


<h1 style="margin: 0;">GEOCOMM</h1>	<p style="margin: 0;">Site/Structure Address Point Layer Updates Work Authorization # 20191105 – HCNE November 6, 2019</p>
<p style="margin: 0;">Geo-Comm, Inc. 601 West St. Germain St. Cloud, MN 56301 Phone: (320) 240-0040 <a href="http://www.geo-comm.com">www.geo-comm.com</a></p>	<p style="margin: 0;">Hall County, Nebraska Jon Rosenlund, Emergency Management Director 100 E First Street Grand Island, NE 68801 Phone: (308) 385-5362 Email: <a href="mailto:jonr@grand-island.com">jonr@grand-island.com</a></p>

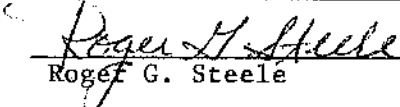
**Scope of Work**

Upon execution of Agreement, GeoComm will provide solutions and services as described in the exhibits.

**Pricing and Payment Terms**

Hall County will pay GeoComm \$21,845 plus applicable sales taxes\* as further described in Exhibit A – Pricing upon project completion and certification by the Nebraska Public Services Commission (PSC).

Hall County Authorization	
Signature	
Print Name	Jon Rosenlund, Director of Emer. Mgt
Purchase Order # (if required)	Resolution 2020-133
Date	6/10/2020


6/10/2020  
 Roger G. Steele Date

\*If entity is tax exempt, please email tax exemption certificate to [dhaus@geo-comm.com](mailto:dhaus@geo-comm.com).

**Exhibit A – Pricing**

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*Prices are valid for a period of 90 days.*

*Total does not include sales tax. Hall County is responsible for paying all sales taxes.*

One Time Cost	Price Per Point	Total Price
Site/Structure Address Point Layer Updates	\$0.84	\$21,845
<b>Total:</b>		<b>\$21,845</b>

## **Exhibit B – Scope of Work**

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GeoComm will update the Site/Structure Address Point (SSAP) layer for Hall County to comply with the NENA Standard for NG9-1-1 GIS Data Model (NENA-STA-006.1-2018) and NENA guidelines for SSAP layer development (NENA-INF-014.1-2015).

The SSAP layer will be updated following industry best practices, which will result in a final SSAP layer that can be used in the most common public safety/9-1-1 applications, including future Next Generation 9-1-1 address validation and call routing. GeoComm's approach includes leading industry experts who will complete the following phases to provide an exceptional product that will meet the needs of Hall County as well as future Next Generation 9-1-1 (NG9-1-1) Location Validation/Call Routing in the State:

- Phase One: Project Initiation
- Phase Two: Site/Structure Address Point Layer Updates
- Phase Three: Quality Control
- Phase Four: Final Review and Updates

GeoComm will provide regular status updates that will include:

- General progress updates
- Meetings held, planned, or needed
- Issues/problems encountered or anticipated
- Goals for the next reporting period
- Schedule review
- Hall County responsibilities

### **Phase One: Project Initiation**

After receiving a signed contract, one of the first steps is to make certain the GeoComm project team has an in-depth understanding of Hall County's project goals. To accomplish this, our staff will hold a project initiation conference call with you to:

- Introduce project stakeholders to the GeoComm project team
- Review project objectives and goals
- Define mutual expectations
- Establish communication processes
- Review the project timeline, including periodic progress reporting
- Review State of Nebraska GIS data standards
- Discuss initial GIS data schema
- Discuss existing resources that may be used in developing the GIS data layer

## Phase Two: Site/Structure Address Point Layer Updates

GeoComm will update the SSAP layer for Hall County to comply with the NENA Standard for NG9-1-1 GIS Data Model (NENA-STA-006.1-2018) and NENA guidelines for SSAP layer development (NENA-INF-014.1-2015).

### Site/Structure Address Point Layer Updates

GeoComm will update the SSAP layer for Hall County based on resources provided by the County. If there are any discrepancies between approved project resources, GeoComm will work with Hall County for verification.

SSAP layer update processes will include:

#### GIS Schema Review and Updates

The GIS data schema for the SSAP layer will be reviewed to determine compliance with NENA-STA-006.1-2018, while ensuring the final layer also remains in compliance with specifications for local systems.

GeoComm will attribute fields defined as Mandatory by NENA if needed and resources are available.

#### Spatial Updates and Address Development

Using the tax parcels as a guide, GeoComm will review and update the existing SSAP layer for Hall County. Points will be placed on structure when possible. As part of the update process, GeoComm will review all existing SSAP's using the provided parcel layer and ortho imagery to ensure all addressed structures are accounted for in Hall County. Point placement methodology will follow recommendations outlined by NENA.

For multi-unit structures (e.g., apartment complexes, strip malls, mobile home parks) where a point does not already exist, GeoComm will create one new point for each building with a unique street address number (not including unit numbers) and will work with Hall County to establish an agreed-upon point placement methodology. If multiple points already exist for individual units of a multi-unit structure, these points will be retained but will not be moved. Alignment for individual units can be provided for an additional fee.

#### Confirmation of Point Placement and Address Accuracy

Points that cannot be accurately added or updated using available resources will be placed at the best-known location and flagged as needing further/or future investigation. After GeoComm has finished initial SSAP layer updates, a shapefile or list of address points that could not be confidently built will be provided to Hall County for review. This list will include assessment codes or notes detailing why the address or location is in question.

Hall County would be responsible for confirming the correct address or address location and providing that information to GeoComm within 30 days or agreed upon timeframe. GeoComm will adjust address points based on feedback provided within this timeframe.

Note Alternatively, Hall County may contract with GeoComm for field verification to investigate questionable addresses. This service can be provided upon request, for an additional fee. Pricing will vary based on the number of points requiring verification.

#### Synchronization

GeoComm will compare the SSAP layer to the following:

- Road centerline
- ALI database
- Master Street Address Guide (MSAG)

Addresses in the SSAP layer that do not match the above noted resources, will be reviewed and appropriate updates will be made to either the SSAP layer, Road centerline layer, MSAG, or ALI database.

Note Updates to the road centerline layer, MSAG, or ALI will be completed as part of Hall Counties existing GIS Maintenance agreement

## **Phase Three: Quality Control**

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Quality control (QC) is an integral part of all our projects. Before the final GIS data is provided to Hall County, GeoComm's GIS Specialists will complete numerous QC audits to ensure the final map data deliverables are accurate.

GeoComm's QC methods are specific to the GIS data needs of the public safety industry; we have developed and implemented a structured QC program to increase the accuracy of public safety GIS data. GeoComm's QC procedures are powered by GeoComm GIS Data Hub, which offers the ability to export detailed results to ensure that all errors are found and fixed.

After Hall County's GIS data updates are complete, it will be run through the QC checks and data condition results will be compiled. Issues detected outside of scope will be referred back to Hall County for resolution. The QC process will proceed as follows:

- GeoComm will perform quality control checks on the submitted data
- GeoComm will correct the GIS data errors outlined in the data quality reports provided by the system that are within scope of the project agreement
- The data will be rerun through the QC checks to verify the changes have been properly made

## **Phase Four: Final Review and Updates**

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After initial map data updates are complete, GeoComm will provide a list of remaining errors for Hall County to review.

GeoComm will complete one additional comparison of the ALI database and MSAG to the map data layers if updated versions are provided within one month of the delivery of the suggestions. GeoComm will review the results of this comparison and complete additional map data updates, if deemed necessary.

When the final updates are complete, GeoComm will provide Hall County with the deliverables outlined in the following section.

## **Exhibit C – Customer Responsibilities**

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It is requested that Hall County provide the following general project support:

- Provide pertinent project information and documentation
- Assist in ongoing quality control
- Provide a single point of contact at Hall County available for communication throughout the project and system implementation
- Submit required GIS information (e.g. GIS map data, public safety databases, and/or other resources) to our website (<http://www.geo-comm.com/industries/gis/data-submission/>)

In addition to the requirements above, Hall County will be responsible for the following project-specific support:

- Assist in coordinating and attend periodic conference calls
- Existing GIS data in Esri format including map projection information
- Current copies of Hall County's ALI database and MSAG in Microsoft Excel format
- Provide current copy of the parcel layers for Hall County with associated property address (SITUS) for each parcel
- Confirm location of questionable addresses provided by GeoComm within a 30-day or agreed upon timeframe