

NORMAN UTILITIES AUTHORITY  
 CITY OF NORMAN  
 CLEVELAND COUNTY, OKLAHOMA

DATE: October 4, 2017  
 CHANGE ORDER NO.: Five (5)  
 CONTRACT NO.: Contract K-1314-136  
 PROJECT: Norman WRF Phase 2 Improvements  
 CONTRACTOR: Archer Western Construction, LLC  
1411 Greenway Drive  
Irving, TX 75038

<u>Contract Time</u>	<u>Original</u>	<u>Maintenance Additions</u>
ORIGINAL:	<u>900</u> calendar days	<u>0</u> calendar days
PREVIOUS CHANGE ORDERS:	<u>132</u> calendar days	<u>270</u> calendar days
THIS CHANGE ORDER:	<u>124</u> calendar days	<u>0</u> calendar days
REVISED AMOUNT:	<u>1156</u> calendar days	<u>270</u> calendar days

START DATE:	<u>June 2, 2014</u>	<u>February 15, 2017</u>
ORIGINAL FINAL COMPLETION DATE:	<u>November 18, 2016</u>	<u>NA</u>
PREVIOUS FINAL COMPLETION DATE:	<u>March 30, 2017</u>	<u>NA</u>
NEW SUBSTANTIAL COMPLETION DATE:	<u>June 2, 2017</u>	<u>October 13, 2017</u>
NEW FINAL COMPLETION DATE:	<u>August 1, 2017</u>	<u>November 12, 2017</u>

Contract Amount

ORIGINAL CONTRACT: \$48,822,550.00  
 PREVIOUS CHANGE ORDERS: \$3,079,872.70  
 THIS CHANGE ORDER: \$324,283.30  
 REVISED CONTRACT: \$52,226,706.00

DESCRIPTION:	\$ Increase	\$ Decrease
CMR 56: Approve additional labor and material costs to modify alignment/elevation of underground piping and avoid existing unforeseen underground obstructions for Odor Control System C with no change to contract time.	\$29,523.85	\$0.00
CMR 61: Install 31 additional concrete yard lighting bases and 15 slab mounted bases for site lighting with no change to contract time.	\$65,308.72	\$0.00
CMR 65: Accept credit to eliminate protective coating on interior concrete walls for Secondary Clarifier Splitter Box with no change to contract time.	\$0.00	-\$43,322.47
CMR 67: Install 2-inch water supply line to two new Sludge Thickening Centrifuges in Main Control Building with no change to contract time.	\$3,545.90	\$0.00

CMR 68: Remove 819 cubic yards of sludge from three (3) existing Aeration Basins prior to placement of new aeration equipment with no change to contract time.	\$15,562.52	\$0.00
CMR 70: Increase extent of new and rehabilitated asphalt paving at WRF and include concrete ribbon curb along perimeter of most new and/or rehabilitated asphalt paving; extend contract completion time by ten (10) calendar days.	\$46,648.79	\$0.00
CMR 71: Modify speed controls by adding level probes and solenoid valves for two progressive cavity sludge pumps downstream of thickening centrifuges; extend contract completion time by thirty-three (33) calendar days.	\$11,380.55	\$0.00
CMR 73: Accept credit to modify installation of aluminum odor control covers at each of four (4) Primary Sludge Gravity Thickeners with no change to contract time.	\$0.00	-\$9,000.00
CMR 74: Furnish and install water supply and drain lines to Odor Control Systems A/B and D and drain line to Odor Control Systems D with no change to contract time.	\$4,214.28	\$0.00
CMR 75: Remove and replace approximately 1,615 feet of dilapidated chain link fencing and four (4) gates along northern and eastern boundary of WRF with no change to contract time.	\$34,095.77	\$0.00
CMR 76: Furnish and install two (2) cantilever gates, motor operators and controls at entrances to WRF; replace 95 feet of existing chain link fencing to southeast of southern gate with no change to contract time.	\$35,449.76	\$0.00
CMR 77: Install seal offs in existing electrical conduits at three (3) existing aeration basins to comply with classified area revisions to the National Electrical Code with no change to contract time.	\$21,526.59	\$0.00
CMR 78: Accept credit to leave untreated sludge removed from Aeration Basins in sludge drying beds in lieu of applying to farm land with no change to contract time.	\$0.00	-\$7,410.63
CMR 79: Supply and install new electrical conduit and 4-wire circuit between new 600-amp circuit breaker at Main Control Building MCC to new 600-amp circuit breaker, 300 kVA transformer and MCC in new Electrical Room with no change to contract time.	\$74,292.31	\$0.00
CMR 80: Supply and install new electrical conduit and wiring to all new exterior LED lights and to central control panel; extend contract completion time by eighty-one (81) calendar days.	\$203,742.69	\$0.00
CMR 82: Modify two (2) Motor Control Center (MCC) electrical panels for additional pump protection at Sludge Blend Pump Station with no change to contract time.	\$7,061.47	\$0.00
CMR 83: Accept credit for unused allowances (site lighting, testing, trash removal, and trailer supplies) with no change to contract time.	\$0.00	-\$175,085.00
CMR 84: Supply and install two (2) new pressure transmitters for the 6-inch thickened sludge lines on the discharge side of the centrifuges for control of progressive cavity pumps with no change to contract time.	\$6,748.20	\$0.00

The Norman Utilities Authority and Archer Western Construction , LLC agree that the original Norman WRF Phase 2 Improvements, as amended by approved Change Orders 1, 2, 3 and 5, is considered complete as of August 1, 2017. The two -year coverage period for existing Maintenance Bond MB-1314-87 dated April 22, 2014 will begin on August 1, 2017 and continue through July 31, 2019. Maintenance Bond MB-1718-24, attached hereto, will be executed upon NUA approval of this Change Order No. 5 and will apply only to the Norman WRF Phase 2 Maintenance Improvements approved by the NUA as Change Order No. 4 on February 14, 2017. The two-year coverage period for Maintenance Bond MB-1718-24 will begin upon NUA acceptance of the Norman WRF Phase 2 Maintenance Improvements.


Note: Detailed information and/or justification for each CMR listed above is incorporated by reference into CO#5.

SUBMITTED BY  
CONTRACTOR:

*Ally J. P. P.*  
Archer Western Construction, LLC

Date: 10-11-2017

RECOMMENDED BY  
CONSULTING ENGINEER:

Garver  


Date: 10/25/17

APPROVED AS TO  
FORM AND LEGALITY:

\_\_\_\_\_  
City Attorney

Date: \_\_\_\_\_

ACCEPTED BY  
NORMAN UTILITIES AUTHORITY:

\_\_\_\_\_  
Chairman

Date: \_\_\_\_\_