



Strand Associates, Inc.®

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March 25, 2016

Dr. Fred Abadi, Ph.D, P.E.
Director of Public Works
City of Waukesha
130 Delafield Street
Waukesha, WI 53188-3616

Re: Change Order No. 3
Wastewater Treatment Plant Improvements
City of Waukesha, Wisconsin

Dear Dr. Abadi:

Enclosed are three copies of Change Order No. 3 and documentation for the change order items for your review and approval. If these are acceptable, please sign and return all copies to Strand Associates, Inc.® This letter also summarizes the items included in Change Order No. 3.

Item 3a—Stormwater outfall pipe size change

This cost is for changing the pipe size of the stormwater outfall piping at the site entrance. The existing pipe size was not typical and was different from that shown on the Contract Documents. Add \$4,682.00.

There is no increase beyond what would have been included in the bid had the alternate pipe size been shown on the bidding documents.

Item 3b—Electrical changes at Structure 330 and 500

These costs are for miscellaneous electrical changes that were required during construction at Structures 330 and 500. Add \$1,686.00.

There is no increase beyond what would have been included in the bid had the additional electrical work been shown on the bidding documents.

Item 3c—Flange mounted level sensors

This cost is for changing the ring type level sensors specified for sludge applications to flange mounted level sensors with flushing connections. The change in instrumentation was made to increase accuracy and reliability while reducing long-term maintenance requirements. Add \$2,822.00.

There is no increase beyond what would have been included in the bid had the alternate sensor type been shown on the bidding documents.

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Item 3d–Structure 430 monorail beam demolition

This cost is for removing a portion of the monorail beam in Structure 430 that was in conflict with the new polymer mixing tanks. This portion of the monorail was no longer needed for operation activities. Add \$2,330.00.

There is no increase beyond what would have been included in the bid had the demolition work been shown on the bidding documents.

Item 3e–Railing at Conference Room roof

This cost is for adding railing to the rooftop outside the Structure 500 Conference Room. The railing is required by the City of Waukesha Building Department. Add \$14,511.00.

Item 3f–Electric unit heaters at Structure 220

This cost is for providing new electric unit heaters in the Blower Room of Structure 220. Add \$10,321.00.

There is no increase beyond what would have been included in the bid had the new heaters been included in the bidding documents.

Item 3g–Reuse portion of existing road base

This is a credit for reusing a portion of the existing site road base. Acceptable existing road base was excavated and compacted for the new site roadways. Deduct \$21,880.00.

Item 3h–Electrical and instrumentation changes

These costs are for miscellaneous electrical changes and flow meters at the aeration basins required for the new blower control system. Add \$32,065.00.

There is no increase beyond what would have been included in the bid had the electrical and instrumentation been included in the bidding documents.

Item 3i–Heat pump piping changes

This cost is for additional piping to provide a cross connection between the plant flushing water system and the water to water heat pumps in Structure 500. The cross connection provides an alternate water source to the heating equipment during the winter months when the normal water source (elevated backwash tank) may be below the recommended temperature range. Add \$7,627.00.

There is no increase beyond what would have been included in the bid had the piping connection been included in the bidding documents.

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Item 3j–Power aeration valves from lighting panel

This cost is to provide additional conduit to power the aeration control valves from the Structure 220 lighting panel rather than the motor control center. This was necessary due to the voltage of the valve actuators. Add \$1,971.00.

There is no increase beyond what would have been included in the bid had the aeration valves been specified as 120 volt instead of 480 volt in the bidding documents.

Item 3k–Grating support at Structure 310 slide gate

This cost is for an additional structural support required due to grating modifications at the new slide gate in Structure 310. Add \$1,026.00.

There is no increase beyond what would have been included in the bid had structural support been shown on the bidding documents.

Item 3l–Adjustment to project contingency allowance

This is an adjustment to the project contingency allowance to accommodate this change order. Deduct \$56,747.00.

Change to Substantial Completion Date

The Contractor has requested an extension of the Substantial Completion date from April 24, 2016 to May 30, 2016 due to the extended time required to remove grit and other solids from the digesters. There will be no increase to the contract price and no increase in engineering costs due to the extension. The Final Completion date will not be changed.

The sum of the above items in Change Order No. 3 results in a net change of \$0.

Please call me with any questions.

Sincerely,

STRAND ASSOCIATES, INC.®



Vernon C. Witthuhn, Jr., P.E.

Enclosure



March 25, 2016

CHANGE ORDER NO. 3

PROJECT: Wastewater Treatment Plant Improvements
 OWNER: City of Waukesha
 CONTRACT: 1-2013
 CONTRACTOR: C.D. Smith Construction, Inc.

Description of Change

3a	Stormwater outfall pipe size change (WCD030).	ADD	\$4,682.00
3b	Electrical changes at Structure 330 and 500 (WCD031).	ADD	\$1,686.00
3c	Flange mounted level sensors (CPR034a).	ADD	\$2,408.00
3d	Structure 430 monorail beam demolition (WCD032).	ADD	\$2,330.00
3e	Railing at Conference Room roof (CPR035).	ADD	\$14,511.00
3f	Electric unit heaters at Structure 220 (CPR036).	ADD	\$10,321.00
3g	Reuse portion of existing road base (WCD033).	DEDUCT	(\$21,880.00)
3h	Electrical and instrumentation changes (CPR034b).	ADD	\$32,065.00
3i	Heat pump piping changes (CPR028).	ADD	\$7,627.00
3j	Power aeration valves from lighting panel (CPR037).	ADD	\$1,971.00
3k	Grating support at Structure 310 slide gate (WCD034).	ADD	\$1,026.00
3l	Adjustment to project contingency allowance.	DEDUCT	(\$56,747.00)
TOTAL VALUE OF THIS CHANGE ORDER:		ADD	\$0.00

Contract Price Adjustment

Original Contract Price	\$41,800,000.00
Previous Change Order Adjustments	(\$13,142.00)
Adjustment in Contract Price this Change Order	\$0.00
Current Contract Price including this Change Order	\$41,786,858.00

Contract Substantial Completion Date Adjustment

Original Contract Substantial Completion Date	April 22, 2016
Contract Substantial Completion Date Adjustments due to previous Change Orders	0 days
Contract Substantial Completion Date Adjustments due to this Change Order	38 days
Current Substantial Contract Completion Dates including all Change Orders	May 30, 2016

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Contract Completion Date Adjustment

Original Contract Completion Date	July 23, 2016
Contract Completion Date Adjustments due to previous Change Orders	0 days
Contract Completion Date Adjustments due to this Change Order	0 days
Current Contract Completion Dates including all Change Orders	July 23, 2016

This document shall become a supplement to the Contract and all provisions will apply hereto.

RECOMMENDED



ENGINEER–Strand Associates, Inc.®

March 25, 2016

Date

APPROVED

CONTRACTOR–C.D. Smith Construction, Inc.

Date

APPROVED

OWNER–City of Waukesha

Date