

**2015 State Damage Prevention Program Grants Progress
Report
CFDA Number:
20.720**

Award Number: DTPH5615GPPS01

Project Title: State Damage Prevention Grants (SDP) –**Date**

Submitted: April 22, 2016

Submitted by: Rick Pevarski

Specific Objective(s) of the Agreement

Under this grant agreement, the Virginia Utility Protection Service (VA 811) will implement a cloud and mobile-based geospatial solution with the ability to support processes to capture and store precise and pedigreed subsurface utility engineering data while incorporating a comprehensive damage prevention process, which can be displayed visually on a Geographical Information System (GIS).

Work scope

Under the terms of this grant agreement, the Recipient will address the following elements listed in the approved application as stated in 49 U.S.C. §60134 (b).

- **Element 1 (Effective Communications):** Participation by operators, excavators, and other stakeholders in the development and implementation of methods for establishing and maintaining effective communications between stakeholders from receipt of an excavation notification until successful completion of the excavation, as appropriate.
- **Element 2 (Comprehensive Stakeholder Support):** A process for fostering and ensuring the support and partnership of stakeholders, including excavators, operators, locators, designers, and local government in all phases of the program.
- **Element 3 (Operator Internal Performance Measurement):** A process for reviewing the adequacy of a pipeline operator's internal performance measures regarding persons performing locating services and quality assurance programs.
- **Element 8 (Technology):** A process for fostering and promoting the use, by all appropriate stakeholders, of improving technologies that may enhance communications, underground pipeline locating capability, and gathering and analyzing information about the accuracy and effectiveness of locating programs.

Accomplishments for this period (Item 1 under Article IX, Section 9.01 Progress Report: “A comparison of actual accomplishments to the objectives established for the period.”)

The objective of this proof of concept project is to implement a cloud and mobile-based geospatial solution with the ability to support processes to capture and store precise and pedigreed subsurface utility engineering data while incorporating a comprehensive damage prevention process, which can be displayed visually on a Geographical Information System (GIS).

This geospatial damage prevention system initiative provides the ability to:

- Access ticket information and field data from mobile devices in real-time
- Capture location based utility field work data with precision, pedigree and provenance
- Real-time data exchange between stakeholders whether in the field or in the office
- Ensure data quality with data governance best practices
- Configure damage prevention business processes including notifications to and from the field
- Collect and map the following data for periodic review and analysis
 - Public awareness efforts identified to a single point address
 - Damage and near miss information
 - Site inspections

This project provides the following business processes:

- Importing the ticket and the utility information
- Presenting ticket information to the field worker
- Capturing any information that a field worker may collect (locate data, pictures, field sketches, etc.)
- Notification to the positive response system
- Collection of all public awareness efforts identified to an unique address
- Collection of damage and near miss data
- Collection of all site inspection data

Accomplishments this period included the following:

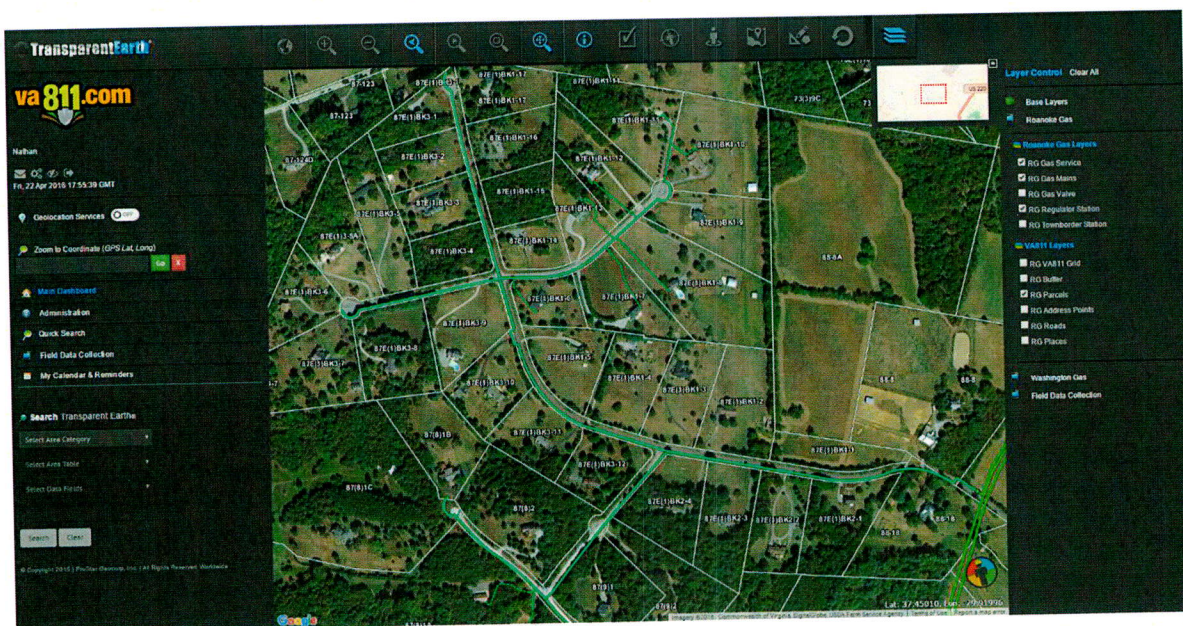
- VA811 and Prostar identified the following phases of the proof of concept project:
 - Phase I: Execution of the Professionals Services Agreement. .Phase I is completed.
 - Phase II: Requirements gathering to complete work to date and confirm VA811 project requirements. Establish a Statement of Work (SOW). Phase II is completed

- Phase III: Execution and delivery of the requirements as stated in the SOW
- Phase IV: User acceptance testing.
- Roanoke Gas was selected to participate in the project
 - Non-disclosure agreements were signed with Roanoke Gas and Prostar
- VA811 is pursuing 2 other Operators to participate in the proof of concept project
- VA811 provided the Road Center Lines, Parcels and Point Addresses for Roanoke Gas
- Roanoke Gas provided the centerline and facility layers which included:
 - Gas valves
 - Regulator Station
 - Town Border Stations
 - Service
 - Mains

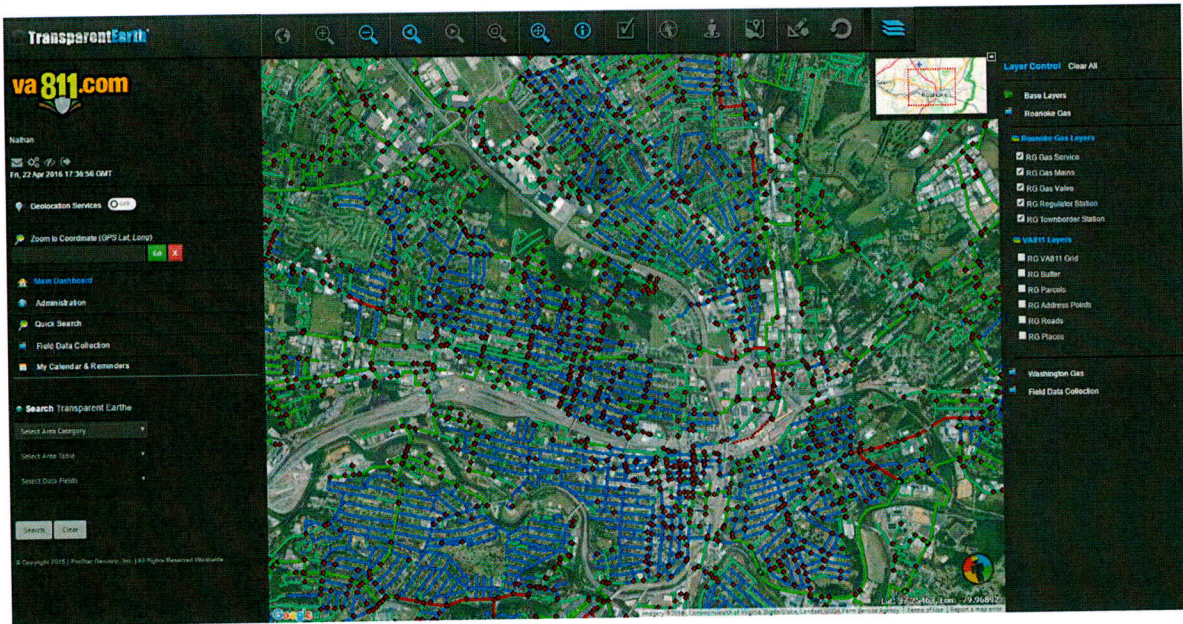
Imports into the Prostar Geospatial application of both the VA811 and Roanoke Gas data was completed.

The below screen shots denote the imported data as displayed within the Prostar application:

Roanoke Gas Distribution and Service Pipeline with parcel layer data:



Roanoke Gas Distribution Service Lines and Gas Valves



Quantifiable Metrics/Measures of Effectiveness (Item 2 under Article IX, Section 9.01 Progress Report: “Where the output of the project can be quantified, a computation of the cost per unit of output.”)

There are no metrics to report at this time. The proof of concept project is in the development phase.

Issues, Problems or Challenges (Item 3 under Article IX, Section 9.01 Progress Report: “The reasons for slippage if established objectives were not met. “)
There are no issues, problems or challenges to report.

Mid-term Financial Status Report

The SF 425 is a separate document. All costs associated with this proof of concept project is contractual.

The contractual agreement with Prostar includes the invoicing VA811 in four phases as stated below:

1. \$25,000 upon execution of the Professional Services Agreement
2. \$25,000 upon signing the Statement of Work
3. \$25,000 upon completion of the development
4. \$25,000 upon successful completion and sign-off of the user acceptance test

To date, VA811 has made the first two payments to Prostar. You will find a copy of the invoices and payments made in Attachment A.

Plans for Next Period (Remainder of Grant)

The following is a list of planned accomplishments for the remaining period of the grant:

- Roanoke Gas
 - Procure the loaner devices needed for the proof of concept test
 - Train the personnel
 - Collect the metrics during the test of the proof of concept
- VA811's goal is to have 2-3 participants. During the remainder of the grant, VA811 will pursue other stakeholders for participation in the proof of concept project.

Requests of the AOR and/or PHMSA

No actions requested at this time.

Attachment A



ProStar GeoCorp, Inc.

760 Horizon Drive, Suite 200
Grand Junction, CO 81506

INVOICE

BILL TO

Virginia Utility Protection
Service, Inc.
1829 Blue Hills Circle, NE
Roanoke, VA 24012

INVOICE # 1136

DATE 01/14/2016

TERMS Due on receipt

DESCRIPTION

AMOUNT
USD

Phase I: Execution of the Professional Services Agreement

25,000.00

Bank information for direct/electronic depositing:

ProStar GeoCorp, Inc.
routing #107002448
account #2600715166
(Bank of Colorado, 200 Grand Ave, Grand Junction, CO 81501)

BALANCE DUE

\$25,000.00

Acct # 1201 Dept. IT
Descr VA811/Prostar PILOT
Project - Payment 1 of 4
Amt 25,000.00 Apprv [Signature]
Accounting Use:
Check # 12825 Date 1/26/16



Virginia Utility Protection Service, Inc.
1829 Blue Hills Circle N.E.
Roanoke, VA 24012

PAY TO THE ORDER OF ProStar GeoCorp, Inc.

Twenty-Five Thousand and 00/100 *****

ProStar GeoCorp, Inc.
760 Horizon Drive, Suite 200
Grand Junction, CO 81506

MEMO Inv #1136; Pmt 1 of 4 for Prostar pilot project

⑈0000012825⑈ ⑆051400549⑆ 2000015276458⑈

VIRGINIA UTILITY PROTECTION SERVICE, INC.

ProStar GeoCorp, Inc.

Date 1/26/2016 Type Reference Bill 1136

Original Amt. 25,000.00

Balance Due 25,000.00

Check Amount

Payment 25,000.00

WELLS FARGO BANK, N.A.
www.wellsfargo.com
68-54/514

12825

1/26/2016

\$ **25,000.00

DOLLARS



Security Features Included

Details on Back

AUTHORIZED SIGNATURE

12825

25,000.00

Wells Fargo Checking Inv #1136; Pmt 1 of 4 for Prostar pilot project



ProStar GeoCorp, Inc.
760 Horizon Drive, Suite 200
Grand Junction, CO 81506

INVOICE

BILL TO

Virginia Utility Protection
Service, Inc.
1829 Blue Hills Circle, NE
Roanoke, VA 24012

INVOICE # 1155**DATE** 02/25/2016**TERMS** Due on receipt**DESCRIPTION****AMOUNT
USD**

Phase 2: Completion and Sign-Off of Statement of Work

25,000.00

Bank information for direct/electronic depositing:

ProStar GeoCorp, Inc.

routing #107002448

account #2600715166

(Bank of Colorado, 200 Grand Ave, Grand Junction, CO 81501)

BALANCE DUE**\$25,000.00**

VIRGINIA UTILITY PROTECTION SERVICE, INC.

12922

ProStar GeoCorp, Inc.

2/29/2016

Date Type Reference
2/29/2016 Bill

Original Amt.
25,000.00

Balance Due
25,000.00

Discount

Payment
25,000.00
25,000.00

Check Amount

Wells Fargo Checking Payment 2 of 4 Prostar grant

25,000.00



1829 Blue Hills Circle, NE
Roanoke, VA 24012
www.VA811.com



Save details to address book

On Jan 25, 2016, at 6:14 PM, Jim Allen <jallen@va811.com> wrote:

Rick,
I recommend approval.

<image002.jpg>

From: Debbie Hofbauer
Sent: Monday, January 25, 2016 4:18 PM
To: Jim Allen <jallen@va811.com>
Subject: Purchase Requisition #dh012516-01 Prostar Project

<image004.png>

Deb Hofbauer
Director, Information Technology
VA811
1829 Blue Hills Circle, NE
Roanoke, VA 24012

Acct # <u>1201</u>	Dept. <u>IT</u>
Descr <u>2nd Payment of 14</u>	
for ProStar Grant	
Amt <u>25,000</u>	Apprv <u>Debbie Hofbauer</u>
Accounting Use:	Date <u>2/29/16</u>
Check # <u>12922</u>	

va811.com

Dig With 811

Virginia Utility Protection Service, Inc.
1829 Blue Hills Circle N.E.
Roanoke, VA 24012

WELLS FARGO BANK, N.A.
www.wellsfargo.com
68-54/514

12922

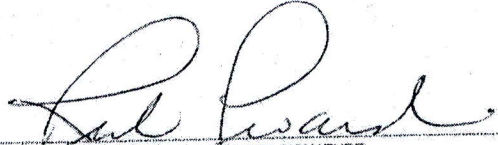
2/29/2016

PAY TO THE ORDER OF ProStar GeoCorp, Inc.

\$ **25,000.00

Twenty-Five Thousand and 00/100***** DOLLARS 1

ProStar GeoCorp, Inc.
760 Horizon Drive, Suite 200
Grand Junction, CO 81506


AUTHORIZED SIGNATURE

MEMO

Payment 2 of 4 Prostar grant

⑈0000012922⑈ ⑆051400549⑆ 2000015276458⑈

VIRGINIA UTILITY PROTECTION SERVICE, INC.

12922

Date	Type	Reference	Original Amt.	Balance Due	2/29/2016 Discount	Payment
2/29/2016	Bill		25,000.00	25,000.00		25,000.00
				Check Amount		25,000.00

Wells Fargo Checking Payment 2 of 4 Prostar grant

25,000.00