

ADDENDUM NO. I

BID NUMBER: 305561

BID TITLE: Vibration Analysis & Infrared Thermographic Services

DEPARTMENT: Waste Resources Division, Public Works

DATE OF ADDENDUM: June 12, 2019

BID DUE DATE: June 18, 2019

BID DUE TIME: 2:00 p.m., e.s.t.

REASON: ANSWERS TO QUESTIONS

Q. Item 1, the Quantity is 3000 and the unit is Hours. We are wondering how it is possible to have that many hours associated with that inspection. Can you clarify that the quantity is hours?

A. *This was an estimate but was a calculation error. This revised number is 1500 hours.*

Q. I want to know for how many years the quantity 3000 hours for Labor/ vibration analysis is going to be for?

A. *This is an estimated yearly amount. The revised number is 1500 hours.*

Q. I want to know for how many years the quantity 1500 hours for Labor/ infrared thermographic is going to be for?

A. *This is an estimated yearly amount.*

Q. What is the minimum hours guarantee per visit for the vibration analysis?

A. *There is no guaranteed number of hours because it varies.*

Q. What is the minimum hours guarantee per visit for the infrared thermographic?

A. *There is no guaranteed number of hours because it varies.*

Q. How many Pump Stations are there?

A. *We have 96 Pump Stations in total, but only 20 of them are on the list of pm work orders for vibration and infrared.*

Q. How many days it took the previous vendor to complete the infrared inspection?

A. *It varied.*

Q. How many days it took the previous vendor to collect vibration data on the equipment per quarter?

A. *It varied.*

Q. How many pieces of equipment the vendor will need to collect vibration data on every quarter?

A. *Unsure of how many are used.*

Q. Can you provide an asset list of all the items that are to be inspected?

A. *Asset List Attached*

(SIGNED): _____ (DATE): _____

(COMPANY): _____

Sign one (1) copy of this page and return it with your bid, or separately and clearly labelled only if your bid has already been submitted, to the Purchasing Department (email: aberkowitz@chattanooga.gov; or fax to 423-643-7244 Attn: A Berkowitz; or mail to Purchasing Dept., Attn: A Berkowitz, 101 E. 11th Street, Suite G-13, Chattanooga, TN 37402.

Retain a copy for your file.

Vibration Asset List

Pump Station Asset List (Quarterly)

CITICO PUMP STATION #2: Pump #1
CITICO PUMP STATION #2: Pump #2
CITICO PUMP STATION #2: Pump #3
CITICO PUMP STATION #2: Pump #4
19TH STREET PUMP STATION: Pump #1
19TH STREET PUMP STATION: Pump #2
19TH STREET PUMP STATION: Pump #3
23rd STREET PUMP STATION: Pump #1
23rd STREET PUMP STATION: Pump #2
23rd STREET PUMP STATION: Pump #3
23rd STREET PUMP STATION: Pump #4
COLLEGEDALE PUMP STATION: Pump #1
COLLEGEDALE PUMP STATION: Pump #2
COLLEGEDALE PUMP STATION: Pump #3
COLLEGEDALE PUMP STATION: Pump #4
EAST BRAINERD PUMP STATION: Pump #1
EAST BRAINERD PUMP STATION: Pump #2
EAST BRAINERD PUMP STATION: Pump #3
FRIAR BRANCH PUMP STATION: Pump #1
FRIAR BRANCH PUMP STATION: Pump #4
FRIAR BRANCH PUMP STATION: Pump #2
HIXSON PUMP STATION #1: Pump #1
HIXSON PUMP STATION #1: Pump #3
HIXSON PUMP STATION #1: Pump #2
HIXSON PUMP STATION #2: Pump #1
HIXSON PUMP STATION #2: Pump #2
HIXSON PUMP STATION #2: Pump #3
HIXSON PUMP STATION #3: Pump #1
HIXSON PUMP STATION #3: Pump #2
HIXSON PUMP STATION #3: Pump #3
ORCHARD KNOB STORM STATION: Pump #1
ORCHARD KNOB STORM STATION: Pump #2
ORCHARD KNOB STORM STATION: Pump #3
SOUTH CHICKAMAUGA PUMP STATION: Pump #1
SOUTH CHICKAMAUGA PUMP STATION: Pump #2
SOUTH CHICKAMAUGA PUMP STATION: Pump #3
SOUTH CHICKAMAUGA PUMP STATION: Pump #4
TIFTONIA PUMP STATION #1: Pump #1
TIFTONIA PUMP STATION #1: Pump #2
TIFTONIA PUMP STATION #2: Pump #1

TIFTONIA PUMP STATION #2: Pump #2
TIFTONIA PUMP STATION #3: Pump #1
TIFTONIA PUMP STATION #3: Pump #2
CITICO PUMP STATION #2: Structure: Odor Control Unit
MT CREEK: Pump #1
MT CREEK: Pump #2

Plant Asset List (Quarterly)

Influent PS:Pump #1:Motor
Influent PS:Pump #2:Motor
Influent PS:Pump #3:Motor
Influent PS:Pump #4:Motor
EQ Pump Station:Pump #1:Motor
EQ Pump Station:Pump #2:Motor
EQ Pump Station:Pump #3:Motor
EQ Pump Station:Pump #4:Motor
Blower Building:Blower #1:Motor
Blower Building:Blower #2:Motor
Blower Building:Blower #3:Motor
Blower Building:Blower #4:Motor
Blower Building:Blower #5:Motor
Blower Building:Blower #6:Motor
Blower Building:Blower #7:Motor
Blower Building:Blower #8:Motor
O2 Plant:70% Compressor:Motor
O2 Plant:100% Compressor:Motor
O2 Plant:Cooling Tower:#1 Cooling Water Pump Motor
O2 Plant:Cooling Tower:#2 Cooling Water Pump Motor
Return Sludge Building:Return Pump #1:Motor
Return Sludge Building:Return Pump #2:Motor
Return Sludge Building:Return Pump #3:Motor
Return Sludge Building:Waste Pump #1:Motor
Return Sludge Building:Waste Pump #2:Motor
Pretreatment System:Odor Control#1
Pretreatment System:Odor Control#2
Centrifuge Building #1:Centrifuge #1
Centrifuge Building #1:Centrifuge #2
Centrifuge Building #2:Centrifuge #1
Centrifuge Building #2:Centrifuge #2
Pretreatment System:Odor Control Bypass Unit

Plant / Pump stations (Semi Annual)

Filter Press Building:Boiler Pump #1

Filter Press Building:Boiler Pump #2
Filter Press Building:Cooling Tower Pump #1
Filter Press Building:Cooling Tower Pump #2
Filter Press Building:Dilution Seal Water Pump #166
Filter Press Building:Dilution Seal Water Pump #167
Filter Press Building:Lime Slurry Pump #130
Filter Press Building:Lime Slurry Pump #131
Filter Press Building:Lime Slurry Pump #132
Filter Press Building:Lime Slurry Pump #133
Filter Press Building:Moyno Feed Pump #1
Filter Press Building:Moyno Feed Pump #3
Filter Press Building:Moyno Feed Pump #4
Filter Press Building:Moyno Feed Pump #5
Filter Press Building:Moyno Feed Pump #6
Filter Press Building:Sludge Transfer Pump 111
Filter Press Building:Sludge Transfer Pump 112
Filter Press Building:Sludge Transfer Pump 113
Filter Press Building:Sludge Transfer Pump 114
Filter Press Building:Vacuum Pump #1
Filter Press Building:Vacuum Pump #2
Filter Press Building:Vacuum Pump #3
Filter Press Building:Vacuum Pump #4
Filter Press Building:Filter Press #1:Hot Water Pump
Filter Press Building:Filter Press #2:Hot Water Pump
Filter Press Building:Filter Press #3:Hot Water Pump
Filter Press Building:Filter Press #5:Hot Water Pump
Filter Press Building:Filter Press #6:Hot Water Pump
Filter Press Building:Filter Press #7:Hot Water Pump
Filter Press Building:Sludge Train #1 Reaction Tank:Mixer
Filter Press Building:Sludge Train #2 Reaction Tank:Mixer
Filter Press Building:Sludge Train #1 Conditioning Tank:Mixer
Filter Press Building:Sludge Train #2 Conditioning Tank:Mixer
BRAINERD MANOR PUMP STATION: Pump #1
BRAINERD MANOR PUMP STATION: Pump #2
CARTER STREET CSOTF: Structure: Odor Control Unit
CENTRAL AVENUE CSOTF: Odor Control Unit 1
CENTRAL AVENUE CSOTF: Odor Control Unit 2
CENTRAL AVENUE CSOTF: Odor Control Unit 3
CENTRAL AVENUE CSOTF: Odor Control Unit 4
LATTA STREET PUMP STATION: Pump #1
LATTA STREET PUMP STATION: Pump #2
O2 Tank System (Unox):Train #1:#1 Mixer Unit
O2 Tank System (Unox):Train #1:#2 Mixer Unit

O2 Tank System (Unox):Train #1:#3 Mixer Unit
O2 Tank System (Unox):Train #1:#4 Mixer Unit
O2 Tank System (Unox):Train #1:#5 Mixer Unit
O2 Tank System (Unox):Train #1:#6 Mixer Unit
O2 Tank System (Unox):Train #1:#7 Mixer Unit
O2 Tank System (Unox):Train #1:#8 Mixer Unit
O2 Tank System (Unox):Train #2:#1 Mixer Unit
O2 Tank System (Unox):Train #2:#2 Mixer Unit
O2 Tank System (Unox):Train #2:#3 Mixer Unit
O2 Tank System (Unox):Train #2:#4 Mixer Unit
O2 Tank System (Unox):Train #2:#5 Mixer Unit
O2 Tank System (Unox):Train #2:#6 Mixer Unit
O2 Tank System (Unox):Train #2:#7 Mixer Unit
O2 Tank System (Unox):Train #2:#8 Mixer Unit
O2 Tank System (Unox):Train #3:#1 Mixer Unit
O2 Tank System (Unox):Train #3:#2 Mixer Unit
O2 Tank System (Unox):Train #3:#3 Mixer Unit
O2 Tank System (Unox):Train #3:#4 Mixer Unit
O2 Tank System (Unox):Train #3:#5 Mixer Unit
O2 Tank System (Unox):Train #3:#6 Mixer Unit
O2 Tank System (Unox):Train #3:#7 Mixer Unit
O2 Tank System (Unox):Train #3:#8 Mixer Unit
O2 Tank System (Unox):Train #4:#1 Mixer Unit
O2 Tank System (Unox):Train #4:#2 Mixer Unit
O2 Tank System (Unox):Train #4:#3 Mixer Unit
O2 Tank System (Unox):Train #4:#4 Mixer Unit
O2 Tank System (Unox):Train #4:#5 Mixer Unit
O2 Tank System (Unox):Train #4:#6 Mixer Unit
O2 Tank System (Unox):Train #4:#7 Mixer Unit
O2 Tank System (Unox):Train #4:#8 Mixer Unit
PINEVILLE PUMP STATION: Pump #1
PINEVILLE PUMP STATION: Pump #2
Filter Press Building:Moyno Feed Pump #2

Infrared Asset List

Plant Annual

Influent PS:Electrical
Primary Sludge System:Primary #1 Electrical
Primary Sludge System:Primary #2 Electrical
EQ Pump Station:Electrical
Blower Building:Electrical
O2 Tank System (Unox):Train #1
O2 Tank System (Unox):Train #2
O2 Tank System (Unox):Train #3
O2 Tank System (Unox):Train #4
Return Sludge Building:Electrical
Dilution Building:Electrical
Thickener PS #1:Electrical
Thickener PS #2:Electrical
Chlorine Building:Electrical
Anaerobic Digester:Digester Bldg. Electrical
InfluentRelief PS:Electrical
Mixed Liquor Channel:Equipment
Plant Grounds: Outside Electrical
Plant Grounds:PlantStorageBldg#1
Plant Grounds:PlantStorageBldg#2
Centrifuge Building #2:Structure:Electrical
Filter Press Building:Structure:Electrical

Pump Station Annual

CITICO PUMP STATION #2: Pump #1
CITICO PUMP STATION #2: Pump #2
CITICO PUMP STATION #2: Pump #3
CITICO PUMP STATION #2: Pump #4
EAST BRAINERD PUMP STATION: Pump #1
EAST BRAINERD PUMP STATION: Pump #2
EAST BRAINERD PUMP STATION: Pump #3
FRIAR BRANCH PUMP STATION: Pump #1
FRIAR BRANCH PUMP STATION: Pump #4
FRIAR BRANCH PUMP STATION: Pump #2
FRIAR BRANCH PUMP STATION: Pump #3
HIXSON PUMP STATION #1: Pump #1
HIXSON PUMP STATION #1: Pump #3
HIXSON PUMP STATION #1: Pump #2
HIXSON PUMP STATION #2: Pump #1
HIXSON PUMP STATION #2: Pump #2

HIXSON PUMP STATION #2: Pump #3
HIXSON PUMP STATION #3: Pump #1
HIXSON PUMP STATION #3: Pump #2
HIXSON PUMP STATION #3: Pump #3
LATTA STREET PUMP STATION: Pump #1
LATTA STREET PUMP STATION: Pump #2
MT CREEK: Pump #1
MT CREEK: Pump #2
ORCHARD KNOB PUMP STATION : Pump #1
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CENTRAL AVENUE CSOTF: Pump #1
CENTRAL AVENUE CSOTF: Pump #2
CARTER STREET CSOTF: Structure: Odor Control Unit