

**BOARD OF PUBLIC WORKS AND SAFETY** (Form B-01-2012)  
**Agenda Request Form**

*Organizations and individuals are asked to submit a request form and supporting documents to be placed on the agenda. You will be contacted by the City confirming the date of the meeting in which your request will be heard. Please make sure that your contact information is accurate in case we need to get in touch with you. The Board of Works meets on the 1st and 3rd Monday of each month at 5:00 p.m. in City Hall located at 70 E. Monroe Street.*

**Date Submitted:** 07/27/2016

**Meeting Date:** 08/01/2016

**Contact Information:**

**Requested by:** Rick Littleton – DPW Superintendent

**On Behalf of Organization or Individual:** DPW

**Telephone:** 317-736-3640

**Email address:** [rlittleton@franklin.in.gov](mailto:rlittleton@franklin.in.gov)

**Mailing Address:** 796 S. State Street

**Describe Request:**

Request approval of change order No. 1 for WWTP SCADA Improvements Project

**List Supporting Documentation Provided:**

Change Order No.1

**Who will present the request?**

**Name:** Wayne Moore – Wessler  
Engineering

**Telephone:** 317-788-4551

*In order for an individual and/or agency to be considered for new business on the Board of Works agenda, this reservation form and supporting documents must be received in the Mayor's office no later than 4:00 p.m. on the Wednesday before the meeting.*

# Change Order No. 1

Date of Issuance: July 27, 2016                      Effective Date: July 27, 2016

Project: <b>Wastewater Treatment Plant SCADA Improvements</b>	Owner: <b>City of Franklin, Indiana</b>	Owner's Contract No.: <b>N/A</b>
Contract:		Date of Contract: <b>August 14, 2015, (September 28, 2015 NTP)</b>
Contractor: <b>Berry Electric, Inc.</b>		Engineer's Project No.: <b>167114</b>

**The Contract Documents are modified as follows upon execution of this Change Order:**

Description:  
**Please see Attachment A.**

Attachments (list documents supporting change):  
**Attachment A**

<b>CHANGE IN CONTRACT PRICE:</b>	<b>CHANGE IN CONTRACT TIMES:</b>
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Original Contract Price:  
\$ 439,556.00

Increase from previously approved Change Orders:  
\$ 0

Contract Price prior to this Change Order:  
\$ 439,556.00

Increase of this Change Order:  
\$ 48,484.28

Contract Price incorporating this Change Order:  
\$ 488,040.28

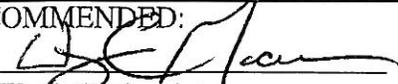
Original Contract Times:  Working days     Calendar days  
 Substantial completion: 180 Days, 03/26/16  
 Ready for final payment: 210 Days, 04/25/16

Increase from previously approved Change Orders:  
 Substantial completion: 0 Days  
 Ready for final payment: 0 Days

Contract Times prior to this Change Order:  
 Substantial completion: 180 Days, 03/26/16  
 Ready for final payment: 210 Days, 04/25/16

Increase of this Change Order:  
 Substantial completion: 128 Days, 08/01/16  
 Ready for final payment: 128 Days, 08/31/16

Contract Times with all approved Change Orders:  
 Substantial completion: 308 Days, 08/01/16  
 Ready for final payment: 338 Days, 08/31/16

RECOMMENDED:  
 By:   
 Wesler Engineering  
 Date: 7/27/16

ACCEPTED:  
 By: \_\_\_\_\_  
 City of Franklin, Indiana  
 Date: \_\_\_\_\_

ACCEPTED:  
 By: \_\_\_\_\_  
 Berry Electric, Inc.  
 Date: \_\_\_\_\_

## ATTACHMENT A

**DESCRIPTION, PURPOSE & JUSTIFICATION  
CHANGE ORDER NO. 1**

**WESSLER PROJECT No. 167114.06**

**PROJECT: Wastewater Treatment Plant SCADA Improvements**

**OWNER: City of Franklin, Indiana**

**CONTRACTOR: Berry Electric, Inc. (Berry)**

### DESCRIPTION, PURPOSE & JUSTIFICATION OF CHANGE

ADD

DEDUCT

#### Item No. 1 – Project Time Extension

\$ 0

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#### Associated Correspondence:

None

90 days

Due to the complexity of the communications between the new and existing equipment during construction to maintain operations and other various issues, Berry, Maxim, and Wessler Engineering need additional time to complete the implementation of the new SCADA system equipment. The time extension will not involve additional costs and will not affect the operation of the Wastewater Treatment Plant. The new substantial completion date will be August 1, 2016 and the new final completion date will be August 31, 2016.

#### Item No. 2 – VFD addition to Influent Pumps

#### Associated Correspondence:

See attached email

\$ 36,894.00

38 days

Since the SCADA system is being reprogrammed as part of this project, now is the opportune time to add Variable Frequency Drives to two of the influent pumps to optimize energy savings and add flexibility to the plant operations. Programming is included in the SCADA project, the cost for the VFD's and installation is included in the change order price.

**Item No. 3 – Antenna Lowering**

Associated Correspondence:  
See attached email

\$1,400

0 days

Antenna lowering as discussed in the study portion of the project was not included in the design documents that were used for bidding the project. Since the radio system is no longer used at the full height of the antenna, lowering the antenna will help prevent lightning strikes.

**Item No. 4 – Panel Computers**

Associated Correspondence:  
See attached email

\$10,190.28

0 days

Between design and project implementation a better way to utilize plant data was developed. Instead of proprietary panelview screens, industrial computers will be used to view and control plant equipment at remote sites.

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Total Additions and Deletions

\$ 48,484.28  
128 days

**TOTAL OF CHANGE ORDER NO. 1**

**\$ 48,484.28**  
**128 days**

## Brad Robinson

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**From:** Sam Berry <sam@berry-electric.com>  
**Sent:** Monday, July 25, 2016 12:27 PM  
**To:** Wayne Moore  
**Subject:** RE: Franklin WW Raw Lift VFDs adder

Wayne,

The broken down pricing for the 2 drives is below and the cost is listed per drive at the top and total at the bottom:

Cost breakdown per drive:

Material (drive, conduit, and wire)= \$14,986.00  
Labor= \$2,500.00  
Bond= \$461.00 (2.5%)  
Certified start up= \$500.00

Total cost of \$36,894.00 divided by 2= \$18,447.00 per drive

Below is the total cost breakdown for both drives together:

Material: \$29,972.00  
Labor: \$5,000.00  
Bond: \$922.00  
Certified start-up: \$1,000.00

Please let me know if you have any questions. I will be sending Brad our final pay app later today.

Thanks,

**Sam Berry**  
**Berry Electric, Inc.**



**Office: 317-933-2439**  
**Cell: 317-432-5680**  
**Fax: 317-933-2241**

**From:** Wayne Moore [mailto:WayneM@wesslerengineering.com]  
**Sent:** Monday, July 25, 2016 10:23 AM  
**To:** Sam Berry <sam@berry-electric.com>  
**Subject:** RE: Franklin WW Raw Lift VFDs adder

## Brad Robinson

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**From:** Sam Berry <sam@berry-electric.com>  
**Sent:** Friday, May 27, 2016 2:54 PM  
**To:** Wayne Moore; Brad Robinson  
**Subject:** Change order amounts for Franklin

Wayne/Brad,

The price to only take down the top 40' of the existing tower at the Franklin DPW office and not put any ground wire or ground rods on the tower is \$ 1,400.00

Let me know if you have any questions regarding this email. Thanks

Sam Berry  
Berry Electric, Inc.

Office: 317-933-2439  
Cell: 317-432-5680  
Fax: 317-933-2241

**Sam Berry**  
**Berry Electric, Inc.**



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**Fax: 317-933-2241**

## Brad Robinson

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**From:** Sam Berry <sam@berry-electric.com>  
**Sent:** Saturday, May 14, 2016 10:45 AM  
**To:** Wayne Moore  
**Subject:** RE: Change order amounts for Franklin

Wayne,

Finally I've got pricing from Sean. The price for the 3 - 24" Fanless Industrial Touch Panel PC's with upgraded hard drive, upgraded memory, Microsoft Windows 7 (64)Bit, 3 year warranty, shipping and labor to install. \$ 10,190.28

~~Labor and Crain rental to remove 40' of existing antenna tower at Franklin WW main office and install 10' lightning rod and 30' ground rod with #1 copper wire. Material and labor. \$ 2,247.00~~

Let me know if you have any questions regarding these quotes. Thanks

-----Original Message-----

From: Wayne Moore [mailto:WayneM@wesslerengineering.com]  
Sent: Tuesday, May 10, 2016 11:09 AM  
To: sam@berry-electric.com  
Subject: Change order amounts for Franklin

Sam, any chance you can put a number to the antenna lowering and talk with Sean about the industrial PC size and cost by late tomorrow or Thursday at the latest? Rick submitted to the board to be on the docket for the next new one in Monday 16.

I will have Brad send out formal RFP later today.

Wayne  
Sent from my iPhone