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To: Chairperson Brad Firkus and Members of the Finance Committee

From: Chris Stempa, Utilities Deputy Director

CC: Chris Shaw, Utilities Director

Date: December 9, 2022

Re: Informational Item: Change Orders #6, #7 and #8 to Sabel Mechanical contract as part of the 2021 Secondary Clarifier Drive Removal, Rebuild, and Reinstallation Project totaling \$5,546.88 resulting in a decrease in contingency from \$39,060.06 to \$33,513.18

On June 2, 2021 Common Council approved contract with Sabel Mechanical for the Secondary Clarifier Drive Removal, Rebuild, and Reinstallation Project. The drives associated with Secondary Clarifiers #1, #2, #3 and #6 have been successfully rebuilt, reinstalled, and commissioned. Tasks described with Change Orders (CO) #6, #7 and #8 were identified during drive rebuild work associated with Final Clarifiers #4 and #5. Successful start-up and commissioning activities on these clarifiers subsequently occurred during November 2022 which also concluded Sabel Mechanical’s contract scope.

Table 1 summarizes all change orders since the start of active construction in October 2021. Each represents work added to the original contract scope of work (per Section IV., P of the Procurement and Contract Management Policy) or deleted from, which alters the original contract amount and/or completion date. This work was not known previously to the original quotation process or contact development.

Table 1 – Change Order Summary

CO#	Cost	Date	Description
CO#1	\$8,146.00	10/18/2021	Replace all 12 aluminum skimmer assemblies with 304SS
CO#2	\$4,578.00	11/8/2021	Raise #6 tow-bro manifold to the gasket as it has become worn and install ring.
CO#3	\$27,194.00	7/13/2022	Clarifier #2: Replace two A-frames, four bottom brackets, and one scum blade. Install ring on top of drum due to wear by the rubber seal to get face back to flat surface. Shaft from the upper to lower drive was worn from the lip seal. Flame sprayed to bring it back to

CO#	Cost	Date	Description
			tolerance
CO#4	\$11,312.94	8/16/2022	Clarifiers #1 & #2: Install ring on top of drum due to wear by the rubber seal to get face back to flat surface. Make adjustments to rake arm assemblies to get them from rubbing on concrete floor.
CO#5	\$10,855.00	8/30/2022	Clarifiers #4 & #5: Install ring on top of drum and floor due to wear by the rubber seal to get face back to flat surface. Make adjustments to rake arm assemblies to get them from rubbing on concrete floor. Fix bent A-Frame on #5. Provide -\$1,358 deduct for SS skimmer assemblies that will be reused
CO#6	\$2,168.00	9/21/22	Clarifier #4: Flame spray weld on both worm gear and pinion gear shafts due to wearing from the lip seals \$751; Clarifier #5: Flame spay weld on both worm gear and pinion gear shafts due to wearing from the lip seals. Also need to chrome plate the pinion gear shaft due to wear from the lower bearing \$1,416
CO#7	\$2,787.88	11/5/2022	Clarifier #6: Fix bent A-frame and skimmer arm. Replace the brackets and bent the skimmer arm back into correct position.
CO#8	\$591.00	11/9/2022	Clarifier #4: One of the lower brackets on the A-Frame was bent and falling off. Replacing with SS bracket

TOTAL \$67,631.82

If you have any questions regarding the project or the associated change orders please contact Chris Stempa at 832-2353.