



SWLRT CHG Summary Description

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
Project Name: SWLRT Civil					
0001	Relocation of Royalston Signal Bungalow	Minor shift to the location of the Royalston signal house/bungalow	0.00	0.00	0.00
0002	Revise Specification for SB-44 Stainless Steel Reinforcement Bars	Added product lot language for stainless steel samples used for testing/QC	0.00	0.00	0.00
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	0.00
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	0.00
0005	Modify Curb Removal Near Station 21+50	Curb that was originally scheduled for removal is now to remain.	0.00	0.00	0.00
0006	Source of Power Allowance	Contractor will be responsible for coordinating with the power company to obtain electrical services for location in the contract documents.	1,100,000.00	0.00	1,100,000.00
0007	Modification of Appendixes W and the System-wide Electrical Schedule (page 38)	Design clarification to schedule supporting documentation and electrical schedule for conduit size.	0.00	0.00	0.00
0008	Temporary Construction Easements (TCE) and Limits of Construction (LOCN) Modifications	Change to drawings limits for Temporary Construction Easement.	0.00	0.00	0.00
0009	Remove Diseased Elm Trees	Remove diseased trees in project construction limits	1,180.53	1,180.53	0.00
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	0.00
0011	Modify Storm Sewer Removal Between 2311+00 to 2314+50	Change lineal footage of storm sewer removals by approximately 25 lineal feet.	0.00	0.00	0.00
0012	Update Sidewalk Plans at Parcel 203	Remove and reinstall the existing pavers.	25,157.00	25,157.00	0.00
0013	Revise SW Station Pile Cap and Elevations	Design clarification to top of pier cap elevation at Southwest Parking Structure.	404.56	404.56	0.00
0014	Bridge 27R34 Detailing Revisions (Shady Oak Bridge)	Revise dimensional per RFI response for Highway 212/ Shady Oak Road Bridge.	0.00	0.00	0.00
0015	Reduce the Temporary Easement (TE) at Parcel 811	Temporary Easement change on Van White Memorial Blvd.	0.00	0.00	0.00
0016	Modifications to Roadway and Drainage near Opus Station	Modified access to parcel off of Bren Road East	1,657.64	1,657.64	0.00
0017	Update Trail Detour Plan at Luce Line Trail Bridge	Additional signs for revise the trail detour plan.	7,625.22	7,625.22	0.00
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	0.00
0019	Revise Specification Section 01 57 00 - Modified Hours when Vibration Limits are Exceeded	Nighttime piling work from Golden Triangle Station to the Shady Oak Bridge.	338,224.26	338,224.26	0.00
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	0.00
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	0.00
0022	394 Pier Protection	Modification to the type of rebar for 394 pier protection.	43,736.67	43,736.67	0.00
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.	3,400.00	3,400.00	0.00
0024	Bridge 27C06 Pier 9 and 10 Completion Date Required Revisions	Removal of the date requirement for Prairie Center Bridge Piers 9 and 10.	0.00	0.00	0.00
0025	Beltline Park and Ride staging/laydown area	Modified duration of lay down yards near Beltline Station.	0.00	0.00	0.00
0026	Spec 01 57 00 Temporary Controls - Night Shift for SOE and Backfilling and Monitoring at 21HE0409	If or when the contractor identifies any activities outside of the pile driving that would require night shift work due to the vibration limits.	337,000.00	337,000.00	0.00
0027	Bridge 27C16 Detailing Revisions	Updated Contract Drawings per RFI response for Glenwood Bridge West	0.00	0.00	0.00
0029	Collapsed Pipe Repair	Clean and repair existing storm sewer near the Minnetonka/ Hopkins Bridge	30,022.60	30,022.60	0.00
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	0.00
0031	Revisions to Appendix H - Southwest Stations Phasing	Change to the contract phasing plan for southwest station to better facilitate construction.	0.00	0.00	0.00
0032	Modify Detail for Bridge Expansion Joints	The revised expansion joint detail to reduce maintenance concerns.	0.00	0.00	0.00
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	0.00
0034	Structures Changes due to BNSF- West of Glenwood	Modifications to structural elements west of Glenwood including retaining walls, bridges and utilities.	1,073,385.40	0.00	1,073,385.40
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.	0.00	0.00	0.00
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	0.00
0037	Temporary Construction Easement (TCE) Modifications	Change in TCE that reduces scope of work at 11th Avenue.	-2,373.96	-2,373.96	0.00
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	0.00
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	0.00
0040	Landscaping Modifications at Parcel 407	Addition of ten trees.	8,316.46	8,316.46	0.00
0041	LNTP summary 01 10 00 spec change	Extends Civil LNTP by 30 days	0.00	0.00	0.00
0042	Appendix Q Modifications	Stormwater Pollution Prevention Plan (SWPPP) Amendment Log update for Appendix Q	0.00	0.00	0.00
0043	Parcel 309 - ROW Modifications	Temporary Easement change at TH 212 and Shady Oak	0.00	0.00	0.00
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	0.00
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	0.00
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	0.00
0047	LNTP-3 Summary 01 10 00 Specification Change	Change order extends LNTP period and raises the maximum funds.	0.00	0.00	0.00
0048	SWLRT Project Partnering	Adding 3rd party partnering sessions.	80,650.00	80,650.00	0.00
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	0.00
0050	Excelsior Water Main	Install a cased water main under the freight tracks at Excelsior BLVD	455,854.20	455,854.20	0.00
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	0.00
0052	Remove six (6) 7'X7' concrete anchors	Concrete blocks were unknown and not identified in the removal plans.	26,372.06	26,372.06	0.00
0053	Trail Paving Asphalt Mix Designs	Change from base course to wear course a asphalt mix designs.	17,206.73	17,206.73	0.00
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	0.00
0055	Fell / Smetana _Alternate Staging Plan	Modifications to phasing plans and provide a temporary bypass road.	37,050.40	37,050.40	0.00
0057	Revise Drantile Alignment to Avoid Parcel 401	Modifying drain tile removals and alignment to avoid parcel 401.	-2,022.83	-2,022.83	0.00
0058	Drainage Clarifications	Elevation changes to drainage plan to conflicts during construction.	-1,097.25	-1,097.25	0.00
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	0.00
0060	Kenilworth Tunnel / Track Drawing Revision (RFI 5 & 12)	Adjustment to tunnel excavation elevation.	229,760.32	229,760.32	0.00

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0061	Additional Opus Area MOT Bituminous Paving	Provide a temporary access road to Parcel 315.	194,731.09	194,731.09	0.00
0062	Vibration and Sound Monitoring	Modifies vibration and noise monitoring requirements at four project locations.	689,058.82	689,058.82	0.00
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	0.00
0064	Specification Section 01 29 73 - Schedule of Values	Extend the use of Schedule of Values for contractor invoice payments.	0.00	0.00	0.00
0065	Utility Relocations at West Lake Station near 31st Street	Modifications to roadway, drainage, and utilities at 31st Street	864,408.02	380,408.02	484,000.00
0066	Relocated Landscape Materials for Opus Station	Moving Tree Locations in the Contract Drawings	0.00	0.00	0.00
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	0.00
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. Part 1 will be paid on actuals.	98,083.80	98,083.80	0.00
0069	Nine Mile Creek Bridge Sanitary Sewer	This change resulted from RFI	23,750.29	23,750.29	0.00
0070	CKLN 188 SOE - Duct Bank Relocation	SOE design modifications to support utility relocation	273,354.74	273,354.74	0.00
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	0.00
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	0.00
0073	TH100 BR 27W34 drawing change	Modification of a 2" inset at each face of the pier for the HWY 100 Fright Bridge	4,521.25	4,521.25	0.00
0074	Revised Sanitary plan sheets from Volume 7	Field conditions of two manholes vary from plan set.	26,726.93	26,726.93	0.00
0075	Stray Current Clarification for Retaining Wall	Adding stray current requirements for 8 retaining walls	36,344.63	36,344.63	0.00
0076	Specification 01 21 00 Change Asbestos and Regulated Waste	Reallocation of allowance lump sum value.	0.00	0.00	0.00
0077	Appendix K - Construction Protection Plan for Historic Properties (CPPHP) minor edits	Franklin OMF location was added and clarification to damage procedures for historic properties	0.00	0.00	0.00
0078	Delay to Manifest Train	Two hour delay to a train on the Bass Lake Spur.	-4,662.00	-4,662.00	0.00
0079	Relocation of Lift Station at Blake Road	Changed the location of the storm lift station.	70,377.53	70,377.53	0.00
0080	Grading near trailhead south of Smetana Rd	Adjusts the grading and landscape to match with existing conditions at trailhead	0.00	0.00	0.00
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.	0.00	0.00	0.00
0082	Seed mix near wetlands (buffer zone) requirement Nine Mile Creek Watershed District.	Temporary seeding mix change	0.00	0.00	0.00
0083	Parcel 712 Sidewalk Shift	Adjustment to sidewalk alignment to accommodate Right of Way (ROW) negotiations.	0.00	0.00	0.00
0084	Eden Prairie Town Center Station Addition	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
0085	Parcel 312 Storm Sewer Revisions	Realignment of the storm sewer due to ROW negotiations	112,609.14	112,609.14	0.00
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	0.00
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	0.00
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	0.00
0089	North Side of 394 Pier Protection (RFI 319)	Modifies pier protection design to match actual field conditions.	159,477.35	159,477.35	0.00
0090	Temporary Lighting	Temporary Lighting for resident safety	16,439.70	16,439.70	0.00
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	0.00
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	0.00
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	0.00
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	0.00
0095	Kenilworth Additional Geotechnical Monitoring	Additional layout, install, and survey additional ground monitoring points for the Kenilworth press piler operations. Change is Part 1 and will be paid out on actuals.	130,000.00	130,000.00	0.00
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	0.00
0097	Specification 01 10 00 update for LNTP	LNTP-4 Summary 01 10 00 Specification Change	0.00	0.00	0.00
0098	Opus Stations Sanitary Casing	Added cased crossing for sanitary line.	37,779.31	37,779.31	0.00
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	0.00
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	0.00
0101	Revised Plans & Specifications for Shady Oak & Blake Rd Stations	Minor modification to station for Shady Oak & Blake Rd Stations. Change is Part 1 and will be paid out on actuals.	10,000.00	10,000.00	0.00
0102	TH 62 Stage 2 Crossover Survey	Survey data for the TH 62 EB and WB lanes,	15,981.26	15,981.26	0.00
0103	Redstone Parking Adjustments	Signage, striping for on street parking and requirement of multiple fence moves	23,391.30	23,391.30	0.00
0104	Costco pond outlet modifications	Installation of a weir and change the casting type	15,169.58	15,169.58	0.00
0106	Cell Tower Oxford Area	Removes the remains of an existing cell tower	27,035.34	27,035.34	0.00
0107	Rebar Field Modifications	Modifies rebar to aerial structure	8,187.64	8,187.64	0.00
0108	Specification 01 10 00 update for LNTP 5	LNTP-5 Summary 01 10 00 Specification Change	0.00	0.00	0.00
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	0.00
0110	Modification of Storm Sewer South of Opus Station, Minnetonka- revisions	Modification of Storm Sewer to avoid affecting parcel 322A	0.00	0.00	0.00
0111	Hopkins Sand Fill of Casings	Fill steel casing annular space with sand. Change is Part 1 and will be paid out on actuals.	36,085.00	36,085.00	0.00
0112	AnSteel Modifications Due to Additional Handholes - All Stations	Modifications to the Station Steel Canopy for updated VMS.	266,387.68	266,387.68	0.00
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	0.00
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	0.00
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	0.00
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.	0.00	0.00	0.00
0118	Building Demolition Private Utility Removal Costs	Removal of pad mounted transformers.	46,195.19	46,195.19	0.00
0121	Special Provision Clarifications	Updated to include a mass concrete provision for CIP retaining walls. Change is Part 1 and will be paid out on actuals.	86,600.00	86,600.00	0.00
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	0.00
0123	Southwest Station Lower Level Electrical Conduit Exploration	Temporary routing and support of buried electrical conduit.	7,965.24	7,965.24	0.00
0124	27W34 - Rebar Detail Modification	West Abutment rebar detailing modifications for Shady Oak Road Bridge.	4,243.32	4,243.32	0.00
0125	Abandon and Seal Wells	Survey additional abandoned wells to obtain the permits required to seal the wells.	75,803.25	75,803.25	0.00

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
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	0.00
0127	27C10 East Abutment SOE Redesign	SOE redesign for additional clearance to centerline of track.	3,300.00	3,300.00	0.00
0128	Dewatering - Feltl/Smetana Area	Dewatering at Smetana/Feltl because of elevated ground water table. Change is Part 1 and will be paid out based on actuals.	90,800.00	90,800.00	0.00
0129	27C18 Replacement Bars RFI 0888 & 0881	Modifications to the rebar for the LRT bridge over 5th and 7th streets. Change is Part 1 and will be paid out on actuals.	3,915.49	3,915.49	0.00
0130	RTW-E411 Replacement Bars RFI 926	Revises reinforcement bars per RFI. Change is Part 1 and will be paid out on actuals.	2,500.00	2,500.00	0.00
0131	R0690 Rebar Detailing Clarification	Additional rebar for the Louisiana Station Underpass.	1,136.33	1,136.33	0.00
0132	The requirement of a Full Shop Assembly for Bridge 27C16	Require a full shop assembly of the Glenwood Ave bridge. Change is Part 1 and will be paid out on actuals.	87,100.00	87,100.00	0.00
0133	RTW W302A Drainage Modifications	Additional drain tile and cleanout.	4,492.48	4,492.48	0.00
0134	POWR354 - Transformer Protection	Design and install SOE to protect the transformer at Residence Inn.	211,551.81	211,551.81	0.00
0135	Parcel 317 Easements	Modifications to the storm sewer design due to final ROW limits.	4,799.98	4,799.98	0.00
0136	Hopkins Landfill Fence and Drainage	Remove and replace existing MPCA fence and existing MPCA drainage protection not shown on plans. Change is Part 1 and will be paid out on actuals.	45,800.00	45,800.00	0.00
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	0.00
0138	Additional Temporary Lighting at Chowen and Abbott	Additional temporary lighting for lighting removals not shown on plans.	7,524.15	7,524.15	0.00
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	0.00
0140	Parcel 723 - Revise Curb Remove Line (Curb Stays)	Curb modifications are made to meet ROW agreement.	-5,391.37	-5,391.37	0.00
0141	Unidentified Storm @ RTW-W205	Additional drainage connections based on field conditions of storm line near Blue Stem.	25,864.80	25,864.80	0.00
0142	8th Ave - TE & PE Changes	Adjustment to the temporary and permanent construction easements at Hopkins Honda.	47,380.00	47,380.00	0.00
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	0.00
0144	West Lake Street Unforeseen Conditions	Removes unforeseen obstructions encountered under West Lake Street bridge.	218,521.78	218,521.78	0.00
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	0.00
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	0.00
0147	Embed Conduits Into TH62 Base Pour	Modified routing of heat trace power for the 62 tunnel. Change is Part 1 and will be paid out on actuals.	5,000.00	5,000.00	0.00
0148	Prairie Center Drive Bridge (27C06) Pier 15 - Additional Pile	Additional pile was added to meet capacity due to unforeseen condition.	4,500.00	4,500.00	0.00
0149	Adjust Design of BMP 406 and BMP 407	Grading modification to the BMP's.	19,704.03	19,704.03	0.00
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	0.00
0151	Commercial Wage for Southwest Station	Update to MN prevailing wage rate.	635.00	635.00	0.00
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	0.00
0153	Add Blockouts to Glenwood West Bridge 27C16	Blockouts to the abutment at Glenwood for conduit pathway.	1,439.10	1,439.10	0.00
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	0.00
0155	Redesign for RTW-E235	Change is the type of retraining wall for laocation	227,128.63	227,128.63	0.00
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	0.00
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	0.00
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	0.00
0159	Wooddale drainage modifications	Minor storm sewer adjustments to coordinate with recent City work at Wooddale.	0.00	0.00	0.00
0160	Power 317 Distribution Slab	Added a distribution slab over the top of an existing ductbank.	88,626.16	88,626.16	0.00
0161	Plugged 6" Watermain Shut Off	Unanticipated work for dewatering, cutting & capping needed for watermain shut off.	2,226.84	2,226.84	0.00
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	0.00
0164	6323-ST Rim Adjustment	Elevation change to drainage plans	3,149.15	3,149.15	0.00
0165	27W34 Expansion Joint	Additional expansion joint material	13,621.02	13,621.02	0.00
0166	Fence modification for grading work	Place and remove temporary fence for work performed for BNFS alignment shift	85,550.16	85,550.16	0.00
0168	Beltline Bridge (R0692) Pier Foundation Grading	Revised grading around bridge piers to account for existing conditions.	28,792.76	28,792.76	0.00
0169	Freight ditch modified grading for clarification	Minor adjustments to freight ditch elevation near Burnham Road.	1,764.45	1,764.45	0.00
0170	Temporary freight track new alignment at Blake	Added scope for freight phase near Blake road intersection.	142,301.86	142,301.86	0.00
0171	Beltline Backage Rd Adjustments.	Minor modifications to roadway and existing utilities near the Beltline Park and Ride. Change is Part 1 and will be paid out on actuals.	7,600.00	7,600.00	0.00
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	0.00
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	0.00
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	0.00
0175	5th Avenue (Hopkins) Median Modification	Temporary modification of median for semi trucks access.	24,747.59	24,747.59	0.00
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	0.00
0177	Specification 01 10 00 update for LNTP 6	Update to LNTP cost and durations.	0.00	0.00	0.00
0178	Specification Section 01 10 00, Summary for LNTP #7	Update to LNTP cost and durations.	0.00	0.00	0.00
0179	Specification 01 10 00 Summary for LNTP 8	Update to LNTP durations.	0.00	0.00	0.00
0180	AREMA Hardness Specifications modifications	Update to contract specification to American Railway Engineering and Maintenance of way Association (AREMA)	0.00	0.00	0.00
0181	BNSF Changes - Glenwood East Side	Change is for structures on the east side of the BNSF anglinement.	9,310,000.00	0.00	9,310,000.00
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	0.00
0184	Additional junction boxes needed above pier 5 on Beltline bridge	Added junction boxes needed for conduit routing.	3,167.43	3,167.43	0.00
0185	R0696 Drainage System - Additional Cleanouts	Added cleanouts for the Luce Line Trail Bridge	8,260.00	8,260.00	0.00
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	0.00
0189	Dean Court and 28th Street Additional Pavement Removal and Replacement	Sanitary sewer installation required removal and replacement of pavement not shown on contract drawings	128,131.22	128,131.22	0.00
0190	27C11 - Parapet Curb Rebar Detailing Clarification	Additional rebar due to plan detailing clarification.	1,996.25	1,996.25	0.00
0192	Railroad Flagging Specification Section 01 42 00, Freight Railroad Coordination	Change to freight railroad flagging requirements.	0.00	0.00	0.00
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	0.00
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	0.00

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
0197	Bryn Mawr Bridge Heat Trace HR Conduits	Added conduits and circuits to support the heat trace requirements.	29,211.40	29,211.40	0.00
0198	Lighting pole mounting	Mounting change from wall mounted to ground mounted lighting	6,102.50	6,102.50	0.00
0199	Speaker and Camera Modifications at Station Canopies	Speaker modifications due to conflict with canopy.	34,392.03	34,392.03	0.00
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	0.00
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.	0.00	0.00	0.00
0202	Modifications to grade behind RTW-E108	Modified ditch grading behind wall to match top of retaining wall.	0.00	0.00	0.00
0203	Manifest Train 7/15/2020	Train delay in the Kenilworth corridor.	-15,734.25	-15,734.25	0.00
0204	Manifest Train 7/22/2020	Train delay in the Kenilworth corridor.	-2,331.00	-2,331.00	0.00
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	0.00
0206	MN&S Temporary Freight Alignment	Temporary track alignment around the MN&S pier protection work..	128,693.89	128,693.89	0.00
0208	27J61 - Rebar Detailing Clarifications	Additional rebar due to plan detailing clarification.	1,169.60	1,169.60	0.00
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	0.00
0210	Fence Removal at SWS Parking Ramp	Removal of existing fencing not shown on removal drawings.	825.68	825.68	0.00
0211	BNSF Changes - Other than Glenwood West and East	Earth and grading work for the BNSF barrier wall	10,045,134.47	1,516,250.63	8,528,883.84
0212	Updates to Document 0485 DBE Subcontracting Policy	Provides clarifications to DBE participation	0.00	0.00	0.00
0213	Southwest Station Plumbing Connection Area E	Additional hardware connection to existing drainage system	3,810.12	3,810.12	0.00
0215	Change to Specification 01 10 00 Summary for Final NTP	Update to contract documents for the NTP.	0.00	0.00	0.00
0216	Traffic Signal System "H" - CSAH 61 (Flying Cloud Dr) at Viking Dr intersection signal phasing modifications	Update signal timing at Viking Dr Intersection	0.00	0.00	0.00
0217	Update sheet for new MnDOT color based for 494 bridge	Update paint color at 494 Bridge.	0.00	0.00	0.00
0218	SB-18 Paint Revision	Change clarifies the finish requirements for bridge ornamental fencing.	0.00	0.00	0.00
0219	Intrusion detection anchor bolt clarification	Drawing clarification for mounting intrusion detection equipment.	0.00	0.00	0.00
0220	Revise Volume 8B Sheet 290	Drawing clarifications on drainage drawings.	0.00	0.00	0.00
0221	Handrail Grounding Detail	Enlarged base plate at handrail grounded locations	8,448.81	8,448.81	0.00
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	0.00
0223	SouthWest Station: Structural Steel Canopy Modifications Field Order 6	Clarification on structural details	1,012.78	1,012.78	0.00
0224	R0715 East Wingwall Reinforcement	Added clarification to specifications.	1,033.58	1,033.58	0.00
0225	11011 Smetana Road Removals - Block Walls and Hardscapes	Additional removals required.	17,800.49	17,800.49	0.00
0226	Modification to General Conditional and Supplementary Conditions	Adjusts the quantity of reinforcement for the pedestrian underpass near Boston Scientific.	0.00	0.00	0.00
0227	R0692 Drainage System - Additional Cleanouts	Additional drain clean out for the Cedar Lake Trail bridge.	2,402.93	2,402.93	0.00
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	0.00
0229	Bryn Mawr Cabinet SEC-002 (RFI-0951)	Clarification of electrical cabinet size at Bryn Mawr station.	2,119.08	2,119.08	0.00
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	0.00
0231	Clearing and Grubbing Plan Quantity Adjustment	Additional acreage cleared and trees removed.	498,556.28	498,556.28	0.00
0232	3" Conduit Bore- Valley View/TH212	Install 3" conduit for lighting at Valley View bridge.	2,765.76	2,765.76	0.00
0233	Louisiana Cellular Concrete Select Granular Fill	Place granular material as directed by geotechnical engineer.	132,916.62	132,916.62	0.00
0234	Bridge 27C06 - Epoxy Rebar Adjustments	Bill of reinforcement corrections for Bridge 27C06 at Prairie Center Drive.	56,431.15	56,431.15	0.00
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	0.00
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	0.00
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	0.00
0238	Grading Revisions at Wooddale Ave	Grading revisions between retaining wall and adjacent trail.	17,357.14	17,357.14	0.00
0239	System rail interface panel in signal cabinets	Additional information added to the signal system.	1,401.21	1,401.21	0.00
0240	RTW-E412 Additional Reinforcement Bars	Modification to reinforcing cage for a bend in the wall.	2,017.11	2,017.11	0.00
0241	Reallocation of Project Piling quantity	Adjusted unit piling bid quantity	0.00	0.00	0.00
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	0.00
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	0.00
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	0.00
0245	Additional communication cable for video detection	Added wiring for video detection cameras.	2,494.04	2,494.04	0.00
0246	Unforeseen conditions with water main work	Modifications to water main work to avoid business impact.	12,628.18	12,628.18	0.00
0247	Add Two Corrosion Test Stations	Added corrosion protection test station.	2,539.01	2,539.01	0.00
0248	Adjustments to Allowance Specification 01 21 00	Reallocation of the allowance amounts.	0.00	0.00	0.00
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	0.00
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	0.00
0251	Unforeseen Affected Businesses Involved in Water Shutdown	Modifications heat trace in the floor drains.	26,331.49	26,331.49	0.00
0252	SWS Cabinet Changes	Modification to cabinet location and size	20,648.93	20,648.93	0.00
0253	Sanitary Manholes Near Southwest Station	Modification of two manholes to reduce impact to roadway operations.	3,235.09	3,235.09	0.00
0254	Added insulated joints at Hopkins Depot	Two additional rail insulated joints required to meet requirements.	22,947.87	22,947.87	0.00
0255	Fire Suppression Standpipes	Additional standpipe to the fire suppression to meet City requirements.	36,400.40	36,400.40	0.00
0256	Modification to Southwest Mechanical Room	Adjustment to the condensing unit location.	5,112.28	5,112.28	0.00
0257	27W32 Drainage Change	Modification to drainage for the Bridge Over I-494.	853.88	853.88	0.00
0258	RTW-E418 Panel 8&9 Rebar	Rebar modifications for retaining wall.	6,306.12	6,306.12	0.00
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	0.00
0260	BMP 506 Soil Correction	Grading modifications due to unforeseen soil conditions.	1,408.21	1,408.21	0.00
0261	Proposed curb & parking lot restoration Parcel 420	Additional seeding and grading due to ROW negotiations.	7,268.21	7,268.21	0.00
0262	Modification of E316	Raises the retaining wall footing elevation	-62,253.73	-62,253.73	0.00
0263	Golden Triangle Station Hydrant Adjustment	Adjustment to station hydrant location.	9,138.75	9,138.75	0.00
0264	Bridge 27303 Backwall Extension Tie-in	Rebar detail clarification at TH 100 LRT Bridge.	1,486.55	1,486.55	0.00
0265	Soldier Pile Wall Drainage Modifications	Modifications to retaining wall drainage.	14,218.27	14,218.27	0.00
0266	Stray current test station locations at stations	Adjustment to test station locations.	61,136.07	61,136.07	0.00
0267	Additional Pushbutton Adaptors & Spacers Needed	Modifications to traffic signal push button.	25,417.00	25,417.00	0.00
0268	SWS VMS Communications Conduit	Additional conduit and wiring	19,119.54	19,119.54	0.00
0269	Luminaire Arm Style	Modification to the type of luminaire arm.	6,127.18	6,127.18	0.00
0271	Grounding at R0692 East Abutment	Modification to stray current at Cedar Lake Trake Bridge	1,423.70	1,423.70	0.00
0272	27J61 Stairs Void Space	Knee wall between footing and stairs to alleviate concrete void.	4,552.98	4,552.98	0.00
0273	Remove junction box at crossing bonding location	Remove junction boxes at three locations	-923.63	-923.63	0.00
0274	Storm sewer adjustments at Technology Drive	Adjustments to avoid existing Xcel Energy's duct bank.	3,790.07	3,790.07	0.00
0276	Bridge 27R34 (TH 212) Span 19 beam fitment	Modifications to bearing plates at the Shady Oak Bridge.	1,821.20	1,821.20	0.00
0277	SWLRT Project Partnering	Project partnering between the contractor and owner.	66,000.00	66,000.00	0.00
0278	OCS Foundation Types	Change OCS foundation to accommodate increased OCS pole height	31,210.33	31,210.33	0.00
0279	Royalston Cabinet SEC-101 and SEC-201 (RFI-0952)	Clarification to the Royalston Station electrical cabinet size.	1,735.83	1,735.83	0.00
0280	Sanitary Man Hole's 7041 & 7042	Minor changes to the manholes near Opus Station.	0.00	0.00	0.00
0281	Removing Scope of Signal LRV House Foundation	Remove the LRV signal house foundations from civil contract	-228,900.00	-228,900.00	0.00

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
0282	Cold Weather Cost - Superstructure 27C06	Protect the superstructure of Bridge 27C06 during construction during the winter.	286,832.51	286,832.51	0.00
0283	BMP-522 Revisions	Modified the storm water collection system to connect to manholes.	49,844.93	49,844.93	0.00
0284	Bridge 27C06 Spans 1-3 Transverse Reinforcement Clearance	Reinforcing changes for Prairie Center Drive bridge.	2,352.98	2,352.98	0.00
0285	Irrigation Blowout at stations (RFI- 1266)	Provides additional detail for winterization of irrigation system at all stations.	19,551.26	19,551.26	0.00
0286	Stray Current Test Box Engraved Labels	Provides test box labels for the stray current test boxes.	56,207.95	56,207.95	0.00
0287	Bridge 27R34 Span 1-6 OCS Foundation	Modifications to four OCS foundations.	2,151.41	2,151.41	0.00
0288	Contaminated Soil Disposal Oxford Area	Change will allow restricted reuse soil disposal at Louisiana.	0.00	0.00	0.00
0289	Adjust storm sewer from structure 5022 to 5023	Change to storm sewer elevation to avoid ductbank.	2,683.86	2,683.86	0.00
0290	TH 62 Light Pole Foundations	Change to light pole foundation type to accommodate salvaged lighting units.	23,387.07	23,387.07	0.00
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	0.00
0293	Reconfigure Road Sign, Eden Prairie	Modify road sign location and associated audio messaging.	2,226.81	2,226.81	0.00
0294	Extra Irrigation in median @ SW Station	Additional irrigation work due existing private irrigation system.	6,154.46	6,154.46	0.00
0295	Adjustments to watermain at Blake Avenue	Elevation change to water main to go over the pedestrian underpass	72,405.61	72,405.61	0.00
0296	Southwest Station Conduit & Handhole Locations	Modification to conduit routing at southwest parking ramp	49,029.45	49,029.45	0.00
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	0.00
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	0.00
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	0.00
0300	Bryn Mawr Ped Bridge (RFI-917)	Modifies the door pushbutton at the pedestrian bridge.	0.00	0.00	0.00
0301	BNSF Barrier Protection Wall	Remaining BNSF scope per agreement	82,604,905.17	82,604,905.17	0.00
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	0.00
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	0.00
0304	Area B Beam Reinforcing at Southwest Station	Minor reinforcing steel modification at Southwest station.	2,162.95	2,162.95	0.00
0305	SWS Elevator Cab & Door Heights	Clarification to elevators door opening dimensions	11,587.75	11,587.75	0.00
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	0.00
0307	Revised plans & specifications for Golden Triangle, City West & Southwest Stations	Change that modifies contract documations in response to city comments for three station locations.	133,827.58	133,827.58	0.00
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	0.00
0309	Signal System E mast arm modifications	Mast arm changed from 30-foot to 45-foot	31,951.24	31,951.24	0.00
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	0.00
0311	Blake Rd Construction Coordination, Hopkins	Modifications to plan sets to include updates to the field conditions	259,886.32	259,886.32	0.00
0312	Royalston Station Grounding	Additional grounding for station hand railing	13,514.26	13,514.26	0.00
0313	Downtown Hopkins Station Trail Area Soil Correction	Additional sub-cut through the area	15,453.00	15,453.00	0.00
0314	RTW-W205 Subcut	Grading modifications due to poor soil conditions.	2,639.70	2,639.70	0.00
0315	Eliminate RTW-E311	Retaining Wall E311 replaces with grading to match new sidewalk	-21,691.97	-21,691.97	0.00
0316	West 70th Street Drainage Modifications	Catch basins added along W 70th	120,283.61	120,283.61	0.00
0317	R0688 Bar Mark S507E Detail Clarification	Modifications to rebar for Minnehaha Creek Freight Bridge Deck	8,182.23	8,182.23	0.00
0318	Drainage modification at RTW-W113	Modifies drainage to avoid retaining wall footing	24,713.50	24,713.50	0.00
0319	94 Pier Protection	Modification to the 94 Pier Protection	136,000.00	136,000.00	0.00
0320	Southwest Station Revised Post Tensioned Girder (FO 80)	Modifies rebar and formwork post tensioned girder.	587.87	587.87	0.00
0321	Kenilworth Sheeting Inspection	Divers for underwater inspection during excavation.	343,700.00	343,700.00	0.00
0322	RTW-W302A Soil Correction	Subcut modifications due to poor soil conditions	5,656.49	5,656.49	0.00
0323	Bridge 27C06 Span 6 Signal Modifications	Additional reinforcing steel for the bridge signal foundation.	8,557.26	8,557.26	0.00
0324	Bridge 27C06 Span 2A Ornamental Railing Modification	Adjust railing post spacing for curb mounted Intrusion Detection.	2,665.12	2,665.12	0.00
0325	TC&W Cleanout Detail Adjustment	Change to the elevation of the track subdrain clean out	11,445.09	11,445.09	0.00
0326	Extended HPC Epoxy Limits	Change from 2' to 3' for coating at station columns	11,000.00	11,000.00	0.00
0327	R0696 Elastomeric Bearing Pad	Additional Type E1 elastomeric bearing pad assembly	5,711.85	5,711.85	0.00
0328	Drainage Modifications at West Side Soldier Pile Walls	Change clarifies the weep hole locations	-25,295.16	-25,295.16	0.00
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	0.00
0330	Add Test Station	Added test station to retaining wall.	6,524.63	6,524.63	0.00
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	0.00
0332	Traffic Signal Preemption Interface	Equipment change to traffic signal cabinets.	33,748.88	33,748.88	0.00
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	0.00
0334	TPSS site conduit modifications	Provides updates to conduits into 4 TPSS location and relocation of two manholes. Change is Part 1 and will be paid out on actuals.	10,700.00	10,700.00	0.00
0335	Beltline Park and Ride Lot Removal	Removal of Beltline Park-and-Ride allowance.	-2,542,153.61	-42,153.61	0.00
0336	Kenilworth Lift Station location	Modification to maintenance pad, tunnel lift station and the control panel location.	17,779.60	17,779.60	0.00
0337	Bryn Mawr Station Area Contaminated Dewatering	Due to unforeseen field conditions, the discharging to sanitary sewer is no longer an option as shown on plans. Change is Part 1 and will be paid out on actuals.	327,100.00	327,100.00	0.00
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	0.00
0339	Geoblock Designation	Modifies rigid insulation to Geofam blocks.	345,216.25	345,216.25	0.00
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	0.00
0341	RTW-E416 rebar bend details	Rebar modifications to retaining wall	0.00	0.00	0.00
0342	Lake Street Pier Protection Lighting	Modifications to conduit and wiring on bridge plans.	25,958.33	25,958.33	0.00
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	0.00
0344	Revised Temporary Trail 4	Temporary pedestrian trail	104,461.55	104,461.55	0.00
0345	Vertical Circulation Area Platform Grounding Plan Revisions	Added grounding not shown in contract documents	519,347.34	519,347.34	0.00
0346	Pedestrian Tunnel lighting modifications	Added conduit, wire and handhole for pedestrian tunnel lighting	43,581.64	43,581.64	0.00
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	0.00
0348	Southwest Station Lifting Hook Details	Added plan detail for placement of lifting hooks	5,806.87	5,806.87	0.00
0349	27W34 Backwall Rebar	Modifications to rebar for TH 100 freight bridge	1,226.10	1,226.10	0.00
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	0.00
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	0.00
0352	Design Refinements Near EPTC	Deletion of retaining walls and pedestrian walkway	-99,228.63	-99,228.63	0.00
0353	Additional Contaminated Soil	Additional contaminated soils disposal quantity	21,155,890.00	21,155,890.00	0.00
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	0.00
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	0.00
0356	Retaining wall W129 removals and restoration	Removals and installation of temporary access for Cascade Apartments	23,429.84	23,429.84	0.00
0357	RTW-E404 wall reinforcement modifications	Reinforcement modifications required	19,184.98	19,184.98	0.00

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
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	0.00
359	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	0.00
0360	Truck Hauling in West Lake Station Area	Additional soil hauling required at West Lake Station	85,000.00	85,000.00	0.00
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	0.00
0362	27C17 Drilled Casing Obstructions	Encountered obstructions while drilling permanent casings for Glenwood East Br	7,971.59	7,971.59	0.00
0363	Surface mounted luminaires and access panels	Change to recessed luminaires and surface mounted access panel	7,521.46	7,521.46	0.00
0364	Over Excavation between Minnehaha and Blake	Additional grade subcut is required due to organic soil materials	31,730.25	31,730.25	0.00
365	Town Center Station Subcut	Soil correction at Town Center Station	67,910.18	67,910.18	0.00
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	0.00
367	Bridge 27C06 OCS Anchor Bolt Length Modifications	Anchor bolt length increased to accommodate OCS pedestal height	55,647.54	55,647.54	0.00
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	0.00
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	0.00
370	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	0.00
0371	Relocate pedestrian signal flasher	Pedestrian signal flasher relocation due to poor soils	2,535.39	2,535.39	0.00
0372	Soil Correction at Hopkins Station Drop-off Area	Removal of organic/unusable soils and replacement with suitable soils at Hopkins Station Drop-off	17,956.45	17,956.45	0.00
0373	R0686 (Minnetonka Hopkins Bridge) pier 25 beam / stem wall	Change the beams to avoid stem wall	0.00	0.00	0.00
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	0.00
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	0.00
0376	Bridge 27C06 OCS Location Modifications Span 14-16	Relocate OCS bolts to avoid conflict with bridge girders	18,972.19	18,972.19	0.00
0377	Kenilworth Tunnel - Secant Wall	Part 1 change to mobilize drilling equipment to minimize secant wall schedule impacts	543,500.00	543,500.00	0.00
0378	Eden Road / Redstone driveway area	Storm sewer drain and sidewalk modifications	8,236.23	8,236.23	0.00
0379	Station Canopy VMS Flex Conduit Adjustments (FO 93)	Additional conduit connection at Visual Message Signs	2,476.85	2,476.85	0.00
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	0.00
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	0.00
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	0.00
0386	Dewatering Work at Southwest Station	Dewatering necessary to install tire aggregate fill at SW station. Change is Part 1 and will be paid out on actuals.	60,100.00	60,100.00	0.00
0387	TH 62 Storm Pump Hatch Opening Modification	Modifies hatch opening to accommodate pump removal	20,470.00	20,470.00	0.00
0390	Track Upgrades within Work Windows	Contractor to work in windows agreed to by COUNCIL and TCWR.	57,040.00	57,040.00	0.00
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	0.00
0394	MN&S Shaft #5 Conflict with Unknown Utilities	Modification to pier protection to avoid utilities	63,399.14	63,399.14	0.00
Total			161,705,924.87	136,432,735.63	27,773,189.24

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
Project Name: SWLRT Franklin O&M Design and Construction					
001	Franklin Temporary Sanding Modifications	Additional scope for West Runner track and connections to the temp sanding.	129,112.32	129,112.32	0.00
002	Specification 01 10 00 for LNTP 2	Update to LNTP cost and durations.	0.00	0.00	0.00
003	Specification 01 10 00 Summary for FNTP	Update to contract cost and duration for FNTP.	0.00	0.00	0.00
004	Schedule of Values Extension	Extending the use of the SOV for pay application	0.00	0.00	0.00
005	Foundation Modification	Modification to Support of Excavation (SOE) and added helical piers scope	-44,800.00	-44,800.00	0.00
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	0.00
007	RFI 46 - New Lockers Area B	Purchase of additional lockers for locker room.	22,737.60	22,737.60	0.00
008	Aluminum Panel Thickness	Change in aluminum panel gauge for exterior walls of RCC.	-71,331.75	-71,331.75	0.00
009	RFI 40 and 41 Additional Costs	Mechanical duct modification due to door opening obstructing.	14,256.17	14,256.17	0.00
010	Sanitary Sewer Invert and Pumped Sewer Modifications	Plumbing modification piping inverts connection, routing and pump models	70,767.13	70,767.13	0.00
011	Franklin West Runner Advanced Design	Additional overhead catenary system (OCS) and roadway improvements	320,547.21	320,547.21	0.00
012	Removal of SC-805 Ductbank	Ductbank SC-805 is not required for the completion of contract.	-11,131.68	-11,131.68	0.00
013	Added West Runner Section Insulator and Disconnects	Additional sectionalization to lessen construction impacts to Metro Transit operations.	38,931.33	38,931.33	0.00
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.	30,000.00	30,000.00	0.00
015	Additional Work at Paint Booth Ceiling/Head and Gridline C	Additional metal studs and gypsum board installation.	28,971.24	28,971.24	0.00
016	Impacts Due to Work Windows for W. 17th	Additional labor cost to avoid operation impacts.	35,314.41	35,314.41	0.00
017	Relocation of OCS Foundations in the North and South Yards	Relocation of two OCS foundations	20,911.30	20,911.30	0.00
018	Additional Layer of Insulation for Section Insulators	Existing OCS section insulator required second layer of insulation	22,406.45	22,406.45	0.00
019	FKE 22 OCS Cantilever Arm Extended Offset	Extended offset for OCS arm assembly	9,812.25	9,812.25	0.00
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	0.00
021	Lowering Bridge Crane Running Beam	Change to lower the bridge crane running beam at M1 Track.	65,000.00	65,000.00	0.00
022	OCS Baseplate Encasement	Encasement of OCS baseplates in grout to protect from corrosion.	29,640.11	29,640.11	0.00
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	0.00
024	Modification of HVAC for the Car Wash Mechanical Room (Rm 129)	Removal of HRV-5 and all associated work from the project contract.	-77,236.75	-77,236.75	0.00
025	Modification of Overhead Door Installation	Modifications to overhead coiling doors.	1,410.65	1,410.65	0.00
026	Wash/Sanding Bay Duct Relocation	Modifications to stainless duct to avoid existing piping.	22,733.50	22,733.50	0.00
027	Water Pump Valve Removals	Removal of motorized valves due to manufactures information	-15,667.14	-15,667.14	0.00
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	0.00
029	Added Parapet Blocking	Additional material and labor for wood blocking	1,494.19	1,494.19	0.00
030	FOMF RCC Video Wall Power Loading	Moving the non-critical power loading off back UPS power system	20,000.00	20,000.00	0.00
032	New OCS Assemblies Required to Replace Existing	Replacement of OCS arms/connections along the M6 track.	16,378.90	16,378.90	0.00
033	Rooftop Mechanical Duct Clarifications	Rerouting of ductwork outside of the Electrical Room.	7,485.95	7,485.95	0.00
034	Added Beam in Area K for Fall Protection	Added safety beam and connection detail in Area K.	13,776.55	13,776.55	0.00
035	Cutting of Steel Tube at RCC Link	Steel tube change between door jambs at RCC link.	1,446.00	1,446.00	0.00
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	0.00
037	Modifications to Waste Line from RCC Restrooms	Elimination of waste line from RCC restrooms.	-13,552.94	-13,552.94	0.00
038	Clarification of Rail Apron Sections	Change in track type for north building LRV entrance.	45,451.89	45,451.89	0.00
039	Modification to Headspan in West Yard	Modification to OCS headspan support from cantilever arm system.	45,439.57	45,439.57	0.00
040	M2, M3, M4 Mono-Rail and Mechanical Duct Modifications	Modifications to monorail crane run-out beams and mechanical ductwork in maintenance bays.	25,000.00	25,000.00	0.00
041	Added Drywall at Gridline C Between Grids 16 and 24	Added gypsum board along Gridline C.	7,147.49	7,147.49	0.00
042	Removal of Underground Obstructions at Vehicle Hoist Pits	Removal of underground obstructions.	10,520.39	10,520.39	0.00
043	Elimination of Feeders for Wash Equipment	Modification to distribution panel, conduits, disconnects, and branch circuits for power to wash equipment.	3,575.32	3,575.32	0.00
044	Electrical Adjustments	Electrical changes to eliminate manhole conflict with proposed track	40,095.23	40,095.23	0.00
045	RCC Temporary Power for Server Room	Rental, setup, and takedown of temporary power for RCC Server Room.	150,000.00	150,000.00	0.00
046	FKE 07 OCS Pole Changes	Modified OCS pole and foundation to avoid overhead bridge.	9,381.25	9,381.25	0.00
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	0.00
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	0.00
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	0.00
050	Removal of Energy and Flow Meters	Removal of flow meters from project scope.	-2,965.89	-2,965.89	0.00
051	Removal of Underground Obstruction at OCS foundation	Removal of storm sewer structure to install OCS foundation	5,863.23	5,863.23	0.00
057	Added Walkway Pavers to M6 Roof	Additional walkway pavers for M6 sanding bay roof.	4,166.64	4,166.64	0.00
058	M6 OCS Disconnect Switch Clearance	Rotate OCS disconnect switch to meet code-required access clearance	2,690.83	2,690.83	0.00
Total			1,139,798.14	1,139,798.14	0.00

Change Order Number	Title	Summary Description	Final CHG Amount	Change in Contingency	Budgeted Cost
Project Name: SWLRT OMF Building Demolition					
0001	Additional Site Fencing	Additional fencing on south side of OMF/RSF site.	15,774.92	15,774.92	0.00
0002	Allowance Reconciliation	The change order is to reconciliation contract allowance value for contract closeout.	-50,861.10	-50,861.10	0.00
Total			-35,086.18	-35,086.18	0.00
Project Name: SWLRT 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	0.00
0002	Delete Moline Scope	Removal for communication equipment and signs for garage at Moline location	-235,617.60	-235,617.60	0.00
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	0.00
0004	Counting Loop at Southwest Station	Counting system to parking structure at Southwest station.	158,190.19	158,190.19	0.00
0005	Bren Rd Gate Down Foundation and Beltline Junction Boxes	Install signal foundation and associated conduit	19,530.60	19,530.60	0.00
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	0.00
0007	LNTP summary 01 10 00 specification change	Change to the LNTP for the contract.	0.00	0.00	0.00
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	0.00
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	0.00
0010	Track Transformer and Coupler Cases	Addition of Coupler Cases to support the cable length	724,272.74	724,272.74	0.00
0011	Tunnel Ventilation Fan Control System Programmable Logic Controller Features	Added a functional redundant PLC design	228,273.31	228,273.31	0.00
0012	R2G Connection	Moved conductor in TPSS for safer maintenance.	43,937.41	43,937.41	0.00
0013	LNTP 3 summary 01 10 00 specification change	Updated LNTP cost and duration.	0.00	0.00	0.00
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	0.00
0015	LNTP 4 summary 01 10 00 specification change	Updated LNTP cost and duration.	0.00	0.00	0.00
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	0.00
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	0.00
0018	01 10 00 Summary Updates for LNTP #5	Change extends the LNTP cost and duration.	0.00	0.00	0.00
0019	Change to Specification 01 10 00 Summary for Final NTP	Updated contract to add Final Notice to Proceed (FNTP)	0.00	0.00	0.00
0021	Franklin Yard TPSS 15B Communication Equipment	Clarification of fiber optic connections impacted due to the equipment type.	27,048.82	27,048.82	0.00
0022	RSV Cable Deduct	Removal of wiring and termination block equipment	-29,222.51	-29,222.51	0.00
0024	3D Modeling for Tight Guideway Conditions	Clearance evaluation for balance weight assembly due to space constraints	38,246.79	38,246.79	0.00
0025	Crossing Overlay Circuit and Coupler Case Modifications	Addition of Coupler Cases to support the cable length	444,266.13	444,266.13	0.00
0026	Switch Heater Cabinet Power Disconnect Modification	Change to the fuse disconnect installation for the switch heater cabinet	13,801.82	13,801.82	0.00
0027	Local storage for manufactured products	Provide local storage for a period of 3 years.	8,970,000.00	8,970,000.00	0.00
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	0.00
Total			10,814,387.57	10,814,387.57	0.00