



July 22, 2022

SCHEDULE EVALUATION – PROJECTS – 1310-10-70, 71, 74 – STH 50

Summary Comparison

The chart below summarizes the contract completion variance.

Schedule	Data Date	Contract Completion	Schedule Completion	Baseline Variance	Contract Variance
BL04	09Dec20	01May23	25Apr23	n/a	6
UP 15	01Jul22	01May23	25Apr23	0	6

Section 1: Milestone Analysis

Intermediate Milestones

Activity Name	Activity ID	Contract Date	UP 14 Date	UP 15 Date	Contract Variance
EB Ramps – 77 th Ave Completion	Milestone 1040	29Jul21 14Aug21	20Oct21A	20Oct21A	-67
Stage 3 Completion	Milestone 1050	04Nov21 03Apr22	01Apr22A	01Apr22A	2
WB Ramps – 77 th Ave Completion	Milestone 1060	29Sep22	03Aug22	22Aug22	38
Stage 8 Completion	Milestone 1090	03Nov22	19Dec22	08Dec22	-35

Limited Duration Closures

Activity Name	Activity ID	Contract Duration	UP 14 Duration	UP 15 Duration	Contract Variance
Stage 3A – 88 th Avenue	Milestone 1000 Milestone 1010	30 44	45	45	-1
Service Road A	Milestone 1020 Milestone 1030	20			
Stage 4B – 60 th Avenue	Milestone 1070 Milestone 1080	20	68	81	-61

Section 2: Longest Path / Critical Activities / Float Paths

Longest Path: The Longest Path report was generated using the longest path filter in Primavera. The report shows the sequence of related activities from the data date to the last activity in the schedule that takes the longest time to complete. Appendix A shows the longest path.

Critical Activities: The Critical Activities report show all activities that have a total float value of 5 days or less. Appendix B shows the critical activities.



July 22, 2022

Section 3: Technical Issues

Activities without Predecessors: The project start milestone in a CPM schedule can be the only activity without a logical predecessor. All other activities must be assigned an appropriate predecessor relationship. The activities listed below must be assigned a proper predecessor relationship in this schedule.

ACTIVITIES WITHOUT PREDECESSORS			
ACT	DUR	FLOAT	TITLE
5A1 60th-31 1210	6	-22	SS Str 2315,2408 Fabrication (MQ Stage 6 Inlets)
5A1 60th-31 1220	5	-21	Watermain Relocation at SS Str. 2315

Section 4: Activity Status

Team Comments:

Any construction items not accounted for are considered incidental to the tasks provided for in the baseline and shall not be added later.

All technical issues noted in Section 3 of this review must be addressed in the next submittal.

Narrative provided with the schedule update needs to include more details on the changes made to the schedule. These additional details included, but are not limited to, the items listed below:

- Brief description of monthly progress, change to the critical path, sources of delay, potential problems, work planned for the next month, and changes to the CPM schedule
- Describe in detail changes to the schedule logic including addition and deletion of activities and changes to activity descriptions, original durations, relationships, constraints, calendars, or previously recorded actual dates.
- Justify changes to the CPM schedule in the narrative by describing associated changes in the planned methods or manner of performing the work or changes in the work itself.

General Comments:

Stage 4A

- SRB-SRC
 - 4A Rd B to Rd C 1060 Mainline Paving – Explain delay to anticipated new start date.
 - 4A Rd B to Rd C 1010 Storm Sewer & Removals – The work for this activity was completed weeks prior to the data date or the finish date shown of 7/5. Thus, this activity is not an explanation for 1060 Mainline Paving having a delayed start.

Stage 4A Structures

- B-30-132 and R 51/53 Westbound UPRR
 - Superstructure – 4 B132 Super 1080 HMA Pavement Approach Slab – Correct/update starting date. Concrete pavement needs to be completed prior to this HMA approach slab.



July 22, 2022

Stage 5A1

- WB 50 – East Limits to 52nd
 - 7A 52-East 1240 & 1230 SS Str. 2819 (MQ Stage 6 Inlet) – No justifiable delay due to the following: 1) Storm structures are shown on multiple plan sheets other than just Miscellaneous Quantity Sheets thus ample information available to plan ahead. 2) Aggregate placement was not finished, nor mainline paver scheduled due to non-project related reasons.
 - 7A52-East 1220 Storm Sewer West of UPRR – As of the date of this review, still no delay due to lack of contractor progress for aggregate placement and mainline paving.
- WB 50 – 52nd to 328+00
 - 7A57-52 1140 & 1150 SS Str 2456/2459C (MQ Stage 6 Inlets) – No justifiable delay due to the following: 1) Storm structures are shown on multiple plan sheets other than just Miscellaneous Quantity Sheets thus ample information available to plan ahead. 2) Aggregate placement was not finished, nor mainline paver scheduled due to non-project related reasons.
- WB 50 – 328+00 to 60th
 - 5A1 328-60th 1160 & 1170 SS Str 2442/2442A (MQ Stage 6 Inlets) – No justifiable delay due to the following: 1) Storm structures are shown on multiple plan sheets other than just Miscellaneous Quantity Sheets thus ample information available to plan ahead. 2) Aggregate placement was not finished, nor mainline paver scheduled due to non-project related reasons.
- WB 50 – 60th to STH 31
 - 5A1 60th–31 1210 & 1230 SS Str 2315,2408 (MQ Stage 6 Inlets) – No justifiable delay due to the following: 1) Storm structures are shown on multiple plan sheets other than just Miscellaneous Quantity Sheets thus ample information available to plan ahead. 2) Aggregate placement was not finished, nor mainline paver scheduled due to non-project related reasons.
 - Where is the delay shown in the schedule for storm sewer due to redesign to accommodate 201 & 202 wall construction prior to storm sewer?
 - 5A1 60th–31 1220 Watermain Relocation at SS Str. 2315 – This segment was not even trimmed prior to KWU's 20 LF WM relocation and subsequent inlet placement thus no justifiable delay.
- WB 50 – STH 31 to 70th
 - 5A1 31 – 70th 1160 Breaker Run & 1040 Base Course – Note: Delayed start due to contractor's lack of resources.
- WB 50 – 70th to 73rd
 - 5A1 70th to 73rd 1190 TDS Handhole Adjusted During Construction – This activity should be revised to reflect actual work rather than attempt to disguise mainline paver delayed start due to other commitments/reasons.
- EB 50 – 52nd to 49th
 - 5A 52nd to 49th 1030 thru 1090 – Approximate six weeks delayed start due to contractor's forces elsewhere.



July 22, 2022

- 60th Ave South
 - 5A S. 60th NB 1030 Storm Sewer & KWU Watermain – Note: Delayed start due to contractor’s lack of resources.

Stage 5B

- 70th Ave
 - 5C1 70th Ave 1130 HMA, 1090 Topsoil & 1100 Restoration and Signs – Review sequence to coordinate with mainline work as starting 1130 on August 1st appears more realistic.
- STH 31 Median
 - 5B STH 31 1020 Common & 1030 Breaker Run – The durations and/or finish dates for these two activities were delayed by the contractor to work on STH 50 (57th Ave) rather than STH 31.
- 57th North
 - 5B 57th 1010 Common & 1020 Breaker Run – Update activity dates to reflect actual which should have been known during this update.

Section 5: Conclusions and Recommendations

The narrative mentions possible delays to mainline paving and if delays occur, the section between 70th to STH 31 will be on time per CPM. However, there’s no mention of any potential effects for work east of STH 31. The narrative also does not mention the delays caused by aggregate placement throughout the project. Due to aggregate placement lagging throughout, the issues mentioned in the narrative such as storm sewer conflicts, storm sewer issues, water main relocation, and storm structures called out in Stage 6 within the Miscellaneous Quantities, do not have an impact to the schedule.

To date, aggregate placement is still lagging, and mainline paving has been delayed even longer due to non-project related reasons. These lagging activities are due to contractor delays.

The contractor’s forecasted Stage 8 interim milestone date exceeds the contract specified date. Contractor shall consider adjusting work calendars, activity durations, work crews, resources, or other schedule parameters to recover time. The CPM schedule should illustrate the planned efforts being put forth and the effect of those efforts in recovering time. Include comments in the narrative explaining the contractor’s plan to recover time for the milestone date.

It is the Department’s recommendation that this update schedule be revised and resubmitted.

This schedule update reflects that Stage 8 Interim Completion is anticipated to be completed by December 8, 2022, which is beyond the November 3rd interim completion date for STH 50. This milestone has not been granted any additional time and is subject to liquidated damages.

The schedule review does not change the terms and conditions of the contract documents. Contract intermediate and final milestone completion dates remain unchanged.



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Craig Thompson, Secretary**

July 22, 2022

Section 6: Appendix/Exhibits

Appendix A: Longest Path

Appendix B: Critical Activities (TF \leq 5)

STH 50 Kenosha 2021-2023		1310-10-70 - STH 50 - Longest Path						2022										2023											
Activity ID	Activity Name	OD	RD	% Comp	Start	Finish	Total Float	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
STH 50 Kenosha 2021-2023		207	207	0%	01-Jul-22	25-Apr-23	0																						
Milestones		139	139	0%	08-Dec-22	25-Apr-23	0																						
Milestone 1090	Stage 8 Interim Completion (12:01, November 4, 2022)	0	0	0%		08-Dec-22*	-35																						
Milestone 1130	Winter Shutdown 2022 - 2023	83	83	0%	08-Dec-22	28-Feb-23	0																						
Milestone 1100	Project Completion (12:01am, May 1, 2023)	0	0	0%		25-Apr-23*	0																						
Construction		207	207	0%	01-Jul-22	25-Apr-23	0																						
1310-10-70 - STH 50 - IH 94 to 74th Ave		40	40	0%	01-Mar-23	25-Apr-23	0																						
Spring 2023		40	40	0%	01-Mar-23	25-Apr-23	0																						
2023 1000	Traffic Control (CTC)	10	10	0%	01-Mar-23	14-Mar-23	0																						
2023 1020	Final Restoration (Arbor)	15	15	0%	15-Mar-23	04-Apr-23	0																						
2023 1010	Final Pavement Marking (Mega)	15	15	0%	05-Apr-23	25-Apr-23	0																						
1310-10-71 - STH 50 - 74th Ave to 43rd Ave		207	207	0%	01-Jul-22	25-Apr-23	0																						
Stage 5		36	36	0%	01-Jul-22	17-Aug-22	-22																						
Stage 5A1		36	36	0%	01-Jul-22	17-Aug-22	-22																						
WB 50 - 328+00 to 60th		29	29	0%	13-Jul-22	17-Aug-22	-22																						
5A1 328-60th 1150	Breaker Run Top, 1000 T & Underdrain (ZC)	1	1	0%	13-Jul-22	14-Jul-22	-22																						
5A1 328-60th 1040	Base Course, 2750 T (ZC)	3	3	0%	14-Jul-22	18-Jul-22	-22																						
5A1 328-60th 1050	ML Pavement, 24' Wide, 3550 SY (ZC)	5	5	0%	18-Jul-22	23-Jul-22	-22																						
5A1 328-60th 1060	L3 Pavement, 17', 1325 SY (ZC)	5	5	0%	23-Jul-22	29-Jul-22	-22																						
5A1 328-60th 1080	Curb and Gutter, 1300' (ZC)	6	6	0%	29-Jul-22	06-Aug-22	-22																						
5A1 328-60th 1100	Grade and Pour Sidewalk, 105 CY (ZC)	6	6	0%	06-Aug-22	13-Aug-22	-22																						
5A1 328-60th 1110	Topsoil, 1400 SY (Musson)	1	1	0%	13-Aug-22	15-Aug-22	-22																						
5A1 328-60th 1120	Restoration and Signs, 1400 SY (Arbor)	2	2	0%	15-Aug-22	17-Aug-22	-22																						
WB 50 - 60th to STH 31		7	7	0%	01-Jul-22	13-Jul-22	-22																						
5A1 60th-31 1210	SS Str 2315,2408 Fabrication (MQ Stage 6 Inlets)	6	6	0%	01-Jul-22	12-Jul-22	-22																						
5A1 60th-31 1100	Breaker Run Top, 1000 T & Underdrain (ZC)	1	1	0%	12-Jul-22	13-Jul-22	-22																						
5A1 60th-31 1230	SS Str 2315,2408 (MQ Stage 6 Inlets)	1	1	0%	12-Jul-22	13-Jul-22	-22																						
Stage 6		61	61	0%	17-Aug-22	10-Nov-22	-22																						
Stage 6A1		61	61	0%	17-Aug-22	10-Nov-22	-22																						
6A1 1000	Traffic Switch to 6A1 at STH 31 (CTC)	1	1	0%	17-Aug-22	18-Aug-22	-22																						
6A1 1010	Erosion Control (Arbor)	1	1	0%	17-Aug-22	18-Aug-22	-22																						
6A1 1020	Remove Commercial Signs, 10 EA (Badger)	2	2	0%	18-Aug-22	20-Aug-22	-22																						
STH 31 to 60th		60	60	0%	18-Aug-22	10-Nov-22	-22																						
6A1 31 to 60 1000	Saw & Removing Pavement, 12,000 SY (Mldstate & Musson)	4	4	0%	18-Aug-22	23-Aug-22	-22																						
6A1 31 to 60 1170	Common X,Breaker, Elec X-ings for 31 Intersection	2	2	0%	20-Aug-22	23-Aug-22	-22																						
6A1 31 to 60 1190	Storm Sewer 2219-2215A, 2212A-2215C, 2215-2214, 7 EA (Musson)	3	3	0%	23-Aug-22	26-Aug-22	-22																						
6A1 31 to 60 1020	Common X, 9,000 CY (Musson)	5	5	0%	23-Aug-22	30-Aug-22	-22																						
6A1 31 to 60 1200	Base Course & Loops at Intersection (ZC & PRO)	1	1	0%	26-Aug-22	29-Aug-22	-22																						
6A1 31 to 60 1150	Handpours for Switches, HES 200 CY (ZC)	6	6	0%	29-Aug-22	07-Sep-22	-22																						
6A1 31 to 60 1030	Breaker Run, 9,400 T (ZC)	5	5	0%	30-Aug-22	07-Sep-22	-22																						
6A1 31 to 60 1010	Storm Sewer & Removals, 33 Each (Musson)	11	11	0%	08-Sep-22	22-Sep-22	-22																						
6A1 31 to 60 1180	Breaker Run Top, 2,000 T & Underdrain (ZC)	2	2	0%	23-Sep-22	26-Sep-22	-22																						
6A1 31 to 60 1040	Base Course, 5900 T (ZC)	6	6	0%	27-Sep-22	04-Oct-22	-22																						
6A1 31 to 60 1060	ML Pavement L3/L4, 24' Wide, 4000 SY (ZC)	6	6	0%	05-Oct-22	12-Oct-22	-22																						
6A1 31 to 60 1070	ML Pavement L1/L2, 24' Wide, 2900 SY (ZC)	5	5	0%	10-Oct-22	14-Oct-22	-22																						
6A1 31 to 60 1090	Curb and Gutter, 3300' (ZC)	8	8	0%	17-Oct-22	26-Oct-22	-22																						
6A1 31 to 60 1110	Grade and Pour Sidewalk, 120 CY (ZC)	7	7	0%	27-Oct-22	04-Nov-22	-22																						
6A1 31 to 60 1120	Topsoil, 4400 SY (Musson)	2	2	0%	07-Nov-22	08-Nov-22	-22																						
6A1 31 to 60 1130	Restoration and Signs, 4400 SY (Arbor)	2	2	0%	09-Nov-22	10-Nov-22	-22																						
60th to 52nd		60	60	0%	18-Aug-22	10-Nov-22	-22																						
6A1 60 TO 52 1000	Saw & Removing Pavement, 12,200 SY (Mldstate & Musson)	4	4	0%	18-Aug-22	23-Aug-22	-22																						



STH 50 Kenosha 2021-2023 **1310-10-70 - STH 50 - Longest Path**

Activity ID	Activity Name	OD	RD	% Comp	Start	Finish	Total Float	2022				2023												
								Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
7ASTH31 1060	Median Sidewalk, 300 CY (ZC)	6	6	0%	23-Nov-22	05-Dec-22	-22																	
7ASTH31 1070	Topsoil, Restoration, and Signs 3000 SY (Musson/Arbor)	3	3	0%	05-Dec-22	08-Dec-22	-22																	
Spring 2023		40	40	0%	01-Mar-23	25-Apr-23	0																	
Spring 2023 1000	Traffic Control (CTC)	10	10	0%	01-Mar-23	14-Mar-23	0																	
Spring 2023 1010	Final Restoration (Arbor)	15	15	0%	15-Mar-23	04-Apr-23	0																	
Spring 2023 1020	Final Pavement Marking (Mega)	15	15	0%	05-Apr-23	25-Apr-23	0																	

■ Actual Work ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

STH 50 Kenosha 2021-2023 1310-10-70 - STH 50 - Critical Activities (TF <= 5)

Activity ID	Activity Name	OD	RD	% Comp	Start	Finish	Total Float	2022												2023					
								Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
5A1 328-60th 1170	SS Str 2442/2442A (MQ Stage 6 Inlets)	1	1	0%	12-Jul-22	13-Jul-22	-21	■ SS Str 2442/2442A (MQ Stage 6 Inlets)																	
5A1 328-60th 1150	Breaker Run Top, 1000 T & Underdrain (ZC)	1	1	0%	13-Jul-22	14-Jul-22	-22	■ Breaker Run Top, 1000 T & Underdrain (ZC)																	
5A1 328-60th 1040	Base Course, 2750 T (ZC)	3	3	0%	14-Jul-22	18-Jul-22	-22	■ Base Course, 2750 T (ZC)																	
5A1 328-60th 1050	ML Pavement, 24' Wide, 3550 SY (ZC)	5	5	0%	18-Jul-22	23-Jul-22	-22	■ ML Pavement, 24' Wide, 3550 SY (ZC)																	
5A1 328-60th 1060	L3 Pavement, 17', 1325 SY (ZC)	5	5	0%	23-Jul-22	29-Jul-22	-22	■ L3 Pavement, 17', 1325 SY (ZC)																	
5A1 328-60th 1070	Integral Widening, 8', 275 SY (ZC)	4	4	0%	29-Jul-22	04-Aug-22	-14	■ Integral Widening, 8', 275 SY (ZC)																	
5A1 328-60th 1080	Curb and Gutter, 1300' (ZC)	6	6	0%	29-Jul-22	06-Aug-22	-22	■ Curb and Gutter, 1300' (ZC)																	
5A1 328-60th 1090	Hand Pours, 130 CY (ZC)	5	5	0%	06-Aug-22	12-Aug-22	-21	■ Hand Pours, 130 CY (ZC)																	
5A1 328-60th 1100	Grade and Pour Sidewalk, 105 CY (ZC)	6	6	0%	06-Aug-22	13-Aug-22	-22	■ Grade and Pour Sidewalk, 105 CY (ZC)																	
5A1 328-60th 1110	Topsoil, 1400 SY (Musson)	1	1	0%	13-Aug-22	15-Aug-22	-22	■ Topsoil, 1400 SY (Musson)																	
5A1 328-60th 1120	Restoration and Signs, 1400 SY (Arbor)	2	2	0%	15-Aug-22	17-Aug-22	-22	■ Restoration and Signs, 1400 SY (Arbor)																	
WB 50 - 60th to STH 31		49	34	30.61%	30-Jun-22A	15-Aug-22	-20																		
5A1 60th-31 1030	Pour 201 and 202 Concrete Cap (ZC)	6	6	0%	30-Jun-22A	12-Jul-22	0	■ Pour 201 and 202 Concrete Cap (ZC)																	
5A1 60th-31 1110	Electrical Crossings (Pro)	2	2	0%	01-Jul-22	06-Jul-22	-6	■ Electrical Crossings (Pro)																	
5A1 60th-31 1220	Watermain Relocation at SS Str. 2315	5	5	0%	01-Jul-22	11-Jul-22	-21	■ Watermain Relocation at SS Str. 2315																	
5A1 60th-31 1210	SS Str 2315,2408 Fabrication (MQ Stage 6 Inlets)	6	6	0%	01-Jul-22	12-Jul-22	-22	■ SS Str 2315,2408 Fabrication (MQ Stage 6 Inlets)																	
5A1 60th-31 1100	Breaker Run Top, 1000 T & Underdrain (ZC)	1	1	0%	12-Jul-22	13-Jul-22	-22	■ Breaker Run Top, 1000 T & Underdrain (ZC)																	
5A1 60th-31 1230	SS Str 2315,2408 (MQ Stage 6 Inlets)	1	1	0%	12-Jul-22	13-Jul-22	-22	■ SS Str 2315,2408 (MQ Stage 6 Inlets)																	
5A1 60th-31 1090	Base Course, 3700 T (ZC)	4	4	0%	13-Jul-22	18-Jul-22	-20	■ Base Course, 3700 T (ZC)																	
5A1 60th-31 1130	ML Pavement L1/L2, 24' Wide, 3900 SY (ZC)	5	5	0%	18-Jul-22	23-Jul-22	-20	■ ML Pavement L1/L2, 24' Wide, 3900 SY (ZC)																	
5A1 60th-31 1120	ML Pavement L3/L4, 24' Wide, 4300 SY (ZC)	6	6	0%	23-Jul-22	01-Aug-22	-20	■ ML Pavement L3/L4, 24' Wide, 4300 SY (ZC)																	
5A1 60th-31 1150	Curb and Gutter, 1600' (ZC)	4	4	0%	01-Aug-22	05-Aug-22	-20	■ Curb and Gutter, 1600' (ZC)																	
5A1 60th-31 1140	Integral Widening, 8' and 20', 1350 SY (ZC)	5	5	0%	01-Aug-22	06-Aug-22	-15	■ Integral Widening, 8' and 20', 1350 SY (ZC)																	
5A1 60th-31 1200	Signal Bases (Pro)	5	5	0%	05-Aug-22	11-Aug-22	-18	■ Signal Bases (Pro)																	
5A1 60th-31 1170	Grade and Pour Sidewalk, 125 CY (ZC)	6	6	0%	05-Aug-22	12-Aug-22	-20	■ Grade and Pour Sidewalk, 125 CY (ZC)																	
5A1 60th-31 1160	Hand Pours, 140 CY (ZC)	6	6	0%	05-Aug-22	12-Aug-22	-19	■ Hand Pours, 140 CY (ZC)																	
5A1 60th-31 1180	Topsoil, 1100 SY (Musson)	1	1	0%	12-Aug-22	13-Aug-22	-20	■ Topsoil, 1100 SY (Musson)																	
5A1 60th-31 1190	Restoration and Signs, 1100 SY (ZC)	1	1	0%	13-Aug-22	15-Aug-22	-20	■ Restoration and Signs, 1100 SY (ZC)																	
WB 50 - STH 31 to 70th		50	26	48%	27-Jun-22A	05-Aug-22	-12																		
5A1 31-70th 1160	Breaker Run Top, 1000 T & Underdrain (ZC)	1	1	0%	27-Jun-22A	05-Jul-22	-17	■ Breaker Run Top, 1000 T & Underdrain (ZC)																	
5A1 31-70th 1040	Base Course, 2200 T (ZC)	4	4	0%	30-Jun-22A	11-Jul-22	-12	■ Base Course, 2200 T (ZC)																	
5A1 31-70th 1070	ML Pavement L1/L2, 24' Wide, 2920 SY (ZC)	4	4	0%	11-Jul-22	15-Jul-22	-12	■ ML Pavement L1/L2, 24' Wide, 2920 SY (ZC)																	
5A1 31-70th 1060	ML Pavement L3/L4, 24' Wide, 2920 SY (ZC)	4	4	0%	15-Jul-22	20-Jul-22	-12	■ ML Pavement L3/L4, 24' Wide, 2920 SY (ZC)																	
5A1 31-70th 1090	Curb and Gutter, 400' (ZC)	3	3	0%	20-Jul-22	23-Jul-22	-12	■ Curb and Gutter, 400' (ZC)																	
5A1 31-70th 1080	Integral Widening, RT, 8' and 20', 1500 SY (ZC)	5	5	0%	20-Jul-22	26-Jul-22	-6	■ Integral Widening, RT, 8' and 20', 1500 SY (ZC)																	
5A1 31-70th 1100	Hand Pours, 140 CY (ZC)	4	4	0%	23-Jul-22	28-Jul-22	-7	■ Hand Pours, 140 CY (ZC)																	
5A1 31-70th 1110	Grade and Pour Sidewalk, 85 CY (ZC)	6	6	0%	23-Jul-22	01-Aug-22	-11	■ Grade and Pour Sidewalk, 85 CY (ZC)																	
5A1 31-70th 1150	Signal Bases (Pro)	10	10	0%	23-Jul-22	05-Aug-22	-12	■ Signal Bases (Pro)																	
5A1 31-70th 1120	Temp and Perm HMA (Stark)	1	1	0%	28-Jul-22	29-Jul-22	-7	■ Temp and Perm HMA (Stark)																	
5A1 31-70th 1130	Topsoil, 1100 SY (Musson)	1	1	0%	01-Aug-22	02-Aug-22	-11	■ Topsoil, 1100 SY (Musson)																	
5A1 31-70th 1140	Restoration and Signs, 1100 SY (Arbor)	2	2	0%	02-Aug-22	04-Aug-22	-11	■ Restoration and Signs, 1100 SY (Arbor)																	
EB 50 - 52nd to 49th		25	25	0%	01-Jul-22	04-Aug-22	-11																		
5A52nd to 49th 1030	Storm Sewer, 8 Each (Musson)	4	4	0%	01-Jul-22	08-Jul-22	-11	■ Storm Sewer, 8 Each (Musson)																	
5A52nd to 49th 1040	Breaker Run Top & Underdrain (ZC)	1	1	0%	08-Jul-22	11-Jul-22	-11	■ Breaker Run Top & Underdrain (ZC)																	
5A52nd to 49th 1080	Electrical Crossings (PRO)	1	1	0%	11-Jul-22	12-Jul-22	-11	■ Electrical Crossings (PRO)																	
5A52nd to 49th 1050	Base Course, 500 T (ZC)	2	2	0%	12-Jul-22	14-Jul-22	-11	■ Base Course, 500 T (ZC)																	
5A52nd to 49th 1060	Curb & Gutter, 700 LF (ZC)	6	6	0%	14-Jul-22	21-Jul-22	-11	■ Curb & Gutter, 700 LF (ZC)																	
5A52nd to 49th 1070	Hand Pours on Outside & 51st, 400 CY (ZC)	10	10	0%	21-Jul-22	03-Aug-22	-11	■ Hand Pours on Outside & 51st, 400 CY (ZC)																	
5A52nd to 49th 1090	HMA Pavement at UPRR (Stark)	1	1	0%	03-Aug-22	04-Aug-22	-11	■ HMA Pavement at UPRR (Stark)																	
60th Ave South NB		35	11	68.57%	16-Jun-22A	18-Jul-22	-11																		
5AS. 60th NB 1030	Storm Sewer and KWU Watermain, 9 EA (Musson)	3	1	66.67%	16-Jun-22A	05-Jul-22	-11	■ Storm Sewer and KWU Watermain, 9 EA (Musson)																	
5AS. 60th NB 1040	Breaker Run Top & Underdrain (ZC)	1	1	0%	05-Jul-22	06-Jul-22	-11	■ Breaker Run Top & Underdrain (ZC)																	
5AS. 60th NB 1080	Electrical Crossings (PRO)	1	1	0%	06-Jul-22	07-Jul-22	-11	■ Electrical Crossings (PRO)																	

■ Remaining Level of Effort ■ Actual Work ■ Critical Remaining Work
■ Actual Level of Effort ■ Remaining Work ◆ Milestone

STH 50 Kenosha 2021-2023		1310-10-70 - STH 50 - Critical Activities (TF <= 5)							2022												2023			
Activity ID	Activity Name	OD	RD	% Comp	Start	Finish	Total Float	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
6B 69th 1110	HMA Tie-In	1	1	0%	08-Nov-22	08-Nov-22	-5																	
6B 69th 1090	Sidewalk (ZC)	3	3	0%	08-Nov-22	10-Nov-22	-7																	
6B 69th 1100	Topsoil & Restoration (Musson & Arbor)	2	2	0%	11-Nov-22	14-Nov-22	-7																	
Stage 6C2		8	8	0%	24-Oct-22	02-Nov-22	-22																	
6C2 1000	Traffic Switch to 6C2 (CTC)	1	1	0%	24-Oct-22	24-Oct-22	-22																	
6C2 1010	STH 31 - Saw, Remove, Excavate, Backfill, HES Concrete	7	7	0%	25-Oct-22	02-Nov-22	-22																	
Stage 8		23	23	0%	03-Nov-22	08-Dec-22	-22																	
Stage 8 1000	Traffic Switch to Stage 8 (CTC)	1	1	0%	11-Nov-22	11-Nov-22	-22																	
Road C to 57th		14	14	0%	11-Nov-22	05-Dec-22	-19																	
7ARd C-57 1020	Common X, 4300 CY (Mldstate & Musson)	4	4	0%	11-Nov-22	16-Nov-22	-22																	
7ARd C-57 1030	Breaker Run and Underdrain, 4720 T (ZC)	3	3	0%	15-Nov-22	17-Nov-22	-22																	
7ARd C-57 1040	Base Course, 2100 T (ZC)	4	4	0%	16-Nov-22	21-Nov-22	-22																	
7ARd C-57 1100	Signal Bases in Median	4	4	0%	16-Nov-22	21-Nov-22	-22																	
7ARd C-57 1050	Electrical Crossings (Pro)	1	1	0%	18-Nov-22	18-Nov-22	-19																	
7ARd C-57 1090	Curb and Gutter, 4620' (ZC)	5	5	0%	21-Nov-22	30-Nov-22	-19																	
7ARd C-57 1110	Sidewalk, 290 CY (ZC)	7	7	0%	22-Nov-22	05-Dec-22	-19																	
57th to East Limits		17	17	0%	11-Nov-22	08-Dec-22	-22																	
Stage 8 1070	Remove Contaminated Soil (Musson/TRC)	1	1	0%	11-Nov-22	11-Nov-22	-21																	
Stage 8 1020	Fine Grade for Curb and Sidewalk (ZC)	8	8	0%	11-Nov-22	22-Nov-22	-22																	
Stage 8 1090	Activate 52nd Signals	10	10	0%	14-Nov-22	30-Nov-22	-16																	
Stage 8 1030	Concrete Curb and Gutter, 5550' (ZC)	6	6	0%	15-Nov-22	22-Nov-22	-22																	
Stage 8 1080	Turn Lane Handpours (ZC)	8	8	0%	18-Nov-22	02-Dec-22	-18																	
Stage 8 1040	Median Sidewalk, 240 CY (ZC)	10	10	0%	21-Nov-22	07-Dec-22	-22																	
Stage 8 1050	Stand Signals and Activate (Pro)	10	10	0%	22-Nov-22	08-Dec-22	-22																	
Stage 8 1060	Permanent Signing (Arbor)	4	4	0%	02-Dec-22	08-Dec-22	-22																	
STH 31 Median		23	23	0%	03-Nov-22	08-Dec-22	-22																	
7ASTH31 1000	Removing Pavement, 900 SY (Musson)	2	2	0%	03-Nov-22	04-Nov-22	-22																	
7ASTH31 1010	Common X, 680 CY (Musson)	2	2	0%	07-Nov-22	08-Nov-22	-22																	
7ASTH31 1020	Breaker Run and Underdrain, 720 T (ZC)	2	2	0%	09-Nov-22	10-Nov-22	-22																	
7ASTH31 1040	Electrical Crossings (Pro)	1	1	0%	11-Nov-22	11-Nov-22	-21																	
7ASTH31 1030	Base Course, 300 T (ZC)	2	2	0%	11-Nov-22	14-Nov-22	-22																	
7ASTH31 1050	Curb and Gutter, 5,800' (ZC)	6	6	0%	15-Nov-22	22-Nov-22	-22																	
7ASTH31 1060	Median Sidewalk, 300 CY (ZC)	6	6	0%	23-Nov-22	05-Dec-22	-22																	
7ASTH31 1070	Topsoil, Restoration, and Signs 3000 SY (Musson/Arbor)	3	3	0%	05-Dec-22	08-Dec-22	-22																	
Spring 2023		40	40	0%	01-Mar-23	25-Apr-23	0																	
Spring 2023 1000	Traffic Control (CTC)	10	10	0%	01-Mar-23	14-Mar-23	0																	
Spring 2023 1010	Final Restoration (Arbor)	15	15	0%	15-Mar-23	04-Apr-23	0																	
Spring 2023 1020	Final Pavement Marking (Mega)	15	15	0%	05-Apr-23	25-Apr-23	0																	