

TASK ORDER 3

Client:	Dinwiddie County
Project Name:	Dinwiddie County NG911 GIS Services
Client PM:	Denice Crowder
GeoDecisions PM:	Brett Jones
Task Order Number	3
Governed by the Terms and Conditions of the Professional Services Agreement Dated:	May 21, 2019
Date Submitted:	December 11, 2019

DESCRIPTION OF TASK ORDER

GeoDecisions will provide NG911 data development and remediation services for Dinwiddie County. This set of project tasks is focused on evaluating, standardizing, updating, correcting and synchronizing key public safety datasets, including that of the GIS, MSAG and ALI. Last year, Virginia Geographic Information Network (VGIN) provided detailed data analysis to the County that revealed some required data updates to make it compatible with NG911 requirements.

SCOPE OF WORK – REQUIRED TASKS

1. Validate Centerlines
 - a. Road centerline data will be compared to and reconciled with ALI report
 - b. Discrepancies in street names and ranges will be identified and corrected
 - c. Duplicate and overlapping ranges will be identified and corrected
 - d. Road centerline data will be converted into NG911 schema
2. Reconcile and Validate Address Data
 - a. Address data will be compared to and reconciled with ALI report
 - b. Duplicate and missing street information in address data will be identified and corrected
 - c. Discrepancies in street names between address data and road centerline data will be identified and corrected
 - d. Address data will be converted into NG911 schema
3. Corrections to ALI/ANI
 - a. ANI/ALI data will be compared with corrected road centerline and address data to identify any remaining discrepancies
 - b. Necessary corrections will be documented and provided to Dinwiddie County. Dinwiddie will then provide the updates to the ALI/ANI vendor.
4. ESN Boundary Reconciliation
 - a. ESN boundaries will be reviewed and corrected for gaps, overlaps, duplicates, and slivers

Task Order 3

- b. Discrepancies between ESN boundaries and road centerline data will be identified and corrected
 - c. ESN boundary data will be converted into NG911 schema
- 5. Establish and Automate Maintenance Procedures & Documentation
 - a. Data maintenance procedures will be established and documented to ensure that road centerline data, address data, and ANI/ALI data remain in agreement throughout future data updates
 - b. Automated procedures will be included whenever possible
- 6. Post-Review Data Processing
 - a. Identify and correct any invalid geometries or NULL records within RCL and address data.
 - b. Use Data Reviewer tool in order to find any gaps or overlapping address ranges for all RCL records. Identify any address points that fall outside of current RCL address ranges.
- 7. Additional Centerline Corrections
 - a. Road centerlines will be compared to and reconciled with MSAG report
 - b. Additional road centerline attributes will be reviewed and corrected
 - c. Additional road centerline geometry will be reviewed and corrected for gaps, overlaps, duplicates, and slivers
- 8. Additional Address Corrections
 - a. Address data will be geocoded, and errors will be corrected
 - b. Address data will be reviewed and corrected for odd/even agreement and consistency
- 9. MSAG Corrections
 - a. MSAG report will be compared to and reconciled with corrected road centerline data
 - b. Discrepancies in street names and ranges will be identified
 - c. Necessary corrections will be documented and provided to Dinwiddie County. Dinwiddie will then provide the updates to their MSAG vendor.
- 10. Addressable Structure Field Verification
 - a. Any remaining address points that require correction following validation against the data sources listed above will be verified in the field

SCHEDULE

The work performed for this task order is expected to last 14 weeks following project kickoff.

TASK BUDGET AND INVOICING

For the required tasks identified above, GeoDecisions has developed the following budget:

Task #	TASK	PRICE
1	Validate Centerlines	\$8,384.70
2	Reconcile and Validate Address Data	\$14,095.50
3	Corrections to ALI/ANI	\$1,234.83
4	ESN Boundary Reconciliation	\$1,957.58
5	Establish and Automate Maintenance Procedures & Documentation	\$9,207.69
6	Post-Review Data Processing	\$3,987.64
7	Additional Centerline Corrections	\$13,029.75
8	Additional Address Corrections	\$9,780.22
9	MSAG Corrections	\$1,234.83
10	Addressable Structure Field Verification	\$21,280.36
	TOTAL PRICE:	\$84,193.10

The total cost for all task items associated with this GIS data project is **\$84,193.10**, with \$38,867.94 potentially funded through the PSAP Grant Program (Tasks 1 through 6). Prices for this task order are fixed and include all time, materials, and other associated project costs. Invoicing will occur monthly on percent complete. Payment terms are Net 30.

PROJECT ASSUMPTIONS

- GeoDecisions is not responsible for obtaining ANI/ALI and MSAG data from the specific vendors.
- County is responsible for providing ANI/ALI and MSAG corrections to specific vendors.
- Field verification is limited to 120 hours, including travel to/from GeoDecisions' office in Richmond.
- County staff will be available to respond to questions in a timely manner (within two business days) when data sources do not match.
- GeoDecisions is not responsible for officially changing addresses identified as out of sequence or RCLs whose ranges need to be changed beyond a simple change.

Task Order 3

SIGN-OFF

By accepting this Task Order, Dinwiddie County understands and agrees to the scope and budget specified in this document.

Accepted

Rejected

Client Project Manager Name

Client Project Manager Signature

Date

GeoDecisions Vice President Name

GeoDecisions Vice President Signature

Date

Client Comments: