination, Hopkins	Modifications to plan sets to include updates to the field conditions	\$ 259,886.32	\$ 259,886.32	\$ -	\$ -
Civil	0312	Royalston Station Grounding	Additional grounding for station hand railing.	\$ 13,514.26	\$ 13,514.26	\$ -	\$ -
Civil	0313	Downtown Hopkins Station Trail Area Soil Correction	Additional sub-cut through the area	\$ 15,453.00	\$ 15,453.00	\$ -	\$ -
Civil	0314	RTW-W205 Subcut	Grading modifications due to poor soil conditions.	\$ 2,639.70	\$ 2,639.70	\$ -	\$ -
Civil	0315	Eliminate RTW-E311	Retaining Wall E311 replaces with grading to match new sidewalk	\$ (21,691.97)	\$ (21,691.97)	\$ -	\$ -
Civil	0316	West 70th Street Drainage Modifications	Catch basins added along W 70th	\$ 120,283.61	\$ 120,283.61	\$ -	\$ -
Civil	0317	R0688 Bar Mark S507E Detail Clarification	Modifications to rebar for Minnehaha Creek Freight Bridge Deck	\$ 8,182.23	\$ 8,182.23	\$ -	\$ -
Civil	0318	Drainage modification at RTW-W113	Modifies drainage to avoid retaining wall footing	\$ 24,713.50	\$ 24,713.50	\$ -	\$ -
Civil	0319	94 Pier Protection	Modification to the 94 Pier Protection.	\$ 136,000.00	\$ 136,000.00	\$ -	\$ -
Civil	0320	Southwest Station Revised Post Tensioned Girder (FO 80)	Modifies rebar and formwork post tensioned girder.	\$ 587.87	\$ 587.87	\$ -	\$ -
Civil	0321	Kenilworth Sheeting Inspection	Divers for underwater inspection during excavation.	\$ 343,700.00	\$ 343,700.00	\$ -	\$ -
Civil	0322	RTW-W302A Soil Correction	Subcut modifications due to poor soil conditions	\$ 5,656.49	\$ 5,656.49	\$ -	\$ -
Civil	0323	Bridge 27C06 Span 6 Signal Modifications	Additional reinforcing steel for the bridge signal foundation.	\$ 8,557.26	\$ 8,557.26	\$ -	\$ -
Civil	0324	Bridge 27C06 Span 2A Ornamental Railing Modification	Adjust railing post spacing for curb mounted Intrusion Detection.	\$ 2,665.12	\$ 2,665.12	\$ -	\$ -
Civil	0325	TC&W Cleanout Detail Adjustment	Change to the elevation of the track subdrain clean out	\$ 11,445.09	\$ 11,445.09	\$ -	\$ -
Civil	0326	Extended HPC Epoxy Limits	Change from 2' to 3' for coating at station columns	\$ 11,000.00	\$ 11,000.00	\$ -	\$ -
Civil	0327	R0696 Elastomeric Bearing Pad	Additional Type E1 elastomeric bearing pad assembly	\$ 5,711.85	\$ 5,711.85	\$ -	\$ -
Civil	0328	Drainage Modifications at West Side Soldier Pile Walls	Change clarifies the weep hole locations	\$ (25,295.16)	\$ (25,295.16)	\$ -	\$ -
Civil	0329	Storm Piping Between Southwest Station & Prairie Center Dr Br (27C06)	Revisions piping between Southwest Station and Prairie Center Dr Bridge	\$ 14,712.81	\$ 14,712.81	\$ -	\$ -
Civil	0330	Add Test Station	Added test station to retaining wall.	\$ 6,524.63	\$ 6,524.63	\$ -	\$ -
Civil	0331	West Lake Station B-Line Interface	Change to station increasing the opening in the barrier along the sidewalk	\$ (10,838.45)	\$ (10,838.45)	\$ -	\$ -
Civil	0332	Traffic Signal Preemption Interface	Equipment change to traffic signal cabinets.	\$ 33,748.88	\$ 33,748.88	\$ -	\$ -
Civil	0333	8th Ave Modification	Enlargement of curb radii on 8th Avenue, adjustment of light pole location and added truncated domes at bike path grade crossings.	\$ 15,886.24	\$ 15,886.24	\$ -	\$ -
Civil	0334	TPSS site conduit modifications	Provides updates to conduits into four (4) TPSS location and relocation of two manholes due to conduit conflicts within contract documents. (Part 2)	\$ 23,957.40	\$ 23,957.40	\$ -	\$ -
Civil	0335	Beltline Park and Ride Lot Removal (St. Louis Park-funded)	Removal of Beltline Park-and-Ride allowance.	\$ (2,542,153.61)	\$ (42,153.61)	\$ (2,500,000.00)	\$ -
Civil	0336	Kenilworth Lift Station location	Modification to maintenance pad, tunnel lift station and the control panel location.	\$ 17,779.60	\$ 17,779.60	\$ -	\$ -
Civil	0337	Bryn Mawr Station Area Contaminated Dewatering	Due to unforeseen field conditions. Due to decommissioning, planned discharge to the local sanitary sewer was no longer an option . An approximate 1 mile trenched discharge line was constructed to address contaminated dewatering of the area. (Part 2)	\$ 364,945.76	\$ 327,100.00	\$ -	\$ 37,845.76
Civil	0338	RTW W206D Soldier Pile Wall Adjustments	Redesigning the wall to lower the overall height and adjust the grading	\$ (95,861.90)	\$ (95,861.90)	\$ -	\$ -
Civil	0339	Geoblock Designation	Modifies rigid insulation to Geofoam blocks.	\$ 345,216.25	\$ 345,216.25	\$ -	\$ -
Civil	0340	Unforeseen debris laden soil at W. 70th St.	Encountered large concentrations of buried debris that needed to be removed.	\$ 22,417.61	\$ 22,417.61	\$ -	\$ -
Civil	0341	RTW-E416 Rebar Bend Details	Rebar modifications to retaining wall	\$ -	\$ -	\$ -	\$ -
Civil	0342	Lake Street Pier Protection Lighting	Modifications to conduit and wiring on bridge plans.	\$ 25,958.33	\$ 25,958.33	\$ -	\$ -
Civil	0343	SWS Site and Perimeter Sign Power Additional Circuits	Additional conduit, wire and breakers for connection to lighted signs	\$ 11,470.28	\$ 11,470.28	\$ -	\$ -
Civil	0344	Revised Temporary Trail 4	Temporary pedestrian trail.	\$ 104,461.55	\$ 104,461.55	\$ -	\$ -
Civil	0345	Vertical Circulation Area Platform Grounding Plan Revisions	Added grounding not shown in contract documents.	\$ 519,347.34	\$ 519,347.34	\$ -	\$ -
Civil	0346	Pedestrian Tunnel lighting modifications	Added conduit, wire and handhole for pedestrian tunnel lighting	\$ 43,581.64	\$ 43,581.64	\$ -	\$ -
Civil	0347	Fence Foundation Conflict with RTW 108	Modifications to the gate hardware at the TPSS fence at SouthWest Station.	\$ 11,000.00	\$ 11,000.00	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0348	Southwest Station Lifting Hook Details	Added plan detail for placement of lifting hooks.	\$ 5,806.87	\$ 5,806.87	\$ -	\$ -
Civil	0349	27W34 Backwall Rebar	Modifications to rebar for TH 100 freight bridge.	\$ 1,226.10	\$ 1,226.10	\$ -	\$ -
Civil	0350	Jet Grouting - Kenilworth Tunnel	Grouting to limit the potential for groundwater and soil flow between sheeting joints where separation has occurred.	\$ 4,354,203.30	\$ 4,354,203.30	\$ -	\$ -
Civil	0351	Spec 01 21 00 to 3.02 C ALLOWANCE 3: Unforeseen Conditions Work Allowance	Increase to the ALLOWANCE 3: Unforeseen Conditions Work Allowance	\$ 1,450,000.00	\$ 1,450,000.00	\$ -	\$ -
Civil	0352	Design Refinements Near EPTC	Deletion of retaining walls and pedestrian walkway	\$ (99,228.63)	\$ (99,228.63)	\$ -	\$ -
Civil	0353	Additional Contaminated Soil	Additional contaminated soils disposal quantity.	\$ 21,155,890.00	\$ 21,155,890.00	\$ -	\$ -
Civil	0354	Stations - Detectable Warning Tiles & Door Position Indicators	Change in manufacturer for detectable warning tiles and door position indicators. Change is Part 1 and will be paid out on actuals.	\$ 347,014.00	\$ 347,014.00	\$ -	\$ -
Civil	0355	Spec 01 21 00 to 3.02 F ALLOWANCE 6: Flagger Allowance	Increase to the ALLOWANCE 6: Flagger Allowance.	\$ 47,948.46	\$ 47,948.46	\$ -	\$ -
Civil	0356	Retaining wall W129 removals and restoration	Removals and installation of temporary access for Cascade Apartments	\$ 23,429.84	\$ 23,429.84	\$ -	\$ -
Civil	0357	RTW-E404 wall reinforcement modifications	Reinforcement modifications required.	\$ 19,184.98	\$ 19,184.98	\$ -	\$ -
Civil	0358	Red Yellow Circle Water Service	Discovery of unforeseen water service that needs to be reconnected. Change is Part 1 and will be paid out on actuals.	\$ 4,785.00	\$ 4,785.00	\$ -	\$ -
Civil	0359	Added Conduit and Wire at Bicycle Parking - Hopkins Station	Conduit and wire to provide power to the bike shelter.	\$ 15,265.00	\$ 15,265.00	\$ -	\$ -
Civil	0360	Truck Hauling in West Lake Station Area	Unforeseen debris laden soil required additional hauling of backfill material intended to come from RTW-E403 excavation to the area of West Lake Station. (Part 2)	\$ 153,681.55	\$ 85,000.00	\$ -	\$ 68,681.55
Civil	0361	Underground Power Conflicts and Vibration Issues at Pier 16 of the LRT bridge over Prairie Center Drive	Additional cost due to the utility conflicts and vibration issue	\$ 83,463.93	\$ 83,463.93	\$ -	\$ -
Civil	0362	27C17 Drilled Casing Obstructions	Encountered obstructions while drilling permanent casings for Glenwood East Br	\$ 7,971.59	\$ 7,971.59	\$ -	\$ -
Civil	0363	Surface mounted luminaires and access panels	Change to recessed luminaires and surface mounted access panel	\$ 7,521.46	\$ 7,521.46	\$ -	\$ -
Civil	0364	Over Excavation between Minnehaha and Blake	Additional grade subcut is required due to organic soil materials.	\$ 31,730.25	\$ 31,730.25	\$ -	\$ -
Civil	0365	Town Center Station Subcut	Soil correction at Town Center Station	\$ 67,910.18	\$ 67,910.18	\$ -	\$ -
Civil	0366	RTW-W206A and RTW-W207A Soil Correction	Replace unsuitable soils with engineered fill at retaining walls W206A and W207A.	\$ 67,705.07	\$ 67,705.07	\$ -	\$ -
Civil	0367	Bridge 27C06 OCS Anchor Bolt Length Modifications	Anchor bolt length increased to accommodate OCS pedestal height.	\$ 55,647.54	\$ 55,647.54	\$ -	\$ -
Civil	0368	Specification Section 27 50 00, Closed Circuit Television System: Updated Camera Model	Specification updated to replace obsolete camera.	\$ 22,816.07	\$ 22,816.07	\$ -	\$ -
Civil	0369	Additional details at interface with existing and new structure at Southwest Parking Garage	Clarifications to the connection between the existing and new parking structures to include changes to the brick return, additional stud framing, additional concrete work, and additional electrical demolition and grounding wire installation.	\$ 70,280.00	\$ 70,280.00	\$ -	\$ -
Civil	0370	Relocate LRT grade crossing signal junction boxes	Change to move signal junction boxes at grade crossings to coordinate with Systems contractor track circuit design.	\$ 109,656.43	\$ 109,656.43	\$ -	\$ -
Civil	0371	Relocate pedestrian signal flasher	Pedestrian signal flasher relocation due to poor soils.	\$ 2,535.39	\$ 2,535.39	\$ -	\$ -
Civil	0372	Soil Correction at Hopkins Station Drop-off Area	Drainage modifications between RTW 108 and Prairie Center Drive bridge and ductbank modifications to coordinate OCS foundations and size of the safety walkway.	\$ 17,956.45	\$ 17,956.45	\$ -	\$ -
Civil	0373	R0686 (Minnetonka Hopkins Bridge) pier 25 beam / stem wall	Change the beams to avoid stem wall	\$ -	\$ -	\$ -	\$ -
Civil	0374	Modifications at RTW W108 and Prairie Center Drive Bridge (27C06)	Drainage modifications between RTW 108 and Prairie Center Drive bridge and ductbank modifications to coordinate OCS foundations and size of the safety walkway.	\$ 227,644.42	\$ 227,644.42	\$ -	\$ -
Civil	0375	Southwest Station Door and Overhead Clearance Bar Modifications	Concrete piers for overhead clearance bar at parking garage. Structural steel, foundation and wall detail clarifications for storage door and wall near elevator shaft.	\$ 42,473.52	\$ 42,473.52	\$ -	\$ -
Civil	0376	Bridge 27C06 OCS Location Modifications Span 14-16	Relocate OCS bolts to avoid conflict with bridge girders.	\$ 18,972.19	\$ 18,972.19	\$ -	\$ -
Civil	0377	Kenilworth Tunnel - Secant Wall	Replacing push pile installation with secant wall for section of the Kenilworth Tunnel.	\$ 29,979,444.69	\$ 29,979,444.69	\$ -	\$ -
Civil	0378	Eden Road / Redstone driveway area	Storm sewer drain and sidewalk modifications.	\$ 8,236.23	\$ 8,236.23	\$ -	\$ -
Civil	0379	Station Canopy VMS Flex Conduit Adjustments (FO 93)	Additional conduit connection at Visual Message Signs	\$ 2,476.85	\$ 2,476.85	\$ -	\$ -
Civil	0380	MCES sanitary forcemain grading modifications at shifted air release manhole	Modified grading to cover the air release manhole.	\$ 3,278.83	\$ 3,278.83	\$ -	\$ -
Civil	0381	SW Station Utilities - Unknown Field Conditions	Contractor discovered shredded tire fill was used in areas at SW Station which differed from the contract documents. Tire Derived Aggregate (TDA) was used to address soil corrections to match existing conditions.	\$ 284,378.21	\$ 284,378.21	\$ -	\$ -
Civil	0382	Remove ceramic frit from glass at LRT station platform shelters	Change to remove ceramic frit from glass at LRT station platform shelters; clear glass is to be used instead.	\$ (241,821.12)	\$ (241,821.12)	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0383	Install Track Access Boxes	Change type of track access box for embedded track installation rather than ballasted. Also added conduit to move access boxes to match Systems contractor track circuit design.	\$ 27,936.32	\$ 27,936.32	\$ -	\$ -
Civil	0384	Minnetonka/Hopkins Bridge R0686 South Abutment Load Transfer Platform (LTP)	Load transfer platform for south abutment of Minnetonka/Hopkins Bridge.	\$ 493,138.28	\$ 493,138.28	\$ -	\$ -
Civil	0385	Project Piling Quantity	Increase to bid item for piling	\$ 2,387,985.00	\$ 2,387,985.00	\$ -	\$ -
Civil	0386	Dewatering Work at SouthWest Station	Dewatering necessary to install tire aggregate fill at SW Station required to address unforeseen soil conditions. (Part 2)	\$ 77,055.70	\$ 60,100.00	\$ -	\$ 16,955.70
Civil	0387	TH 62 Storm Pump Hatch Opening Modification	Modifies hatch opening to accommodate pump removal	\$ 20,470.00	\$ 20,470.00	\$ -	\$ -
Civil	0388	SWS camera and lighting modifications	Relocate and change camera type to 360, added lights and armature for lights. Change reduced camera quantities in the systems contract.	\$ 34,946.46	\$ 34,946.46	\$ -	\$ -
Civil	0389	Elevation Change to Sanitary Sewer Line	Elevated the sewer profile closer to proposed grade elevation	\$ (1,125.14)	\$ (1,125.14)	\$ -	\$ -
Civil	0390	Track Upgrades within Work Windows	Contractor to work in windows agreed to by COUNCIL and TCWR.	\$ 57,040.00	\$ 57,040.00	\$ -	\$ -
Civil	0391	Bridge 27C08 (Feltl) modifications to barrier & barrier reinforcement on approach panels	Modifications to reinforcement on approach panels and approach bridge railing	\$ 13,347.60	\$ 13,347.60	\$ -	\$ -
Civil	0392	Bridge 27C09 (Smetana) Modifications to barrier & sidewalk geometry & reinforcement on approach panels	Modifications to reinforcement on approach panels and approach bridge railing	\$ 63,696.59	\$ 63,696.59	\$ -	\$ -
Civil	0393	Tie Replacement for Cedar Lake Spur	Change to amount of existing freight cross ties to be replaced	\$ 235,117.50	\$ 235,117.50	\$ -	\$ -
Civil	0394	MN&S Shaft #5 Conflict with Unknown Utilities	Modification to pier protection to avoid utilities.	\$ 63,399.14	\$ 63,399.14	\$ -	\$ -
Civil	0395	RTW-W211 Unforeseen Obstruction	Additional excavation and SOE modifications for retaining wall W211	\$ 36,024.14	\$ 36,024.14	\$ -	\$ -
Civil	0396	MN&S / CP Turnout Pad	An extension of Retaining Wall E218 and turn out pad was required to accommodate the track switch at the Southerly Connector and MN&S Spur.	\$ 874,845.99	\$ 874,845.99	\$ -	\$ -
Civil	0397	TH 62 Permanent Reconstruction	Completion of Eastbound TH 62 Phase 3A	\$ 2,027,008.31	\$ 2,027,008.31	\$ -	\$ -
Civil	0398	Parcel 322 & 322A modifications to connection at Bren Road East	Modifications to driveway and storm sewer location	\$ (7,896.26)	\$ (7,896.26)	\$ -	\$ -
Civil	0399	Revision to proposed driveway at Valley View & Shady Oak Road	Updated drawings to account for recent city work at this intersection.	\$ (20,872.98)	\$ (20,872.98)	\$ -	\$ -
Civil	0400	SWS Entrance Level Barrier Cable Removal and Grid B Deflection Requirement	Removal of redundant barrier cable and confirmation of barrier cable deflection information.	\$ (4,102.25)	\$ (4,102.25)	\$ -	\$ -
Civil	0401	Selective Drainage Modification to SC Manholes	Replace the drain grate with a drain plug at three SC manhole locations	\$ 3,220.42	\$ 3,220.42	\$ -	\$ -
Civil	0402	Rebar revisions to several bridges	Minor rebar revisions to Valley View road bridge, I494 bridge, Shady Oak bridge, and TH 100 freight bridge.	\$ 5,459.28	\$ 5,459.28	\$ -	\$ -
Civil	0403	27J61 Wooddale Underpass Storm Drain	Storm drainage clarifications	\$ -	\$ -	\$ -	\$ -
Civil	0404	Grading Revision and additional planting to slope near EPTC	Change to steeper slope and plantings to ensure stability	\$ 7,172.96	\$ 7,172.96	\$ -	\$ -
Civil	0405	E203 & E205 Drain tile Modification	Size of drain tile changed to match adjacent bridge abutments.	\$ 3,995.60	\$ 3,995.60	\$ -	\$ -
Civil	0406	Minnehaha Creek Drainage Revision - Added pipe and structure	Added catch basin and pipe needed for storm drain.	\$ 17,732.40	\$ 17,732.40	\$ -	\$ -
Civil	0407	TH 212/Shady Oak Road Bridge (27R34) Pier 17 Pier Cap Modifications	Pier cap modifications due to obstruction encountered during piling operation.	\$ 3,354.92	\$ 3,354.92	\$ -	\$ -
Civil	0408	RTW-E403 & E405 - Drilled Shaft Cross Section	Rebar modifications to the retaining walls E403 & E405	\$ -	\$ -	\$ -	\$ -
Civil	0409	SOE for secant guide wall	Temporary SOE to allow construction of the secant guide wall. (Part 2)	\$ 302,668.47	\$ 302,668.47	\$ -	\$ -
Civil	0410	Freight Crossing Preemption, Island Modifications and Coupler Case Addition	Added conduit, handhole and coupler case for freight crossing preemption.	\$ 172,817.83	\$ 172,817.83	\$ -	\$ -
Civil	0411	Station water services coordination	Updates to water service coordination between seven stations.	\$ 74,037.99	\$ 74,037.99	\$ -	\$ -
Civil	0412	Relieving Angle Anchorage at Southwest Station	Updated drawings for expansion anchors detail.	\$ -	\$ -	\$ -	\$ -
Civil	0413	Unsuitable Soils - LRT Trackbed between Wooddale Ave and TH-100	Remove and replace poor soils discovered at the LRT trackbed.	\$ 6,551.18	\$ 6,551.18	\$ -	\$ -
Civil	0414	Additional Water Main Manholes	Additional manholes required, not shown on plans.	\$ 92,322.20	\$ 92,322.20	\$ -	\$ -
Civil	0415	SWS East Elevator Shaft RB19 Beam Added Reinforcing	Additional reinforcement required.	\$ 2,512.00	\$ 2,512.00	\$ -	\$ -
Civil	0416	Relocation of OCS Foundations	Change to the location of three OCS foundations due to unforeseen subsurface obstructions.	\$ 20,239.88	\$ 20,239.88	\$ -	\$ -
Civil	0417	Steel Price Adjustment Allowance	Added allowance for the steel price adjustment.	\$ 200,000.00	\$ 200,000.00	\$ -	\$ -
Civil	0418	Track Crossing Lighting Modifications at 11th Ave in Hopkins.	Reducing height of two lighting poles to meet clearance requirements to overhead power lines.	\$ 9,140.26	\$ 9,140.26	\$ -	\$ -
Civil	0419	West Lake Street Station Storm Crossing	Change to the installation location of the storm drain at West Lake Street Station required to avoid the storm drain fouling the freight track. (Part 2)	\$ 20,074.65	\$ 17,835.00	\$ -	\$ 2,239.65
Civil	0420	Southwest Station Added Steel Angles	Added additional steel angles to fully detail wall and post tensioned slab connection.	\$ 6,198.56	\$ 6,198.56	\$ -	\$ -
Civil	0421	Unsuitable Soils at LRT Trackbed between 8th Ave and 5th Ave	Removal and replacement of unsuitable soils.	\$ 20,199.34	\$ 20,199.34	\$ -	\$ -
Civil	0422	Bryn Mawr Surcharge Subcut	Additional excavation due to unsuitable soils.	\$ 82,779.67	\$ 82,779.67	\$ -	\$ -
Civil	0423	Southwest Station Added Floor Drain in Mechanical Room 104	Furnish and installation of floor drain	\$ 6,300.39	\$ 6,300.39	\$ -	\$ -
Civil	0424	Grout Solidification at Kenilworth Tunnel Trackside Locations (approx. STA. 2780+50-Closing Pair and approx. STA. 2789+35- Buried Obstruction)	Unforeseen site conditions required soil grout solidification at two locations on the Kenilworth Tunnel permanent wall sheeting.	\$ 132,374.70	\$ 132,374.70	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0425	Cedar Lake Parkway RR Crossing Repairs	Remediation of soil settlement at the freight crossing at Cedar Lake Parkway (Part 1)	\$ 43,093.47	\$ 43,093.47	\$ -	\$ -
Civil	0426	RTW-W329 Obstructions	Underground obstructions at RTW - W329.	\$ 21,139.03	\$ 21,139.03	\$ -	\$ -
Civil	0427	Moving Two Test Stations at Nine Mile Bridge Abutment (27C07)	Relocating test stations for access at grade level	\$ 7,846.94	\$ 7,846.94	\$ -	\$ -
Civil	0428	Wall 409 (related to the BNSF work)	Provides BNSF access via the Cedar Lake Trail required per agreement with BNSF (Part 2).	\$ 2,342,569.94	\$ 881,000.00	\$ -	\$ 1,461,569.94
Civil	0429	Modification to earthwork, drainage, and retaining walls and additional pocket track near K-tel	Modifications related to the elimination of the Operations and Maintenance Facility from the project scope (Part 1).	\$ 1,900,000.00	\$ 1,900,000.00	\$ -	\$ -
Civil	0430	South of 70th Street West Soil Correction	Additional excavation due to unsuitable soils.	\$ 133,056.24	\$ 133,056.24	\$ -	\$ -
Civil	0431	Items Requested and Clarified by SWT for SWS Indoor Waiting Facility	Additional security and communication items required by agreement with Southwest Transit.	\$ 280,678.33	\$ 280,678.33	\$ -	\$ -
Civil	0432	Added embankment to reduce restricted reuse removals at Eden Rd.	Additional earth work including hauling, grading, and compacting. Change will reduce contaminated soils removal.	\$ 34,076.03	\$ 34,076.03	\$ -	\$ -
Civil	0433	Kenilworth Area Drainage Modifications	Extend ditches at two freight cut and throw / tie-in areas (Burnham Bridge and East of Beltline) in the Kenilworth area.	\$ 21,584.45	\$ 21,584.45	\$ -	\$ -
Civil	0434	Trail 6 - Additional Subcut and Soil Correction	Unsuitable soil required an additional subcut and fill along Trail 6 in Segment 7.	\$ 7,443.06	\$ 7,443.06	\$ -	\$ -
Civil	0435	Revised Grading at Hopkins TCWR Depot	Additional drainage and revised grading required at Hopkins TCWR Depot not shown in contract documents.	\$ 52,733.84	\$ 52,733.84	\$ -	\$ -
Civil	0436	Soil Correction - Prairie Center Drive EB	Unsuitable soil required additional geotextile fabric, excavation, and Class V to construct an acceptable road section at Prairie Center Drive.	\$ 14,093.15	\$ 14,093.15	\$ -	\$ -
Civil	0437	Modifications to Shift Roadway Alignment at West Lake Station	Roadway alignment shift near West Lake Street Station.	\$ 124,669.08	\$ 124,669.08	\$ -	\$ -
Civil	0438	Construction Limit and Scope Reduction for Opus Station Park-and-Ride	Reduction of base project scope at the Opus Station Park-and-Ride.	\$ (114,531.01)	\$ (114,531.01)	\$ -	\$ -
Civil	0439	R0691 Southerly Connector over LRT Substructure Concrete Mix Revision (DQ-140)	Bridge R0691 Southerly Connector substructure required a change from a 4000psi concrete mix design to a 5000psi concrete mix design.	\$ 32,978.66	\$ 32,978.66	\$ -	\$ -
Civil	0440	BMP 405 Soil Correction	Unsuitable soil required an additional subcut and replacement with granular material for BMP 405.	\$ 21,731.18	\$ 21,731.18	\$ -	\$ -
Civil	0441	SWS Added Bollards for Fire Riser	An addition of two bollards at SouthWest Station is required to protect the fire riser at the entrance level.	\$ 7,063.75	\$ 7,063.75	\$ -	\$ -
Civil	0442	Added Downspouts for Pier Protection	Provides downspouts details to accommodate the conflict in construction of pier protection at I-394 due to Council's direction in RFI-339.	\$ 42,378.60	\$ -	\$ -	\$ 42,378.60
Civil	0443	Unsuitable Soils - LRT Trackbed between Blake Rd and Minnehaha Creek	Unsuitable soil required an additional subcut in the LRT trackbed between Blake Road and Minnehaha Creek.	\$ 18,813.09	\$ 18,813.09	\$ -	\$ -
Civil	0444	Cold Weather Cost SWT Segment 1	Heating and housing for winter work for critical path activities in Segment 1.	\$ 349,000.00	\$ 349,000.00	\$ -	\$ -
Civil	0445	Unsuitable Soils - Minnehaha Creek to Louisiana Ave	Unsuitable soil required an additional subcut for unsuitable clay soils from Minnehaha Creek to Louisiana Avenue.	\$ 68,334.92	\$ 68,334.92	\$ -	\$ -
Civil	0446	Kenilworth Sheet Pile Installation	Addresses delays to installation due to unforeseen conditions.	\$ 3,671,582.67	\$ 3,671,582.67	\$ -	\$ -
Civil	0447	27W32 (Bridge Over 494) SE Wingwall Footing	Clarification to Bridge 27W32 SE wingwall pile drawings.	\$ 1,623.60	\$ 1,623.60	\$ -	\$ -
Civil	0448	Prairie Center Drive Bridge (27C06) Formliner Adjustments at Piers 11-13	Clarification on the installation of the form liner at Prairie Center Drive Bridge Piers 11 through 13.	\$ 643.69	\$ 643.69	\$ -	\$ -
Civil	0449	Additional Subcut Along RTW-W113	Removal of unsuitable soils and replacement with suitable soils along Retaining Wall W113.	\$ 6,364.75	\$ 6,364.75	\$ -	\$ -
Civil	0450	Conduit and Handhole Updates at the Northstar Tail Track	Conduit and handhole updates along the Northstar Tail Track required per agreement with BNSF. (Part 2)	\$ 349,212.98	\$ 150,000.00	\$ -	\$ 199,212.98
Civil	0451	Shift the existing MCES dual forcemain at 28th St.	Inaccurate as-built information required plan modifications to shift the existing MCES dual forcemain at 28th Street horizontally and adjust the interior air release vault dimensions to provide desired vertical clearances.	\$ 209,185.00	\$ 209,185.00	\$ -	\$ -
Civil	0452	RTW W329 Anchor Capacity & Wall Design Issues	Redesign of the tieback system for Retaining Wall W329 due to right-of-way constraints.	\$ 470,034.69	\$ -	\$ -	\$ 470,034.69
Civil	0453	Handhole transitions for conduits into the Lighting Unit Pole Bases	Project-wide addition of handhole transitions for lighting unit pole bases to accommodate the limited pole inside diameter. (Part 1)	\$ 18,000.00	\$ 18,000.00	\$ -	\$ -
Civil	0454	Spec 01 21 00: Allowance 503 (Unforeseen Conditions) Increase for 2022	Required increase the allowance for unforeseen conditions for 2022.	\$ 1,477,000.00	\$ 1,477,000.00	\$ -	\$ -
Civil	0455	Spec 01 21 00: Allowance 505 (Freight Railroad Maintenance) Increase for 2022	Required increase to the allowance for freight railroad maintenance for 2022.	\$ 855,000.00	\$ 855,000.00	\$ -	\$ -
Civil	0456	Railroad Monitoring	Additional track monitoring equipment and services required due to line of sight and environmental weather-dependent challenges preventing consistently reliable data readings. (Part 1 - Revised)	\$ 324,000.00	\$ 324,000.00	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0457	Permeation Grouting (Soil Stabilization) at Currie Building	Installation of permeation grouting at the Currie Building for subsurface soil remediation. (Part 1)	\$ 304,500.00	\$ 304,500.00	\$ -	\$ -
Civil	0458	27C17 (Glenwood East) Abutment Drilled Shafts reinforcement	Change for material procurement only for Bridge 27C17 reinforcement. (Part 1)	\$ 238,000.00	\$ 238,000.00	\$ -	\$ -
Civil	0459	RTW-E408 Drilled Shafts Reinforcement	Change for material procurement only for Retaining Wall E408 reinforcement. (Part 1)	\$ 246,000.00	\$ 246,000.00	\$ -	\$ -
Civil	0460	Flying Cloud Drive/Valley View Road Street Signing Revision on Mast Arm	Change to revise street signing at the Flying Cloud Drive/Valley View Road intersection to allow room for a Flying Cloud Drive sign panel on the arm.	\$ 5,910.40	\$ 5,910.40	\$ -	\$ -
Civil	0461	Manual Monitoring of Ground Movement Adjacent to Active "Level 3" Excavation at the Kenilworth Tunnel	Manual monitoring of ground movement adjacent to excavation at the Kenilworth Tunnel. (Part 1)	\$ 71,600.00	\$ 71,600.00	\$ -	\$ -
Civil	0462	Modifications to Conduit Locations and Hand Holes/Openings within Structural Steel at Bryn Mawr Vertical Circulation Structure	Change to relocate conduits, hand holes, and openings at Bryn Mawr Vertical Circulation Structure. (Part 1)	\$ 34,000.00	\$ 34,000.00	\$ -	\$ -
Civil	0463	DMPs on the CP over Cambridge Bridge	Change for to add Deformation Monitoring Points (DMP), vibration monitoring, and preconstruction survey, on the Canadian Pacific Bridge over Cambridge, as well as, DMP and noise and vibration monitoring of the townhomes adjacent to construction. (Part 1)	\$ 75,000.00	\$ 75,000.00	\$ -	\$ -
Civil	0464	Remove and Reinstall Crossing Pedestal and Bearing Curbs at SWS Pedestrian Crossing	Change to remove and replace the center pedestal and edge curbs at the pedestrian crossing at the east end of SouthWest Station due to an interface issue between the bridge and station top of rail elevations. (Part 1)	\$ 40,000.00	\$ 40,000.00	\$ -	\$ -
Civil	0465	Modification of "0" Plates and Plinths at Southwest Interlocking	Change to move 8 direct fixation plates and modify eight 8 plinths at the Southwest Interlocking due to interface issue between switch machine clearance and direct fixation plinths. (Part 1)	\$ 25,000.00	\$ 25,000.00	\$ -	\$ -
Civil	0466	Modified Grading around MN&S Pier Protection Barrier	Change to raise the finish grade and remove a ditch at the Canadian Pacific MN&S overpass bridge pier protection. (Part 1)	\$ 16,400.00	\$ 16,400.00	\$ -	\$ -
Civil	0467	Bridge 27C17 (Glenwood Avenue East) Abutment Foundation Modifications	Modification to Glenwood Avenue East Bridge abutment foundation from driven H-piles to drilled shafts to mitigate potential vibration impacts to the adjacent building. (Part 1)	\$ 325,000.00	\$ 325,000.00	\$ -	\$ -
Civil	0468	Retaining Wall E408 Foundation Modifications	Foundation modification from driven H-piles to drilled shafts at Retaining Wall E408 to mitigate potential vibration concerns with the adjacent building. (Part 1)	\$ 325,000.00	\$ 325,000.00	\$ -	\$ -
Civil	0470	Settlement Agreement Schedule Milestones Updates to Civil Contract	Zero cost change that updates documents within the Civil Contract based on language included within the SWLRT Civil Construction Settlement, Met Council Contract #22M013 (Settlement Agreement).	\$ -	\$ -	\$ -	\$ -
Civil	0471	Holden St. & Border Ave RTW, Sidewalk, and Removal Conditions	Multiple modifications at Holden Street and Border Avenue in Minneapolis, including additional removals of pavement, concrete bollard removal, removal of sidewalk and bituminous trail, and removal and replacement or modifications of handrails. (Part 2)	\$ 42,978.99	\$ -	\$ -	\$ 42,978.99
Civil	0472	Bridge 27C17 (Glenwood East) Footing Modifications	Revision to Bridge 27C17 abutment footing location and size due to the installed support of excavation and the foundation modification to drilled shafts. (Part 1)	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -
Civil	0473	Bass Lake Spur -Temporary Track Alignment (Phase 9C)	Modification of temporary freight alignment along the Bass Lake Spur necessary to accommodate the modified Freight Rail Phasing Plan. (Part 1)	\$ 200,000.00	\$ 200,000.00	\$ -	\$ -
Civil	0474	Support Pedestals for Hi Rail Access Panels at SouthWest Station	Design change to support pedestals for hi rail access panels at SouthWest Station to accommodate available panels. (Part 1)	\$ 50,000.00	\$ 50,000.00	\$ -	\$ -
Civil	0475	Opus TE Ductbank and Manhole Modifications	Relocating the TE manhole and associated TE ductbank near TPSS SW307 from between the tracks to outside of the track crossovers to mitigate a conflict with the track crossover special trackwork. (Part 1)	\$ 75,000.00	\$ 75,000.00	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0476	Modifications at BMP-407	Modifications at BMP-407 to allow safer transloading traffic. (Part 1)	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -
Civil	0477	Geotechnical Monitoring at the CICA Building	Required geotechnical, noise, and vibration monitoring at the CICA building. (Part 1)	\$ 234,600.00	\$ 234,600.00	\$ -	\$ -
Civil	0478	RTW-E425 Soil Correction	Remove unsuitable soils encountered behind Retaining Wall E425. (Part 1)	\$ 9,500.00	\$ 9,500.00	\$ -	\$ -
Civil	0479	Eliminate Scope of Retaining Wall E106	Change to eliminate Retaining Wall E106 from project scope.	\$ (43,708.38)	\$ -	\$ -	\$ (43,708.38)
Civil	0480	Downtown Hopkins Bike Shelter Rainwater Leaders & Tabs	Design conflict between the architectural and plumbing plans required the addition of rainwater tabs to the bike shelter at Downtown Hopkins Station per RFI-1788.	\$ 626.72	\$ -	\$ -	\$ 626.72
Civil	0481	Retaining Wall at Blake Signal Bungalow and Crossing House	Addition of a retaining wall at the Blake Signal Bungalow and Crossing House required due to the bungalows shifting closer to Blake Road.	\$ 152,735.99	\$ -	\$ -	\$ 152,735.99
Civil	0482	Louisiana Avenue Median - Add Concrete Pavement	Change for landscaping and concrete median around the Louisiana Avenue bridges required due to details missing from contract documents.	\$ 11,577.92	\$ -	\$ -	\$ 11,577.92
Civil	0483	Storm Pipe Elevation Change at Bassett Creek Platform & VC	Modifications to storm pipe at Bassett Creek Valley Station platform due to conflict with grade beam structure.	\$ -	\$ -	\$ -	\$ -
Civil	0484	Cathodic protection to steel storm drainage pipes at West Lake Street and at Bryn Mawr Station	Addition of cathodic protection to steel storm drainage pipes at West Lake Street and at Bryn Mawr Station to account for BNSF utility accommodation policy and minimum clearances.	\$ 37,196.18	\$ -	\$ -	\$ 37,196.18
Civil	0485	Bentonite Lined Ditches	Change for the use of PVC liner in lieu of clay liner at five locations due to the details for bentonite-lined ditches not being clear in the contract documents.	\$ 208,332.51	\$ -	\$ -	\$ 208,332.51
Civil	0486	CSAH 25 (HWY 7) modifications at Ottawa and Monterey Avenues	Highway 7 modifications at Ottawa and Monterey Avenues in the City of St. Louis Park required for coordination with City projects.	\$ (480.31)	\$ -	\$ -	\$ (480.31)
Civil	0487	Eden Prairie Parking Lot Drainage at 212	Change to re-route the outlet for the existing storm sewer at an Eden Prairie parking lot to avoid parking lot flooding.	\$ 112,899.23	\$ -	\$ -	\$ 112,899.23
Civil	0488	Noise Mitigation Golden Triangle as Directed by the COUNCIL	Additional noise mitigation at Golden Triangle Station.	\$ 49,563.33	\$ -	\$ -	\$ 49,563.33
Civil	0489	Soil Correction - OPUS Station Area	Mitigation of higher water table than shown in the reference documents in the Opus Station area.	\$ 166,744.75	\$ -	\$ -	\$ 166,744.75
Civil	0490	CICA North Instrumentation	Change to replace GMP damaged as a result of Xcel Energy excavation for utility relocation.	\$ 2,303.22	\$ -	\$ -	\$ 2,303.22
Civil	0491	R0694 Cedar Lake Channel North Abutment Piling Conflicts	Change addresses the stop work order at R0694 north abutment due to piling operations being in conflict with pier 4 piling.	\$ -	\$ -	\$ -	\$ -
Civil	0492	27C07 Pier 8 & 9 Revisions	Pier modifications for Nine Mile Creek LRT Bridge.	\$ 37,041.27	\$ -	\$ -	\$ 37,041.27
Civil	0493	Sidewalk Reinforcing at SWS	Added support for a section of sidewalk at SouthWest Station not supported by piles. (Part 1)	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -
Civil	0494	Nine Mile Creek Bridge (27C07) Pier 7	Four piles added at Nine Mile Creek LRT Bridge to compensate for piles that were driven out of alignment due to an underground obstruction.	\$ 14,969.75	\$ -	\$ -	\$ 14,969.75
Civil	0495	Lightweight Aggregate Backfill Whiteboard Sanitary	Replacement of unsuitable soils with lightweight aggregate backfill in the sanitary run range between SAN7017 and SAN7019.	\$ 149,901.50	\$ -	\$ -	\$ 149,901.50
Civil	0496	Cellular Concrete at RTW - E202	Addition of cellular concrete at Retaining Wall E202 due to design plan omission.	\$ 97,235.33	\$ -	\$ -	\$ 97,235.33
Civil	0497	RTW E215 Lap Splice	Additional rebar required at Retaining Wall E215 due to error in Bill of Reinforcement.	\$ 4,894.91	\$ -	\$ -	\$ 4,894.91
Civil	0498	Additional curb at west approach slab & stairway 27J60 (Blake Underpass) RFI-1059	Additional curb at the slab and stairway and modified top of slab elevations at the west approach of Blake Road Pedestrian Underpass to ensure positive drainage.	\$ 32,441.98	\$ -	\$ -	\$ 32,441.98
Civil	0499	Wooddale storm sewer/ Xcel power conflict	Mitigation of conflict between Wooddale Avenue Station storm sewer and a buried Xcel power line.	\$ 2,022.14	\$ -	\$ -	\$ 2,022.14
Civil	0500	Special SOE at Whiteboard	Additional shoring to protect the new sewer main while removing the existing sewer near Whiteboard.	\$ 86,568.12	\$ -	\$ -	\$ 86,568.12
Civil	0501	27C18 Pier 3 Watermain Conflict	Cutting and capping of the existing watermain and sheet piling at the 5th Avenue / 7th Street LRT Bridge due to poor soils.	\$ 25,662.69	\$ -	\$ -	\$ 25,662.69
Civil	0502	RTW E411 Piling Conflict Panel 7	Mitigation of a piling conflict at Retaining Wall E411.	\$ 1,521.80	\$ -	\$ -	\$ 1,521.80
Civil	0503	Royalston Ave Additional Removals	Removal of pavement and a block wall not indicated on plans at Royalston Avenue in order to construct Retaining Walls E416 and E428.	\$ 46,358.19	\$ -	\$ -	\$ 46,358.19
Civil	0504	RIM Elevation Change for Drainage Structure 6007-OCS	RIM elevation change at Drainage Structure 6007-OCS and revised pipe alignment required to provide adequate pipe cover.	\$ 9,413.64	\$ -	\$ -	\$ 9,413.64

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0505	Kenilworth Tunnel Bottom Slab Modification (RFI-879)	Elimination of the 3-inch protection slab for the Kenilworth LRT Tunnel due to incompatibility with the manufacturer's (Sika's) membrane system.	\$ (81,794.46)	\$ -	\$ -	\$ (81,794.46)
Civil	0506	27J60 - Stairwall Rebar Detailing Clarifications	Additional rebar at Blake Road Pedestrian Underpass due to error in Bill of Reinforcement.	\$ 9,494.36	\$ -	\$ -	\$ 9,494.36
Civil	0507	Bridge 27R33 Additional Haunch Reinforcement	Responses to various RFIs provided reinforcement details and haunch layout requiring additional haunch reinforcement at Valley View Road Bridge.	\$ 95,897.94	\$ -	\$ -	\$ 95,897.94
Civil	0508	Watermain casing under I-494 (Flying Cloud Drive)	Televising the existing water main from the north side of I-494 to the first pipe bend south of I-494 due to the existing watermain casing not being in the location identified in the as-built plans.	\$ 96,795.99	\$ -	\$ -	\$ 96,795.99
Civil	0509	Technology Dr. Storm sewer/ power conflict	Mitigation of conflict between Xcel power cable and the Technology Drive storm sewer (5668A-CB).	\$ (404.63)	\$ -	\$ -	\$ (404.63)
Civil	0510	Buried Road Slab in Infiltration Basin 106	Mitigation of buried road slab conflicting with the infiltration zone for Pond 106.	\$ 55,700.60	\$ -	\$ -	\$ 55,700.60
Civil	0511	5th Ave Storm Sewer	Additional manhole and piping to connect the 5th Avenue storm sewer to the existing catch basin.	\$ 15,425.16	\$ -	\$ -	\$ 15,425.16
Civil	0512	27W33 Plan Revisions (Reinforcement & Hand holes)	Handhole modifications at the Highway 62 Tunnel to accommodate network switch cabinets as well as required rebar modifications.	\$ 9,614.50	\$ -	\$ -	\$ 9,614.50
Civil	0513	Smetana Bridge (27C09) East Abutment Additional PDA Testing	Additional PDA testing at Smetana Road Bridge to verify nominal piling resistance.	\$ 1,992.81	\$ -	\$ -	\$ 1,992.81
Civil	0514	27C09 EA E.4 Piling Obstruction	Removal of unforeseen obstructions during piling at Smetana Road Bridge.	\$ 18,957.04	\$ -	\$ -	\$ 18,957.04
Civil	0515	27W33 Plan Clarification - Unit 1 Roof Slab CJ Move	Relocating a construction joint at the Highway 62 Tunnel to avoid having a cantilevered section of roof slab.	\$ 5,312.34	\$ -	\$ -	\$ 5,312.34
Civil	0516	Bridge 27C06 Haunch Reinforcement	Required increase in size and quantity of the haunch reinforcement at Prairie Center Drive LRT Bridge.	\$ 11,301.62	\$ -	\$ -	\$ 11,301.62
Civil	0517	Bridge 27C07 Ballast Keeper Reinforcement and Expansion cover fitment	Procurement, installation, and modification of materials for the end block and ballast keeper at Nine Mile Creek LRT Bridge.	\$ 7,373.33	\$ -	\$ -	\$ 7,373.33
Civil	0518	MH6831-EX-ST size issue	Removal of an existing brick chimney and installation of a new precast manhole at Linden Yard required due to site conditions differing from what was shown in the plans.	\$ 50,048.15	\$ -	\$ -	\$ 50,048.15
Civil	0519	27303/ 27W34 Rebar Couplers	Modification of barmarks at the Highway 100 LRT Bridge in order to shift the existing bridge superstructure to its new location (Highway 100 Bridge Relocation - Freight).	\$ 10,077.67	\$ -	\$ -	\$ 10,077.67
Civil	0520	5th Ave Additional Removals	Extension of the asphalt and concrete median/curb removals on 5th Avenue related to the removal of a storm pipe.	\$ 5,508.20	\$ -	\$ -	\$ 5,508.20
Civil	0521	Bren Rd W Pavement Council Directed Section Change	Pavement section modification at Bren Road West required to meet standards.	\$ 17,844.35	\$ -	\$ -	\$ 17,844.35
Civil	0522	Existing Block Wall near Residence Inn	Removes a portion of an existing block wall near Residence Inn to avoid a conflict with Retaining Wall W113.	\$ 2,296.86	\$ -	\$ -	\$ 2,296.86
Civil	0523	R0692 - Pier 8 Rebar List Clarification	Additional rebar at Cedar Lake Trail Bridge due to error in Bill of Reinforcement.	\$ 2,131.63	\$ -	\$ -	\$ 2,131.63
Civil	0524	SWS Existing Piling	Fill and cap 10 existing piles at SouthWest Station.	\$ 4,105.30	\$ -	\$ -	\$ 4,105.30
Civil	0525	Chowen Sidewalk & Grading Modifications	Grading and sidewalk modifications around Chowen Avenue to avoid impacts to the retaining walls and electrical equipment.	\$ -	\$ -	\$ -	\$ -
Civil	0526	Upsize Drainage Structures	Manhole sizing recommendation per manufacturer for 36" HDPE pipe required upsizing (14) drainage structures from 48" to 60" in order to for the proposed pipe under Glenwood Avenue in Minneapolis.	\$ 62,944.25	\$ -	\$ -	\$ 62,944.25
Civil	0527	Additional junction boxes for signals in tunnel	Four additional conduits and junction boxes in Kenilworth LRT Tunnel to complete infrastructure for signals installation.	\$ 12,419.74	\$ -	\$ -	\$ 12,419.74
Civil	0528	27C09 West Abutment Working Point Lengths	Removing and replacing two bridge seats at Smetana Road Bridge to mitigate conflicting dimensions in design plans.	\$ 25,467.38	\$ -	\$ -	\$ 25,467.38
Civil	0529	Br R0697 Pier 9 Drilled Shafts	Bracing of a drilled shaft casing to prevent it from subsiding and placement of a low-strength concrete plug to prevent further sloughing of material at the bottom of the drilled shaft at the LRT Over BNSF Bridge.	\$ 201,965.57	\$ -	\$ -	\$ 201,965.57
Civil	0530	27C09 East Abutment Reinforcement Missing Lap Splice	Additional labor to tie 25 bars added to lap the Smetana Road Bridge NE wing wall front face rebar with the east abutment front face rebar.	\$ 998.95	\$ -	\$ -	\$ 998.95
Civil	0531	27C09 West Abutment Shear Lug Additional Reinforcement	Additional rebar at Smetana Road Bridge due to design plan omission.	\$ 1,878.56	\$ -	\$ -	\$ 1,878.56
Civil	0532	RTW-W307B - Elevated Water Table Bottom of Footing	Excavation, geo fabric installation, and backfilling at Retaining Wall W307B due to unforeseen elevated water table.	\$ 6,847.91	\$ -	\$ -	\$ 6,847.91
Civil	0533	Bridge 27C06 Segment C Deck Elevations	Lower in-place falsework to match the required elevation at Prairie Center Drive LRT Bridge.	\$ 81,206.37	\$ -	\$ -	\$ 81,206.37
Civil	0534	TSH SW352 site plan modifications	Site revisions at TSH 352, including expansion of fence to enclose expanded site, due to original design not having adequate space in the tunnel house for all equipment.	\$ 1,215.06	\$ -	\$ -	\$ 1,215.06
Civil	0535	Prairie Center Drive Trail Repairs	Required repairs at Prairie Center Drive Trail.	\$ 11,286.22	\$ -	\$ -	\$ 11,286.22

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0536	Storm structure 5417A- EX MH W70th ST	Partial reconstruction of Manhole 5417A- EX in order to match the pavement elevation.	\$ 8,782.71	\$ -	\$ -	\$ 8,782.71
Civil	0537	5th Street LRT At Grade Crossing	Modifies the 5th Street LRT crossing from a "Platform At-Grade Crossing" to a "Panel At-Grade Crossing" for reduced material costs.	\$ 30,971.32	\$ -	\$ -	\$ 30,971.32
Civil	0538	Bus Loop RTW-W106 & 107 Shift for Drop Wall	Adds footing reinforcement and adjusts the location of Retaining Walls W106 and W107 to match the front face of the box culvert and tie into the drop wall.	\$ 693.38	\$ -	\$ -	\$ 693.38
Civil	0539	Tremie Pour Coordination Effort	Additional crew and equipment to reduce the duration of the first tremie pour at cell CW-7 within the Kenilworth LRT Tunnel.	\$ 18,277.23	\$ -	\$ -	\$ 18,277.23
Civil	0540	Parcel 813 ADA Ramp Modifications	Change of pedestrian ramp from a one-way directional ramp to a fan-style ramp at the southeast corner of Glenwood and Fremont to maintain ADA compliance.	\$ 1,695.78	\$ -	\$ -	\$ 1,695.78
Civil	0541	27C17 Abutment SOE	Required redesign/engineering of the support-of-excavation near the Currie Building adjacent to Glenwood Avenue LRT Bridge - East.	\$ 9,547.99	\$ -	\$ -	\$ 9,547.99
Civil	0542	RTW-W328 Modified SOE	Added costs to install a soldier pile support-of-excavation wall and deductive costs to install a sheet pile support-of-excavation wall at Retaining Wall W328 to mitigate vibration constraints at Boston Scientific.	\$ 175,316.69	\$ -	\$ -	\$ 175,316.69
Civil	0543	27C09 West Abutment Shear Lug End Diaphragm Conflict	Modifications to mitigate conflict between the shear lug and end diaphragm at Smetana Road Bridge.	\$ 3,995.80	\$ -	\$ -	\$ 3,995.80
Civil	0544	Added Test Station	Added test station required at Retaining Wall E404.	\$ 3,196.77	\$ -	\$ -	\$ 3,196.77
Civil	0545	RTW-W329 Additional Stray Current Wiring	Modifications to rebar details for Retaining Wall W329 to include stray current wiring.	\$ -	\$ -	\$ -	\$ -
Civil	0546	RTW-W207C Pile Obstruction	Mitigating an underground obstruction encountered while drilling soldier piles for Retaining Wall W207C.	\$ 24,653.54	\$ -	\$ -	\$ 24,653.54
Civil	0547	SWS Structural Steel Connections	Required additional moment connection on the west structural steel canopy at SouthWest Station.	\$ 57,215.81	\$ -	\$ -	\$ 57,215.81
Civil	0548	RTW-E222 Wall Mounted OCS Foundation Bolts Modified to Drilled Shaft Foundations	OCS foundation change at Retaining Wall E222 from wall-mounted anchor bolts to drilled shaft foundations.	\$ 47,317.86	\$ -	\$ -	\$ 47,317.86
Civil	0549	8th Ave - Additional Removals	Three areas of additional removals at the intersection of 8th Avenue and Excelsior Boulevard / Excelsior Boulevard North of Downtown Hopkins Station due to unknown field conditions and plan conflicts.	\$ 3,634.89	\$ -	\$ -	\$ 3,634.89
Civil	0550	Unsuitable Soils - LRT Trackbed between 5th Ave and US-169	Soil correction in the LRT trackbed between 5th Avenue and US-169.	\$ 30,839.05	\$ -	\$ -	\$ 30,839.05
Civil	0551	Br. 27303 Rebar Detail Clarification	Additional reinforcing steel at the Highway 100 LRT Bridge due to plan conflicts.	\$ 1,923.96	\$ -	\$ -	\$ 1,923.96
Civil	0552	Br. 27303 End Diaphragm Rebar Detail	Additional rebar the Highway 100 LRT Bridge required to construct the end diaphragm per plan.	\$ 539.06	\$ -	\$ -	\$ 539.06
Civil	0553	Bridge 27R34 Haunch Reinforcement	Required additional haunch reinforcement in the bridge deck of the Highway 212 / Shady Oak Road LRT Bridge.	\$ 49,600.69	\$ -	\$ -	\$ 49,600.69
Civil	0554	Additional Removals - 8th Ave and Excelsior Blvd Intersection	Extension of bituminous pavement removals and additional concrete placement at the intersection of 8th Avenue and Excelsior Boulevard in order to encompass the pedestrian crosswalk.	\$ 2,471.13	\$ -	\$ -	\$ 2,471.13
Civil	0555	27303 Rebar Detail Error - 2	Additional rebar at the Highway 100 LRT Bridge due to error in plans.	\$ 1,338.23	\$ -	\$ -	\$ 1,338.23
Civil	0556	STA. 2383+50 to 2384+50 Soil Correction	Soil correction at the south abutment of the Minnetonka / Hopkins LRT Bridge between Retaining Walls W309 and W310.	\$ 20,045.90	\$ -	\$ -	\$ 20,045.90
Civil	0557	RTW-W326 Sheeting Delay	Accounts for the cost of stopped work due to the discovery of an abandoned storm pipe during sheeting installation at Retaining Wall W326 as well as costs to cut and cap the discovered structure.	\$ 1,828.20	\$ -	\$ -	\$ 1,828.20
Civil	0558	Steel Erection Bridge 27R34	Accounts for the unanticipated reduction in the roadway closure from seven days in both directions to three days eastbound and four days westbound at the TH 212 / Shady Oak Road Bridge.	\$ 53,002.26	\$ -	\$ -	\$ 53,002.26
Civil	0559	CP (TC&W) Deport storm sewer - extend pipe jacking under freight track	Change to extend pipe jacking under the freight track for the Canadian Pacific (Twin Cities & Western Railroad) Deport storm sewer to avoid having a manhole in the freight zone.	\$ 53,261.22	\$ -	\$ -	\$ 53,261.22
Civil	0560	LRT Over BNSF Bridge (BR 27C18) Signal Foundations	Added signal foundation details at the LRT Over BNSF Bridge required due to discrepancy within contract documents.	\$ 14,015.78	\$ -	\$ -	\$ 14,015.78
Civil	0561	Eden Road RSS Soil Correction	Soil correction at the Eden Road RSS at Flying Cloud Drive.	\$ 12,104.13	\$ -	\$ -	\$ 12,104.13
Civil	0562	MH 2675-1 Conflict with Wall Footing RTW E221	Relocation of Manhole 2675-1 further north in order avoid conflict with Retaining Wall E221 footing.	\$ 24,641.64	\$ -	\$ -	\$ 24,641.64
Civil	0563	27C09 Expansion Joint Modifications	Modification to expansion joint at Smetana Road Bridge in order to fit the skew in the bridge deck.	\$ 3,931.71	\$ -	\$ -	\$ 3,931.71
Civil	0564	36" RCP Jacking- Hopkins TC&W Depot	Installation of steel pipe in lieu of RCP to mitigate heaving at Hopkins TC&W Depot.	\$ 79,986.29	\$ -	\$ -	\$ 79,986.29
Civil	0565	Buried Road Slab in Infiltration Basin 107 Near RTW W113	Removal of unforeseen buried pavement in order to build Infiltration Basin 107.	\$ 14,873.50	\$ -	\$ -	\$ 14,873.50

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0566	RO0693 SOE Anchor Obstructions	Mitigation of unforeseen underground obstructions at Cedar Lake Channel LRT Bridge.	\$ 20,439.35	\$ -	\$ -	\$ 20,439.35
Civil	0567	27C08 South Abutment Soil Correction	Mitigation of unsuitable soils at Feltl Road Bridge.	\$ 29,695.15	\$ -	\$ -	\$ 29,695.15
Civil	0568	Bridge 27C09 Updated Rebar Schedule	Additional rebar at Smetana Road Bridge due to error in rebar schedule identified in RFI 1796.	\$ 1,971.23	\$ -	\$ -	\$ 1,971.23
Civil	0569	R0686 Pier 2 Added Reinforcement Modifications Pile	Modified pier geometry, reinforcement layout, and added reinforcement at Minnetonka / Hopkins LRT Bridge due to unforeseen conditions causing horizontal clearance exceedances.	\$ 3,203.23	\$ -	\$ -	\$ 3,203.23
Civil	0570	R0686 Pier 1 Added Reinforcement Modifications Pile	Altered pier geometry and modified reinforcement at Minnetonka / Hopkins Bridge due to unforeseen obstructions.	\$ 2,048.60	\$ -	\$ -	\$ 2,048.60
Civil	0571	R0686 Pier 3 Added Reinforcement Modifications Pile	Altered pier geometry and modified reinforcement at Minnetonka / Hopkins Bridge due to unforeseen obstructions.	\$ 943.26	\$ -	\$ -	\$ 943.26
Civil	0572	RTW-W129 Additional Removals and Debris	Removal and replacement of additional backfill and pavement adjacent to Retaining Wall W128 and other modifications due to concrete debris encountered.	\$ 61,530.73	\$ -	\$ -	\$ 61,530.73
Civil	0573	27C15- Kenilworth Tunnel - Casing Installation for Slick Line	Furnishing and installation of a casing pipe under the Cedar Lake Spur to allow for concrete slick lines used in Kenilworth Tunnel concrete placement.	\$ 96,556.73	\$ -	\$ -	\$ 96,556.73
Civil	0574	NB Flying Cloud Drive Soil Correction & Additional Drain Tile	Mitigation of unsuitable soils along Flying Cloud Drive.	\$ 21,983.24	\$ -	\$ -	\$ 21,983.24
Civil	0575	Unsuitable Soils - TH100 to Beltline Blvd	Mitigation of unsuitable soils from Highway 100 to Beltline Boulevard.	\$ 38,203.32	\$ -	\$ -	\$ 38,203.32
Civil	0576	Unsuitable soils, unknown existing RCP and structures at Bryn Mawr water main.	Mitigation of unsuitable soils in the Bryn Mawr Station area.	\$ 100,704.26	\$ -	\$ -	\$ 100,704.26
Civil	0577	Unsuitable Soils - CLT between 5th Ave and US-169	Mitigation of unsuitable soils between 5th Avenue and US-169.	\$ 8,525.63	\$ -	\$ -	\$ 8,525.63
Civil	0578	Bridge 27C08 South Abutment Modification of Geo Fabric	Replacement of geo fabric from the bottom of the south abutment footing of Feltl Road Bridge to provide enough coefficient of friction to prevent sliding.	\$ 23,284.09	\$ -	\$ -	\$ 23,284.09
Civil	0579	Louisiana/Oxford Yard Unsuitable Soils	Mitigation of unsuitable soils encountered in the Louisiana/Oxford yard area.	\$ 151,827.58	\$ -	\$ -	\$ 151,827.58
Civil	0580	Egan - Embedment Plate conflicts with Rebar Cage for FD1G OCS Foundations	Trimming of embedment plates to fit inside the rebar cages in multiple OCS foundations.	\$ 1,673.72	\$ -	\$ -	\$ 1,673.72
Civil	0581	20' Utility Pole obstruction with OCS Foundation	Mitigation of unforeseen underground obstruction at OCE pole location 2494+46.	\$ 10,034.14	\$ -	\$ -	\$ 10,034.14
Civil	0582	RTW W206D Pile 31 Obstruction	Mitigation of unforeseen underground obstruction encountered while drilling soldier piles for Retaining Wall W206D.	\$ 7,739.62	\$ -	\$ -	\$ 7,739.62
Civil	0583	27C07 Span 13-15 Extra Sidewalk Rebar	Additional rebar at Nine Mile Creek LRT Bridge due to error in Bill of Reinforcement.	\$ 2,203.65	\$ -	\$ -	\$ 2,203.65
Civil	0584	27C07 Span 7-10 Top Transverse Rebar Length	Cutting of rebar on Nine Mile Creek LRT Bridge to ensure proper end clearance.	\$ 9,336.19	\$ -	\$ -	\$ 9,336.19
Civil	0585	Southwest Station FO 115 additional expansion joint	Additional expansion joint at SouthWest Station.	\$ 538.76	\$ -	\$ -	\$ 538.76
Civil	0586	Additional Tremie Pour Crew CW-5	Additional labor and equipment to accommodate allowable hours for tremie pour operation at the Kenilworth Tunnel per Minneapolis allowable work hours.	\$ 19,785.70	\$ -	\$ -	\$ 19,785.70
Civil	0587	Egan - Bridge Tie Back obstruction with OCS Foundation E269086B	Mitigation of unforeseen underground obstructions during OCS drilling operation.	\$ 6,677.55	\$ -	\$ -	\$ 6,677.55
Civil	0588	Hennepin Made Paving Plan	Increase in pavement removal, pavement installation, and seeding limits at Hennepin Made (Parcel 820) due to the original scope of work did not account for all necessary removals in order to conduct contract work.	\$ 138,015.68	\$ -	\$ -	\$ 138,015.68
Civil	0589	Southwest Station Roof Hatch Modifications	Installation of two larger roof hatches at SouthWest Station to meet the current building code.	\$ 9,065.25	\$ -	\$ -	\$ 9,065.25
Civil	0590	Hopkin Coffee House Updates	Light pole, curb, paver, and other modifications at Hopkins Depot Coffee House per coordination with the Depot.	\$ 82,584.60	\$ -	\$ -	\$ 82,584.60
Civil	0591	Bridge 27R34 Haunch Reinforcement Span 29-31	Added haunch reinforcement at Highway 212 / Shady Oak Road Bridge to accommodate the beam camber.	\$ 52,203.65	\$ -	\$ -	\$ 52,203.65
Civil	0592	Grading on (railroad) southside of Golden Triangle Interlocking	Revised grading at southside of guideway at Golden Triangle Interlocking due to discrepancy within contract documents.	\$ 80,327.51	\$ -	\$ -	\$ 80,327.51
Civil	0593	27C13 Rebar Detail Mods	Additional reinforcing rebar for Louisiana Avenue LRT Bridge due to error in Bill of Reinforcement.	\$ 632.14	\$ -	\$ -	\$ 632.14
Civil	0594	Modify BR27C17 South Wingwall	Increase south wingwall cantilever length at Glenwood Avenue Bridge - East in order to tie into the end of Retaining Wall E406.	\$ 22,364.90	\$ -	\$ -	\$ 22,364.90
Civil	0595	Colored Concrete- Purgatory Creek Planter Curb	Material-only change for colored concrete for the Purgatory Creek planter curbs.	\$ 442.13	\$ -	\$ -	\$ 442.13
Civil	0596	Bridge R0730 North Barrier Rail - Rebar	Additional rebar for the SouthWest Station Bus Loop Bridge due to error in rebar projection plan details.	\$ 2,205.60	\$ -	\$ -	\$ 2,205.60
Civil	0597	Bridge 27C18 Pier 7 Footing Reinforcement	Additional rebar for 5th Avenue & 7th Street LRT Bridge due to error in Bill of Reinforcement.	\$ 9,406.04	\$ -	\$ -	\$ 9,406.04
Civil	0598	Additional Curb at East Approach Slab & Stairway 27J60 (Blake Underpass)	Required curb and drainage modifications at Blake Road Pedestrian Underpass.	\$ 4,465.24	\$ -	\$ -	\$ 4,465.24

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0599	Wooddale Retaining Wall Modifications	Core drill through Retaining Wall E221 to provide a path for the pedestrian flasher conduit.	\$ 7,995.59	\$ -	\$ -	\$ 7,995.59
Civil	0600	At-Grade Sidewalk Crossings Adjacent to LRT Platform at Hopkins	Modifications to at-grade sidewalk crossings adjacent to LRT platform at Downtown Hopkins Station due to lack of sufficient detail in the contract documents.	\$ 7,358.56	\$ -	\$ -	\$ 7,358.56
Civil	0601	LRT Select Granular along Eden Rd	Excavate excess material and backfill with additional granular material at the guideway along Eden Road.	\$ 44,682.61	\$ -	\$ -	\$ 44,682.61
Civil	0602	LRT Select Granular along RSS (Eden Rd & Flying Cloud Drive)	Required excavation and placement of additional granular backfill below the tracks along Eden Road and Flying Cloud Drive.	\$ 177,758.96	\$ -	\$ -	\$ 177,758.96
Civil	0603	Unsuitable Soil- RTW-W206A Subcut	Remove unsuitable soils and furnish and install slip joints at Retaining Wall W206A.	\$ 48,133.83	\$ -	\$ -	\$ 48,133.83
Civil	0604	Ballast Curb Adjustments Due to Comcast Depth	Re-sequence ballast curb on the south side of the LRT tracks west of 8th Avenue due to conflict with Comcast utility.	\$ -	\$ -	\$ -	\$ -
Civil	0605	Installation of a catch basin and storm manhole	Installation of catch basin and storm manhole at Yosemite Pond due to low point in roadway without a storm sewer.	\$ 86,108.42	\$ -	\$ -	\$ 86,108.42
Civil	0606	Delay Due to UST at Oxford/Edgewood under RTW E218	Removal of an unforeseen underground storage tank near Retaining Wall E218.	\$ -	\$ -	\$ -	\$ -
Civil	0607	Excavate and Re-compact Private Utility Trench	Soil compaction around relocated private utility required to support the sidewalk at Eden Road adjacent to Cascade Apartments.	\$ 7,649.82	\$ -	\$ -	\$ 7,649.82
Civil	0608	Br. R0689 East Abutment Rebar Detailing	Additional rebar at Minnehaha Creek LRT Bridge due to error in design plan reinforcement schedule.	\$ 1,366.32	\$ -	\$ -	\$ 1,366.32
Civil	0609	Curb Backfill project wide	Additional ballast fill behind curbs at several locations due to ballast fill at these areas not being included in contract documents.	\$ 133,506.23	\$ -	\$ -	\$ 133,506.23
Civil	0610	R0686 Span 24 & 25 Added Stool Reinforcement	Additional rebar at Minnetonka / Hopkins LRT Bridge due to error in design plan reinforcement schedule.	\$ 229.31	\$ -	\$ -	\$ 229.31
Civil	0611	RFI - 2042 - Bren E/YCD to RCD Track Crossing Landscape	Furnish and install rock mulch in the median area between Bren Road East, Yellow Circle Drive, Red Circle Drive, and the LRT guideway due to insufficient detail in landscaping plans.	\$ 6,007.98	\$ -	\$ -	\$ 6,007.98
Civil	0612	Soil Correction - Eden Road	Soil correction along Eden Road.	\$ 21,075.24	\$ -	\$ -	\$ 21,075.24
Civil	0613	R0730 Approach Panel, Barrier, and Sidewalk Delay	Clarify approach panels, sidewalks, additional rebar, revised elevations and other details for the SouthWest Station Bus Loop Bridge.	\$ 15,553.30	\$ -	\$ -	\$ 15,553.30
Civil	0614	Additional Pipe to Avoid Existing Transmission Foundation Near Bryn Mawr	Additional storm sewer material to avoid existing transmission foundation near Bryn Mawr Station.	\$ 9,045.47	\$ -	\$ -	\$ 9,045.47
Civil	0615	Stray Current Added to OCS Foundations E263383 and E26343	Added stray current scope to previously unmarked OCS foundations.	\$ 29,827.05	\$ -	\$ -	\$ 29,827.05
Civil	0616	Southwest Station CSUB 3633 Review additional steel framing	Alterations to steel framing for SouthWest Station roof to align with what is shown in the architectural drawings.	\$ 11,032.57	\$ -	\$ -	\$ 11,032.57
Civil	0617	Bridge 27J60 East Approach Panel Updates (Blake Underpass)	Adjustment to curb type on Blake Road Pedestrian Underpass east bottom approach slab to match the installed curb on west approach slab.	\$ 13,738.33	\$ -	\$ -	\$ 13,738.33
Civil	0618	Louisiana-Oxford Signal System "O" Revision	Update in-place equipment at the Louisiana Avenue / Oxford Street traffic signal cabinet in order to operate the flashing yellow signal.	\$ 10,271.43	\$ -	\$ -	\$ 10,271.43
Civil	0619	Bryn Mawr Storm Piping	Storm piping and drain modifications at Bryn Mawr Station due to discrepancies in contract documents.	\$ 15,323.36	\$ -	\$ -	\$ 15,323.36
Civil	0620	City of Eden Prairie Planting Soils	Furnishing and placing planting soils at grade planting beds along Eden Road and Town Center Place to avoid hazards with regards to snow removal and pedestrians.	\$ 30,613.96	\$ -	\$ 30,613.96	\$ -
Civil	0621	Southwest Station East Shaft Reliving Angle Changes	Required relieving angle modifications at the SouthWest Station East Shaft.	\$ 6,240.59	\$ -	\$ -	\$ 6,240.59
Civil	0622	Soil Correction - YCD to RCD	Soil correction from Yellow Circle Drive to Red Circle Drive.	\$ 1,308.36	\$ -	\$ -	\$ 1,308.36
Civil	0623	Southwest Station Roof Blocking and Mitered Angles	Furnish and install the roof blocking and mitered angles at SouthWest Station.	\$ 3,320.71	\$ -	\$ -	\$ 3,320.71
Civil	0624	Grading and Plumbing Modifications to Northeast Corner of SWS Bus Loop and North Elevation of Bus Waiting Area	Grading and plumbing modifications required at SouthWest Station due to a conflict in the design drawings.	\$ (3,493.31)	\$ -	\$ -	\$ (3,493.31)
Civil	0625	TPSS 307 Access Roadway	Required grading, regrading, and additional pavement at the TPSS 307 access roadway.	\$ 15,025.16	\$ -	\$ -	\$ 15,025.16
Civil	0626	Removal of Mitel and ETEL Purchase and License from Project Scope	Deduct change for the Mitel phones, licenses, programming, and install that the Council will now perform.	\$ (437.67)	\$ -	\$ -	\$ (437.67)
Civil	0627	Beltline Boulevard Station Communications Conduit for Park-and-Ride	Communications conduit relocation at Beltline Boulevard Station to allow easier access to fiber optic pulling.	\$ 5,970.46	\$ -	\$ -	\$ 5,970.46
Civil	0628	OCS anchor bolts added to CO 0367	Addition of four OCS anchor bolts to Minnetonka / Hopkins Bridge.	\$ 2,094.40	\$ -	\$ -	\$ 2,094.40
Civil	0629	RTW-E407 Shaft Tie Reinforcement	Additional shaft ties for Retaining Wall E407 not shown in plans.	\$ 43,455.40	\$ -	\$ -	\$ 43,455.40
Civil	0630	Ballast Curb Scope Elimination (RFI-2144)	Removing a portion of unnecessary ballast curb from project scope.	\$ (43,584.17)	\$ -	\$ -	\$ (43,584.17)
Civil	0631	RTW-E426 Pile Layout Downtime	Downtime due to an incorrect dimension in the pile details for Retaining Wall E426.	\$ 22,969.96	\$ -	\$ -	\$ 22,969.96

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0632	Bryn Mawr Network Cable	Addition of required conduit at Bryn Mawr Station not shown in contract documents.	\$ 17,501.18	\$ -	\$ -	\$ 17,501.18
Civil	0633	RTW-E405 Drilled Shaft Additional Reinforcement	Reordering and detailing of rebar at Retaining Walls 405 and 407 to allow for concrete placement.	\$ 221,517.79	\$ -	\$ -	\$ 221,517.79
Civil	0634	Conduits Feeding TH 62 Tunnel Lift Stations	Addition of conduits for lift stations at the Highway 62 Tunnel not shown in contract documents.	\$ 14,062.84	\$ -	\$ -	\$ 14,062.84
Civil	0635	Conduits feeding Kenilworth Tunnel lift stations	Addition of conduit for lift stations at the Kenilworth Tunnel not shown in contract documents.	\$ 63,553.30	\$ -	\$ -	\$ 63,553.30
Civil	0636	Sidewalk Modifications on West Lake Street Bridge	Sidewalk modifications on West Lake Street Bridge required to provide safe landing for connecting bus transfers.	\$ 16,861.16	\$ -	\$ -	\$ 16,861.16
Civil	0637	Eden Rd. & City West Tree Grate installed Receptacles	Cutting holes in the tree grates along Eden Road and at City West Station to avoid a conflict between the electrical receptacle conduit and the tree root ball.	\$ 24,563.50	\$ -	\$ -	\$ 24,563.50
Civil	0638	Additional Paving @ Yellow Circle to Red Circle	New bituminous pavement from Yellow Circle Drive to Red Circle Drive to allow for a proper transition between the new and existing pavement.	\$ 6,891.77	\$ -	\$ -	\$ 6,891.77
Civil	0639	Power for Vertical Circulation Communications Cabinet at West Lake Street Station	Provide power to the vertical circulation communications cabinet at West Lake Street Station due to design plan omission.	\$ 105,928.24	\$ -	\$ -	\$ 105,928.24
Civil	0640	Building Automation System Control Cabinet Relocation at Bryn Mawr Vertical Circulation	Relocate the building automation system control cabinet at Bryn Mawr Station vertical circulation due to lack of space in the location identified in the plans.	\$ 10,227.68	\$ -	\$ -	\$ 10,227.68
Civil	0641	Bridge R0686 Pier 19 Anchor Rod Blockouts	Bearing plate and anchor rod modifications at Minnetonka / Hopkins Bridge due to conflicting plan details.	\$ 11,513.24	\$ -	\$ -	\$ 11,513.24
Civil	0642	Southwest Station LMJV-RF12149 Response	Modifying three doors at SouthWest Station due to discrepancy in contract documents.	\$ 5,778.00	\$ -	\$ -	\$ 5,778.00
Civil	0643	Type A1 Ornamental Railing Br. 27C06 to W110	Ornamental railing modifications at Prairie Center Drive Bridge and Retaining Wall W110 due to conflict with intrusion detection system.	\$ 4,536.01	\$ -	\$ -	\$ 4,536.01
Civil	0644	Track Tie Conflict with TE-MH-2154	Track tie modifications in Segment 3 due to conflict in the design drawings.	\$ 16,633.07	\$ -	\$ -	\$ 16,633.07
Civil	0645	Deck Bearing Angle at SouthWest Station	Addition of deck-bearing steel angle and associated structural steel modifications at SouthWest Station due to discrepancy within the contract documents.	\$ 6,150.42	\$ -	\$ -	\$ 6,150.42
Civil	0646	Drainage Near TPSS-SW310	Lower the rim elevation of drainage structure 6054-T to provide proper drainage along Cedar Lake Regional Trail. (Part 1)	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -
Civil	0647	RTW E424 Completion Date	Update completion milestone date to 6/30/2022 for work within the temporary construction easement at Parcel 820 along Retaining Wall E424. (Part 1)	\$ 38,175.00	\$ 38,175.00	\$ -	\$ -
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 1)	\$ 256,900.00	\$ 256,900.00	\$ -	\$ -
Civil	0649	Intrusion Detection System Power Feeds	Add locations for source of power and conduit for power feeds for the Intrusion Detection System (IDS) cabinets at six locations along the alignment not clearly identify in the contract documents. (Part 1)	\$ 51,600.00	\$ 51,600.00	\$ -	\$ -
Civil	0650	Lighting Control Network Cable	Conduit and control cable for coordinated control of all lighting panels located onsite, at vertical circulation buildings, and on platforms at West Lake Street, Bryn Mawr, and Bassett Creek Valley Stations due to design plan omission. (Part 1)	\$ 50,100.00	\$ 50,100.00	\$ -	\$ -
Civil	0651	Mainline Repair at Hwy 212 EB	Maintenance of traffic and repair work at Highway 212 EB to fix cracks that appeared during removals and grading work. (Part 1)	\$ 20,000.00	\$ 20,000.00	\$ -	\$ -
Civil	0652	RTW-E425 Void Form Substitution	Substitution of thicker void forms and addition of a shear key for Retaining Wall E425 to allow time for the walls above E425 (Retaining Walls E415 and E419) to be constructed. (Part 1)	\$ 29,300.00	\$ 29,300.00	\$ -	\$ -
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 1)	\$ 42,200.00	\$ 42,200.00	\$ -	\$ -
Civil	0654	Southwest Station Communication Service Conduit	Provide conduit type required to link communication services from CenturyLink and Comcast at SouthWest Station. (Part 1)	\$ 18,705.00	\$ 18,705.00	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
Civil	0655	Splash Block Drainage	Installation of riprap along the flow path adjacent to splash blocks under four bridges (Prairie Center Drive, Valley View Road, Nine Mile Creek, and Highway 212 / Shady Oak Road) to mitigate erosion concerns due to lack of vegetation. (Part 2)	\$ 18,971.38	\$ 18,971.38	\$ -	\$ -
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 1)	\$ 162,000.00	\$ 162,000.00	\$ -	\$ -
Civil	0657	Steel Escalation for Allowance 509	Modifies Specification 01 21 00 to increase Allowance 509- Steel Escalation from \$200,000 to \$525,000 (adding \$325,000) and to clarify the Electrical Service (Source of Power) Allowance.	\$ 325,000.00	\$ 325,000.00	\$ -	\$ -
Civil	0658	Modifications to Conduit Locations and Hand Holes/Openings within Structural Steel at Bassett Creek Valley VC Structure	Relocate conduits, hand holes, and openings in the structural steel at selected locations to provide a path for conduit and circuit installation at the Bassett Creek Valley Station VC Structure. (Part 1)	\$ 39,800.00	\$ 39,800.00	\$ -	\$ -
Civil	0659	Vertical Circulation W8x21 Steel Beam to Hollow Steel Section 8"x6" Connections	Furnish and install a ½" thick steel plate on bottom of the hollow steel section at eight (8) locations across three (3) vertical circulation structures due to discrepancy in contract documents. (Part 2)	\$ 7,654.45	\$ 7,654.45	\$ -	\$ -
Civil	0660	Added drain tile in BMP 100 and 110	Furnish and install 4" perforated drain tile in the bottom of BMPs 100 and 110 to due to the presence of cohesive clay in the basins. (Part 2)	\$ 9,586.55	\$ 9,586.55	\$ -	\$ -
Civil	0661	Furnish and Install Additional Inlets Under I-94 Bridges	Furnish and install four additional inlets on the north side of the BNSF track due to the volume of water being discharged from the adjoining bridge scuppers causing heavy erosion and saturated soils. (Part 1)	\$ 7,000.00	\$ 7,000.00	\$ -	\$ -
Civil	0662	MASW Testing at 27C15	Perform baseline and proof concept MASW testing to identify subsurface voids adjacent to the Kenilworth LRT Tunnel during frost conditions. (Part 2)	\$ 35,610.00	\$ 35,610.00	\$ -	\$ -
Civil	0663	Changed OCS rebar and form configuration	Additional rebar for OCS foundations E280155A and E280155B due to lack of detail in contract documents. Voided with concurrence from Council and LMJV. (VOID)	\$ -	\$ -	\$ -	\$ -
Civil	0664	TH 62 Tunnel Trough and Plinths	Extend the drainage troughs around the plinths in the Highway 62 Tunnel to allow water to drain from the tunnel. (Part 1)	\$ 17,800.00	\$ 17,800.00	\$ -	\$ -
Civil	0665	RTW-W327 Supplemental Anchors	Supplemental anchors required at Retaining Wall W327 due to unforeseen soil conditions.	\$ 1,490,512.80	\$ -	\$ -	\$ 1,490,512.80
Civil	0666	Concrete Encasement of Conduits	Change to require concrete encasement of direct buried conduit in vulnerable locations due to discrepancy in contract documents.	\$ 298,357.78	\$ -	\$ -	\$ 298,357.78
Civil	0667	Furnish and Install Dielectric Membrane over 48-inch Water Main	Furnish and install a dielectric membrane at the existing 48-inch concrete-encased water main at France Avenue in Minneapolis to protect the water main from any potential stray current. (Part 1)	\$ 100,000.00	\$ 100,000.00	\$ -	\$ -
Civil	0668	Rip Rap at Catholic Charities	Added rip rap at Catholic Charities due to scour and washout concerns. (Part 2)	\$ 8,702.31	\$ 8,702.31	\$ -	\$ -
Civil	0669	Signal System B Cabinet Installation	Pick-up and installation of a MnDOT Type 2 traffic signal cabinet in lieu of the existing MnDOT Type 1 traffic signal cabinet at the NE corner of Technology Drive and Prairie Center Drive in Eden Prairie due to the MnDOT Type 1 cabinet's inability to accommodate the traffic signal equipment as required by the plans. (Part 2)	\$ 11,392.46	\$ 11,392.46	\$ -	\$ -
Civil	0670	Ductbank from MH to Freight Bungalows	Installation of required additional conduit runs at seven (7) freight bungalow locations due to discrepancy in contract documents.	\$ 244,276.28	\$ -	\$ -	\$ 244,276.28
Civil	0671	Kenilworth Tunnel Sheeting Inspection Allowance	Kenilworth Tunnel Sheeting Inspection Allowance (Allowance 10) increase.	\$ 2,000,000.00	\$ 2,000,000.00	\$ -	\$ -
Civil	0672	Soil Correction - LRT Track-bed Along RTW-E403	Mitigation of unforeseen unsuitable clay soils in the LRT track bed along Retaining Wall E403.	\$ 445,474.47	\$ -	\$ -	\$ 445,474.47
Civil	0673	SWS Winged Expansion Joint Surface Preparation	Updated detail on a joint interface at the SouthWest Station parking ramp due to existing conditions causing the specified joint breakout to be larger than anticipated. (Part 1)	\$ 15,900.00	\$ 15,900.00	\$ -	\$ -
Civil	0675	Riprap Slope Protection RTW - E218	Furnish and install 18" of riprap slope protection adjacent to Retaining Wall E218 and the existing Canadian Pacific (CP) railroad bridge over Cambridge in St. Louis Park as required for CP slope protection. (Part 1)	\$ 30,000.00	\$ 30,000.00	\$ -	\$ -
Civil	0676	Updated Sidewalk and Handhole at Blake Road - Pizza Luce	Address existing condition to regrade sidewalk to allow for positive drainage. (Part 1)	\$ 26,100.00	\$ 26,100.00	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded	
Civil	0677	RTW-E408 Footing Modifications	Revise the footing location and size at Retaining Wall E408 due to the foundation modification from driven pile to drilled shafts to mitigate vibration and settlement concerns with the adjacent building. (Part 1)	\$ 39,600.00	\$ 39,600.00	\$ -	\$ -	
Civil	0679	OCS Foundation Drilling Encountered Higher Water Table than Shown in Borings	Additional effort required to construct overhead catenary system (OCS) foundations where the water table was higher than the anticipated water levels indicated in the soil boring base bid documents.	\$ 200,482.14	\$ -	\$ -	\$ 200,482.14	
Civil	0680	Remove/Abandon GMP's Directed via CHG-333	Remove/abandon additional GMP's installed during press-in sheeting operations.	\$ 14,707.84	\$ 14,707.84	\$ -	\$ -	
Civil	0681	Supplemental Supports at CICA Building	Design and furnish supplemental supports for the CICA buildings. (Part 1)	\$ 325,000.00	\$ 325,000.00	\$ -	\$ -	
Civil	0682	TPSS-SW312 Access Road Hammerhead Modifications (RFI - 2701)	Revision to the hammerhead turnaround at TPSS-SW312 to maintain proposed grading within the permanent right-of-way and relocation of a proposed signal case due to a discrepancy within the contract documents. (Part 1)	\$ 25,000.00	\$ 25,000.00	\$ -	\$ -	
Civil	0687	Unsuitable subgrade at/around City West Station parking lot	Required removal of unsuitable soil and replacement with 6 inches of aggregate base under the City West Station Park & Ride facility.	\$ 20,450.27	\$ 20,450.27	\$ -	\$ -	
Civil	0688	SWS Wayfinding Signage Modifications	Change to reconcile discrepancies between the Contract Documents and Shop Drawing Review pertaining to wayfinding/signage elements at SouthWest Station.	\$ 14,921.37	\$ 14,921.37	\$ -	\$ -	
Civil	0693	Soil Correction - EP-EP-22	Removal and replacement of unsuitable soils required for the placement of an effective road bed in the Bus Loop area of SouthWest Station.	\$ 29,704.29	\$ 29,704.29	\$ -	\$ -	
Civil	0705	Bridge 27C09 P-1 Barrier Height Extension	Removal and reinstallation of ornamental railing on Smetana Road Bridge due to concrete barrier height discrepancy in contract documents.	\$ 52,171.75	\$ 52,171.75	\$ -	\$ -	
Civil	0706	Addition of Stone Path Around Freight Signal House Enclosures	Installation of required stone pad around freight signal house enclosures at 7 locations due to discrepancy in the contract documents.	\$ 18,850.29	\$ 18,850.29	\$ -	\$ -	
Civil	0707	Concrete Walk Modifications and Rock Mulch Addition at SWS	Modifications to concrete safety walk adjacent to Prairie Center Drive LRT Bridge to align with the gate and provision of details regarding the material type in the area between the SouthWest Station parking garage and Track 2 missing from the contract documents.	\$ 5,249.22	\$ 5,249.22	\$ -	\$ -	
Civil	0708	SouthWest Station Snow Dump Bar Modification	Furnishing and installation of steel plate to cover the metal panel system on the snow dump bar at SouthWest Station due to discrepancy in the contract documents.	\$ 11,891.12	\$ 11,891.12	\$ -	\$ -	
Civil	0709	RTW-E405/407 Expansion Joint Ties	Furnishing and installation of required new expansion joint tie bars in Retaining Walls E405 and E407.	\$ 7,361.84	\$ 7,361.84	\$ -	\$ -	
Civil	0710	Conduits at Royalston Impedance Bond Plinths	Furnish and install conduits from the impedance bond plinths to the rail access boxes for the track circuit cables at Royalston Avenue/Farmers Market Station and revise conduit routing for negative return cables.	\$ 46,018.19	\$ 46,018.19	\$ -	\$ -	
Civil	0711	SWS Added Bollards for Communication Cabinets	Added bollards at SouthWest Station for protection of the communications cabinets in the parking ramp not shown in the contract documents.	\$ 12,471.53	\$ 12,471.53	\$ -	\$ -	
Civil	0712	Additional Decorative Metal Railing Infills at Bryn Mawr Vertical Circulation	Furnish and Install decorative metal railing infills to close gaps to the Track 1 guideway at Bryn Mawr Station vertical circulation not shown in the contract documents.	\$ 16,914.73	\$ 16,914.73	\$ -	\$ -	
Civil	0713	R0686 Spans 9-12 Added Stool Reinforcement	Additional rebar required at Minnetonka/Hopkins LRT Bridge due to the actual camber in the bridge beams.	\$ 5,040.56	\$ 5,040.56	\$ -	\$ -	
Civil	0714	W 70th Tree Grate Foundation (RFI 2355)	Revised tree grate type along West 70th Street to preserve structural integrity of the surrounding pavers.	\$ 15,168.66	\$ 15,168.66	\$ -	\$ -	
Civil	0715	Cascade Driveway	Expand concrete truck turnaround pad at Cascade Apartments to allow for garbage truck turning movements.	\$ 46,993.56	\$ 46,993.56	\$ -	\$ -	
Civil	0716	RTW E-235 Sheeting and Fencing Changes	Sheeting and fencing changes at Retaining Wall E235 to mitigate elevation discrepancy between existing grade and installed sheet piles.	\$ 9,545.64	\$ 9,545.64	\$ -	\$ -	
Civil	0717	R0697 Drains	Furnishing and installation of 2 MnDOT B701 drains at the LRT Over BNSF Bridge due to lack of detail and discrepancy between plan volumes in contract documents.	\$ 7,880.01	\$ 7,880.01	\$ -	\$ -	
Civil	0718	R0697 Blister Tie	Replacement of rebar on the LRT Over BNSF Bridge due to dimension error in the contract documents.	\$ 2,727.44	\$ 2,727.44	\$ -	\$ -	
Civil	0720	Additional Conduit and Wire at Blake Road Station Lighting Panel	Required addition of conduit and wire between a light pole and the Blake Road Station lighting panel.	\$ 2,275.01	\$ 2,275.01	\$ -	\$ -	
				Total	\$ 225,775,389.34	\$ 190,417,470.12	\$ 25,356,504.05	\$ 10,001,415.17
Project Name: Franklin Operations and Maintenance Facility Modifications								
FOMF	001	Franklin Temporary Sanding Modifications	Additional scope for West Runner track and connections to the temp sanding.	\$ 129,112.32	\$ 129,112.32	\$ -	\$ -	
FOMF	002	Specification 01 10 00 for LNTP 2	Update to LNTP cost and durations.	\$ -	\$ -	\$ -	\$ -	
FOMF	003	Specification 01 10 00 Summary for FNTP	Update to contract cost and duration for FNTP.	\$ -	\$ -	\$ -	\$ -	
FOMF	004	Schedule of Values Extension	Extending the use of the SOV for pay application.	\$ -	\$ -	\$ -	\$ -	
FOMF	005	Foundation Modification	Modification to Support of Excavation (SOE) and added helical piers scope.	\$ (44,800.00)	\$ (44,800.00)	\$ -	\$ -	

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
FOMF	006	CSUB 28 Steel Deck and Joist Changes	Change in type and style of steel deck for roof structure.	\$ 4,378.67	\$ 4,378.67	\$ -	\$ -
FOMF	007	RFI 46 - New Lockers Area B	Purchase of additional lockers for locker room.	\$ 22,737.60	\$ 22,737.60	\$ -	\$ -
FOMF	008	Aluminum Panel Thickness	Change in aluminum panel gauge for exterior walls of RCC.	\$ (71,331.75)	\$ (71,331.75)	\$ -	\$ -
FOMF	009	RFI 40 and 41 Additional Costs	Mechanical duct modification due to door opening obstructing.	\$ 14,256.17	\$ 14,256.17	\$ -	\$ -
FOMF	010	Sanitary Sewer Invert and Pumped Sewer Modifications	Plumbing modification piping inverts connection, routing and pump models.	\$ 70,767.13	\$ 70,767.13	\$ -	\$ -
FOMF	011	Franklin West Runner Advanced Design	Additional overhead catenary system (OCS) and roadway improvements.	\$ 320,547.21	\$ 320,547.21	\$ -	\$ -
FOMF	012	Removal of SC-805 Ductbank	Ductbank SC-805 is not required for the completion of contract.	\$ (11,131.68)	\$ (11,131.68)	\$ -	\$ -
FOMF	013	Added West Runner Section Insulator and Disconnects	Additional sectionalization to lessen construction impacts to Metro Transit operations.	\$ 38,931.33	\$ 38,931.33	\$ -	\$ -
FOMF	014	Reduced Joist Depth in Area F	Change to shallower spliced roof joists to avoid conflict with several existing industrial and mechanical pipes and conduits.	\$ 53,479.00	\$ 53,479.00	\$ -	\$ -
FOMF	015	Additional Work at Paint Booth Ceiling/Head and Gridline C	Additional metal studs and gypsum board installation.	\$ 28,971.24	\$ 28,971.24	\$ -	\$ -
FOMF	016	Impacts Due to Work Windows for W. 17th	Additional labor cost to avoid operation impacts.	\$ 35,314.41	\$ 35,314.41	\$ -	\$ -
FOMF	017	Relocation of OCS Foundations in the North and South Yards	Relocation of two OCS foundations.	\$ 20,911.30	\$ 20,911.30	\$ -	\$ -
FOMF	018	Additional Layer of Insulation for Section Insulators	Existing OCS section insulator required second layer of insulation	\$ 22,406.45	\$ 22,406.45	\$ -	\$ -
FOMF	019	FKE 22 OCS Cantilever Arm Extended Offset	Extended offset for OCS arm assembly.	\$ 9,812.25	\$ 9,812.25	\$ -	\$ -
FOMF	020	Room Layout Revision on 3rd Floor	Layout change removing an office wall and removed a rooftop air handling unit.	\$ (30,580.26)	\$ (30,580.26)	\$ -	\$ -
FOMF	021	Lowering Bridge Crane Running Beam	Change to lower the bridge crane running beam at M1 Track to allow for mechanical, plumbing, fire protection, and other utilities. (Part 2)	\$ 65,779.66	\$ 65,779.66	\$ -	\$ -
FOMF	022	OCS Baseplate Encasement	Encasement of OCS baseplates in grout to protect from corrosion.	\$ 29,640.11	\$ 29,640.11	\$ -	\$ -
FOMF	023	Manhole HV-2 Changed Lid Procurement	Change from a 1-piece precast lid to a 2-piece precast lid for Manhole HV-2.	\$ 2,432.48	\$ 2,432.48	\$ -	\$ -
FOMF	024	Modification of HVAC for the Car Wash Mechanical Room (Rm 129) (Metro Transit Rail Operations-funded)	Removal of HRV-5 and all associated work from the project contract.	\$ (77,236.75)	\$ -	\$ (77,236.75)	\$ -
FOMF	025	Modification of Overhead Door Installation	Modifications to overhead coiling doors.	\$ 1,410.65	\$ 1,410.65	\$ -	\$ -
FOMF	026	Wash/Sanding Bay Duct Relocation (Metro Transit Rail Operations-funded)	Modifications to stainless duct to avoid existing piping.	\$ 22,733.50	\$ -	\$ 22,733.50	\$ -
FOMF	027	Water Pump Valve Removals	Removal of motorized valves due to manufactures information	\$ (15,667.14)	\$ (15,667.14)	\$ -	\$ -
FOMF	028	Added Data Drops and Rubber Base for Area B Rooms	Additional work in the room 112 on the 1st floor	\$ 1,038.82	\$ 1,038.82	\$ -	\$ -
FOMF	029	Added Parapet Blocking	Additional material and labor for wood blocking	\$ 1,494.19	\$ 1,494.19	\$ -	\$ -
FOMF	030	RCC Video Wall Power Loading	Moving the non-critical power loading off the uninterruptible power supply (UPS) service to avoid the need for a larger UPS system. (Part 2)	\$ 10,963.56	\$ 10,963.56	\$ -	\$ -
FOMF	031	Four Fold Train Door Change from Electric to Hydraulic Controls	Change from electric operator to a hydraulic operator per the shop drawing review.	\$ 13,694.07	\$ 13,694.07	\$ -	\$ -
FOMF	032	New OCS Assemblies Required to Replace Existing (Metro Transit Rail Operations-funded)	Replacement of OCS arms/connections along the M6 track.	\$ 16,378.90	\$ -	\$ 16,378.90	\$ -
FOMF	033	Rooftop Mechanical Duct Clarifications	Rerouting of ductwork outside of the Electrical Room.	\$ 7,485.95	\$ 7,485.95	\$ -	\$ -
FOMF	034	Added Beam in Area K for Fall Protection	Added safety beam and connection detail in Area K.	\$ 13,776.55	\$ 13,776.55	\$ -	\$ -
FOMF	035	Cutting of Steel Tube at RCC Link	Steel tube change between door jambs at RCC link.	\$ 1,446.00	\$ 1,446.00	\$ -	\$ -
FOMF	036	Extension of Stud Framing on RCC Roof Decking	Change to mount angle for RCC roof decking stud framing.	\$ 3,459.67	\$ 3,459.67	\$ -	\$ -
FOMF	037	Modifications to Waste Line from RCC Restrooms	Elimination of waste line from RCC restrooms.	\$ (13,552.94)	\$ (13,552.94)	\$ -	\$ -
FOMF	038	Clarification of Rail Apron Sections	Change in track type for north building LRV entrance.	\$ 45,451.89	\$ 45,451.89	\$ -	\$ -
FOMF	039	Modification to Headspan in West Yard	Modification to OCS headspan support from cantilever arm system.	\$ 45,439.57	\$ 45,439.57	\$ -	\$ -
FOMF	040	M2, M3, M4 Mono-Rail and Mechanical Duct Modifications	Modifications to monorail crane run-out beams and mechanical ductwork to coordinate all trades running overhead in maintenance bays. (Part 2)	\$ 82,160.46	\$ 82,160.46	\$ -	\$ -
FOMF	041	Added Drywall at Gridline C Between Grids 16 and 24	Added gypsum board along Gridline C.	\$ 7,147.49	\$ 7,147.49	\$ -	\$ -
FOMF	042	Removal of Underground Obstructions at Vehicle Hoist Pits	Removal of underground obstructions.	\$ 10,520.39	\$ 10,520.39	\$ -	\$ -
FOMF	043	Elimination of Feeders for Wash Equipment (Metro Transit Rail Operations-funded)	Modification to distribution panel, conduits, disconnects, and branch circuits for power to wash equipment.	\$ 3,575.32	\$ -	\$ 3,575.32	\$ -
FOMF	044	Electrical Adjustments	Electrical changes to eliminate manhole conflict with proposed track.	\$ 40,095.23	\$ 40,095.23	\$ -	\$ -
FOMF	045	RCC Temporary Power for Server Room	Rental, setup, and takedown of temporary power for RCC Server Room required to maintain operational service to the RCC and Metro Transit light rail system during construction.	\$ 104,141.89	\$ 104,141.89	\$ -	\$ -
FOMF	046	FKE 07 OCS Pole Changes	Modified OCS pole and foundation to avoid overhead bridge.	\$ 9,381.25	\$ 9,381.25	\$ -	\$ -
FOMF	047	Extended Stud Framing / Clearance of Deck Angle	Added angle at window locations and extended the roof blocking outside the RCC.	\$ 3,116.92	\$ 3,116.92	\$ -	\$ -
FOMF	048	Modifications to HWS/HWR Piping in Area C	Change of pipe size to avoid a flow pinch point.	\$ 13,278.49	\$ 13,278.49	\$ -	\$ -
FOMF	049	OCS Foundation Shift in West Yard	Shift four OCS foundations and added offset adapter plate to maintain pole location.	\$ 106,894.40	\$ 106,894.40	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
FOMF	050	Removal of Energy and Flow Meters	Removal of flow meters from project scope.	\$ (2,965.89)	\$ (2,965.89)	\$ -	\$ -
FOMF	051	Removal of Underground Obstruction at OCS Foundation	Removal of storm sewer structure to install OCS foundation	\$ 5,863.23	\$ 5,863.23	\$ -	\$ -
FOMF	052	Replace Existing Roof Flashing	Change to repair roof flashing along the south wall of the new RCC. Change also includes the addition of metal cap flashing over the curb interface between the new and old roof areas required to protect new roofing membrane from damage due to foot and material traffic required to service roof top mechanical equipment.	\$ 8,852.02	\$ 8,852.02	\$ -	\$ -
FOMF	053	Wash/Sanding Bay Power Recircuiting (Metro Transit Rail Operations-funded)	Change in power source for the Wash/Sanding Bay because building transformer project not complete.	\$ 100,285.44	\$ -	\$ 100,285.44	\$ -
FOMF	054	Franklin Area C/D Joist Girder Reinforcement	Reinforcement of building roof joist girders to support additional snow loads imposed due to drifting from the new RCC construction.	\$ 27,637.29	\$ 27,637.29	\$ -	\$ -
FOMF	055	Take Down Tension Reducers in M6 Interior (Metro Transit Rail Operations-funded)	Change to take down and put up two pairs of interior tension reducers (YT01 assemblies) in M6 due to conflict with the train doors.	\$ 20,427.68	\$ -	\$ 20,427.68	\$ -
FOMF	056	S9 and S10 Track Elevations	Additional ballast and re-compacting of sub-ballast layer to meet required elevations for Tracks S9 and S10.	\$ 21,164.32	\$ 21,164.32	\$ -	\$ -
FOMF	057	Added Walkway Pavers to M6 Roof	Additional walkway pavers for M6 sanding bay roof.	\$ 4,166.64	\$ 4,166.64	\$ -	\$ -
FOMF	058	M6 OCS Disconnect Switch Clearance (Metro Transit Rail Operations-funded)	Rotate OCS disconnect switch to meet code-required access clearance	\$ 2,690.83	\$ -	\$ 2,690.83	\$ -
FOMF	059	Stair A Roof Water Ponding Remedial Work	Install additional tapered insulation to eliminate stair A roof water ponding. (Part 2)	\$ 6,520.27	\$ 6,520.27	\$ -	\$ -
FOMF	060	RCC Remote Building Access	Install a 4-button control plate in the RCC to maintain existing remote access not shown in the contract documents. (Part 2)	\$ 3,615.22	\$ 3,615.22	\$ -	\$ -
FOMF	061	TPSS 15B Disconnect Switch Cutover Sequencing Modifications	Change to add failsafe regression process to the existing TPSS 15 to ensure uninterrupted light rail service is maintained in the event of an unforeseen problem during integration of TPSS 15B and to mitigate the number of yard shutdowns during TPSS 15B integration. (Part 2)	\$ 6,619.81	\$ 6,619.81	\$ -	\$ -
FOMF	062	RTU 8 Size Change	Curb detail modifications to accommodate the actual size of RTU 8.	\$ 4,071.47	\$ 4,071.47	\$ -	\$ -
FOMF	063	Exterior Camera Installation	Reinstallation of two exterior cameras required on the Wash/Sand Bay.	\$ 16,537.91	\$ 16,537.91	\$ -	\$ -
FOMF	064	Added PDUs required at Room 306	Provide and install new vertical UPS PDUs at Room 306 needed to support RCC Overview display.	\$ 15,316.09	\$ 15,316.09	\$ -	\$ -
FOMF	065	Additional Work for Met Transit COVID Protocol	Provision of employee for COVID temperature screening.	\$ 3,849.47	\$ 3,849.47	\$ -	\$ -
FOMF	066	Changed Jib Crane Mounting Details	Jib crane mounting detail changes to clarify plan discrepancy and provide needed clearance to OCS.	\$ 28,156.42	\$ 28,156.42	\$ -	\$ -
FOMF	067	Added Studs for Mounting Section Insulators	Added mounting details for the train door section insulators that were missing from the drawings.	\$ 3,019.28	\$ 3,019.28	\$ -	\$ -
FOMF	068	Section Insulator Connection Changes	Added drop arm assemblies missing from the drawings.	\$ 3,467.74	\$ 3,467.74	\$ -	\$ -
FOMF	069	Restore Compressed Air service in Area B	Change to move compressed air connection from a wall that was being demolished.	\$ 2,462.05	\$ 2,462.05	\$ -	\$ -
FOMF	070	OCS Davit Modifications at M2 & M3	Modifications to connection for OCS tension reducer.	\$ 5,278.41	\$ 5,278.41	\$ -	\$ -
FOMF	071	Provide additional clearance in Maintenance Pits	Additional clearance is required to accommodate the Type III LRVs. (Part 2)	\$ 33,740.15	\$ 33,740.15	\$ -	\$ -
FOMF	072	Gate Valve Manhole Elevation Changes	Uncover and raise two gate valve manholes.	\$ 7,949.28	\$ 7,949.28	\$ -	\$ -
FOMF	073	RTU 3 Modifications	Mechanical and electrical modifications to Rooftop Unit 3 (RTU 3) to change its operational sequence to properly serve the reconfigured area as a variable volume system. (Part 2)	\$ 68,819.57	\$ 68,819.57	\$ -	\$ -
FOMF	074	Removal of Rail Grinding and Geometry from Contract Base Scope	Removal of Rail Grinding and Geometry from the base bid.	\$ (90,213.82)	\$ (90,213.82)	\$ -	\$ -
FOMF	075	Additional Scope of Work for Street Sweeping	Additional cost for street sweeping on West 17th Avenue.	\$ 2,428.00	\$ 2,428.00	\$ -	\$ -
FOMF	076	West 17th Avenue Grading and Curb Modifications	Change in grading required along West 17th Avenue.	\$ 9,265.84	\$ 9,265.84	\$ -	\$ -
FOMF	077	Required Weekend Work for North Yard OCS Tie In	Change for the difference between straight time and overtime hours for required weekend work.	\$ 16,041.07	\$ 16,041.07	\$ -	\$ -
FOMF	078	Relocate Four Sand Dispensers in Sanding Bay (Metro Transit Rail Operations-funded)	Relocate four middle sand dispensers required to reach all sanding fill of both Type 1 and Type 2 LRVs in the Franklin Sanding Bay.	\$ 38,086.14	\$ -	\$ 38,086.14	\$ -
FOMF	079	Switch Y31 Switch Box Shift, Curb Install, and Hose Reroute	Shift of switch signal box 15" to the west to avoid a conflict with the dynamic envelop of Type 1 LRVs.	\$ 18,481.67	\$ 18,481.67	\$ -	\$ -
FOMF	080	West Runner TWC Asphalt Conflicts	Change to narrower TWC loops due to conflict with bituminous pavement.	\$ 8,646.04	\$ 8,646.04	\$ -	\$ -
FOMF	081	Relocation of Conduits in West Yard	Reroute conduits and junction boxes to avoid switch machine installation conflicts in the Franklin West Yard.	\$ 69,975.02	\$ 69,975.02	\$ -	\$ -
FOMF	082	W. 17th Ave Pavement & Rail Systems Conflict Mitigation	Change to mitigate multiple conflicts with roadway bituminous edge and rail systems conduit and junction boxes.	\$ 12,580.70	\$ 12,580.70	\$ -	\$ -
FOMF	083	W. 17th Ave Changed Junction Box Material	Change from metal to nonmetallic polymer concrete junction boxes for embedding in bituminous pavement at three locations as indicated in the contract documents.	\$ 9,425.77	\$ 9,425.77	\$ -	\$ -
FOMF	084	Heater Junction Box Additions	Additional heater junction boxes in the Franklin Yard.	\$ 15,656.98	\$ 15,656.98	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
FOMF	085	Manhole Relocations and Additions	Manhole and storm water alterations due to a conflict with an existing underground duct bank.	\$ 66,039.30	\$ 66,039.30	\$ -	\$ -
FOMF	086	Switch Point Lug Modifications	Change in diameter for seven switch point lug assemblies.	\$ 3,736.49	\$ 3,736.49	\$ -	\$ -
FOMF	087	Additional Pavement Removal and Replacement	Remove and replace 70 square yards of bituminous paving not indicated in the contract documents.	\$ 2,924.12	\$ 2,924.12	\$ -	\$ -
FOMF	088	Added Mulch and Seed at North Soil Storage Area	Addition of mulch and seed at the north end of the project site.	\$ 5,299.53	\$ 5,299.53	\$ -	\$ -
FOMF	089	New RCC Temporary Air Conditioning	Provision of temporary air conditioning required to protect temperature-sensitive IT equipment being installed in the new RCC until permanent HVAC equipment was operational.	\$ 20,591.05	\$ 20,591.05	\$ -	\$ -
FOMF	090	M3-3 and M4-3 Stagger Increase	Increase stagger at M3-3 and M4-3 to obtain required static clearance for OCS.	\$ 4,443.03	\$ 4,443.03	\$ -	\$ -
FOMF	091	Additional Sump Pump Cord Length	Replace power cords on 2 sump pumps with longer cords to reach controller.	\$ 5,626.89	\$ 5,626.89	\$ -	\$ -
FOMF	092	Added Precast Demo Scope in Area C	Demolition of unforeseen precast wall in Area C.	\$ 9,513.97	\$ 9,513.97	\$ -	\$ -
FOMF	093	OCS Arm Assembly Change from SCA 12M to SCA 23H for OCS YM47	Change in arm assembly style for OCS YM47 to avoid conflict with bridge.	\$ 3,423.31	\$ 3,423.31	\$ -	\$ -
FOMF	094	Addition of Second Level of Insulation to Fixed Termination Between FKE 35 and FKE 36	Addition of second level of insulation between FKE 35 and FKE 36 to mitigate potential shock hazard from nearby dumpster.	\$ 3,650.25	\$ 3,650.25	\$ -	\$ -
FOMF	095	Clipping Mezzanine Beam Ends	Cutting 20 mezzanine beam ends for train clearance due to a conflict in the contract documents.	\$ 6,627.67	\$ 6,627.67	\$ -	\$ -
FOMF	096	Mezzanine Columns and Pit Ramp Shift	Move support columns and maintenance pit ramps to provide adequate clearance for LRVs.	\$ 13,940.91	\$ 13,940.91	\$ -	\$ -
FOMF	097	Unforeseen Obstructions at MHs 105, 106, and 107	Unforeseen subsurface obstructions at Manholes 105, 106, and 107.	\$ 19,712.58	\$ 19,712.58	\$ -	\$ -
FOMF	098	Integrant Curb Details on 17th Ave	Details added clarifying reinforcement requirements for integrant curb.	\$ 13,280.86	\$ 13,280.86	\$ -	\$ -
FOMF	099	Southwest Yard Signal House Inverter Breaker Additions	Change to furnish and install breakers on the input and output ends of the DC/AC Inverter in the Southwest Yard Signal House.	\$ 2,796.46	\$ 2,796.46	\$ -	\$ -
FOMF	100	RTU 8 and Geothermal System Modifications	Geothermal and mechanical adjustments for the operation of Rooftop Unit 8.	\$ 16,235.81	\$ 16,235.81	\$ -	\$ -
FOMF	101	Imported Sand to Site due to Contaminated Soils	Import of approximately 1,520 tons of sand for structural backfill material required due to removal of contaminated/unsuitable soils.	\$ 24,932.40	\$ 24,932.40	\$ -	\$ -
FOMF	102	Removable Curb at Manhole TE-Y4	Construction of removable curb section for maintenance access to Manhole TE-Y4.	\$ 9,036.81	\$ 9,036.81	\$ -	\$ -
FOMF	103	Fees of Contaminated Soils Regulated Landfill	Fees to export unforeseen contaminated soils from the Franklin site to a regulated landfill.	\$ 107,343.34	\$ 107,343.34	\$ -	\$ -
FOMF	104	Changed Flooring on 3rd Floor Area C	Change from rubber to carpet floor tiles on the 3rd floor to accommodate access floor panels substrate.	\$ 4,354.04	\$ 4,354.04	\$ -	\$ -
FOMF	105	Removal of Roof Area C Crossover Ladder Reinstallation Activity from Base Contract	Removal of activity "Reinstall Crossover Ladder - Roof Area C" from the base contract scope - ladder was not required to be moved.	\$ (1,446.00)	\$ (1,446.00)	\$ -	\$ -
FOMF	106	RCC Radio Console Grounding	Added grounding bonds for 8 radio consoles in the new RCC that were not originally included in the contract documents.	\$ 1,710.32	\$ 1,710.32	\$ -	\$ -
FOMF	107	Trucking, Labor, and Equipment Costs for Export of Contaminated Soils	Change for trucking, labor, and equipment to transport contaminated and unsuitable soil off the site.	\$ 123,407.80	\$ 123,407.80	\$ -	\$ -
FOMF	108	Added Emergency Pushbutton Stations for OCS Control	Add 8 emergency stop pushbutton stations not shown in contract documents that are required for OCS control on mezzanines and in pit areas.	\$ 28,808.47	\$ 28,808.47	\$ -	\$ -
FOMF	109	Intercom Speakers on Floor 3	Provide and install two intercom speakers on Floor 3 not shown in contract documents.	\$ 3,369.99	\$ 3,369.99	\$ -	\$ -
FOMF	110	Specification 01 12.00 for Final Completion Date Extension	Zero-cost change order to extend the Final Completion date to June 30, 2022 to address punch list items.	\$ -	\$ -	\$ -	\$ -
FOMF	111	Security Door Access Panel Manufacturer Modifications	Change is required to replace three legacy controller boards with new door access security panels.	\$ 46,759.88	\$ 46,759.88	\$ -	\$ -
FOMF	112	RCC Work Site Cleanup	Costs to clean up cardboard waste generated by equipment for the new RCC.	\$ 1,957.18	\$ 1,957.18	\$ -	\$ -
FOMF	113	Added Demo for Track Extension in Truck Bay Area	Demolition not shown in contract documents required for the extension of the truck track into the existing truck bay as well as conduit rerouting due to unforeseen underfloor electrical conditions.	\$ 29,586.90	\$ 29,586.90	\$ -	\$ -
FOMF	114	Added Water Line for H-1 Humidifier	Added water supply line, condensate drain line, and pump for Humidifier H-1 not shown in contract documents.	\$ 18,087.19	\$ 18,087.19	\$ -	\$ -
FOMF	115	Maintenance Shop 3-Phase Outlet Rewiring	Cost to rewire twenty (20) new shop 3-phase outlets to match the rotation of existing shop outlets.	\$ 1,945.40	\$ 1,945.40	\$ -	\$ -
FOMF	116	Maintenance Pit Light Elevations	Cost to lower fifteen (15) lighting fixtures in the maintenance shop due to conflicts with mechanical ductwork to provide adequate illumination in the pit floors.	\$ 3,334.56	\$ 3,334.56	\$ -	\$ -
FOMF	117	TPSS15B Drain tile and Cleanouts	Credit for the elimination of TPSS 15B drain tile and cleanouts from the contract base scope.	\$ (2,228.52)	\$ (2,228.52)	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
FOMF	118	Added OCS Davit Covers	Cost to provide, finish, and install approximately sixteen (16) cover plates to cover OCS anchor penetrations on the Franklin OMF exterior walls.	\$ 1,185.00	\$ 1,185.00	\$ -	\$ -
FOMF	119	Concrete Fill at Removed Transformer	Cost to fill two (2) rectangular voids in sidewalk at removed transformer location due to unforeseen conditions.	\$ 874.90	\$ 874.90	\$ -	\$ -
FOMF	120	Addition of Isolation Valves to Compressed Air Lines per RFI 529	Change to add 36 isolation ball valves to compressed air lines required to match existing facility conditions.	\$ 7,921.44	\$ 7,921.44	\$ -	\$ -
FOMF	121	M6 Track Train Door Changes	Change to extend the M6 Track train doors to fit the precast rough opening.	\$ 82,678.38	\$ 82,678.38	\$ -	\$ -
FOMF	122	Additional Exploratory Excavation for Helical Piers	Change for unforeseen additional exploratory excavation to verify existing sub-surface conditions, including duct bank location and elevation in relation to existing pile caps at specific locations on the exterior of the building.	\$ 7,314.00	\$ 7,314.00	\$ -	\$ -
FOMF	123	Additional Work at Four Fold Train Doors	Demolition and removal of 8" X 8" tube steel frames at 4 door locations (M2, M3, M4, and M5) to provide proper rail clearance.	\$ 20,616.63	\$ 20,616.63	\$ -	\$ -
FOMF	124	Model 6 Switch Machine Resistors	Change to procure and install resistors on 4 switches (Y29, Y30, Y31, Y32) that are required for switches to work properly in varying temperature conditions.	\$ 20,489.44	\$ 20,489.44	\$ -	\$ -
FOMF	125	FOMF Allowance 501 Sales Tax AUA Adjustment	Required \$60,000 increase to FOMF Sales Tax AUA allowance from \$700,000 to a new balance of \$760,000.	\$ 60,000.00	\$ 60,000.00	\$ -	\$ -
FOMF	127	Disconnect Indicator Switch (Microswitch) Modifications	Modifications to microswitches in the West Yard disconnect panel to allow the switch handles to fully travel and engage the switches.	\$ 4,255.58	\$ 4,255.58	\$ -	\$ -
FOMF	128	Access Floor Shortage	Deduct change for approximately 23% of submitted and approved access flooring that was not installed.	\$ (16,066.58)	\$ (16,066.58)	\$ -	\$ -
FOMF	129	Colored Concrete for Exterior Aprons	Change for the cost differential of integrally-colored dye for concrete aprons in the Franklin Yard between lowest-tier dye cost and the cost of the dye required by Metro Transit.	\$ 8,976.73	\$ 8,976.73	\$ -	\$ -
FOMF	130	Mezzanine Gate Interlocking Requirements	Provide required interlocked OCS disconnect switches at 18 mezzanine access gate locations.	\$ 59,525.57	\$ 59,525.57	\$ -	\$ -
FOMF	131	New 3" Cold Water Connection	Change add and deduct for a net deduct for a 3" cold water pipe not extended to the 6" water main near the meter in the basement.	\$ (22,271.32)	\$ (22,271.32)	\$ -	\$ -
FOMF	132	Unforeseen Obstruction During OCS Foundation FKE34 Installation	Remedial demolition work required at OCS base FKE34 to mitigate sub-surface obstruction.	\$ 8,147.89	\$ 8,147.89	\$ -	\$ -
FOMF	133	Dust Collection Hose Reel Mounting Material	Additional mounting material only for the dust collection system hose reels due to design drawing omission.	\$ 18,831.90	\$ 18,831.90	\$ -	\$ -
FOMF	134	Additional Frame Work at M1 to Accept Electric Train Door Operator	Modifications to the M1 door frame and mounting plates for an electric operator.	\$ 3,753.15	\$ 3,753.15	\$ -	\$ -
FOMF	135	Removal of Existing Liquids/Solids in Vehicle Wash Holding Pits	Pumping and disposal of residue from Metro Transit's existing in-ground water treatment pit required for the installation of new float switches in the pit.	\$ 2,624.21	\$ 2,624.21	\$ -	\$ -
FOMF	136	Car Wash Chemical Costs	Reimburse Contractor for excess car wash chemical not needed for start-up, commissioning and training purposes.	\$ 3,765.00	\$ 3,765.00	\$ -	\$ -
FOMF	137	H1 Humidifier Pump and Heat Trace	Addition of a safety control switch and heat trace for Humidifier H-1 required for winter operation.	\$ 4,321.91	\$ 4,321.91	\$ -	\$ -
FOMF	138	Extended Project Completion Costs and Additional COVID Cleaning Measures	Additional costs related to extended contract completion date and COVID cleaning measures.	\$ 69,328.03	\$ 69,328.03	\$ -	\$ -
FOMF	139	Additional Costs for Cutting of the Mezzanines in the Maintenance Bays	Trimming the edges of the mezzanine in order to allow for full, unimpeded movement of LRVs through the maintenance bays.	\$ 31,523.34	\$ 31,523.34	\$ -	\$ -
FOMF	140	FOMF Allowance 501 Sales Tax AUA Adjustment	Required increase of FOMF Sales Tax AUA allowance by \$15,552.63 from \$760,000 to a new balance of \$775,552.63.	\$ 15,552.63	\$ 15,552.63	\$ -	\$ -
FOMF	141	Credit for Costs due to Council for Documents and Final Completion Milestone	Closeout credit to Council for work occurring beyond the date of Final Completion and for submittal/deliverable documents not received from the Contractor.	\$ (100,000.00)	\$ (100,000.00)	\$ -	\$ -
Total				\$ 2,570,329.90	\$ 2,443,388.84	\$ 126,941.06	\$ -
Project Name: OMF Building Demolition							
OMF Demo	0001	Additional Site Fencing	Additional fencing on south side of OMF/RSF site.	\$ 15,774.92	\$ 15,774.92	\$ -	\$ -
OMF Demo	0002	Allowance Reconciliation	The change order is to reconciliation contract allowance value for contract closeout.	\$ (50,861.10)	\$ (50,861.10)	\$ -	\$ -
Total				\$ (35,086.18)	\$ (35,086.18)	\$ -	\$ -
Project Name: Systems and Tunnel Facilities							
STF	0001	Add concrete pump chamfer at tunnel fire flow and lift stations	Adding concrete chamfer Systems Contract providing pump equipment.	\$ 13,500.00	\$ 13,500.00	\$ -	\$ -
STF	0002	Delete Moline Scope	Removal for communication equipment and signs for garage at Moline location.	\$ (235,617.60)	\$ (235,617.60)	\$ -	\$ -
STF	0003	Interchange Fiber Optic Modifications and Revisions of Communication and Traction Power Plans.	Modifications to the drawing for both Communication and Traction power.	\$ 44,256.10	\$ 44,256.10	\$ -	\$ -
STF	0004	Counting Loop at Southwest Station	Counting system to parking structure at Southwest station.	\$ 158,190.19	\$ 158,190.19	\$ -	\$ -
STF	0005	Bren Rd Gate Down Foundation and Beltline Junction Boxes	Install signal foundation and associated conduit.	\$ 19,530.60	\$ 19,530.60	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
STF	0006	Energized OCS at double crossover locations	Supply power to the currently un-powered center section of the catenary at double crossover locations.	\$ 237,488.37	\$ 237,488.37	\$ -	\$ -
STF	0007	LNTF summary 01 10 00 specification change	Change to the LNTF for the contract.	\$ -	\$ -	\$ -	\$ -
STF	0008	Network redundancy in both the Hopkins RSF and RCC	Removal of two Route Switch Processors for the communication system.	\$ (1,301,197.98)	\$ (1,301,197.98)	\$ -	\$ -
STF	0009	Eden Prairie Town Center (EPTC)	Scope for pre-design/engineering services at Eden Prairie Town Center (EPTC) station location.	\$ 965,032.25	\$ 965,032.25	\$ -	\$ -
STF	0010	Track Transformer and Coupler Cases	Addition of Coupler Cases to support the cable length.	\$ 724,272.74	\$ 724,272.74	\$ -	\$ -
STF	0011	Tunnel Ventilation Fan Control System Programmable Logic Controller Features	Added a functional redundant PLC design.	\$ 228,273.31	\$ 228,273.31	\$ -	\$ -
STF	0012	R2G Connection	Moved conductor in TPSS for safer maintenance.	\$ 43,937.41	\$ 43,937.41	\$ -	\$ -
STF	0013	LNTF 3 summary 01 10 00 specification change	Updated LNTF cost and duration.	\$ -	\$ -	\$ -	\$ -
STF	0014	Disconnect Switch I/O to Franklin Yard TPSS 15B	Added monitoring hardware for four Disconnect Switches at the Franklin Yard TPSS.	\$ 34,654.36	\$ 34,654.36	\$ -	\$ -
STF	0015	LNTF 4 summary 01 10 00 specification change	Updated LNTF cost and duration.	\$ -	\$ -	\$ -	\$ -
STF	0016	Intrusion Strobe Changes	Change to light for intrusion detection will match with changes being made to the existing LRT systems.	\$ 9,491.15	\$ 9,491.15	\$ -	\$ -
STF	0017	SWLRT Closed Circuit Television Camera Product Substitution - 360 Degree Camera Appliances	Replacement for camera model no longer commercially available.	\$ 63,790.84	\$ 63,790.84	\$ -	\$ -
STF	0018	01 10 00 Summary Updates for LNTF #5	Change extends the LNTF cost and duration.	\$ -	\$ -	\$ -	\$ -
STF	0019	Change to Specification 01 10 00 Summary for Final NTP	Updated contract to add Final Notice to Proceed (FNTP).	\$ -	\$ -	\$ -	\$ -
STF	0021	Franklin Yard TPSS 15B Communication Equipment	Clarification of fiber optic connections impacted due to the equipment type.	\$ 27,048.82	\$ 27,048.82	\$ -	\$ -
STF	0022	RSV Cable Deduct	Removal of wiring and termination block equipment.	\$ (29,222.51)	\$ (29,222.51)	\$ -	\$ -
STF	0024	3D Modeling for Tight Guideway Conditions	Clearance evaluation for balance weight assembly due to space constraints.	\$ 38,246.79	\$ 38,246.79	\$ -	\$ -
STF	0025	Crossing Overlay Circuit and Coupler Case Modifications	Addition of Coupler Cases to support the cable length	\$ 444,266.13	\$ 444,266.13	\$ -	\$ -
STF	0026	Switch Heater Cabinet Power Disconnect Modification	Change to the fuse disconnect installation for the switch heater cabinet.	\$ 13,801.82	\$ 13,801.82	\$ -	\$ -
STF	0027	Local storage for manufactured products	Provide local storage for a period of 3 years to mitigate site availability constraints. (Part 2)	\$ 8,779,867.59	\$ 8,779,867.59	\$ -	\$ -
STF	0028	Signal House Foundation and Duct Bank Modifications	This work replaces work removed from the Civil Contract for the signal house foundations to the Systems contract and modifying signal house duct bank installation.	\$ 344,644.78	\$ 344,644.78	\$ -	\$ -
STF	0029	Tunnel House transformers and Uninterruptible Power Supplies (UPS)	Size change of the transformers and UPS systems for tunnel house power systems due to Systems contractor final design.	\$ 331,202.65	\$ 331,202.65	\$ -	\$ -
STF	0030	Mitel Phones and Licenses Deduct	Deduct scope for the Mitel phones/licenses/programming/install	\$ (61,601.32)	\$ (61,601.32)	\$ -	\$ -
STF	0031	System wide Electrical Changes at TPSS Sites	Elimination of provisions for energy storage and corrosion control for several TPSS sites as well as addressing manhole sizing issues at TPSS 303 and 314. Change is a Part 1 and will be paid out on actuals.	\$ 72,724.02	\$ 72,724.02	\$ -	\$ -
STF	0032	TP Transformer Dollies	Design and fabrication of TPSS transformer storage dollies. (Part 2)	\$ 46,752.77	\$ 46,752.77	\$ -	\$ -
STF	0033	HX-BLAT Location Change	Unforeseen field conditions required a reroute of field cables to the Blake Freight Crossing House. Change is a Part 1 and will be paid out on actuals.	\$ 9,160.17	\$ 9,160.17	\$ -	\$ -
STF	0034	MC Cable Size and Grounding Conductor	For tunnel systems, adjust cable conductor sizes to meet National Electric Code (NEC) voltage drop requirements and add conductor for dedicated grounding.	\$ 460,113.18	\$ 460,113.18	\$ -	\$ -
STF	0035	Material Escalation for OCS Steel Pole	Addresses raw steel material price escalation for OCS steel poles due to initial delay in site turnovers from the Civil Contract.	\$ 418,837.12	\$ 418,837.12	\$ -	\$ -
STF	0036	Material Escalation for Traction Power Site Conduit and Rebar	Material cost increases due to delay in TPSS site turnovers from the Civil contract.	\$ 114,453.45	\$ 114,453.45	\$ -	\$ -
STF	0037	Additional cable required for Hopkins Bike Parking security camera.	Added communications cable for a portion of bike shelter security camera run at Downtown Hopkins Station due to discrepancy within contract documents.	\$ 2,397.49	\$ 2,397.49	\$ -	\$ -
STF	0038	Obsolete Tunnel Lighting Controller	Replacement of tunnel house lighting controllers due to unexpected "End-of-Life" announcement from the vendor.	\$ 23,462.10	\$ 23,462.10	\$ -	\$ -
STF	0039	Bryn Mawr IDS Bollards	Addition of ten (10) intrusion detection system (IDS) bollards due to Civil contract addition of additional freight intrusion detection junction boxes and raceways between the end of the Corridor Protection Barrier and the original start of the freight IDS alongside Bryn Mawr Station.	\$ 33,056.43	\$ 33,056.43	\$ -	\$ -

Contract	Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted / Externally Funded	3.17.2022 Settlement Agreement Funded
STF	0041	TPSS - Add DC Heat Detector	Change to add DC heat detectors to existing AC smoke detectors at all TPSS locations in order to allow for more flexibility and to prevent against obsolescence of any combination unit.	\$ 62,877.01	\$ 62,877.01	\$ -	\$ -
STF	0042	Replacement of Existing HXP-3 with an XP4 at 5th Ave S. Freight Xing	Replacement of the existing HXP-3 Crossing Controller with an XP4 Crossing Controller at the 5th Avenue Freight Crossing House to provide system uniformity, remote diagnostic and monitoring capabilities, and design efficiencies.	\$ 109,974.10	\$ 109,974.10	\$ -	\$ -
STF	0043	Tunnels Drain Freeze Boat Section Pathway	Addition of required junction boxes not present in the contract documents at both ends of the Highway 62 and Kenilworth Tunnels.	\$ 9,332.19	\$ 9,332.19	\$ -	\$ -
STF	0044	Traction Power Substation Foundation Design Modification	Foundation modifications for TPSSs 302, 304, 307, 310 and 314 that are scheduled to be installed in 2022. (Part 1)	\$ 319,436.35	\$ 319,436.35	\$ -	\$ -
Total				\$ 12,576,432.87	\$ 12,576,432.87	\$ -	\$ -