



City of Cleveland

Frank G. Jackson, Mayor

Department of Finance
Division of Purchases & Supplies
601 Lakeside Avenue, Room 128
Cleveland, Ohio 44114-1080
216/664-2620 • Fax: 216/664-2177
www.cleveland-oh.gov

Nov. 25, 2019

ADDENDUM NO. 1

BID TITLE: File no. 149-19 Labor and Materials Necessary to Maintain Wireless Connectivity and Appurtenances

BID DUE: Extended from Wednesday, December 4, 2019 to Wednesday, December 11, 2019. Room 128 City Hall at 12:00 PM.

Attention Bidders:

We have been requested to issue the enclosed Addendum 1 to the above entitled bid project. This addendum is to advise all bidders of the following information:

1. A copy of the non-mandatory pre-bid meeting attendance sheet.
2. Answers to questions received during the non-mandatory pre-bid meeting.
3. Revised Bid Schedule of Items Page #3.
4. Revised Specifications.
5. The last day for questions is Tuesday, December 3, 2019 by 12:00 p.m.
6. Copy of bidders list.

Bid due date has been extended from Wednesday, December 4, 2019 to Wednesday, December 11, 2019. All bids must be sealed and time-stamped in our office on or before 11:59am.

Please acknowledge receipt of this addendum by emailing directly to my attention: jhutcheson@city.cleveland.oh.us and purchasing@city.cleveland.oh.us

Signature of Potential Bidder & Company Name	Today's Date

Also, please attach this addendum to the copy of the specifications furnished to you by this office, as it will have the same force and effect as if it were part of the specifications originally issued.

Thank you,


James Hutcheson, Buyer Division of Purchases & Supplies

Cc: Commissioner Tiffany Johnson/DPS
Deputy Project Director Scott Veley/DPU
Buyer Asst. Royce Griffin/DPS

**CITY OF CLEVELAND, OHIO
DIVISION OF WATER**

**LABOR AND MATERIALS NECESSARY TO MAINTAIN
WIRELESS CONNECTIVITY AND APPURTENANCES – FILE NO. 149-19**

ADDENDUM NO. 1

Extend the bid due date to Wednesday, December 11, 2019 with bids due before 12:00 p.m. and must be date stamped.

Extend the last day for questions to Tuesday, December 3, 2019 by 12:00 p.m.

Copy of the sign-in sheet from the non-mandatory pre-bid meeting is attached.

Bid Schedule of Items page #3 revised to define labor rates, and to include bid items #18-22

Added Wireless Access Points, Indoor/Outdoor Antennas & Switches and Hardware to Section D – Detail Specifications, D-16 through D-18.

D-14: Night work and weekend work is revised as follows:
Overtime Hours (Monday through Friday, 4:30 p.m. to 7:30 a.m.)

Scheduling of overtime work to be conducted shall be at the discretion of CWD.

Saturday Work

Scheduling of work to be conducted on Saturdays shall be at the discretion of CWD.

Sunday Work

Scheduling of work to be conducted on Sundays shall be at the discretion of CWD.

Project Schedule for the Water Treatment Plants only.

Answers to questions received:

1. Question: Do you have the addresses, dimensions, and number of drops for access points at each building?
 - a. Answer: Addresses
 - i. Morgan WTP – 1245 W. 45th St
 - ii. Baldwin WTP – 11216 Stokes Blvd
 1. Kirtland PS – 4901 S Marginal Rd
 - iii. Crown WTP – 955 Clague Rd
 - iv. Nottingham WTP – 1300 Chardon Rd
 - v. Parma Control Center – 5953 Deering Ave.
 - vi. Harvard Yards – 4600 Harvard Ave
 - vii. Secondary sites
 1. West park Garage – 4515 W. 130th St
 2. S Twinsburg tower – 8021 Bavaria Rd

**CITY OF CLEVELAND, OHIO
DIVISION OF WATER**

**LABOR AND MATERIALS NECESSARY TO MAINTAIN
WIRELESS CONNECTIVITY AND APPURTENANCES – FILE NO. 149-19**

ADDENDUM NO. 1

3. Pearl Rd PS – 18640 Pearl Rd Strongsville

b. Dimensions

The Division of Water doesn't have exact dimensions for all the sites. However as an example of the plants, Baldwin WTP has a total square footage of 173,513

c. APs

- i. Morgan WTP – around 110
- ii. Baldwin WTP – around 140
 - 1. Kirtland PS – around 30
- iii. Crown WTP – around 100
- iv. Nottingham WTP – around 130
- v. Parma Control Center – around 30
- vi. Harvard Yards – around 70
- vii. Secondary sites
 - 1. S Twinsburg tower – around 3
 - 2. West park Garage – around 3
 - 3. Pearl Rd PS – around 5

2. Do you have any tentative dates on when building construction is to begin or are any of the buildings completed?

Answer: Upon execution of contract, the Division of Water will issue Notice to Proceed for official start date of the contract with complete details.

3. Is it possible to list labor rates separately for low voltage data fiber technicians and high voltage electrician rates? Right now, it is a total sum but the rates are different and being able to split them will help in overall cost.

Answer: Labor rates shall be quoted as noted in Addendum #1.

4. Also, the night and weekend rates, can that be broken up as night time work, Saturday work, and Sunday work? Breaking up the hours to get a better idea on when labor is needed as labor rates differ drastically if it is on Sunday and can be cheaper for nighttime work is continuous for a work week rather than one night here and there?

Answer: See Addendum #1.

CITY OF CLEVELAND
DEPARTMENT OF PUBLIC UTILITIES/DIVISION OF WATER
NON-MANDATORY PRE-BID MEETING
Monday, October 07, 2019
10:00 a.m.

LABOR AND MATERIALS NECESSARY TO MAINTAIN
WIRELESS CONNECTIVITY AND APPURTENANCES

SIGN-IN SHEET

	REPRESENTATIVE NAME (PLEASE PRINT)	COMPANY NAME (PLEASE PRINT)	TELEPHONE NUMBER	E-MAIL ADDRESS (PLEASE PRINT CLEARLY)
1	DEAN DANIEL	FRONTIER	740-751-5556	DEAN.A.DANIEL@ftr.com
2	Anthony Romo	Frontier	304-517-7110	anthony.romo@ftr.com
3	CHAD MILLER	Frontier	330-447-5261	cmiller@moorecommunications.com
4	Eddie Beirne	CWD	216-501-1556	edward-beirne@clevelandwater.com
5	Scott Veley	DPW	216-664-2444	scott.veley@clevelandwater.com
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**CITYWORKS WIRELESS
POTENTIAL BIDDERS LIST**

Herbst Electric Company
1384 East 26th Street
Cleveland, OH 44114
Phone: 216-621-5890
john@herbstelectric.com

Ullman Electric
3901 Chester Avenue Unit B
Cleveland, OH 44114
Phone: 216-432-5777
tkimnach@ullmanelectric.com

Alternalite Electric, Inc
4171 Linden Circle
North Olmsted, OH 44070
Phone: 440-777-7800
gramos@alternalite.com

B.B.C Electrical Company, Inc
6820 Bushnell CT
Cleveland, OH 44104
Phone: 216-780-0808
bnsjv@sbcglobal.net

North Electric, Inc.
12117 Bennington Ave. Ste. 200
Cleveland, OH 44135
Phone: 216-331-4141 Ext. 4928
north@northelectric.com

BID - SCHEDULE OF ITEMS
City of Cleveland
Division of Purchases And Supplies
128 City Hall
Cleveland, Ohio 44114

BID PAGE 3 of 3

BIDDER MUST
SIGN AND DATE THIS SHEET

AUTHORIZED SIGNATURE

DATE

TITLE OF BID

**LABOR AND MATERIALS NECESSARY TO MAINTAIN
WIRELESS CONNECTIVITY AND APPURTENANCES
ADDENDUM #1**

DESCRIPTION	QUANTITY	UNIT PRICE	EXTENSION
16 Labor - Regular hourly rate 7:00 am-4:00 pm	2500 HRS	\$	\$
17 Overtime Hours 4:00 pm-7:00 am	600 HRS	\$	\$
18 Saturday Hours	200 HRS	\$	\$
19 Sunday Hours	50 HRS	\$	\$
20 Wireless Access Points Manufacturer: _____ Model/Cat.#: _____	600 EA	\$	\$
21 Antennas Manufacturer: _____ Model/Cat.#: _____	600 EA	\$	\$
22 Switches Manufacturer: _____ Model/Cat.#: _____	20 EA	\$	\$

GRAND TOTAL ALL ITEMS:

\$ _____

ALL QUANTITIES ARE APPROXIMATE AMOUNTS. THE CONTRACT, IF ANY, SHALL BE FOR A PERIOD OF ONE (1) YEAR.

DELIVERY
(Days)

PAYMENT DISCOUNT

BIDDER MUST SIGN AND DATE THIS SHEET

%

FOR PURCHASING USE ONLY

**SPECIFICATIONS/DESCRIPTIONS OF PRODUCTS AND/OR SERVICES
DEPARTMENT OF PUBLIC UTILITIES – DIVISION OF WATER**

**LABOR AND MATERIALS NECESSARY TO MAINTAIN
WIRELESS CONNECTIVITY AND APPURTENANCES**

SECTION D – DETAIL SPECIFICATIONS

ADDENDUM #1

D-16 Wireless Access Points

- A. All access points shall have 3 radios: 2.4 and 5 GHz, dual-band WIDS/WIPS
2-stream 802.11ac and 802.11n, up to 1.3 Gbps
Integrated BLE radio
2x2 MU-MIMO 802.11ac Wave 2
Up to 1.3 Gbps aggregate dual-band frame rate
802.3af PoE compatible
- B. 3 radios: 2.4 and 5 GHz, dual-band WIDS/WIPS
3-stream 802.11ac Wave 2 and 802.11n, up to 1.9 Gbps
Gigabit Ethernet port
PoE: Full functionality under 802.3at (compatible with 802.3af)
AC adapter available

D-17 Indoor/Outdoor Antennas

- A. Antennas frequency range shall be 2.4-2.5/4.9-5.85 GHz with a gain of 4/7 dBi. The horizontal beamwidth shall be 99°/58°, and the vertical beamwidth shall be 65°/40°.
- B. Antennas frequency range shall be 2.4-2.5/4.9-5.85 GHz with a gain of 4/6 dBi. The horizontal beamwidth shall be 360°, and the vertical beamwidth shall be 144°/55°.

D-18 Switches and Hardware

- A. 24 port
 - a. high performance 24-port 1/10/25G and 4 port 40/100G
 - b. Catalyst 9300L 24p PoE, 4x10G Uplink
- B. high performance 48-port 25G switch
- C. 12-port 40G switch

Addendum No. 1 - Labor and Materials Necessary to Maintain Wireless Connectivity and Appurtenances

Project Schedule

Sites	Installation (months)
Morgan WTP	3
Baldwin WTP	3
Crown WTP	3
Nottingham WTP	3