NG9-1-1 GIS Grant Program Application Form

Eligible applicants should complete this form and submit with the required documentation to interop@widma.gov by the deadline specified in the Grant Announcement. If you are experiencing issues submitting your application, please call [608] 888-5501 for assistance.

Section 1: Applicant Information	
A. Agency Name	Sauk County
B. Physical Address	PSAP Location: 1300 Lange Court Baraboo, WI 53913
C. Mailing Address (Leave blank if same as above)	505 Broadway Baraboo, WI 53913
D. Main Point of Contact	Name: Steve Pate
	Title: MIS Director
	Email: steve.pate@saukcountywi.gov
	Phone: 608-355-3542
E. Secondary Point of Contact (Must be different from above)	Name: Joe Fleischmann
	Title: GIS Coordinator
	Email: joe.fleischmann@saukcountywi.gov
	Phone: 608-355-3570
F. Signatory Official	Name: Brent Miller
	Title: Administrator
	Email: brent.miller@saukcountywi.gov
	Phone: 608-355-3573

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Section 2: Project Narrative

A. Provide a summary of the proposed grant project(s) to be funded during the grant period. In addition, the summary should include information in the following areas:

- **The proposed project(s) alignment with a remediation report or the Wisconsin NG9-1-1 GIS Implementation Plan. If you require a copy of the 2020-21 remediation report for your county or NG9-1-1 GIS Implementation Plan, please contact OEC staff as soon as possible.**
- **Whether the proposed project(s) provides wide ranging benefits to or coordination with multiple counties and/or statewide.**
- **If applying for new GIS staffing, include an outline detailing the goals and milestones associated with the work that will be completed during the duration of the project period. (This will be used to track progress through Quarterly Reports)**

Project A: The funding will be used to purchase ALI Database Extracts to continue to meet and surpass the 98% match rate between the GIS data and ALI database. Sauk County worked diligently in 2024 to correct all critical error and bring the data up to standards to successfully load into EGDMS. We are at the 98% match rate between ALI and the GIS, but plan to clean up the last 2% next year to make sure all calls are routed properly. After our successful data load into AT&T's EGDMS, we delivered the data to GeoComm's GIS Data Hub as their validation is more stringent than EGDMS and its important to us to have the best quality data available for NG911. According to GeoComms's validation report the ALI to RCL synchronization has dropped to 93.4% and the ALI database extract will help us correct any errors encountered. To accomplish this task we need to pull data from the ALI database more frequently. Our goal is to be a model for other counties and pave the way for meeting the standards and exceeding the standards.

Project B: countywide, leaf-off, 3-inch pixel orthoimagery, produced to meet a horizontal accuracy of 0.7 feet RMSE.

Our county is requesting funding for 3-inch pixel, leaf-off orthoimagery as a participant in the Wisconsin Regional Orthoimagery Consortium (WROC). This enhanced resolution orthoimagery will allow our GIS team to create and improve our address points, road centerlines, buildings and driveway locations, which are all critical NG911 datasets. The 3-inch pixel orthoimagery has four times the clarity and twice the horizontal accuracy as 6-inch pixel orthoimagery, which will allow us to capture missing buildings under heavy tree canopy and accurately place the address points within them, which will save valuable time for 1st responders. A future project for Sauk County dispatch is to capture rural driveway locations so the length from the street to the house can be acquired to determine how much hose, water pressure and trucks are needed to combat the fire. Fire truck cannot pump water effectively if the distance is greater than 600ft and this information will help them better plan for resources. This high resolution orthoimagery allows the county to efficiently create and maintain our NG911-related data layers from the office, and keeps our staff out of harm's way in the field. The higher resolution will significantly aid dispatchers and emergency response teams on the ground as obstacles and barriers such as fences will be clearly visible.

The 3-inch pixel orthoimagery project is a great example of using grant funds to benefit public safety and emergency response at the municipal, county, and state level. In addition, the WROC approach brings consistent orthoimagery across county boundaries and throughout the state. The final statewide result of 3" resolution will provide one seamless product allowing us to more accurately edge match GIS data between counties. Sauk County will continue to work with its neighboring counties to achieve this seamless edge matching of our boundaries. The higher resolution provides the mechanism to more accurately capture/adjust future NG911 datasets like railroads, hydrology, cell towers and location markers along roads and trails. The consortium fosters economies of scale to help reduce costs, customized datasets for counties, data sharing between members and partners, and procurement support. These benefits are tied directly to the NG911 GIS grant objectives.

In 2010 and 2020, WROC counties and partners joined forces to fund statewide leaf-off orthoimagery. Statewide coverage is expected again by 2025 and many counties are interested in 3-inch pixel orthos to support NG911 mapping. The 3-inch orthos have improved detail and spatial accuracy that is becoming the standard for infrastructure related mapping and data extraction.

For more information visit:
https://www.ncwrpc.org/wisconsin-regional-orthoimagery-consortium-wroc/

B. Provide a proposed timeline for your project(s), including proposed start/end date, anticipated purchasing process plan and implementation schedule. Timeline should not exceed June 1, 2026.

Project A: It is anticipated that the project start immediately in January 2025. We will request an ALI database extraction, compare the data utilizing GIS Data Hub and correct the non matches in the GIS data itself or through AT&T's Public Safety Platform/MSAG database interface. We will allow some time for the MSAG corrections to make it to the ALI database, then pull a 2nd extract. Repeat the process and pull a 3rd extract if needed.
January 1st - Request 1st extract of ALI database
April/May - Request 2nd extract of ALI database
Sept Oct - Request 3rd extract of ALI database.

Project B: The procurement process for WROC 2025 has been completed by the North Central Wisconsin Regional Planning Commission (NCWRPC) through a Quality Based Selection (QBS) process. Procurement documentation is available upon request from NCWRPC.

December 31, 2024: contracting completed
March-May 2025: spring flights occur
June 2025 - February 2026: ortho processing and deliverable production
June 2025 - February 2026: Imagery publish out for consumption into the dispatch system.
June 2025 - February 2026: Land Information\GIS staff will begin capturing/adjusting data not visible in older 6" imagery - This is not part of the cost of the imagery, but a result of the higher resolution.
January - March 2026: project closeout and reimbursement paperwork

The orthoimagery will be implemented into our NG911 practices upon delivery of the orthoimagery occurs in Q4 2025 - Q1 2026. The project timeline will not exceed June 1, 2026.

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C. Describe any planned NG9-1-1 coordination between the applicant and the PSAPs within the applicant's county, including any specific plans for implementing NG9-1-1 at the PSAP(s) and how your grant project(s) will enable NENA i3 call routing in your county.

Project A: The Land Information/GIS office already has a close working relationship with our PSAP. We continually talk about ways to improve the data, load the data and creation of new data to support their needs. This close relationship was evident by our successful transition to ESI.net. We are proud to be one of the 1st county's without the need of the phased approach to load data to EGDMS by our Go Live date. Daniel Kirch highlighted our working relationship at the July 18th NG911 Outreach Session during the PSAP Experiences & Lessons Learned. The ALI database extracts will enable a higher percentage of call routing matches which leads to a successful dispatch. Our PSAP relays any routing deficiencies to our office for review and correction so delays can be avoided in the future. The Land Information/GIS department is the MSAG coordinator, so corrections can be applied in a timely manner to keep the MSAG database/ALI database and GIS in synch.

Project B: The continued cooperation between our Land Information/GIS office and our PSAP will be enhanced by this project. This also includes participation in WROC with neighboring counties to acquire high resolution orthoimagery that will improve call routing in our county and across county boundaries. This creates a unified and spatially accurate base layer used by both Land Information/GIS and PSAP(s) for dispatch call routing, situational awareness, address locations, road centerlines, structures and driveway locations.

Section 3: Proposed Project Budget

A. Provide a narrative for the proposed budget. The detail provided in the narrative must be sufficient so that reviewers can interpret what each identified cost is and how costs were estimated or calculated in the budget details in Section 3B based on the vendor quotes provided. The narrative must also identify the source of the local match required. The budget may include multiple projects. Grant funds cannot be used for existing contracts or costs beyond the grant performance period. Locally Retained Fees

Project A: Contractual services:

Our grant request is for 3 ALI database extracts. See attached quote from AT&T regarding cost of initial Full Database Extract and Subsequent Full Extracts.

Initial Full ALI Database Extract: $525.00
Subsequent Full ALI Database Extracts on demand: $350.00

The ALI database Extract cost is $1,225.00. Our NG911 grant request for the state share is $1,163.75. Our 5% local match is $61.25, which will be funded by county retained fees.

Project B: Contractual services:

Our grant request is for the cost of 3-inch pixel orthoimagery. See attached WROC letter proposal for project scope, deliverables, and budget figures.

Our countywide 3-inch pixel orthoimagery project cost is $156,780.00. Our NG911 grant request for the state share is $148,941.00. Our 5% local match is $7,839.00, which will be funded by county retained fees.

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B. Budget Details. Based on the narrative provided in Section 3A, enter the grant costs into the associated cost categories below. The total in the last row should reflect the entire amount to be funded with both the state share and any required local share/match. The state and local share is automatically calculated based on the required percentage and total cost of the grant project(s). The budget may include multiple projects.

Cost Category	Item(s) Description – List all proposed grant funded items	Total Cost
Equipment Hardware & Software		
NG9-1-1 Specific Training		
Contractual Services	Project A: AT&T ALI database extract $1,225.00 Local Match: $61.25 NG911 GIS Grant: $1,163.75 Project B: WROC 3-inch pixel, leaf-off, orthoimagery $156,780.00 Our grant request for 3-inch orthos is comprised of the following funding sources: Local Match: $7,839.00 NG911 GIS Grant: $148,941.00	$ 158,005.00
Supplemental Staff Time or Other Services		

	State Share: 95% of Total	Local Share/Match: 5% of Total	Total:
	$ 150,104.75	$ 7,900.25	$ 158,005.00

Section 4: Grant Project Sustainability Plan

NOTE: Please reference Attachment A for the approved grant budget

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A. Provide a narrative for the proposed sustainment and maintenance of any grant-funded activities after the grant period has ended. Applicants must demonstrate that any projects that extend beyond the grant period will be sustained.

Project A: The GIS data that supports NG911 has exceeded the 98% quality level. County staff will continue to maintain and strive to exceed those expectations, which should be evident by our request to pull more ALI database extracts. Now that our data has successfully loaded to EGDMS, we are actively working through the warnings provided by our Spatial Pro QA\QC software and GeoComm's GIS Data Hub results. The Land Information/GIS department has been following the NENA Standard for NG9-1-1 Data model for years. All the required features and many of the strongly recommended and recommended features are in place. All mandatory, conditional and optional fields are in place and most are fully attributed. County Staff also serve on the WLIA NG911 task force and are fully engaged in this effort. Additional county staff have been fully trained on the expectations for NG911. The Land Information/GIS Department will coordinate this effort with the PSAP staff, local municipalities and surrounding counties. The Land Information/GIS Department and PSAP staff are fully invested and committed to a successful implementation and the long term future of NG911. We are continually looking beyond what we have in place for NG911 and envisioning how we can continue to grow and incorporate optional NG911 content.

Project B: Under WROC there is no subscription or software maintenance fees for the county to continue to use and consume the orthoimagery created under this project. The county will retain full ownership of all deliverables, which will continue to be useful beyond the grant period without subscription or software maintenance fees. This will sustain the use of the data under this project beyond the grant period and any future orthoimagery updates will be handled under a separate project.
The 3" orthoimagery will be utililized beyond the grant period to capture and correct NG911 related data that was not easily identifiable in 6" orthoimagery.

B. Provide a narrative that demonstrates the Applicant's regular operating budget will not decrease as a result of receiving this grant award.

Project A: If we are successful in obtaining this grant, the funds for the required county match will be transferred from the Land Records Fund and will not decrease our regular operating budget. The county is committed to the success of this ongoing project.

Project B: The County's regular operating budget will not be decreased as we budgeted for the 3-inch pixel ortho project. This grant funding will supplement funding that is already budgeted by the county for countywide, leaf-off, orthoimagery. This approach continues a sustainable orthoimagery program for the county and its partners, rather than relying solely on grant funding to complete countywide orthoimagery on a regular cycle.

Section 5: Additional Applicant Data

Number of PSAPs supported by the County Land Information Office	1
Number of GIS personnel working on PSAP data in the county	2-3
Who is the main GIS point of contact for your county related to NG9-1-1 GIS data to support the PSAP? (Name, Title)	Joe Fleischmann, GIS Coordinator

Section 6: Authorized Signature

BRENT R. MILLER

Signatory Official Printed Name

8/12/2024

Date

Signatory Official Signature