



OFFICE OF AUDITOR OF STATE
STATE OF IOWA

Rob Sand
Auditor of State

State Capitol Building
Des Moines, Iowa 50319-0004
Telephone (515) 281-5834

July 29, 2025

Kristi Onstot
Executive Council
LOCAL

Subject: Tornado Damages to Adair South ISICS Communication Tower on May 21, 2024
Department of Public Safety
Claim dated August 15, 2024
AOS Claim ID: 3771

In accordance with Executive Council policy, we have examined the invoices and supporting documentation for final payment related to the damages and have found the items to be in order as shown below:

| | | |
|--|------------------|------------------------|
| Documented request | | \$ 94,915.00 |
| Executive Council Allocation | | \$ 2,000,000.00 |
| Less: | | |
| Previous payments | \$ 92,276.81 | |
| This payment | <u>94,915.00</u> | |
| Total | | <u>\$ 187,191.81</u> |
| Remaining Executive Council allocation | | <u>\$ 1,812,808.19</u> |

We recommend reimbursement be made in the amount of \$94,915.00. This represents partial payment of the loss.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian R. Brustkern".

Brian R. Brustkern, CPA
Deputy Auditor of State

cc: Lieutenant Joshua Duden, Communications & Interoperability Bureau, Department
of Public Safety

October 15, 2024 DR-4784-IA
ISICS Adair South Tower Tornado Future Work Estimates

| Customer | Site Name | County | Tower Height (FT) | Address | Work Completion Date | Work Summary | Budgetary Estimate |
|-----------------------------|-------------|--------|-------------------|-------------------------------------|----------------------|--|--------------------|
| ISICS | Adair South | Adair | 195 | 602 SW 2nd St, Greenfield, IA 50849 | TBD | Equipment and Installation of 3 new replacement microwave dishes and cables to stabilize site microwave system temporarily until new tower can be built. Includes Motorola team and tower crew work. | \$ 110,789.00 |
| ISICS | Adair South | Adair | 195 | 602 SW 2nd St, Greenfield, IA 50849 | TBD | Soil Testing for new tower | \$ 12,385.00 |
| ISICS | Adair South | Adair | 195 | 602 SW 2nd St, Greenfield, IA 50849 | TBD | New Tower and Microwave System Replacement Project | \$ 1,495,000.00 |
| Total Future Work Estimates | | | | | | | \$ 1,618,174.00 |

** The Information provided in this budgetary estimate submission is provided for evaluation purposes only and does not constitute a binding offer to sell or license any Motorola Solutions product or services. Motorola Solutions is making no representation, warranties, or commitments with respect to pricing, products, payment terms, credit, or terms and conditions. A firm offer would require more information and further detailed analysis of the requirements.*

00575
Motorola Solutions Inc
13108 Collection Center Dr
Chicago, IL 60693-0001

FOR QUESTIONS, CONTACT:
Public Safety, Dept of
515-725-6249

| LINE # | CHECK DESCRIPTION | INVOICE # | INVOICE DATE | AMOUNT |
|--------|--------------------|------------|--------------|-----------|
| 1 | INVOICE 8330305163 | 8330305163 | 05/30/2025 | 94,915.00 |

TOTAL WARRANT AMOUNT
\$*****94,915.00

SAE001

For additional information about this payment, please go to <https://i3public.iowa.gov/payments/index.faces>

THE FACE OF THIS DOCUMENT HAS A COLORED CHECK BACKGROUND

Account Numbers

0001-595-R75-4529-2693

State of Iowa Warrant

VOID 6 MONTHS AFTER 06-09-2025

No. 1000092680

TO
THE

*Treasurer of State
Des Moines, Iowa 50319*

33-2308
730

NINETY FOUR THOUSAND NINE HUNDRED FIFTEEN DOLLARS 00 CENTS

Pay
Motorola Solutions Inc
13108 Collection Center Dr
Chicago, IL 60693-0001

AMOUNT

\$*****94,915.00

MOTORO05JN25SJD325

DEPARTMENT OF ADMINISTRATIVE SERVICES
AUTHORIZED SIGNATURE

1000092680 073023085

8018164908

CAUTION - ENDORSE IN VIEW OF PERSON CASHING OR RESTRICT
ENDORSEMENT ("FOR DEPOSIT ONLY") AND SIGN YOUR NAME.

RESTRICTIONS:

SIGNATURE (IN INK OR INDELEBIL PENCIL)

MY ADDRESS IS:

STREET

CITY

STATE

ZIP

DO NOT WRITE, STAMP OR SIGN BELOW THIS LINE
RESERVED FOR FINANCIAL INSTITUTION USE

ORIGINAL
DOCUMENT

The security features listed below, as well as those not listed, exceed industry guidelines.

Security Features:

Results of document alteration:

Security Screen

• Absence of Original Document verbiage on back of check

True Watermark

• Can be seen only when held at a 45 degree angle and cannot be altered or reproduced on copiers

MicroPrint

• Small type in MP Line appears dotted when photocopied

Chemical Reactivity

• Visual color reaction triggered by the use of bleach, oxidizers, solvents, acid or alkali materials

Printloc Toner Anchorage

• Saturation treatment on both sides of paper prevents toner removal by scraping, tape or creasing

Embedded Fibers

• Large, dark visible fibers embedded throughout the sheet. Large embedded invisible fibers visible only under UV (black light)

Padlock Icon

• Printed on the body of the check, identifies the existence of security features. Cannot be removed without physically altering the check.

® Padlock design is a certification mark of Check Payment Systems Association

* FEDERAL RESERVE BOARD OF GOVERNORS REG. CC

Adair South 4529/ADAS MOTOR005JN2SSJD325

Page 1/2



MOTOROLA SOLUTIONS

Motorola Solutions, Inc.
500 West Monroe
Chicago IL 60661
United States
Federal Tax ID: 36-1115800

ORIGINAL INVOICE

| Transaction Number | Transaction Date | Transaction Total |
|--------------------|------------------|-------------------|
| 8330305163 | 30-MAY-2025 | 94,915.00 USD |

| P.O. Number | P.O. Date | Customer Account No |
|-------------|-------------|---------------------|
| FY25-4529.2 | 30-MAY-2025 | 1000199978 |

| Payment Terms | Payment Due Date |
|--------------------|------------------|
| Net Due in 60 Days | 29-JUL-2025 |

Visit our website at www.motorolasolutions.com

Bill To Address

IOWA, STATE OF
ATTN: Accounts Payable
215 E 7TH ST
DES MOINES IA 50319
United States

Ship To Address

IOWA, STATE OF
215 E 7TH ST
DES MOINES IA 50319
United States

IMPORTANT INFORMATION

For all invoice payment inquiries contact
AccountsReceivable@motorolasolutions.com
Telephone: 800-247-2346
Fax: +1(631)883-4238

Sales Order(s): 3203781726

SPECIAL INSTRUCTIONS / COMMENTS

| Depot SO# | Item Number | Description | Qty. | Unit Price (USD) | Amount (USD) |
|-----------|---------------------|--|------|------------------|--------------|
| | | Date Completed :04-APR-25 Description of work :Equipment and Installation of 3 new microwave dishes/cables to stabilize the ISICS/Adair South microwave system temporarily until new tower can be built. Removal of tornado damaged dishes and ice canopies. Authorized by : Heather Dixon | | | |
| | SVCFS-ONSITE-RSP-IO | FIELD SVC-ON SITE RESPONSE SVCS | 1 | 65,080.00 | 65,080.00 |
| | SVCFS-PARTS-IO | FIELD SERVICE - PARTS CHARGES | 1 | 29,835.00 | 29,835.00 |

Please detach here and return the bottom portion with your payment

Payment Coupon

| Transaction Number | Customer Account No | Payment Due Date | Transaction Total | Amount Paid |
|--------------------|---------------------|------------------|-------------------|-------------|
| 8330305163 | 1000199978 | 29-JUL-2025 | 94,915.00 USD | |

Please put your Transaction Number and your Customer Account Number on your payment for prompt processing.

IOWA, STATE OF
ATTN: Accounts Payable
215 E 7TH ST
DES MOINES IA 50319
United States

Payment Transfer Details

Bank of America, Dallas
WIRE Routing Transit Number: 026009593
ACH/EFT Routing Transit Number: 111000012
SWIFT: BOFAUS3N
Bank Account No: 3756319806

Send Payments To:



MOTOROLA SOLUTIONS

Motorola Solutions, Inc.
13108 Collections Center Drive
Chicago IL 60693
United States
Please provide your remittance details to:
US.remittance@motorolasolutions.com

DIVERSION CONTRARY TO EXPORT CONTROL LAW IS PROHIBITED

**MOTOROLA SOLUTIONS**

Motorola Solutions, Inc.
 500 West Monroe
 Chicago IL 60661
 United States
Federal Tax ID: 36-1115800

ORIGINAL INVOICE

| | | | |
|--|--|--|------------------|
| Transaction Number 8330305163 | Transaction Date 30-MAY-2025 | Transaction Total 94,915.00 USD | |
| P.O. Number FY25-4529.2 | P.O. Date 30-MAY-2025 | Customer Account No 1000199978 | |
| Payment Terms Net Due in 60 Days | | Payment Due Date 29-JUL-2025 | |
| | | USD Subtotal | 94,915.00 |
| | | USD Total Tax | 0.00 |
| | | USD Total | 94,915.00 |
| | | USD Amount Due | 94,915.00 |

Visit our website at www.motorolasolutions.com

Motorola Solutions, Inc.
1301 E. Algonquin Road
Schaumburg, IL 60196
U.S.A.

Mobile: +1-319-321-1134
Email: dave.gordon@motorolasolutions.com

June 6, 2025

Captain Heath Hove
Iowa Department of Public Safety
Interoperability Communications Bureau
215 E. 7th St.
Des Moines, IA 50319
RE: Adair South ISICS Tower – Storm Damage Repairs

Captain Hove,

Below you will find the report for the Adair South site for storm damage repairs. Attached is the invoice for the repair work.

This is the last of the repair work on the damaged tower to keep it up/operational until the new tower is built.

Please review and contact me directly with any questions.

Thanks,



Dave Gordon
Customer Support Manager
State of Iowa
Motorola Solutions, Inc.

Adair South ISICS Tower – Tornado Damage Report

On May 21, 2024, Motorola received various reports of tornado damage to the Adair South site in Greenfield Iowa.



Microwave Dishes

Motorola had a tower crew/team at the site in Greenfield on April 4, 2025.

They replaced all three of the primary dishes to (Adair N, Adams and Madison). They removed the damaged diversity dish facing Adair N. The diversity dish facing Adams was the one missing from the tornado.

They also removed two ice bridges that are sitting in the compound. These will be removed when the tower is taken down.

All three links have much improved RSL's. (Receive Signal Levels)



Adams Microwave Path

The microwave path to the Adams site went from off air at -100dBm to -35.1dBm which is close to the original build out level.

10.0.2.1186 - Remote Desktop Connection

10.0.2.1 / 81-1 ADAR SOUTH / 81-1 ADAR SOUTH - Aviat Networks Portal

File Edit Installation Configuration Diagnostics Help

Back Forward System Summary Send Refresh

Performance For: **FACING C1-4-1 ADAMS - LRS 2 - Space Diversity (Secondary Permanently Muted) - 184 Mbps DMR**

ODU 2-ODU 000 RAC 2-RAAC 000 Expanding a RAC Secondary 154 Mbps (100%)

RAC 5: No plug-in detected in the slot

| Item | Protection | RAC 2 | RAC 5 |
|---------------------------|------------|--------|-------|
| RSLS (dBm) | | -35.10 | |
| Remote RSLS (dBm) | | -35.50 | |
| Detected Tx Power (dBm) | | 28.80 | |
| Remote Fade Margin (dB) | | 38.10 | |
| ODU Temperature (Celsius) | | 23.29 | |
| 48V ODU Supply (Vdc) | | 43.14 | |
| ODU (dB) | | 37.00 | |
| Remote ODR (dB) | | 37.00 | |
| Current BER Reading | 0.0000 | | |

| Item | Protection | RAC 2 | RAC 5 |
|------------------------------------|------------|-------|-------|
| Elapsed Seconds | | | |
| Available Seconds (AS) | | | |
| Unavailable Seconds (US) | | | |
| Error Seconds (ES) | | | |
| Error Seconds Rate (ESR) | | | |
| Severely Error Seconds (SES) | | | |
| Severely Error Seconds Rate (SESr) | | | |
| Error Blocks | | | |
| Background Block Errors | | | |
| Frame Loss Seconds | | | |
| Radio Packet Plane | | | |
| CPP Good Packet Count | | | |
| CPP Bad Packet Count | | | |

Customize... Export...

Legend: ☐ Unavailable value





Adair North Microwave Path

The microwave path to the Adair North site went from -57dBm RSL to -37.8dBm.

10.5.2.1.388 - Remote Desktop Connection

10.80.2.1 / B1-1 ADAIR SOUTH / B1-1 ADAIR SOUTH - Aviat Networks Portal

File Edit Installation Configuration Diagnostics Help

Back Forward System Summary Send Refresh

Performance For: **FACING A14.2 ADAIR NORTH - LINK 1: Spare Diversity (Secondary Permanently Muted) 154 MHz DPP**

ODU 1-ODU 606 RAC 1-AAC 606 Secondary 154 MHz (100%)

Warning: RAC 4: No plug-in detected in the slot

| Item | Protection | RAC 1 | RAC 4 |
|---------------------------|------------|--------|-------|
| Status | | | |
| RSL (dBm) | | -37.80 | |
| Remote RSL (dBm) | | -35.20 | |
| Detectable Tx Power (dBm) | | 29.90 | |
| Remote Fade Margin (dB) | | 38.10 | |
| ODU Temperature (Celsius) | | 25.40 | |
| 48V ODU Supply (Volt) | | -52.10 | |
| SNR (dB) | | 35.90 | |
| Remote SNR (dB) | | 37.10 | |
| Current BER Reading | 0.0000 | | |

| Item | Protection | RAC 1 | RAC 4 |
|---------------------------------------|------------|-------|-------|
| BER | | | |
| Elapsed Seconds | | | |
| Available Seconds (AS) | | | |
| Unavailable Seconds (US) | | | |
| Errored Seconds (ES) | | | |
| Errored Seconds Ratio (ESR) | | | |
| Severely Errored Seconds (SES) | | | |
| Severely Errored Seconds Ratio (SESR) | | | |
| Errored Blocks | | | |
| Background Block Errors | | | |
| Frame Loss Seconds | | | |
| Data Packet Plane | | | |
| DPP Good Packet Count | | | |
| DPP Bad Packet Count | | | |

Customize... Ego

Legend: ☐ Unavailable value

Madison Microwave Path

The microwave path to the Madison site went from -55dBm RSL to -33.8dBm. We were also able to get the diversity dish from -55dBm RSL to -38.7dBm.

File Edit Installation Configuration Diagnostics Help

Back Forward System Summary Base

Performance For **FACING BOX 0-1 MAGNOLIA - RAC 1** Show Details 1 Step Help

☒ DDU 1-DDU RSP
 ☒ RAC 1-RAC RSP
 ☒ DDU 4-DDU RSP
 ☒ RAC 4-RAC RSP
 Troubleshooting

| Item | Protection | RAC 1 | RAC 4 |
|-----------------------------|------------|--------|---------|
| RSL (dBm) | | -33.95 | -38.70 |
| Remote RSL (dBm) | | -32.40 | -32.40 |
| Optical Tx Power (dBm) | | 29.50 | -100.00 |
| Remote Tx Power Margin (dB) | | 41.94 | 41.00 |
| DDU Temperature (Celsius) | | 35.40 | 22.20 |
| 440 DDU Supply (Vrms) | | -55.90 | -53.00 |
| TXRX (dB) | | 37.20 | 36.50 |
| Remote SHA (dB) | | 35.50 | 35.60 |
| Current BSR Reading | 6.0 (V) | | |

| Item | Protection | RAC 1 | RAC 4 |
|------------------------------------|-------------------|-------|-------|
| Elapsed Seconds | | | |
| Available Seconds (dB) | | | |
| Unavailable Seconds (dB) | | | |
| Elapsed Seconds (dB) | | | |
| Elapsed Seconds Ratio (dB) | | | |
| Seconds Elapsed Seconds (dB) | | | |
| Seconds Elapsed Seconds Ratio (dB) | | | |
| Background Block Errors | | | |
| Frame Loss Seconds | | | |
| Good Packet Count | Good Packet Count | | |
| Bad Packet Count | Bad Packet Count | | |

Customize...

Legend ☐ Unavailable value



ANATEL
Agência Nacional de Telecomunicações
No cert on file

VHLP6-6W-GTU

60788258 US462450 /0
COMMScope **CE** **UK**
Andrew® | Microwave Antenna Systems
VHLP6-6W-GTU
ANTENNA DIA : 1.8M
FREQUENCY : 6GHz
MAX PRESSURE : 35kPa(5psi)
AVIAT PART No : AND-VHLP6-6W-GTU
S/N: 24US460531777
ASSEMBLED IN MEXICO
L62

GREEN field site
6GHz to madison
160' E
SE LEG

All dishes have new coax ran to them and the coax was temporarily fastened to inside the tower leg.



From: [Tammy Hollingsworth](#)
To: [Pierce Richard](#); ExecutiveCouncil@tos.iowa.gov
Cc: [Bayens Stephan](#); [Ludwig Nathan](#); [Wittenwyler Jim](#); [Seiler Katelyn](#); [Anderson Kristy](#); [Dostal Sandra](#); [Hove Heath](#); [Duden Joshua](#); [Zemira Rahmanovic](#)
Subject: ** External Email Alert ** RE: 5-21-24 Initial 29C20 Notification ref ISICS Tower Damage due to Multiple Statewide TORNADOS
Date: Thursday, May 23, 2024 11:36:28 AM

****External Email Alert**** This email is from outside DPS. **DO NOT CLICK** links or attachments unless you expected them. If unsure please forward to ITOC for review.

Notification of 29C.20 Damages Received – AOS Claim #3771

From: Pierce Richard <pierce@dps.state.ia.us>
Sent: Wednesday, May 22, 2024 9:20 AM
To: ExecutiveCouncil@tos.iowa.gov; Tammy Hollingsworth <Tammy.Hollingsworth@AOS.IOWA.GOV>
Cc: Bayens, Stephan [DPS] <bayens@dps.state.ia.us>; Ludwig, Nathan [DPS] <nldwig@dps.state.ia.us>; Wittenwyler, Jim [DPS] <wittenwy@dps.state.ia.us>; Seiler, Katelyn <seiler@dps.state.ia.us>; Anderson, Kristy <kanderson@dps.state.ia.us>; Dostal, Sandra [DPS] <dostal@dps.state.ia.us>; Hove, Heath [DPS] <hove@dps.state.ia.us>; Duden, Joshua [DPS] <duden@dps.state.ia.us>
Subject: 5-21-24 Initial 29C20 Notification ref ISICS Tower Damage due to Multiple Statewide TORNADOS

CAUTION: This email originated from outside of AOS. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Executive Council & Tammy

On the night of 5-21-24, Iowa was struck by a severe storm front with Multiple tornados. The tornados and high winds struck several locations throughout the state. We currently know the **ISICS Greenfield tower** took a direct hit by a large tornado. The damage is extensive and it appears only one remaining dish on the tower. All other dishes are missing, but the tower is currently still working. A preliminary assessment indicates it is possible the tower may be a complete loss. We will not know for sure the total extent of the damage until a structural assessment is completed and a Motorola tower crew is on site. If the Greenfield ISICS tower is a total loss, a rough ballpark replacement estimate is \$1.5 million, however it could be significantly less if the tower itself remains structurally sound. In the forthcoming several days to two weeks, we will perform an assessment of all towers and a complete site damage list will be provided. See the attached video link to see the tornado that struck the ISICS Greenfield tower. Please accept this email as the required initial 29C20 notification of AON damage to the Greenfield ISICS Tower and potential additional damage at other ISICS tower sites that resulted from this storm event.

<https://www.facebook.com/share/v/g4FDj3ZCx1lckyVn/?mibextid=1hYEk3>

Captain Richard Pierce
Bureau Chief | DPS Interoperability Communication Bureau

Office of the Commissioner

Iowa Department of Public Safety

215 East 7th Street | Des Moines, Iowa 50319

Office: 515-725-6113

Cell: 712-269-0730

pierce@dps.state.ia.us



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Auditor.Iowa.Gov

Adair South 4529/ADAS MOTOR005JN255JD325



Motorola Solutions, Inc.
500 West Monroe
Chicago IL 60661
United States
Federal Tax ID: 36-1115800

ORIGINAL INVOICE

| | | | |
|--|--|--|---|
| Transaction Number 8330305163 | | Transaction Date 30-MAY-2025 | Transaction Total 94,915.00 USD |
| P.O. Number FY25-4529.2 | | P.O. Date 30-MAY-2025 | Customer Account No 1000199978 |
| Payment Terms Net Due in 60 Days | | | Payment Due Date 29-JUL-2025 |
| Bill To Address IOWA, STATE OF ATTN: Accounts Payable 215 E 7TH ST DES MOINES IA 50319 United States | | Ship To Address IOWA, STATE OF 215 E 7TH ST DES MOINES IA 50319 United States | |

Visit our website at www.motorolasolutions.com

IMPORTANT INFORMATION

Sales Order(s): 3203781726

For all invoice payment inquiries contact
AccountsReceivable@motorolasolutions.com
Telephone: 800-247-2346
Fax: +1(631)883-4238

SPECIAL INSTRUCTIONS / COMMENTS

| Depot SO# | Item Number | Description | Qty. | Unit Price (USD) | Amount (USD) |
|-----------|---------------------|--|------|------------------|--------------|
| | | Date Completed :04-APR-25 Description of work :Equipment and Installation of 3 new microwave dishes/cables to stabilize the ISICS/Adair South microwave system temporarily until new tower can be built. Removal of tornado damaged dishes and ice canopies. Authorized by : Heather Dixon | | | |
| | SVCFS-ONSITE-RSP-IO | FIELD SVC-ON SITE RESPONSE SVCS | 1 | 65,080.00 | 65,080.00 |
| | SVCFS-PARTS-IO | FIELD SERVICE - PARTS CHARGES | 1 | 29,835.00 | 29,835.00 |

Please detach here and return the bottom portion with your payment

Payment Coupon

| | | | | |
|---|--|--|---|--------------------|
| Transaction Number 8330305163 | Customer Account No 1000199978 | Payment Due Date 29-JUL-2025 | Transaction Total 94,915.00 USD | Amount Paid |
|---|--|--|---|--------------------|

Please put your Transaction Number and your Customer Account Number on your payment for prompt processing.

IOWA, STATE OF
ATTN: Accounts Payable
215 E 7TH ST
DES MOINES IA 50319
United States

Payment Transfer Details

Bank of America, Dallas
WIRE Routing Transit Number: 026009593
ACH/EFT Routing Transit Number: 111000012
SWIFT: BOFAUS3N
Bank Account No: 3756319806

Send Payments To:



Motorola Solutions, Inc.
13108 Collections Center Drive
Chicago IL 60693
United States
Please provide your remittance details to:
US.remittance@motorolasolutions.com

**MOTOROLA SOLUTIONS**

Motorola Solutions, Inc.
 500 West Monroe
 Chicago IL 60661
 United States
Federal Tax ID: 36-1115800

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| Payment Terms Net Due in 60 Days | | Payment Due Date 29-JUL-2025 |
| | | USD Subtotal 94,915.00 USD Total Tax 0.00 USD Total 94,915.00 USD Amount Due 94,915.00 |

Visit our website at www.motorolasolutions.com