



NextGen9-1-1 GIS Data Remediation Services QVL CT232350001 through CT232350015

Issuance Date: November 20, 2023

CONTRACT PERIOD/RENEWAL OPTIONS

Original Contract Period: November 20, 2023 through December 31, 2026

Available Renewal Period Options: None

Potential Final Expiration Date: December 31, 2026

BUYER CONTACT INFORMATION

Name: Kelly Miller
Email: Kelly.Miller@oa.mo.gov
Phone Number: (573) 751-4885

ALL PURCHASES MADE UNDER THESE CONTRACTS MUST BE FOR **PUBLIC USE ONLY**. PURCHASES FOR PERSONAL USE BY PUBLIC EMPLOYEES OR OFFICIALS ARE PROHIBITED.

A state agency shall be defined as a division, section, bureau, office, program, board, regional/district office, etc., that exists within a department of Missouri State Government.

The entire contract document may be viewed and printed from the Division of Purchasing's **Awarded Bid & Contract Document Search** located on the Internet at:

<https://purch.oa.mo.gov/bidding-contracts/awarded-bid-contract-document-search>.

The contracts awarded on this qualified vendor list by the State of Missouri for NG911 GIS Data Remediation Services are not exclusive arrangements. Local entities may request services on an as needed, if needed basis.



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ORGANIZATION

Contract History

Contract Information

Instructions and Information

Contract Scope of Work

Attachment 1 – NG9-1-1 GIS Data Remediation Services Project Assessment Quotation (PAQ)



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CONTRACT HISTORY

The following table summarizes actions related to this Notification of Contract:

ACTION ISSUE DATE	SUMMARY OF CHANGES
11/20/2023	Initial issuance of contracts CT232350001 –CT232350015.



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CONTRACT INFORMATION

<u>CONTRACT NUMBER</u>	<u>MissouriBUYS Number</u>	<u>CONTRACTOR INFORMATION</u>
CT232350001	MB00151628	BPM Advisors LLC 4031 Hampstead Rd La Canada, CA 91011 Contact: Ahmad Iqbal aiqbal@bpmadvisors.com 818-720-7331
CT232350002	MB00170443	Cloudpoint Geospatial 1407 W Front St, PO Box 1017 Roanoke, IL 61561 Contact: Bill Steele bstele@cloudpointgeo.com 877-377-8124
CT232350003	MB00197173	Digital Data Technologies Inc 2323 W. Fifth Ave, Suite 210 Columbus, OH 43204 Contact: Daniel Casey dcasey@ddti.net 614-429-3384 ext. 223



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<u>CONTRACT NUMBER</u>	<u>MissouriBUYS Number</u>	<u>CONTRACTOR INFORMATION</u>
CT232350004	MB00025764	GeoComm 1100 W Saint Germain St, Ste 300 Saint Cloud, MN 56301 Contact: Stacen Gross sgross@geocomm.com 320-281-2186
CT232350005	MB00119109	Geographic Technologies Group PO BOX 10135 Goldsboro, NC 27532 Contact: Curt Hinton chinton@geotg.com 919-344-2169
CT232350006	MB00099892	Horner & Shifrin Inc 401 S. 18th St., Ste 400 St. Louis, MO 63103 Contact: John Gilmore jgilmore@hornershifrin.com 314-335-8688



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<u>CONTRACT NUMBER</u>	<u>MissouriBUYS Number</u>	<u>CONTRACTOR INFORMATION</u>
CT232350007	MB00007998	Intrado Life & Safety Inc 1601 Dry Creek Dr. Longmont, CO 80503 Contact: Valorie Taylor vtaylor@intrado.com 512-754-1903
CT232350008	MB00151328	Michael Baker International Inc 500 Centre Drive, Suite 600 Santa Ana, CA 92707 Contact: Shannon Dyer DMProcurement@datamarkgis.com 720-466-9307
CT232350009	MB00051895	Mission Critical Partners LLC 690 Gray's Woods Blvd. Port Matilda, PA 16870 Contact: Coty Cooper cotycooper@missioncriticalpartners.com 888-862-7911



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<u>CONTRACT NUMBER</u>	<u>MissouriBUYS Number</u>	<u>CONTRACTOR INFORMATION</u>
CT232350010	MB00197568	<p>Mi-Tech Services Inc 46 South Rolling Meadows Drive Fond du Lac, WI 54937</p> <p>Contact: Dean Kaderabek dkaderabek@mi-tech.us 920-883-2361</p>
CT232350011	MB00165092	<p>Motorola Solutions Connectivity Inc. 500 W Monroe Street Chicago, IL 60661</p> <p>Contact: Carlos Simmonds carlos.simmonds@motorolasolutions.com 936-320-1035</p>
CT232350012	MB00195288	<p>SchraGIS LLC 7000 Spring Park Drive Jefferson City, MO 65109</p> <p>Contact: Buster Schrag schragisolutions@gmail.com 573-821-9166</p>



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<u>CONTRACT NUMBER</u>	<u>MissouriBUYS Number</u>	<u>CONTRACTOR INFORMATION</u>
CT232350013	MB00195459	Spatial Data Research Inc PO Box 684 Olathe, KS 66051 Contact: Penny Knight pknight@sdrmaps.com 913-485-7806
CT232350014	MB00154835	Surveying and Mapping LLC 501 N. Market St. Maryville, MO 64468 Contact: Matt Sorensen Matt.sorensen@sam.biz 660-215-7100
CT232350015	MB00087076	WTH Technology Inc 3665 Washington Blvd. Indianapolis, IN 46205 Contact: Beverly Sargent bsargent@wthtechnology.com 317-259-0105



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INSTRUCTIONS AND INFORMATION



USE OF CONTRACT: Local entities requiring NG911 GIS Data Remediation Services may use the contracts on an as needed, if needed basis.

Contracts awarded as a result of RFPT30034902302350 have been established for the purposes of allocating state funding for NG911 GIS Data Remediation Services provided directly to local entities. Only the vendors awarded contracts on this qualified vendor list can be paid for NG911 GIS Data Remediation Services provided directly to local entities utilizing state funding. The State of Missouri, Department of Public Safety, and Missouri 911 Service Board shall bear no financial responsibility for any payments due to the contractor by non-state governmental entities (e.g. cities, counties, etc.) beyond the funding allocated by the state agency.

To meet the needs of the local entities throughout the state, the Division of Purchasing reserves the right to add more contractors subsequent to the initial award of contract(s) by conducting a separate procurement process(es) to supplement the list of qualified vendors. Qualifying vendors may be added as additional contractors subject to the same considerations identified in RFPT30034902302350 regarding award of a contract.

Evaluation responsibilities of the State: The state has included the firm, fixed hourly rate for each contractor, the awarded MBE/WBE Participation points, and the awarded bonus preference points in this contract notification.

Evaluation responsibilities of the Local Entities: When local entities have a need for NG9-1-1 GIS data remediation services, local entities must issue a NG9-1-1 GIS Data Remediation Services Project Assessment Quotation (PAQ) (Attachment 1, contained within this document, beginning on page 30) to a **minimum of three (3) contractors** as a means:

- (1) To competitively bid a specific project;
- (2) To identify the specific tasks to be performed; and
- (3) To establish the total price to be paid to the awarded contractor upon completion of the specified tasks.



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Approval and Award of PAQ: For each PAQ response, the local entity shall total (1) the cost points derived from the cost analysis, (2) the subjective evaluation score (“best” score) awarded during the PAQ response evaluation process, (3) the MBE Participation points awarded during the evaluation of RFPT30034902302350, and (4) the bonus preference points awarded during the evaluation of RFPT30034902302350. The contractor with the highest total points shall be awarded the specific project. The full PAQ Requirements (RFP Section 2.2) are contained within this document, beginning on page 19.

Contractor 1	Awarded Points	Maximum Points
Cost Points		40
Subjective Evaluation Score		150
MBE Participation Points		10
SDVE Bonus Preference Points		3
Total Points		203

Contractor 2	Awarded Points	Maximum Points
Cost Points		40
Subjective Evaluation Score		150
MBE Participation Points		10
SDVE Bonus Preference Points		3
Total Points		203

Contractor 3	Awarded Points	Maximum Points
Cost Points		40
Subjective Evaluation Score		150
MBE Participation Points		10
SDVE Bonus Preference Points		3
Total Points		203

**A template Excel spreadsheet has been created as a tool to assist local entities in calculating the PAQ cost points. The awarded MBE participation points and SDVE bonus preference points are identified on page 17 of this document.



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Pricing Information

CT232350001 - BPM Advisors LLC	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
Project Manager	\$165
Sr. GIS Developer/Architect	\$175
GIS Developer	\$155
Business Analyst/QA Analyst	\$125

CT232350002 - Cloudpoint Geospatial	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
Director	\$225
Project Manager	\$195
Geospatial (Solutions) Engineer/GIS Analyst/Developer 4	\$200
Geospatial (Solutions) Engineer/GIS Analyst/Developer 3	\$190
Geospatial (Solutions) Engineer/GIS Analyst/Developer 2	\$170
Geospatial (Solutions) Engineer/GIS Analyst/Developer 1	\$150
GIS Associate/Professional 4	\$180
GIS Associate/Professional 3	\$165
GIS Associate/Professional 2	\$155
GIS Associate/Professional 1	\$140
GIS Technician 4	\$160
GIS Technician 3	\$135
GIS Technician 2	\$115
GIS Technician 1	\$90
GIS Intern	\$85
Administrative	\$75



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CT232350003 - Digital Data Technologies Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
Project Manager	\$150
GIS Data Analyst	\$100

CT232350004 - GeoComm	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
2023 Rate: GIS Specialist	\$135
2023 Rate: GIS Analyst	\$185
2023 Rate: Project Manager	\$214
2023 Rate: GIS Specialist, (Travel Included)	\$185
2023 Rate: GIS Analyst, (Travel Included)	\$235
2023 Rate: Project Manager, (Travel Included)	\$264
2024 Rate: GIS Specialist	\$151
2024 Rate: GIS Analyst	\$207
2024 Rate: Project Manager	\$240
2024 Rate: GIS Specialist, (Travel Included)	\$201
2024 Rate: GIS Analyst, (Travel Included)	\$257
2024 Rate: Project Manager, (Travel Included)	\$290
2025 Rate: GIS Specialist	\$158
2025 Rate: GIS Analyst	\$217
2025 Rate: Project Manager	\$252
2025 Rate: GIS Specialist, (Travel Included)	\$208
2025 Rate: GIS Analyst, (Travel Included)	\$267
2025 Rate: Project Manager, (Travel Included)	\$302
2026 Rate: GIS Specialist	\$166
2026 Rate: GIS Analyst	\$228
2026 Rate: Project Manager	\$265
2026 Rate: GIS Specialist, (Travel Included)	\$216
2026 Rate: GIS Analyst, (Travel Included)	\$278
2026 Rate: Project Manager, (Travel Included)	\$315



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CT232350005 - Geographic Technologies Group	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
Senior Project Manager	\$164
Project Manager	\$120
GIS Senior Analyst	\$139
GIS Analyst	\$125
GIS Senior Technician	\$78
GIS Technician	\$72

CT232350006 - Horner Shifrin Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GP01 Geomatics Professional	\$274
GP02 Geomatics Professional	\$261
GP03 Geomatics Professional	\$183
GP04 Geomatics Professional	\$164
GP05 Geomatics Professional	\$146
GP06 Geomatics Professional	\$128
GT01 Geomatics Technical	\$192
GT02 Geomatics Technical	\$164
GT03 Geomatics Technical	\$146
GT04 Geomatics Technical	\$134
GT05 Geomatics Technical	\$116
GT06 Geomatics Technical	\$103



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CT232350007 - Intrado Life Safety, Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Analyst	\$125
GIS Analyst Onsite – Day 1 (includes travel expenses, requires 8 hours minimum)	\$344
GIS Analyst Onsite – Day 2 & Beyond	\$157
GIS Project Manager	\$135
GIS Project Manager Onsite – Day 1 (includes travel expenses, requires 8 hours minimum)	\$354
GIS Project Manager Onsite – Days 2 & Beyond	\$167

CT232350008 - Michael Baker International Inc. (DATAMARK)	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
Principal in Charge	\$225
Senior Project Manager	\$195
Public Safety Technical Advisor	\$185
Project Manager	\$167
Requirements Analyst	\$160
GIS Technical Manager	\$145
Senior GIS Analyst	\$140
GIS Analyst	\$118
GIS Technician	\$108
Administrative Support	\$85

CT232350009 - Mission Critical Partners, LLC	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Technician	\$151.34
GIS Specialist	\$178.22
Addressing Specialist	\$182.35
Senior GIS Specialist	\$188.81



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CT232350010 - Mi-Tech Services Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Manager	\$95
GIS Specialist	\$75
GIS Technician	\$60

CT232350011 - Motorola Solutions Connectivity Inc.	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Analyst 1	\$100
GIS Analyst 2	\$125
GIS Analyst 3	\$150
GIS Analyst 4	\$200
GIS Analyst 5	\$225

CT232350012 - SchraGIS L.L.C.	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Analyst	\$85

CT232350013 - Spatial Data Research Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Specialist I	\$110
GIS Specialist II	\$125
GIS Addressing Specialist	\$135
911 GIS Analyst	\$145
GIS Project Manager	\$150
911 GIS Subject Matter Expert (SME)	\$200



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CT232350014 - Survey and Mapping Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
GIS Office Tech I	\$80
GIS Office Tech II	\$100
Field Coordinator	\$95
GIS Field Tech	\$80
Project Manager	\$140
Senior Project Manager	\$160
Office Administration	\$95
Operations Manager	\$215

CT232350015 - WTH Technology Inc	
Personnel Classification	Firm, Fixed Hourly Rate for Original Contract Period
Project Manager	\$225
Senior GIS Production Technician	\$200
GIS Production Technician	\$175
Service Technician	\$175



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Participation/Preference Points

Contract - Contractor	Awarded Participation	Points Awarded	Awarded Preference	Points Awarded
CT232350001 – BPM Advisors	MBE – BPM Advisors LLC (primary contractor)	7	SDVE – Vilntus LLC dba W2T.io (subcontractor)	3
CT232350002 – Cloudpoint Geospatial	None	0	None	0
CT232350003 – Digital Data Technologies Inc.	None	0	None	0
CT232350004 – GeoComm	None	0	None	0
CT232350005 – Geographic Technologies Group	None	0	None	0
CT232350006 – Horner Shifrin Inc.	None	0	None	0
CT232350007 – Intrado Life Safety Inc.	None	0	None	0
CT232350008 – Michael Baker International Inc. (DATAMARK)	None	0	None	0
CT232350009 – Mission Critical Partners LLC	None	0	None	0
CT232350010 – Mi-Tech Services Inc.	None	0	None	0
CT232350011 – Motorola Solutions Connectivity Inc.	None	0	None	0
CT232350012 – SchraGIS LLC	None	0	None	0
CT232350013 – Spatial Data Research Inc.	None	0	None	0
CT232350014 – Surveying and Mapping LLC	None	0	None	0
CT232350015 – WTH Technology Inc.	None	0	None	0



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2.1 General Requirements:

- 2.1.1 The contractor shall provide Next Generation 9-1-1 (NG9-1-1) GIS data remediation services for the Department of Public Safety (DPS), Missouri 911 Service Board (the Board) (hereinafter collectively referred to as state agency or individually as DPS or the Board) on behalf of local entities in accordance with the provisions and requirements stated herein and to the sole satisfaction of the state agency.
- a. For purposes of the contract, a state agency shall be defined as a division, section, bureau, office, program, board, regional/district office, etc., that exists within a department of Missouri State Government.
- 2.1.2 The contractor shall provide the services on an as needed, if needed basis. The State of Missouri does not guarantee any usage of the contract whatsoever. The contractor shall understand and agree that the contract shall not be construed as an exclusive arrangement.
- 2.1.3 Because the State of Missouri needs multiple contractors throughout the state to effectively meet the state agency's demand for NG9-1-1 GIS data remediation services, the Division of Purchasing reserves the right to add more contractors subsequent to the initial award of contract(s) by conducting a separate procurement process(es) to supplement the list of qualified vendors. Qualifying vendors may be added as additional contractors subject to the same considerations identified herein regarding award of a contract.
- 2.1.4 The contractor must provide NG9-1-1 GIS data remediation services for local entities to develop a fully functional, working NG9-1-1 dataset that conforms to the Missouri NG9-1-1 GIS Data Standard, which may include:
- a. Assess and document PSAP GIS operations and maintenance workflow, and
- b. Creation, editing, and remediation of GIS data that meets a minimum validation rate of 90% when validated against the Missouri NG911 Data Standard.
- 2.1.5 When services are requested by a local entity, all services set forth in this RFP and required by the requesting local entity, shall be performed by a single contractor.
- 2.1.6 The contractor must follow the below identified order of reference when creating, standardizing, and maintaining GIS data for NG9-1-1 in Missouri:
1. The Missouri NG9-1-1 GIS Data Standard
 2. NENA Standard for NG9-1-1 GIS Data Model
 3. Local requirements



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- 2.1.7 The contractor shall understand and agree that the GIS data must meet the criteria set forth in this document to provide accuracy, consistency, and assimilation into a statewide NG9-1-1 GIS dataset.
- 2.1.8 The contractor shall understand and agree that the GIS data may be reviewed by the Board at certain milestones for compliance.
- 2.1.9 The contractor shall not provide raw or processed data obtained or created in performance of work related to this contract to any facility or individual located outside the United States.
- 2.1.10 The contractor shall not utilize individuals or facilities located outside the United States to perform services related to the contract, unless the contractor provides an acceptable exception to Executive Order 04-09 and the PAQ authorizes the provisions of services from outside the continental United States. All exceptions to the Executive Order 04-09 must be approved the Division of Purchasing.
- 2.1.11 Unless otherwise specified herein, the contractor shall furnish all material, labor, facilities, equipment, and supplies necessary to perform the services required herein.
- 2.1.12 Cooperative Procurement Program: The contractor shall participate in the State of Missouri's Cooperative Procurement Program. The contractor shall provide the products and/or services as described herein under the terms and conditions, requirements, and specifications of the contract, including prices, to other government entities in accordance with the Technical Services Act (section 67.360, RSMo, which is available on the internet at: <https://revisor.mo.gov/main/OneSection.aspx?section=67.360&bid=2758&hl=>). The contractor shall further understand and agree that participation by other governmental entities is discretionary on the part of that governmental entity. The following website identifies the current members of the Cooperative Procurement Program: <https://purch.oa.mo.gov/media/pdf/cooperative-procurement-program-members-listing>.
- 2.1.13 Other Entities May Order: The Division of Purchasing reserves the right to allow other government entities (e.g. cities, counties, etc.) to order from the contract.
- 2.2 NG9-1-1 GIS Data Remediation Services Project Assessment Quotation (PAQ) Requirements:**
- 2.2.1 The contractors awarded a contract from this RFP will be placed on the qualified vendor list, which will be the only contractors allowed to participate in responding to a NG9-1-1 GIS Data Remediation Services PAQ request.
- 2.2.2 When a local entity has a need for NG9-1-1 GIS data remediation services (hereinafter referred to as "project," in this section), the local entity will issue a NG9-1-1 GIS Data Remediation Services Project Assessment Quotation (PAQ) (Attachment 1) to a minimum of three (3) contractors as a means to (1) competitively bid a specific project, (2) to identify the specific tasks to be performed, and (3) to



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establish the total price to be paid to the awarded contractor upon completion of the specified tasks. The PAQ process shall occur in a controlled sequence of proposals and approvals by the local entities as outlined below.

- a. At the time the local entity needs to purchase a project, a detailed description, availability, and firm, fixed total price for the project will be requested from a minimum of three (3) contractors, and the local entity will award the purchase to the “lowest and best” contractor at the time, in accordance with the requirements stated herein. All terms and conditions of the contract shall apply to all PAQs. Determination of PAQ specifications for each project shall be made by the ordering local entity.
 - b. Other factors that affect the determination of the lowest priced qualified vendor will include consideration of Minority Owned Business Enterprises (MBE)/ Women Owned Business Enterprises (WBE) Participation, Blind/Sheltered Workshop Preference, and Service-Disabled Veteran Business Enterprises (SDVE) Preference.
- 2.2.3 PAQ Request- The local entity will issue a PAQ to a minimum of three (3) contractors for the project required. If the contractor cannot provide services according to the local entity’s needs, the contractor must immediately notify the local entity. The contractor shall make every effort to meet the needs of the local entity. The local entity shall document each instance of the contractor’s inability to provide the required services. If the contractor continually or consistently is unable to provide the required services, the Division of Purchasing may elect to cancel the contract.
- 2.2.4 PAQ Response – By the date specified by the local entity in the PAQ, the contractor must respond with a PAQ response which provides a detailed description, availability, and firm, fixed total price for the project to fulfill the PAQ request. At a minimum, the contractor’s PAQ response should include the following:
- a. Project Overview: A statement of the contractor’s understanding of the GIS data remediation project and the technical needs of the project.
 - b. Resources: A description of the contractor’s personnel and facility/supply resources to be provided in order to fulfill the project. A description of the minimum qualifications for the contractor’s personnel being offered for the project, including a description outlining their skills, experience, and knowledge/education.
 - c. Approach/Methodology: A description of the contractor’s approach for completion of the project work. This description should include:
 - 1) Project Management Plan, project tracking and reporting the progress of the project, etc.
 - 2) Functional definition of requirements that outlines how the contractor would provide the services. This description should describe how the requirements/specifications will be fulfilled by the proposed service offerings and to what degree the requirements are met and/or exceeded. This description should also include by whom, when, with what, why, where, etc., the requirements shall be satisfied by the contractor’s proposed solution for the project.



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- 3) Change Control Plan,
 - 4) Issue Tracking Plan,
 - 5) Quality Assurance (QA) Plan: A description should be included of the contractor’s QA process to be utilized for the project tasks, schedule, deliverables, and testing in order to ensure that project work is on track and expectations are met or exceeded. The QA process shall be expected to be proactive to ensure not only that the schedule is met, but also that product and service quality is maintained.
 - d. Availability: A statement of the contractor’s availability to meet the mandatory deadlines and estimated project start and end dates provided by the local entity for the GIS data remediation project.
 - e. Cost Response: Firm, fixed total price to fulfill the project defined in the PAQ. The contractor’s PAQ cost response must delineate hourly rates and the number of hours used to derive the firm, fixed total project cost(s). The hourly rates of personnel classifications outlined in the PAQ cost response must match the contractor’s firm, fixed PAQ pricing quoted in Exhibit A, Pricing Page of the contractor’s awarded proposal. All expenses, including travel-related expenses, must be included within the firm, fixed total price. No separate or additional reimbursement shall be made for travel related expenses.
 - 1) The firm, fixed total price stated in the awarded PAQ shall not be increased unless the local entity requests a corresponding increase in the scope of work under the PAQ. In no event shall the contractor charge more than the firm, fixed total price as approved in the PAQ by the local entity, unless the local entity later amends the PAQ to increase the scope of work.
 - 2) PAQ pricing shall be based on the total cost of the project.
- 2.2.5 Evaluation Of PAQ Responses - Each PAQ shall be evaluated based on a 200 evaluation point scale with the cost analysis representing forty (40) evaluation points. The local entity shall document in writing their evaluation justification regarding their award determination. The local entity will choose the “lowest and best” among the contractors at the time NG9-1-1 GIS data remediation services are needed.
- a. The local entity shall have the right to reject a PAQ response for services due to, but not limited to, noncompliance with the following: proposed method, availability, delivery time, etc.
 - b. Evaluation of Cost - The following evaluation point formula shall apply to determine cost evaluation points for each specific purchase:

<u>Lowest Responsive Contractor’s Price</u>	x	40 Maximum Cost	=	Awarded Cost
Compared Contractor’s Price		Evaluation Points		Evaluation Points

- c. Evaluation of Subjective (“best” score) - For each PAQ response received, the local entity shall conduct a subjective analysis in conducting a comparative assessment of the PAQ responses and shall subjectively assign a point value of up to 150 points for the subjective portion of the evaluation. The local entity shall document in writing their evaluation justification regarding their assignment of points.



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2.2.6 Approval and Award of PAQ

- a. For each PAQ response, the local entity shall total (1) the cost points derived from the cost analysis, (2) the subjective evaluation score (“best” score) awarded during the PAQ response evaluation process, (3) the MBE/WBE Participation points awarded during the evaluation of RFPT30034902302350, and (4) the bonus preference points awarded during the evaluation of RFPT30034902302350. The contractor with the highest total points shall be awarded the specific project.

EVALUATION ELEMENT	MAXIMUM POINTS
Cost	40 points
Subjective	150 points
MBE/WBE Participation	10 Points
TOTAL	200 points
Bonus Point Preference	
Organization for the Blind and Sheltered Workshop Preference	15 points
Missouri Service-Disabled Veteran Business Enterprise Preference	3 points
Details for the subjective evaluation criteria are further defined in the PAQ form, Attachment 1.	

- b. The awarded contractor, the local entity, and the Board must indicate acceptance of the project by signing and dating the PAQ response document. The local entity (1) must retain one signed copy; (2) must send one copy of the signed and awarded PAQ to the contractor awardee; and (3) must send one copy of the signed and awarded PAQ to the Board. The local entity will inform all responding contractors as to who received the award.

2.2.7 Implementation/Execution of PAQ- After receipt of local entity written acceptance of a PAQ for the project, the contractor shall perform the services required in accordance with the approved PAQ accepted by the local entity. Unless otherwise specified in the PAQ, the contractor shall furnish all material, labor, facilities, equipment, and supplies necessary to perform the services.

2.2.8 Modifications to PAQ – After implementation/execution of a PAQ, if the local entity determines that modifications within the intent of the PAQ are necessary or desired, the local entity will document the requested changes to the contractor with any new instructions for the project. Based on the written instructions provided by the local entity, the contractor must revise the PAQ according to the requirements for the PAQ Response specified herein, including any resulting changes in the timeline, amount to be paid to the contractor, etc.



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- a. Any requested changes must still be within the intent and scope of the original PAQ and the contract.
 - b. The contractor shall not proceed with implementation of services related to the revised PAQ until final written approval and authorization to proceed is obtained from the local entity and Board.
- 2.2.9 Termination of PAQ - The local entity shall have the right to terminate any project at any time at the sole discretion of the local entity, without penalty or recourse, by giving written notice to the contractor at least five (5) working days prior to the effective date of such termination. However, the local entity will make every attempt to provide the contractor with more than five (5) working days' notice. In the event of termination pursuant to this paragraph, all documents, data, reports, and accomplishments prepared, furnished or completed by the contractor pursuant to the terms of the contract shall, at the option of the State of Missouri, become the property of the State of Missouri. The contractor shall be entitled to receive just and equitable compensation for work completed in accordance with the PAQ prior to the effective date of the termination.
- 2.3 Contractor Requirements:**
- 2.3.1 The prime contractor must have a minimum of three (3) years of experience with NG9-1-1 GIS data remediation service projects within the last five (5) years.
- 2.4 PSAP GIS Operations and Maintenance Workflow Requirements:**
- 2.4.1 The contractor shall assess and document the local entity's PSAP GIS operations and maintenance workflow, which at a minimum shall include the following information:
- a. Does the PSAP have GIS Operations and Maintenance Workflow, for example address assignment workflow?
 - 1) Documented
 - 2) Undocumented
 - 3) Does not exist
 - b. Who in the PSAP jurisdiction is responsible for issuing addresses, the Agency, Department, or Organization?
 - c. What is the policy of the PSAP for Address Point Placement?
 - 1) Center of structure
 - 2) Entrance of driveway
 - 3) Does urban placement policy differ from rural placement?
 - 4) Other
 - d. What is the policy of the PSAP for handling multi-address structures and/or sites such as businesses, shopping centers, apartments, mobile home parks?
 - 1) On-point with a related table or listing of sub-addresses
 - 2) On-structure at approximate location of sub-address
 - 3) Other
-



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- e. What CAD/Mapping software is used by PSAP?
- f. Does PSAP have GIS software, for example ArcGIS Desktop or ArcPro?
- g. Who maintains GIS database for the PSAP?
- h. Who is responsible for MSAG / ALI synchronization?
- i. If PSAP is not responsible for MSAG, then how is the PSAP informed of changes and/or updates to the MSAG?
- j. When was the GIS database last updated and how frequently is it updated?
- k. Is GIS data co-shared and/or co-maintained with other PSAPs? If so, which entities are involved?
- l. How current is the aerial imagery captured and what is its resolution?
- m. What GIS Data Layers are currently captured by the PSAP?

2.5 GIS Data Remediation Requirements:

- 2.5.1 The contractor shall create NG9-1-1 GIS data containing required attributes for NG9-1-1 GIS data. The contractor shall refer to the Missouri NG9-1-1 GIS Data Standard and NENA Standard for NG9-1-1 GIS Data Model for attribute creation. The contractor may add additional attribute fields to any GIS layer to meet local requirements. At the time this RFP was issued, the Missouri NG9-1-1 GIS Data Standard does not define the required Domains. The Board will provide this information once available. It is the Board's preference that PSAPs go through the process of standardizing and synchronizing their existing GIS data with their MSAG and ALI as described in NENA Information Document for Synchronizing Geographic Information System Databases with MSAG & ALI (NENA standard 71-501). If not completed by the local entity, the contractor shall standardize and synchronize the local entity's existing GIS data with the local entity's MSAG and ALI as described in NENA Information Document for Synchronizing Geographic Information System Databases with MSAG & ALI (NENA standard 71-501).
- 2.5.2 The required layers for Missouri NG9-1-1 GIS Data Standard follows the NENA standard with the addition of the strongly recommended layers of Incorporated Municipality Boundary and County Boundary. The required layers must be available for the NG9-1-1 system and public safety systems to support emergency response. Parcel data is NOT A REQUIREMENT, and the state agency will NOT provide funding for parcel updates and will refuse any parcel data.
 - a. Required Layers – the following layers are required for the Missouri NG9-1-1 GIS Data Standard:
 - 1) Road Centerlines
 - 2) Site/Structure Address Points
 - 3) PSAP Boundaries
 - 4) Emergency Service Boundaries (law enforcement, fire/rescue, emergency medical services)
 - 5) Provisioning Boundaries
 - 6) Incorporated Municipality Boundaries
 - 7) County Boundaries



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- b. Strongly Recommended – The following layers may aid in the functionality of the ECRF and LVF and are strongly recommended for call taking and dispatch operations:
 - 1) Street Name Alias Table
 - 2) Landmark Name Part Table
 - 3) Complete Landmark Name Alias Table
 - 4) States or Equivalents
 - 5) Unincorporated Community Boundary
 - 6) Neighborhood Community Boundary
 - 7) Other Emergency Service Boundaries (which at a minimum MAY include: Poison Control, Forest Service, Coast Guard, Animal Control, etc.)
 - c. Recommended – The following layers complete the minimum NENA recommended GIS data for NG9-1-1 and E9-1-1 call taking and dispatch operations:
 - 1) Railroad Centerlines
 - 2) Hydrology Line
 - 3) Hydrology Polygon
 - 4) Cell Site Location
 - 5) Mile Marker Location
- 2.5.3 Local entities may maintain GIS data in any datum and coordinate system desired, however, GIS data must be transformed into the World Geodetic System of 1984 (WGS 1984) prior to its use in NG9-1-1 systems. The contractor shall transform GIS data in i3 to the WGS84 format for portal upload and to support interoperability between all systems and all sites across the US, as referenced in NENA STA 010.
- a. Geodetic parameters for WGS84 are specified by the European Petroleum Survey Group (EPSG) as follows:
 - 1) For 2-dimensional geometries the geodetic parameters are required to follow EPSG::4326
 - 2) For 3-dimensional geometries the geodetic parameters are required to follow EPSG::4979
- See also NENA GIS Data Collection and Maintenance Standards (NENA 02-014) for further reference of GIS data collection.
- 2.5.4 Data Features Quality and Accuracy: Quality Control is an all-encompassing management approach that combines technical, qualitative, and human resources to evaluate the quality of GIS data to meet the requirements of a system. The contractor shall analyze each GIS data layer, individually and in relation to others, to determine where integrity issues exist.
- 2.5.5 The contractor shall analyze the GIS data in accordance with the following:
- a. All 9-1-1 GIS features must adhere to topological rules as identified below:
 - 1) Lines
 - Must not overlap



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- Must not have dangles
 - Must not be multipart
 - Must not self-intersect
 - Lines must be split at all intersections and at all boundaries
 - FROM/TO nodes must follow flow of addressing and may not contain duplicate or overlapping address ranges
 - Must have valid geometry
- 2) Points
- Must not have duplicates
 - Must have valid geometry
- 3) Polygons
- Must not overlap
 - Must not have gaps/slivers
 - Must not be multipart
 - Must snap to coincidental line and polygon features
 - Must have valid geometry

Refer to the Missouri NG9-1-1 GIS Data Standard and the NENA GIS Data Collection and Maintenance Standards (NENA 02-014).

- b. Attribute content must reflect the most current, accurate values available in relation to the real world feature it describes.
- c. Addressing should be sequential and locatable.

2.5.6 The contractor should make every effort to work in conjunction with other local entities when a feature is shared on a joint boundary.

2.6 Metadata Requirements:

2.6.1 Metadata is a file of information that captures the basic characteristics of the data and information resource and represents the who, what, when, where, why, and how of the resource. The contractor shall create Metadata for all GIS data sets. The metadata shall meet the standards as set forth in the Missouri NG9-1-1 GIS Data Standard. Local entities will maintain Metadata for all GIS data sets. The Content Standard for Digital Geospatial Metadata states that non-Federally authored standards that are endorsed by the Federal Geographic Data Committee (FGDC) have the same status as FGDC developed standards. ISO 19115 and the associated standards are endorsed by the FGDC.

Current FGDC metadata standards, including references to ISO Standards, may be found at: <https://www.fgdc.gov/metadata/geospatialmetadata-standards>.



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2.7 Validation of Final Data Requirements:

- 2.7.1 The Board requires the completed GIS data be validated against the Missouri NG911 Data Standard utilizing the Missouri NG9-1-1 Data Aggregation and Validation System. The GIS data must pass validation with a minimum 90% pass rate by the Missouri NG9-1-1 Data Aggregation and Validation System prior to the contractor receiving payment.
- 2.7.2 The contractor shall provide confirmation of the completed GIS data validation with a minimum 90% pass rate to the local entity and the Board.

2.8 Reporting Requirements:

- 2.8.1 On a quarterly basis by no later than ten (10) calendar days after the end of the reporting period, the contractor shall provide the local entity and the Board with a progress report outlining the following:
- The specific deliverables performed/completed during the reporting period.
 - The specific deliverables completed to date and the completion dates of such deliverables.
 - The specific deliverables and projected completion date(s) remaining to be completed.

2.9 Financial Records and Document Retention:

- 2.9.1 The contractor shall maintain all financial records, supporting documentation, and all other records pertinent to the contract for a period of five (5) years from the date of the final payment by the state agency or the completion of an audit, whichever is later, or as otherwise stated in the contract.
- If any litigation, claim, negotiation, audit, investigation, or other action involving the records has been started before the expiration of the five (5) year period, the contractor shall retain the records until completion of such action and resolutions of all issues that arise from it or until the end of the regular five (5) year period, whichever is later.
 - If the state agency is subject to any litigation, claim, negotiation, audit, or other action involving the records, the state agency will notify the contractor in writing to extend the contractor's retention period.

2.10 Electronic Funds Transfer, Invoicing, and Payment Requirements:

- 2.10.1 Electronic Funds Transfer (EFT) - The State of Missouri will submit contract payments to the contractor at the remittance address listed in the contractor's MissouriBUYS vendor registration. However, the contractor understands and agrees the state reserves the right to make contract payments to the contractor through electronic funds transfer (EFT). Therefore, prior to any payments becoming due under the contract, the contractor must verify and update, if applicable, their vendor registration with their current remittance address and ACH-EFT payment information at <https://MissouriBUYS.mo.gov>.



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- a. The contractor shall use uniquely identifiable invoice numbers to distinguish an invoice from a previously submitted invoice and shall include on the invoice the remittance address listed in the contractor's MissouriBUYS vendor registration.
- b. The invoice number will be listed on the State of Missouri's EFT addendum record to enable the contractor to properly apply the state agency's payment to the invoice submitted. The contractor may obtain detailed information for payments issued for the past 24 months from the State of Missouri's central accounting system (SAM II) on the Vendor Services Portal at:
<https://www.vendorservices.mo.gov/vendorservices/Portal/Default.aspx>.

2.10.2 Invoicing –

- a. The contractor shall submit invoices after the contractor has received confirmation of validated GIS data. The contractor shall perform the services prior to invoicing the state agency.
- b. The contractor shall invoice the state agency on the contractor's original descriptive business invoice form and submit the invoice to the address of the local entity identified in the approved PAQ.

2.10.3 Payment –

- a. Upon the receipt and approval of an invoice prepared according to the terms of the contract and with a minimum 90% pass rate by the Missouri NG9-1-1 Data Aggregation and Validation System, the state agency will pay the contractor in accordance with the firm, fixed total price in the approved PAQ.
 - 1) If the contractor fails to deliver all the services specified in the PAQ and the GIS data fails to pass validation with a minimum 90% pass rate by the Missouri NG9-1-1 Data Aggregation and Validation System, the payment for all services shall be withheld until all services have been provided to and accepted by the local entity and confirmation of the completed GIS data validation with a minimum 90% pass rate is provided to the local entity and the Board. Payment shall not be made in advance; all payments shall be made in arrears (i.e., upon delivery and acceptance of all services).
 - 2) The State of Missouri shall bear no financial responsibility for any payments due to the contractor by non-state governmental entities (e.g. cities, counties, etc.) beyond the funding allocated by the state agency.

2.10.4 Notwithstanding any other payment provision of the contract, if the contractor fails to perform required work or services, fails to submit reports when due, or is indebted to the United States, the state agency may withhold payment or reject invoices under the contract.

2.10.5 If the contractor is overpaid by the state agency the contractor, upon notification by the state agency, shall provide the state agency (1) with a check payable as instructed by the state agency or (2) deduct the overpayment from the invoice(s) as requested by the state agency.



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2.10.6 Other than the payments specified in the contract, no other payments shall be made to the contractor.



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ATTACHMENT 1

NG9-1-1 GIS Data Remediation Services Project Assessment Quotation (PAQ)

This Project Assessment Quotation (PAQ) is pursuant to the Next Generation 911 GIS Data Remediation Services Qualified Vendor List (QVL) contracts awarded as a result of RFPT30034902302350. The contractor understands and agrees that the terms and conditions specified in their awarded contract apply to this PAQ, except where a term or condition in this PAQ is more restrictive than that in the above referenced contract no., in which case the PAQ terms will govern.

TO BE COMPLETED BY THE LOCAL ENTITY	
PAQ Issue Date:	PAQ Response Due Date:
Contract No.:	
Local Entity:	
Local Entity Address:	
Point of Contact at Local Entity:	
Local Entity Point of Contact's Phone Number:	
Local Entity Point of Contact's Email Address:	

TO BE COMPLETED BY THE CONTRACTOR	
Contractor Company Name:	
Contractor Address:	
Contractor Point of Contact:	
Contractor Point of Contact's Phone Number:	
Contractor Point of Contact's Email Address:	
If under this contract you committed to use a MBE and/or SDVE, please state if you intend to use a MBE and/or SDVE for this PAQ. Yes _____ No _____	
If your response was "Yes," please complete the information below for each awarded MBE and/or SDVE you propose for this PAQ <i>(add lines as necessary)</i> :	
MBE and/or SDVE Name:	
Type [MBE and/or SDVE]:	
Percentage or Dollar Amount of work that MBE and/or SDVE will perform for this PAQ:	
MBE and/or SDVE Address:	
Specific work that MBE and/or SDVE will perform, noting the PAQ provisions related to such work:	



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ATTACHMENT 1, continued

TO BE COMPLETED BY THE LOCAL ENTITY

NG9-1-1 GIS DATA REMEDIATION SERVICES REQUIREMENTS:

The local entity must provide a brief description of the services required of the contractor below:

<p>INTRODUCTION/OVERVIEW: <i>(This section should provide a brief description of the project.)</i></p>
<p>PROJECT GOALS AND OBJECTIVES: <i>(This section should provide a concise overview of the project effort goals and objectives, and how the results or end products will be used)</i></p>
<p>REQUIREMENTS/TASKS: <i>(This section defines the tasks that the contractor must complete for the project. This section should provide a detailed itemization and description of all of the project tasks which shall be completed by the contractor (i.e. project work), including requirements for and specified frequency of any required status reports)</i></p>
<p>DELIVERABLES: <i>(This section should clearly state what the contractor must deliver)</i></p>
<p>LOCAL ENTITY TASKS and/or RESPONSIBILITIES: <i>(This section should include Local Entity furnished data, property, and/or place of performance)</i></p>



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PROJECT CLARIFICATIONS:

(This section should include Local Entity special information necessary for the contractor to provide an appropriate PAQ response, i.e. GIS data exists, no GIS data exists, paper maps only, maintenance frequency of any existing GIS data, etc.)

Mandatory Deadline(s):

Estimated Project Start Date:

Estimated Project End Date:



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TO BE COMPLETED BY THE CONTRACTOR

The contractor’s PAQ response must provide a detailed description, availability, and firm, fixed total price for the project to fulfill the PAQ request. At a minimum, the contractor’s PAQ response should include the following: Project Overview, Resources, Approach/Methodology, Availability and Cost Response.

NG9-1-1 GIS DATA REMEDIATION SERVICES PROJECT OVERVIEW, RESOURCES, APPROACH/METHODOLOGY, and AVAILABILITY:

Subjective Evaluation: 150 points

The contractor should complete the tables below providing a PAQ response to the following: Project Overview, Resources, Approach/Methodology, and Availability.

<p>PROJECT OVERVIEW: The contractor should provide a statement of the contractor’s understanding of the GIS data remediation project and the technical needs of the project.</p>
<p>RESOURCES: The contractor should provide a description of the contractor’s personnel and facility/supply resources to be provided in order to fulfill the project.</p> <p>The contractor should provide a description of the minimum qualifications for the contractor’s personnel being offered for the project, including a description outlining their skills, experience, and knowledge/education.</p>
<p>APPROACH/METHODOLOGY: The contractor should provide a description of the contractor’s approach for completion of the project work. The contractor’s description should include:</p> <ol style="list-style-type: none"> 1) Project Management Plan, project tracking, and reporting the progress of the project, etc. 2) Functional definition of requirements that outlines how the services shall be provided by the contractor. This description should describe how the requirements/specifications will be fulfilled by the proposed service offerings and to what degree the requirements are met and/or exceeded. This description should also include by whom, when, with what, why, where, etc., the requirements shall be satisfied by the contractor’s proposed solution for the project. 3) Change Control Plan 4) Issue Tracking Plan 5) Quality Assurance (QA) Plan: A description should be included of the contractor’s QA process to be utilized for the project tasks, schedule, deliverables, and testing in order to ensure that project work is on track and expectations are met or exceeded. The QA process shall be expected to be proactive to ensure not only that the schedule is met, but also that product and service quality is maintained.
<p>AVAILABILITY: The contractor should provide a statement of the contractor’s availability to meet the mandatory deadlines and estimated project start and end dates provided by the local entity for the GIS data remediation project.</p> <p>Contractor’s availability to meet the mandatory deadline(s):</p> <p>Contractor’s availability to meet the estimated Project Start and End Date:</p>



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ATTACHMENT 1, continued**

NG9-1-1 GIS DATA REMEDIATION SERVICES COST RESPONSE:

Objective Evaluation of Cost: 40 points

The contractor shall provide a firm, fixed total price to fulfill the project defined in the PAQ. The contractor’s PAQ cost response must delineate hourly rates and the number of hours used to derive the firm, fixed project cost(s). The hourly rates of personnel classifications outlined in the PAQ cost response must match the contractor’s firm, fixed PAQ pricing quoted in Exhibit A, Pricing Page of the contractor’s awarded proposal. All expenses, including travel-related expenses, must be included within the firm, fixed total price. No separate or additional reimbursement shall be made for travel related expenses.

Personnel Classifications	Firm, Fixed Hourly Rates (including travel)		Total Project Hours		Firm, Fixed Extended Price
	\$	X		=	\$
	\$	X		=	\$
	\$	X		=	\$
FIRM, FIXED TOTAL PRICE:					\$

APPROVALS REQUIRED TO PROCEED:

Printed Name:	Signature:	Date
Contractor:		
Local Entity:		
Missouri 911 Service Board:		