SUBJECT: APPROVING AN APPROPRIATION OF $250,000 FROM THE ENHANCED 911 FUND BALANCE AND APPROVING THE SCOPE OF WORK AND BUDGET FOR A PROJECT TO ALLOW THE AERIAL IMAGERY ACQUISITION PROGRAM TO COLLECT DATA TO SUPPORT 911 CALL TAKING AND ADDRESSING.

AGENDA OF:May 20, 2025

ASSEMBLY ACTION: Adopted without objection 06/03/25 - BJH

AGENDA ACTION REQUESTED: Introduce and set for public hearing.

Route To	Signatures
Originator	*Recoverable Signature* X Casey Laughlin Signed by: Casey Laughlin
Emergency Services Director	5/5/2025 X Ken Barkley Signed by: Kenneth Barkley
I.T. Director	5/2/2025 X Leah Jones Signed by: Leah Jones
Finance Director	*Recoverable Signature* X Cheyenne Heindel Signed by: Cheyenne Heindel
Borough Attorney	5/5/2025 X Nicholas Spiropoulos Signed by: Nicholas Spiropoulos
Borough Manager	5/5/2025 X Michael Brown Signed by: Mike Brown
Borough Clerk	*Recoverable Signature* X Lonnie McKechnie Signed by: Lonnie McKechnie

ATTACHMENT(S): Ordinance Serial No. 25-067 (2 pp)
              Resolution Serial No. 25-052 (1 pp)
              Letter of Request and Map (6 pp)

SUMMARY STATEMENT:

Nationwide, aerial imagery has become a key tool for 9-1-1 call taking and is frequently incorporated into computer aided dispatch (CAD) systems to assist in providing critical location intelligence during a call. This imagery is a critical tool for updating data outlined in the NENA Standard for NG9-1-1 GIS Data

Model and is used to update road centerlines and site address points, both of which are listed as "required" layers in the NENA standard.

In addition, aerial imagery is used for quality control checks on parcel (property) boundaries, which in turn are used to help create and update Public Safety Answering Points (PSAP) boundaries, emergency service boundaries, and municipality and community boundaries.

In recognizing the growing use and need for regularly updated aerial imagery, the Matanuska-Susitna Borough has developed a recurring Aerial Imagery Acquisition Program. This program rotates on a three-year cycle and the program's intent is to provide updated aerial imagery in populated portions of the borough every three years.

On April 8, 2025, the Enhanced 911 Advisory Board approved an appropriation of $250,000 from the Enhanced 911 Fund Balance for the 2026-2028 Aerial Imagery Acquisition Program to collect data to support 911 call taking and addressing.

RECOMMENDATION OF ADMINISTRATION:

The administration recommends approval of the attached legislation, which will approve an appropriation of $250,000 from the Enhanced 911 Fund Balance, Fund 202, and approve the scope of work and budget for Project 47519, Fund 480, for Aerial Imagery Acquisition.

MATANUSKA-SUSITNA BOROUGH
FISCAL NOTE
Agenda Date: May 20, 2025

SUBJECT: Approving an appropriation of $250,000 from the Enhanced 911 fund balance and approving the scope of work and budget for a project to allow the aerial imagery acquisition program to collect data to support 911 call taking and addressing.

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT YES NO
AMOUNT REQUESTED $250,000	FUNDING SOURCE FY25 E911 Operating Budget
FROM ACCOUNT # 202.000.000 4xx.xxx	PROJECT
TO ACCOUNT: 480.000.000 3xx.xxx	PROJECT # 47519
VERIFIED BY: X Liesel Zanto Signed by: Liesel Weiland	

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
Personnel Services						
Travel						
Contractual						
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous	250.0					
TOTAL OPERATING	250.0					

CAPITAL						

REVENUE						

FUNDING: (Thousands of Dollars)

	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
General Fund						
State/Federal Funds						
Other	250.0					
TOTAL	250.0					

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

APPROVED BY:	X Cheyenne Heindel Signed by: Cheyenne Heindel

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MATANUSKA-SUSITNA BOROUGH
Enhanced 911 ADVISORY BOARD MINUTES

April 8, 2025

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The regular meeting of the Enhanced 911 Advisory Board was called to order at 9:00 a.m. by Chairman, Casey Cook.

Advisory Board members in attendance establishing a quorum were:

Lori Criqui, MatCom	Dwayne Shelton, Palmer Police
Casey Cook, MSB EM	Andrew Gorn, AST
Jared Eison, City of Houston	Aleeha Travis, MTA
Earl Almdale, MSB IT	

Also in attendance were: Joel Butcher, MatCom; Kenny Kleewein, MSB GIS; Zack McRae, MSB Telecom; Whitney Daw, Palmer Dispatch; Stephanie Nowers, Borough Assembly; Tracey Woelfel, MSB EOC; Daron Cooper, AST; Donny Lane and Ericka Bishop, DPS; Christine O'Connor, Alaska TelCo; and Ethan Overland, guest.

A quorum was present, and due notice had been published.

APPROVAL OF AGENDA: The agenda was approved as presented.

APPROVAL OF MINUTES: There was no objection to the approval of the amended February 11, 2025, minutes.

PERSONS TO BE HEARD

None

REPORTS

GIS

No report.

OLD BUSINESS

Interior Digital Mapping of School Buildings

Mr. Cook stated: Until the school district makes a request for this, there isn't anything we need to do further on it. He requested that it remain on the agenda.

Telecommunication Service Priority Program (TSP)

Chairman Cook asked Mr. Almdale if he had any updates; he said he did not but will look into it again.

Ms. Daw stated that Palmer activated theirs in September.

MatCom and Palmer VESTA Reimbursement Update

Ms. Laughlin stated: To update this group, the borough manager postponed the legislation to approve the VESTA projects for the Cities of Wasilla and Palmer. He called a meeting with the city managers, mayors, and chiefs of police to discuss the two requests.

Chairman Cook stated: The end result of the meeting was an agreement between the chiefs of police in Palmer (Dwayne Shelton) and Wasilla (Bill Rapson) to collaborate with the vendor to see if there was a reasonable solution to the call roll over issue.

Mr. Shelton stated: He and Mr. Rapson reached out to the vendor to set up a meeting. They have not met at this point so there is no definitive answer on the issue at this time.

Ms. Criqui stated: She hopes Donny Lane can perhaps explain things a bit further. Her understanding is that the two systems (as quoted) are standalone and since there is no network connecting them, they can talk to one another.

Ms. Laughlin stated: The manager has postponed approving the legislation once again. It is now on the May 20th agenda for introduction, and if approved, would be done at the June 3rd meeting.

Mr. Lane stated: For two separate VESTA systems, automatic rollover would be a component of NextGen 911. We would need to build out the ESInet and build out an emergency services IP network and procuring NextGen core services, which is probably what Motorola is going to inform you of. Both of these would be fairly large expenditures. If the end goal is an automatic rollover, NextGen core services and a regional ESInet is certainly doable, but a conservative estimate is in the 3-to-5-million-dollar range.

Ms. Criqui stated: We currently have rollover in place with Solacom. In terms of the VESTA system, if Palmer was a remote off of MatCom's system, they would work together as a remote, not a standalone, and they could still have the rollover option.

Mr. Almdale stated: This would be a great conversation to have in the technical working group to help inform us where we need to be with an actual backup PSAP with automated rollover in the event of an outage. Mr. Cook asked Mr. Almdale to start looking into the cost of ESInet.

Ms. Travis stated: The difference between survivability and high availability is basically what we are talking about. MTA has the capability of supporting either configuration, and is happy to help out.

Ms. Criqui stated: She is working with a vendor to get a quote for NextGen 911 core services.

NEW BUSINESS

Technical Working Group

The Technical Working Group was established to evaluate requests for technology related items such as hardware and software, or anything else tech related. Mr. Almdale, Ms. Travis, Mr. McRae, Ms. Daw, Ms. Criqui, Mr. Butcher, Mr. Lane, and Mr. Kleewein (for GIS related discussions) expressed interest in being on the work group.

GIS Training Reimbursement – ESRI $2,850

Mr. Kleewein stated: They will be sending Mr. Srebernak to the ESRI conference again this year. This conference provides many training courses and opportunities in the GIS area that he can benefit from. They would like to request reimbursement of the travel costs from the E-911 FY26 budget. All members were in favor, none were opposed.

GIS Funding Request – Imagery Project $250,000

Mr. Kleewein stated: Included in the packet is a letter from Borough Manager Mike Brown making a formal request for funding for the next phase of the aerial imagery project which would span from 2026 through 2028. This phase will capture the areas on the attached map, which include areas in Skwentna as well as areas spanning from North of Talkeetna, down through Point Mackenzie Road, and West of Butte and Sutton. $250,000 is being requested from the E-911 budget and the remaining $250,000 would be obtained through other borough funding.

MOTION: Mr. Almdale moved, and Mr. Eison seconded the motion to approve funding in the amount of $250,000 from the E-911 budget for the 2026-2028 Aerial Imagery Project. All were in favor, none were opposed.

Palmer Training Reimbursement – Navigator $6,128.50

Ms. Daw stated: This is annual training for Palmer dispatchers. They would like to send two people this year. All members were in favor with no opposition to this reimbursement.

MatCom Reimbursement Request – Law Enforcement Protocol Dispatch $146,973

Ms. Criqui stated: This is software to assist with call handling. It provides a structured set of questions to ask. This is the law enforcement piece, which works similarly to what is already being used on the EMS and fire side.

MOTION: Mr. Almdale moved, and Mr. Eison seconded, to approve the Law Enforcement Protocol Dispatch software reimbursement to the City of Wasilla in the amount of $146,973. All were in favor, none were opposed.

INFORMATIONAL ITEMS

    A. FY25 Surcharge Revenue Chart
    B. FY25 E-911 Budget Performance Report
    C. 911 Quarterly Dispatch Call Reports (Mat-Com and Palmer).
COMMENTS

Mr. Cook advised that he will not be available for the June 10th meeting and if possible, Mr. Shelton should attend as Vice Chair.

NEXT MEETING DATE

Chairman Cook announced the next regularly scheduled board meeting would be June 10, 2025, at 9:00 a.m.

ADJOURNMENT

_____

Casey Cook, Chairman

ATTEST:

_____

Casey Laughlin, Secretary

MATANUSKA-SUSITNA BOROUGH
Office of the Borough Manager
350 East Dahlia Avenue • Palmer, AK 99645
Phone (907) 861-8689 • Fax (907) 861-8669
Mike.Brown@matsugov.us

March 27, 2025

E911 Board Members,

Nationwide, aerial imagery has become a key tool for 9-1-1 call taking. It is frequently incorporated into computer aided dispatch (CAD) systems and can provide critical location intelligence during a call.

Aerial imagery is also a critical tool for updating data outlined in the *NENA Standard for NG9-1-1 GIS Data Model*. Aerial imagery is used to update road centerlines and site address points, both of which are listed as "required" layers in the NENA standard. It is also used for quality control checks on parcel (property) boundaries, which in turn are used to help create and update PSAP boundaries, emergency service boundaries, municipality and community boundaries (the first two are "required" layers in the NENA standard and the second two are "recommended" layers).

In recognizing the growing use and need for regularly updated aerial imagery, the Matanuska-Susitna Borough has developed a recurring Aerial Imagery Program. This program rotates on a three-year cycle. The program's intent is to provide updated aerial imagery in populated portions of the borough (Areas 1 & 2 on the attached map) every three years. The third area will shift around during each three-year cycle and will collect data in more remote regions. During this program cycle, the remote area will be collected in 2028 and will be focused on the Skwentna area. The core area will be collected in both 2027 and 2028 (see attached map).

Each of the three areas are around 1,000 square-miles in size and will be collected as 6-inch resolution imagery in the most populated areas and 1-foot resolution everywhere else.

Procuring imagery for large areas provides an economy of scale, which reduces the overall cost per square mile. Based on current working figures, the cost for the imagery should be around $150 per square mile. There are also additional costs for project management and quality control efforts. For each three-year cycle, the estimated project cost is $500,000.00.

The Matanuska-Susitna Borough IT Department would like to request a resolution in support of 50% of the needed funding from the E911 surcharge fund, up to $250,000 from the E911 Board.

Thank you for your consideration.

Sincerely,

Mike Brown
Borough Manager

Providing Outstanding Borough Services to the Matanuska-Susitna Community.

OR 25-067
RS 25-052
IM 25-120

2026-2028 Aerial Imagery Acquisitions

Legend:

- Area 1 - 2026 (1007 sq mi) - mix of 6-in and 1-ft Resolution
- Area 2 - 2027 (1208 sq mi) - mix of 6-in and 1-ft Resolution
- Area 3 - 2028 (865 sq mi) - mix of 6-in and 1-ft Resolution
- Includeed in areas 1 and 3 - 6-in Resolution
- Talkeetna - 6-in area included in Area 1
- Willow - 6-in area included in Area 1

PETERSVILLE

CHULITNA RIVER

SUSITNA RIVER

PARKS HWY

TRAPPER CREEK

PETERSVILLE RD

OILWELL RD

TALKEETNA

TALKEETNA SPUR

YENTNA RIVER

CASWELL LAKES

SKWENTNA

YENTNA RIVER

EUREKA

SUSITNA RIVER

WILLOW FISHHOOK RD

CHICKALOON

GLENN HWY

MATANUSKA RIVER

GLACIER VIEW

GLENN HWY

SUTTON

WILLOW

NANCY LAKE

HOUSTON

BIG LAKE

PARKS HWY

WASILLA

PALMER

BUTTE

FLAT HORN LAKE

KNIK-GOOSE BAY RD

KNIK

POINT MACKENZIE RD

KNIK ARM

WASILLA CREEK

ECKLUTNA LAKE

GLENN HWY

FIGURE EIGHT LAKE

...GA LAKE

ANCHORAGE

0 5 10 Miles

N

Mat-Su Borough
GIS Division
March 2025

OR 25-067
RS 25-052
IM 25-120