



# Memo

---

TO: Mayor Manier and City Council  
FROM: Ed Andrews, Public Works Director  
SUBJECT: STP#2, Phase 2A Geotechnical Services  
with Whitney & Associates  
DATE: June 9, 2017

---

At the February 1, 2016 Council Meeting the City committed to award River City Construction, LLC in an amount of \$3,562,500 for the Phase 2A expansion of Sewer Treatment Plant #2 (STP#2). The formal contract itself was executed with IEPA approval on May 31<sup>st</sup> 2016, with work onsite beginning in June.

The contract provided for portions of the materials testing to be borne by the Contractor and geotechnical testing to be borne by the Owner. This is under Section 02222 – Excavation, Fill, Backfill and Grading, Article 3.13 of the project specifications.

#### 3.13 COMPACTION TESTING

- A. Compaction tests shall be done by the Project Soils Engineer. Location and frequency of the tests shall be as recommended by the Project Soils Engineer and paid for by OWNER.

#### END OF SECTION

Whitney & Associates has provided this testing, as well as the other materials testing borne by the Contractor throughout the project. Final geotechnical testing costs have accrued to an amount of \$12,688, with the periodic monthly costs attached.

As such it is my recommendation that the City Council approve making payment to Whitney & Associates as provided for in the division of contract testing in an amount not to exceed **\$12,688.**

This matter has been placed on the agenda for the City Council meeting of Monday, June 12th, 2017, for review and consideration.

cc: File

**TELEPHONE**

309-673-2131

**WHITNEY & ASSOCIATES**

INCORPORATED  
 2406 West Nebraska Avenue  
 PEORIA, ILLINOIS 61604-3193  
 whitney@whitneyassociates.com

**TELEFAX**

309-673-3050

DATE

3/3/2017

WHITNEY &amp; ASSOCIATES FILE NO. 7388

**PROJECT:**

CITY OF WASHINGTON  
 ATTN: ACCOUNTS PAYABLE  
 301 WALNUT STREET  
 WASHINGTON, IL 61571

WASHINGTON SEWAGE TREATMENT  
 PLANT #2 PHASE 2A EXPANSION  
 WASHINGTON, ILLINOIS

PO NUMBER

**INVOICE**

INVOICE #

11882

DATE	QUANTITY	UNIT	WORK DESCRIPTION	UNIT PRICE	AMOUNT
2/2/2017	6.00	DAYS	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 02/02/17,02/06,02/07,02/08,02/09,02/10	248.00	1,488.00
2/2/2017	6.00	DAYS	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 02/02/17,02/06,02/07,02/08,02/09,02/10	44.00	264.00
2/3/2017	1.00	HALF-DAY	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 02/03/17	152.00	152.00
2/3/2017	1.00	HALF-DAY	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 02/03/17	31.00	31.00
2/2/2017	7.00	EACH	DOCUMENTATION INCLUDING PROCESSING, QC/QA,REVIEW, ANALYSIS AND COMMENTS 02/02/17,02/03,02/06,02/07,02/08,02/09,02/10	48.00	336.00
				<b>TOTAL</b>	<b>\$2,271.00</b>

A FINANCE CHARGE IS APPLIED ON ANY UNPAID BALANCE OUTSTANDING AFTER 30 DAYS. ALL SERVICES HAVE BEEN  
 PROVIDED IN ACCORDANCE WITH OUR STANDARD TERMS AND CONDITIONS WHICH ARE OUTLINED ON THE BACK SIDE OF THIS INVOICE.

**TELEPHONE**

309-673-2131

**WHITNEY & ASSOCIATES**

**INCORPORATED**  
 2406 West Nebraska Avenue  
 PEORIA, ILLINOIS 61604-3193  
 whitney@whitneyassociates.com

**TELEFAX**

309-673-3050

DATE

12/21/2016

WHITNEY &amp; ASSOCIATES FILE NO. 7388

**PROJECT:**

CITY OF WASHINGTON  
 ATTN: ACCOUNTS PAYABLE  
 301 WALNUT STREET  
 WASHINGTON, IL 61571

WASHINGTON SEWAGE TREATMENT  
 PLANT #2 PHASE 2A EXPANSION  
 WASHINGTON, ILLINOIS

PO NUMBER

**INVOICE**

INVOICE #

11822

DATE	QUANTITY	UNIT	WORK DESCRIPTION	UNIT PRICE	AMOUNT
11/23/2016	7.00	DAYS	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 11/23/16,11/28,11/30,12/01,12/06,12/07,12/08	248.00	1,736.00
11/23/2016	7.00	DAYS	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 11/23/16,11/28,11/30,12/01,12/06,12/07,12/08	44.00	308.00
11/22/2016	5.00	HALF-DAYS	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 11/22/16,12/02,12/05,12/09,12/12	152.00	760.00
11/22/2016	5.00	HALF-DAYS	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 11/22/16,12/02,12/05,12/09,12/12	31.00	155.00
11/22/2016	1.00	EACH	MODIFIED PROCTOR TEST INCLUDING SAMPLE PREPARATION 11/22/16	185.00	185.00
11/22/2016	12.00	EACH	DOCUMENTATION INCLUDING PROCESSING, QC/QA,REVIEW, ANALYSIS AND COMMENTS 11/22/16,11/23,11/28,11/30,12/01,12/02,12/05, 12/06,12/07,12/08,12/09,12/12	48.00	576.00
<b>TOTAL</b>					<b>\$3,720.00</b>

A FINANCE CHARGE IS APPLIED ON ANY UNPAID BALANCE OUTSTANDING AFTER 30 DAYS. ALL SERVICES HAVE BEEN  
 PROVIDED IN ACCORDANCE WITH OUR STANDARD TERMS AND CONDITIONS WHICH ARE OUTLINED ON THE BACK SIDE OF THIS INVOICE.

**TELEPHONE**

309-673-2131

**WHITNEY & ASSOCIATES**

INCORPORATED  
 2406 West Nebraska Avenue  
 PEORIA, ILLINOIS 61604-3193  
 whitney@whitneyassociates.com

**TELEFAX**

309-673-3050

DATE

11/9/2016

WHITNEY &amp; ASSOCIATES FILE NO. 7388

**PROJECT:**

CITY OF WASHINGTON  
 ATTN: ACCOUNTS PAYABLE  
 301 WALNUT STREET  
 WASHINGTON, IL 61571

WASHINGTON SEWAGE TREATMENT  
 PLANT #2 PHASE 2A EXPANSION  
 WASHINGTON, ILLINOIS

PO NUMBER

**INVOICE**

INVOICE #

11734

DATE	QUANTITY	UNIT	WORK DESCRIPTION	UNIT PRICE	AMOUNT
9/15/2016	1.50	HOURS	ENGINEERING CONSULTATION BY DOUGLAS R. WHITNEY, P. E. INCLUDING RECOMMENDATIONS	110.00	165.00
9/23/2016	2.00	DAYS	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 09/23/16,09/26	248.00	496.00
9/23/2016	2.00	DAYS	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 09/23/16,09/26	44.00	88.00
9/15/2016	1.00	HALF-DAY	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 09/15/16	152.00	152.00
9/15/2016	1.00	HALF-DAY	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 09/15/16	31.00	31.00
9/21/2016	2.00	DAYS	SUBGRADE OBSERVATION 09/21/16,09/22	248.00	496.00
9/15/2016	5.00	EACH	DOCUMENTATION INCLUDING PROCESSING, QC/QA, REVIEW, ANALYSIS AND COMMENTS 09/15/16,09/21,09/22,09/23,09/26	48.00	240.00
<b>TOTAL</b>					<b>\$1,668.00</b>

A FINANCE CHARGE IS APPLIED ON ANY UNPAID BALANCE OUTSTANDING AFTER 30 DAYS. ALL SERVICES HAVE BEEN PROVIDED IN ACCORDANCE WITH OUR STANDARD TERMS AND CONDITIONS WHICH ARE OUTLINED ON THE BACK SIDE OF THIS INVOICE.

**TELEPHONE**

309-673-2131

**WHITNEY & ASSOCIATES**

INCORPORATED

 2406 West Nebraska Avenue  
 PEORIA, ILLINOIS 61604-3193  
 whitney@whitneyassociates.com
**TELEFAX**

309-673-3050

DATE

8/30/2016

WHITNEY &amp; ASSOCIATES FILE NO. 7388

**PROJECT:**
 CITY OF WASHINGTON  
 ATTN: ACCOUNTS PAYABLE  
 301 WALNUT STREET  
 WASHINGTON, IL 61571

 WASHINGTON SEWAGE TREATMENT  
 PLANT #2 PHASE 2A EXPANSION  
 WASHINGTON, ILLINOIS

PO NUMBER

**INVOICE**

INVOICE #

11565

DATE	QUANTITY	UNIT	WORK DESCRIPTION	UNIT PRICE	AMOUNT
8/11/2016	1.00	DAY	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 08/11/16	248.00	248.00
8/11/2016	1.00	DAY	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 08/11/16	44.00	44.00
8/2/2016	1.00	HALF-DAY	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 08/02/16	152.00	152.00
8/2/2016	1.00	HALF-DAY	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 08/02/16	31.00	31.00
8/11/2016	1.00	EACH	MODIFIED PROCTOR TEST INCLUDING SAMPLE PREPARATION 08/11/16	185.00	185.00
8/2/2016	2.00	EACH	GRAIN SIZE ANALYSIS TEST (GS-1 AND GS-2)	75.00	150.00
8/2/2016	2.00	EACH	DOCUMENTATION INCLUDING PROCESSING, QC/QA, REVIEW, ANALYSIS AND COMMENTS 08/02/16, 08/11	48.00	96.00
<b>TOTAL</b>					<b>\$906.00</b>

A FINANCE CHARGE IS APPLIED ON ANY UNPAID BALANCE OUTSTANDING AFTER 30 DAYS. ALL SERVICES HAVE BEEN PROVIDED IN ACCORDANCE WITH OUR STANDARD TERMS AND CONDITIONS WHICH ARE OUTLINED ON THE BACK SIDE OF THIS INVOICE.

**TELEPHONE**

309-673-2131

**WHITNEY & ASSOCIATES**

**INCORPORATED**  
 2406 West Nebraska Avenue  
 PEORIA, ILLINOIS 61604-3193  
 whitney@whitneyassociates.com

**TELEFAX**

309-673-3050

WHITNEY &amp; ASSOCIATES FILE NO. 7388

DATE  
 8/5/2016

**PROJECT:**

CITY OF WASHINGTON  
 ATTN: ACCOUNTS PAYABLE  
 301 WALNUT STREET  
 WASHINGTON, IL 61571

WASHINGTON SEWAGE TREATMENT  
 PLANT #2 PHASE 2A EXPANSION  
 WASHINGTON, ILLINOIS

PO NUMBER

**INVOICE**

INVOICE # 11515

DATE	QUANTITY	UNIT	WORK DESCRIPTION	UNIT PRICE	AMOUNT
7/18/2016	8.00	DAYS	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 07/18/16,07/19,07/20,07/21,07/22,07/25,07/26, 07/27	248.00	1,984.00
7/18/2016	8.00	DAYS	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 07/18/16,07/19,07/20,07/21,07/22,07/25,07/26, 07/27	44.00	352.00
7/28/2016	1.00	HALF-DAY	FIELD DENSITY CHECK TESTS UTILIZING NUCLEAR DENSITY EQUIPMENT 07/28/16	152.00	152.00
7/28/2016	1.00	HALF-DAY	NUCLEAR MOISTURE/DENSITY GAUGE USAGE FEE 07/28/16	31.00	31.00
7/18/2016	5.00	EACH	MODIFIED PROCTOR TEST INCLUDING SAMPLE PREPARATION 07/18/16,07/18,07/21,07/21,07/22	185.00	925.00
7/13/2016	1.00	HALF-DAY	SUBGRADE OBSERVATIONS AND TESTING INCLUDING MOBILIZATION OF EQUIPMENT AND PERSONNEL TO AND FROM THE PROJECT SITE (ONE MAN) 07/13/16	152.00	152.00
7/21/2016	1.00	EACH	GRAIN SIZE DISTRIBUTION (GS-1 ON-SITE CLARIFIER SPOILS)	95.00	95.00
7/18/2016	9.00	EACH	DOCUMENTATION INCLUDING PROCESSING, QC/QA, REVIEW, ANALYSIS AND COMMENTS 07/18/16,07/19,07/20,07/21,07/22,07/25,07/26, 07/27,07/28	48.00	432.00
<b>TOTAL</b>					<b>\$4,123.00</b>

A FINANCE CHARGE IS APPLIED ON ANY UNPAID BALANCE OUTSTANDING AFTER 30 DAYS. ALL SERVICES HAVE BEEN  
 PROVIDED IN ACCORDANCE WITH OUR STANDARD TERMS AND CONDITIONS WHICH ARE OUTLINED ON THE BACK SIDE OF THIS INVOICE.