

CITY OF BATAVIA

DATE: March 21, 2013
TO: Public Utility Committee
FROM: Robert Rogde, Superintendent of Electric
SUBJECT: Resolution 13-44-R: Authorizing Work Order #12-002 with GS4 to Provide Engineering Services related to Fiber Optic Infrastructure

Summary: The City of Batavia Electric Utility has a back log of fiber optic work. Staff feels the most cost effective method for reducing the back log is to augment Staff with a firm familiar with this type of work. In November of 2012, the City entered in to a Master Services Agreement for this type of work. This second work order is to put the North Kirk Road Water Tower on the fiber optic system. There are also provisions for other uses as we have at the other water towers.

Background: G4S Technology was formally known to us as Adesta. The City of Batavia Electric Utility has work with G4S previously and G4S has always done very good work for us.

In this project we are installing facilities to connect to the fiber optic system. We are installing a vault, a patch panel cabinet, and some conduits for future use. This will enable us to connect the North Kirk Road Water Tower to the fiber optic network. We also have left room for expansion like we have at the other water towers.

GS4's scope of the work:

- Provide labor, equipment, and materials to install a cabinet at the North Kirk Road Water Tower and relocate the existing aerial fiber optic cable to the cabinet.
- The existing slack is coiled on the pole in the southwest corner of the water tower property.
- Three (3) ducts will be placed from the new cabinet to a pole on the southeast corner of the property.
- Relocate aerial slack from the pole to the new cabinet location.
- Pour concrete pad and place the cabinet.
- Place 1 2x3 handhole.
- Place 125 LF of 3-1.25" HDPE from new cabinet to pole along Kirk Road.
- Place FDP (fiber distribution panel) in new cabinet and terminate fibers.
- Create as-built drawings.
- Landscape and restoration.

Staff recommendation:

- Recommend Public Utilities Committee and City Council approve Resolution 13-44-R to authorize execution of Work Order #12-002 with G4S Technology LLC for a not to exceed amount of \$ 28,933.63.

**CITY OF BATAVIA, ILLINOIS
RESOLUTION 13-44-R**

**AUTHORIZING EXECUTION OF WORK ORDER #12-002 WITH G4S
TECHNOLOGY LLC**

WHEREAS, the City of Batavia owns and operates a fiber optic utility; and

WHEREAS, in connection therewith, it is necessary and appropriate to retain professional engineering services for the preparation of plans to upgrade and improve the fiber optic system; and

WHEREAS, the City of Batavia shall execute a Master Services Agreement with G4S Technology LLC for Professional Engineering Services; and

WHEREAS, G4S Technology LLC has the appropriate expertise and experience necessary to provide the professional engineering services for the fiber optic system; and

WHEREAS, Work Order #2 of the Master Services Agreement shall be for the professional engineering services for the North Kirk Road Water Tower Fiber Cabinet; and

WHEREAS, G4S Technology LLC has the appropriate expertise and experience necessary to provide the professional engineering services for the North Kirk Road Water Tower Fiber Cabinet and has submitted a proposal for said services which is fair and reasonable; and

WHEREAS, the estimated total cost of said services is \$28,933.63; and

WHEREAS, funding for said professional engineering services is available in the 2013 City of Batavia Electric Utility budget.

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and City Council of the City of Batavia, Kane and DuPage Counties, Illinois, as follows:

SECTION 1: That the Mayor and City Clerk are hereby authorized to execute a Work Order #12-002 attached hereto as Exhibit 1 for professional services related to expanding and improving the fiber optic system with G4S Technology LLC.

CITY OF BATAVIA, ILLINOIS RESOLUTION 13-44-R

PRESENTED to and **PASSED** by the City Council of the City of Batavia, Illinois, this 1st day of April, 2013.

APPROVED by me as Mayor of said City of Batavia, Illinois, this 1st day of April, 2013.

Jeffery D. Schielke, Mayor

Ward	Aldermen	Ayes	Nays	Absent	Abstain	Aldermen	Ayes	Nays	Absent	Abstain
1	O'Brien					Sparks				
2	Dietz					Wolff				
3	Jungles					Chanzit				
4	Volk					Stark				
5	Frydendall					Thelin Atac				
6	Liva					Clark				
7	Tenuta					Brown				
Mayor Schielke										
VOTE:		Ayes	Nays	Absent	Abstentions					
Total holding office:		Mayor and 14 aldermen								

ATTEST:

Heidi Wetzell, City Clerk

G4S Technology, LLC

City of Batavia
North Kirk Rd Water Tower Cabinet
North Kirk Rd, North of Douglas Rd
Work Order 12-002
December 14, 2012

SCOPE OF WORK:

The following quote involves the estimated labor, equipment and materials to install a cabinet at the North Kirk Rd Water Tower and relocate existing aerial fiber to the cabinet. The existing slack coil is on the pole at the southwest corner of the water tower. Three (3) ducts will be placed from the new cabinet to a pole on the southeast corner of the water tower. The specific scope is as follows.

- Relocate aerial slack from pole to new cabinet location
- Pour concrete pad and place cabinet
- Place 1 2x3 handhole
- Place 125 LF of 3-1.25" HDPE from new cabinet to pole along Kirk Rd
- Place FDP in new cabinet and terminate fibers
- Create as-built drawings
- Landscape and restoration.

The quote assumes the following:

1. G4S will supply all materials
2. All work will be completed during day time hours except splicing which will be during off peak hours.
3. G4S will obtain required permits but Batavia will be responsible for permit fees.
4. Actual hours will be invoiced based on MSA rates
5. A bond is not included in this quote.

PRICING:

Description	Quantity
Labor and Equipment	\$ 22,363.16
Materials	\$ 6,570.47
Not To Exceed Cost	\$ 28,933.63

ACCEPTANCE:

By: _____

Title: _____

Date: _____

City of Batavia

Description: **Kirk Rd Water Twr Cabinet**
 Location: **System Wide**
 Work Order: **12-002**
 Date Updated: **12/7/12**

Position	Unit	Hourly Rate	Quantity	Cost
Fiber Optic Maintenance and Management				
Project Manager	HR	\$ 105.00	8	\$ 840.00
Project Superintendent	HR	\$ 90.00	2	\$ 180.00
Superintendent	HR	\$ 85.00	4	\$ 340.00
General Foreman	HR	\$ 100.00	8	\$ 800.00
Foreman	HR	\$ 92.00	4	\$ 368.00
Foreman - double time	HR	\$ 184.00	8	\$ 1,472.00
Splicer	HR	\$ 85.00	4	\$ 340.00
Splicer - double time	HR	\$ 170.00	8	\$ 1,360.00
OSP Inspector	HR	\$ 172.56	40	\$ 6,902.40
CADD Technician	HR	\$ 94.72	8	\$ 757.76
Operator	HR	\$ 119.00	24	\$ 2,856.00
Operator - over time	HR	\$ 161.00	4	\$ 644.00
Laborer	HR	\$ 92.50	24	\$ 2,220.00
Mini Ex	HR	\$ 30.00	16	\$ 480.00
Trailer	HR	\$ 18.50	24	\$ 444.00
trencher	HR	\$ 35.00	8	\$ 280.00
Reel Cart	HR	\$ 5.50	8	\$ 44.00
Compressor	HR	\$ 30.00	4	\$ 120.00
Splicing Machine	HR	\$ 10.00	8	\$ 80.00
OTDR	HR	\$ 10.00	8	\$ 80.00
Pick Up Truck	HR	\$ 13.50	130	\$ 1,755.00
Total Labor and Equipment Cost				\$ 22,363.16

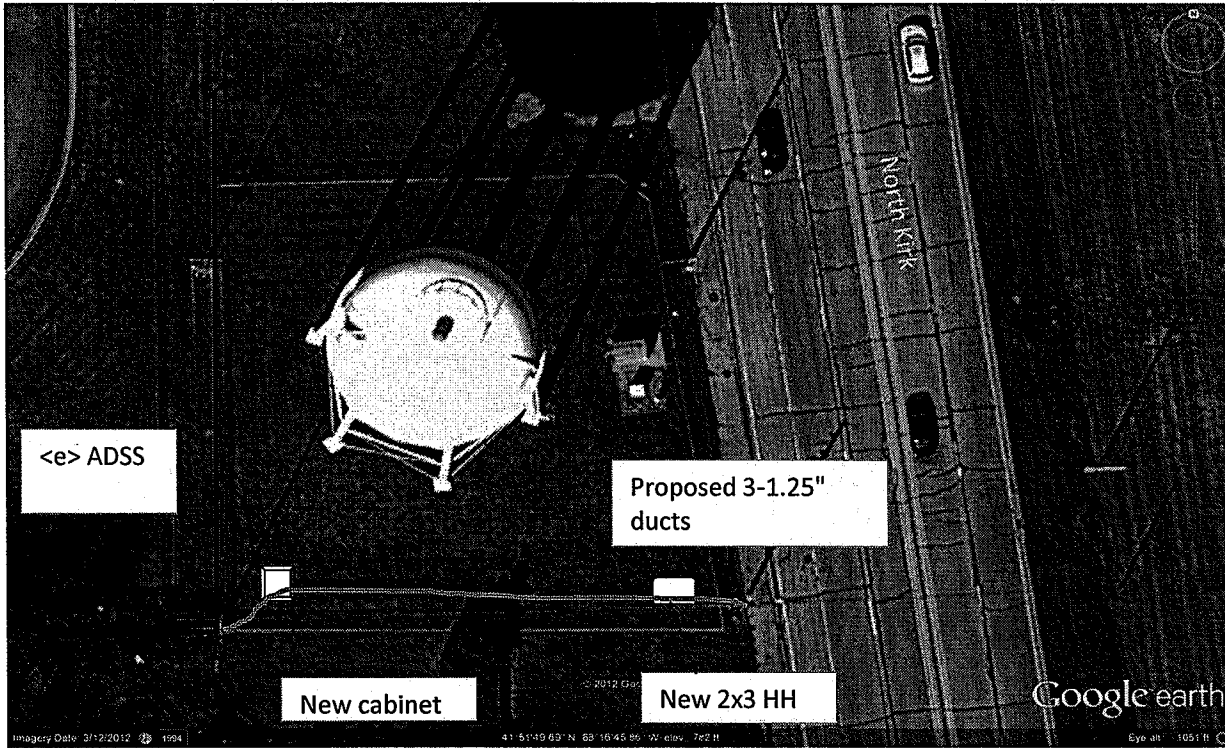
	Unit	Quantity	Waste	Total	Unit Rate	Cost
Material and permits						
Seed	EA	2		2	\$ 8.32	\$ 17
Netting	EA	2		2	\$ 35.48	\$ 71
1.25 SDR 11	EA	375	75	450	\$ 0.55	\$ 248
2x3 handhole	EA	1		1	\$ 600.00	\$ 600
Cabinet	EA	1		1	\$ 2,500.00	\$ 2,500
4" PVC	LF	20		20	\$ 4.25	\$ 85
ground wire	LF	125	25	150	\$ 0.68	\$ 102
Locate post	EA	1		1	\$ 25.00	\$ 25
Misc matl	EA	1		1	\$ 250.00	\$ 250
Plugs	EA	6		6	\$ 4.50	\$ 27
Grounding material	EA	2		2	\$ 25.00	\$ 50
Warning markers	EA	2		2	\$ 25.00	\$ 50
FDP	EA	1		1	\$ 350.00	\$ 350
Pigtails	EA	12		12	\$ 100.00	\$ 1,200
Shipping - 2.5% of Total Material Cost	LS	1	-	1	\$ 139.35	\$ 139
Sub Total						\$ 5,713
Sales Tax						\$ -
Material Markup @ 15%						\$ 857
Material Total						\$ 6,570.47

Total Cost \$ 28,933.63



City of Batavia

North Kirk Road Water Tower Cabinet
Work Order 12-002



Installation of 1 handhole, 1 cabinet, and 3-1.25" HDPE