

TARRANT CITY COUNCIL MEETING  
CITY HALL, COUNCIL CHAMBERS  
REGULAR MEETING

NOVEMBER 6, 2024

AGENDA

REGULAR SESSION – 7:00PM

I. CALL TO ORDER

II. PRAYER

III. PLEDGE OF ALLEGIANCE

IV. ROLL CALL

V. APPROVAL OF MINUTES

October 21, 2024- Regular Meeting *p with ammendments*

VI. COMMUNICATIONS FROM THE MAYOR

VII. COMMITTEE REPORTS

VIII. OLD BUSINESS

A. Resolution No. 9191 – A Resolution Removing Chief Wendell Major from the Office of Chief of Police for the City of Tarrant. *No Seconder*

B. Resolution No. 9192 – A Resolution Authorizing and Approving the City of Tarrant to Enter into a Purchase Agreement with Axon Enterprises, Inc. *p*

IX. NEW BUSINESS

A. Resolution No. 9232 – A Resolution Authorizing an Invitation to Bid be Issued for the City of Tarrant Electric Department to Purchase Transformers. *p with ammendment to include date 11.7.24 to 12.7.24*

B. Resolution No. 9233 – A Resolution Authorizing Payment of Purchase Order 20-2599 For Repairs to Public Works Equipment – KB Loader. *p*

C. Resolution No. 9234 – A Resolution Authorizing the Submission of an Alabama 911 Proposed/Recommended New Contract with RPSS. *p*

X. VOUCHERS AND EXPENSES

Ending November 1, 2024, City of Tarrant City Hall *p*

Ending November 1, 2024, City of Tarrant Electric Department *p*

XI. PUBLIC COMMENTS

XII. ADJOURN

CITY OF TARRANT  
COUNCIL MEETING MINUTES  
OCTOBER 21, 2024  
TARRANT CITY HALL

The City Council of the City of Tarrant, Alabama, met in a regularly scheduled meeting on Monday October 21, 2024, at 7:00 PM at City Hall.

Mayor Newton called the meeting to order at 7:00 PM immediately following the council work session that began at 6:00PM to discuss items on the agenda and other matters.

City of Tarrant citizen Charles Johnson lead those in attendance in the invocation. Tarrant Police Department, Lieutenant Hill lead those present in the Pledge of Allegiance.

Mayor Newton asked for a roll call. The following officials were present during the roll call:

Councilor John T. "Tommy" Bryant  
Councilor Catherine "Cathy" Anderson  
Councilor Tracie B. Threadford  
Councilor Veronica Bandy Freeman  
Councilor Deborah "Debbie" Matthews  
Mayor Wayman A. Newton

Absent:

None

A quorum was determined to be present at the meeting.

Mayor Wayman A. Newton entered the council meeting chambers at approximately 7:02 pm.

The minutes from the October 7, 2024 regularly scheduled council meeting were presented for review and approval. After review, Councilor Freeman requested the statement be added that a *'yes' vote would have been provided if there was a second round of voting for Resolution No. 9223 Council polling.* Councilor Threadford moved to approve the minutes of the October 7, 2024 meeting with the amendment. Councilor Anderson seconded the motion. Mayor Newton called for a vote.

Yeas:

Councilor John T. "Tommy" Bryant  
Councilor Catherine "Cathy" Anderson  
Councilor Tracie B. Threadford  
Councilor Veronica Bandy Freeman  
Councilor Deborah "Debbie" Matthews

Nays:

None

Not voting:

Mayor Wayman A. Newton

The yeas being five (5) and the nays being zero (0), the motion to approve the minutes with the added amendment were adopted, and the minutes for October 7, 2024 council meeting were approved with the added amendment.

The Mayor apologized for the 'Helping Hands Giveaway' set for Saturday, October 19, 2024 from 3pm to 6pm at Ford Avenue. The event originally scheduled for 3pm resulted in an early give away. Amazon was called and assured that there will be more items for Christmas. The Mayors office will provide confirmation dates and the next giveaway will be allotted for the actual

scheduled time. The Mayor also thanked Sheriff Pettway and his team for a recent occurrence in the City of Tarrant, Waverly Street that derived from a public citizen tip to the Mayor. Mayor Newton encouraged all citizens and the public to call City Hall if they suspect any illegal activity including drugs and all other crime. Included in the communications were the possible dates of the Tarrant Christmas parade to be held on Saturday, December 14, 2024. More details will be provided in closer proximity to the date. Finally, a reminder was provided on the upcoming annual 'trunk or treat' from 6pm to 8pm\*. Asterisk referencing while supplies last. Volunteers were encouraged to arrive at 5:30 for early set up in accommodating all participants.

Councilor Threadford confirmed that Christmas plans are already in the works in her Department for December 14, 2024 as the planned date for the City of Tarrant Christmas events. Councilor Thredford also informed all those in attendance that the job fair at the Tarrant Recreation Center on 1232 Faye Drive held on Friday, October 11, 2024 from 9:00 am to 2:00 pm was a success. Another job fair will be planned for the upcoming Spring of 2025. Acknowledgements were extended out to Pastor Knight of Victory City, Alabama invitation to the 2024 Fall Festival on Sunday, October 20<sup>th</sup>. A reminder was provided of the good giveaway for November to be on the 9<sup>th</sup> of November, 2024 from 9am to 11am at Tarrant Recreation Center. Food boxes will be given away on the 2<sup>nd</sup> Saturday of every month. Councilor Threadford also forwarded a message to Mayor Newton regarding a constituent who requested a tree, kudzu and additional other cutting and cleaning needs to be completed between city lots of 112 and 118 East Lake Blvd. Repeated calls were made to the Tarrant City Hall.

There were no committee reports.

The Mayor requested a work session date to discuss the Budget for fiscal year 2025. October 29, 2024 at 5:00 pm was scheduled. Mayor Newton affirmed the date for the City Clerk to post the work session meeting.

The Mayor and Council moved on to Old Business.

Mayor Newton introduced and read Resolution No. 9191. A Resolution Removing Chief Wendell Major from the Office of Chief of Police for the City of Tarrant. Mayor Newton motioned to move to approve the Resolution No. 9191, and did not request a seconder due to interest of time. Mayor Newton asked the City Clerk to add Resolution No. 9191 to next regular Councilor. The City Clerk affirmed it will be added to the next meeting.

Councilor Bryant introduced and read Resolution No. 9192, A Resolution Authorizing and Approving the City of Tarrant to Enter into a Purchase Agreement with Axon Enterprises, Inc. Councilor Bryant moved to approve Resolution No. 9192. There was discussion on the quotes that were requested at the last regular scheduled Council meeting. Lieutenant Hill stated that the estimates have not been provided to the City of Tarrant Police Department and that more time is needed for Motorola. Lietenant Hill also wanted to let the Council be aware that Motorola body cameras and Axon tasers are not compatible. The Mayor requested Councilor Bryant to table Resolution No. 9192 until the necessary quotes are available. Councilor Bryant moved to table Resolution No. 9192 until the next regular scheduled Council meeting. Councilor Threadford seconded the motion. Mayor Newton called for a vote.

Yeas:

Councilor John T. "Tommy" Bryant  
Councilor Tracie B. Threadford  
Councilor Catherine "Cathy" Anderson  
Councilor Veronica Bandy Freeman  
Councilor Deborah "Debbie" Matthews

Nays:

None

Not voting:

Mayor Wayman Newton

The yeas being five (5) and the nays being zero (0) with one (1) member not voting, the motion to table Resolution No. 9192 was agreed to, and the Resolution was tabled.

Councilor Bryant introduced Resolution No. 9228, A Resolution Engaging Dipiazza, Larocca, Heeter, & Co., LLC to Perform an Audit of the City of Tarrant, Alabama Electric Department Accounts for the Fiscal Year Ending June 30, 2024, Resolution NO. 9230, A Resolution Approving the Lexipol, LLP., A Service Contracted Annual Invoice 2024, and Resolution No. 9231, A Resolution Authorizing the Purchase of Replacement Parts for the Skutt Kiln in the Tarrant Recreation Center. There was discussion on the invoice of Resolution No. 9231. The Recreation Director Scott Evans provided the correct invoice and it was noted by the Council. Councilor Bryant moved to approve Resolution No. 9228, Resolution No. 9230 and Resolution No. 9231 with the correct invoice of 1214 to be inserted and replaced by invoice no. 1169. Councilor Anderson seconded the motion. Mayor Newton called for a vote.

Yeas:

Councilor John T. "Tommy" Bryant  
Councilor Tracie B. Threadford  
Councilor Catherine "Cathy" Anderson  
Councilor Veronica Bandy Freeman  
Councilor Deborah "Debbie" Matthews

Nays:

None

Not voting:

Mayor Wayman Newton

The yeas being five (5) and the nays being zero (0) with one (1) member not voting, the motion to approve Resolution No. 9228, Resolution No. 9330, and Resolution No. 9331 was agreed to, and the Resolutions were approved.

Mayor Newton introduced Resolution No. 9229, A Resolution Appointing Ms. Debbie Hall to the Tarrant City Board of Education. Mayor Newton moved to table Resolution No. 9229 until the next regular scheduled Council meeting. Councilor Anderson asked if there was other interest in application to the Tarrant City Board of Education. The Mayor confirmed two people had called him after the publicized interest during the pre-council meeting. Councilor Anderson seconded the motion. Mayor Newton called for a vote.

Yeas:

Councilor Catherine "Cathy" Anderson  
Mayor Wayman Newton

Nays:

Councilor Tracie B. Threadford  
Councilor Veronica Bandy Freeman

Abstain:

Councilor John T. "Tommy" Bryant  
Councilor Deborah "Debbie" Matthews

The yeas being two (2), the nays being two (2), and the abstains being two (2) with zero (0) member not voting, the motion to table Resolution No. 9229 was not agreed to, and the Resolution failed. Mayor Newton read Jarvis Escott resume and indicated he was one of the individuals who was interested in being a member of the Tarrant City Board of Education. Councilor Freeman wanted it to go on record that the Mayor stated Mr. Jarvis Escott reached out to him within the last hour

and provided him a resume. Councilor Freeman affirmed that Mr. Jarvis Escott said he provided the Mayor his resume over the weekend upon his request. There was back and forth.

Councilor Bryant introduced Resolution No. 9229, A Resolution Appointing Ms. Debbie Hall to the Tarrant City Board of Education. Councilor Bryant moved to adopt Resolution No. 9229. Councilor Freeman seconded the motion. Mayor Newton wanted it on record that Councilor Matthews wanted Ms. Hall on the Board of Education because she's white. There was back and forth. Mayor Newton expressed unreadiness and asked the citizens to remember the meeting night and referenced the Board of Education candidates' history and qualifications. There was more back and forth between the Mayor, the Council and the citizens. Mayor Newton also referenced that for the record he is speaking for the people who cannot speak for themselves and cannot afford a better education. Mayor Newton concluded by asking if there was any more unreadiness and finalized by calling a vote.

Yeas:

Councilor John T. "Tommy" Bryant  
Councilor Tracie B. Threadford  
Councilor Catherine "Cathy" Anderson  
Councilor Veronica Bandy Freeman

Abstain:

Councilor Deborah "Debbie" Matthews

Nays:

Mayor Wayman Newton

Not voting:

None

The yeas being four (4), one (1) abstain and the nays being one (1) with zero (0) member not voting, the motion to approve Resolution No. 9229 was agreed to, and the Resolution was approved.

Next, the City Council reviewed the vouchers and expenses for the City of Tarrant Electric for October 21, 2024. Councilor Threadford moved to approve the vouchers and expenses for the City of Tarrant week ending October 21, 2024. Councilor Bryant seconded the motion. Mayor Newton called for a vote.

Yeas:

Councilor John T. "Tommy" Bryant  
Councilor Tracie B. Threadford  
Councilor Catherine "Cathy" Anderson  
Councilor Deborah "Debbie" Matthews

Nays:

Councilor Veronica Bandy Freeman

Not voting:

Mayor Wayman A. Newton

The yeas being four (4) and the nays one (1) with one (1) member not voting, the motion to approve the vouchers and expenses for the City of Tarrant Electric for October 21, 2024 was agreed to, and the vouchers and expenses were approved.

The Council reviewed the vouchers and expenses for the City of Tarrant ending October 21, 2024. Mayor Newton moved to approve the vouchers and expenses for the City of Tarrant for week ending October 21, 2024. Councilor Anderson seconded the motion. Mayor Newton called for a vote.

Yeas:

- Councilor John T. "Tommy" Bryant
- Councilor Tracie B. Threadford
- Councilor Catherine "Cathy" Anderson
- Councilor Veronica Bandy Freeman
- Councilor Deborah "Debbie" Matthews

The yeas being five (5) and the nays zero (0) with one (1) member not voting, the motion to approve the vouchers and expenses for the City of Tarrant week ending October 21, 2024 was agreed to, and the vouchers and expenses were approved.

Next, the Council moved to Public Comments.

First, Mr. Chuck Winborn. Chuck Winborn provided his comments to Mr. and Mrs. Lowry. Mr. Lowry asked about the City of Tarrant statistics on the number of Hispanic population in the schools. There was some discussion. Mr. and Mrs. Tarrant expressed their frustrations with yard issues and related it to the City of Tarrant Public Works Department. recommendations for the Public Works Department. Miscommunication issues regarding backyard property and water flow was also acknowledged.

Second, First Lady Everson of New Faith Ministries extended her thankyou from the church to Councilor Threadford for the morning service participation and Mayor Newton for the afternoon service participation. their recent participation. There will be an official thank you statement sent to the City of Tarrant from New Faith Ministries. The First Lady assured the Mayor and Council that there is constant prayers for the City of Tarrant, and there will be more integration into the community, and that the Church believes in the City of Tarrant.

There being no further comments from the public, the Mayor entertained a motion to adjourn. Councilor Threadford made a motion to adjourn. Councilor Anderson seconded the motion. A verbal vote was taken. Meeting ended at 8:01 pm.

Respectfully submitted,

Dr. Laverne Knight  
City Clerk November 6, 2024  
City of Tarrant Council Meeting, Alabama

READ AND APPROVED this the 6th day of November, 2024.

The City of Tarrant, Alabama

APPROVED: \_\_\_\_\_  
WAYMAN NEWTON, MAYOR

ATTEST: 

  
\_\_\_\_\_  
Dr. Laverne Knight



**CITY COUNCIL OF THE CITY OF TARRANT, ALABAMA**

**RESOLUTION NO. 9191**

**A RESOLUTION REMOVING CHIEF WENDELL MAJOR FROM  
THE OFFICE OF CHIEF OF POLICE FOR THE CITY OF  
TARRANT**

**WHEREAS**, following the findings of an April, 2024 independent investigation into the Office of the Chief of Police of the City of Tarrant, which revealed multiple areas of serious misconduct on the part of Chief Wendell Major, the City Council of the City of Tarrant has continual declined to remove Chief Major from office;

**WHEREAS**, since that April, 2024 report, said misconduct has continued and/or escalated, exposing law enforcement officers, the citizens and the City of Tarrant to serious harm; and

**WHEREAS**, the ongoing misconduct includes: (a) continual closing of law enforcement cases preventing and/or obstructing active investigations (including cases which involve domestic and/or gun violence); (b) retaliation in violation of the Civil Rights Act of 1964; (c) allowing unauthorized personnel unsupervised access to sensitive and confidential areas of the Public Safety Building (including former employees who were terminated for misconduct), (d) hiring personnel outside the rules, policies and procedures as outlined by the Jefferson County Personnel Board and (e) approving contracts, services and/or expenditures without prior authorization.

**WHEREAS**, based on the findings of misconduct from the April, 2024 independent investigation and the current, ongoing misconduct and exposure to harm to law enforcement officers, citizens and the City of Tarrant, Chief Wendell Major is due to be removed from the Office of the Chief of Police of the City of Tarrant for cause.

**NOW, BE IT RESOLVED** by the City Council of the City of Tarrant, Alabama while in regular session on Wednesday, November 6, 2024 at 21:00 p.m. as follows:

**Section 1.** That the City Council of the City of Tarrant does hereby immediately remove, for cause, Wendell Major from the Office of the Chief of Police for the City of Tarrant by a majority vote of those elected to the Council.

ADOPTED this the 6th day of November, 2024.

APPROVED: WAYMAN NEWTON, MAYOR

ATTEST: Laverne Knight, City Clerk

**CERTIFICATION OF CITY CLERK**

STATE OF ALABAMA )

JEFFERSON COUNTY )

I, Laverne Knight, the City Clerk of the City of Tarrant, Alabama, do hereby certify that the above and foregoing is a true and correct copy of a Resolution duly and legally adopted by the City Council of the City of Tarrant, Alabama, on the 21st day of November, 2024 while in regular session on Wednesday, November 6, 2024, and the same appears of record in the minute book of said date of said City.

Witness my hand and seal of office this 6th day of November, 2024.

Laverne Knight, City Clerk

No Second 11.6.24



**CITY COUNCIL OF CITY OF TARRANT,  
ALABAMA RESOLUTION NO. 9192**

**A RESOLUTION AUTHORIZING AND APPROVING THE CITY OF  
TARRANT TO ENTER INTO A PURCHASE AGREEMENT WITH  
AXON ENTERPRISES, INC.**

**WHEREAS**, the City of Tarrant is responsible for the condition and maintenance of the City of Tarrant Police Department equipment; and

**WHEREAS**, the condition and maintenance of Tarrant Police Department (TPD) equipment includes tasers, body cameras, signals and other necessary tools used for the TPD safety practices within the City of Tarrant; and

**WHEREAS**, the Tarrant Police Department uses tasers, body cameras, signals and other necessary tools to prevent dangerous work environments within the City of Tarrant.

**WHEREAS**, the City of Tarrant will enter into a purchase requisition agreement with Axon Enterprise, Inc. for the purpose of updating tasers, body cameras, signals and other necessary tools; and

**WHEREAS**, that the agreement is based on the Terms and Conditions as stipulated and outlined in Exhibit "A" (attached).

**NOW THEREFORE, BE IT RESOLVED** by the City Council of the City of Tarrant, Alabama while in regular session on Wednesday, November 6<sup>th</sup>, 2024 at 7:00PM as follows:

**Section 1.** That the City of Tarrant Police Chief is hereby authorized to sign the Purchase Requisition submitted by Axon Enterprise; and

**Section 2.** That the said Purchase Requisition first payment will be due October 2024 in the amount of \$24, 905.89, second payment due October 2025 in the amount of \$ 56,465.38, third payment due October 2026 in the amount of \$56,465.38, fourth payment due October 2027 in the amount of \$56,465.37 and fifth final payment due October 2028 in the amount of \$56,465.37 as identified and outlined in Exhibit "A" (attached).

**Section 3.** That the costs of this Purchase Requisition shall be paid from the City of Tarrant's Operating budget General Fund.

**Section 4.** That a copy of said Purchase Requisition is attached hereto as Exhibit "A" and made a part hereof.

**Section 5.** This Resolution shall become effective immediately upon its passage.

ADOPTED this the 6th day of November, 2024.

The City of Tarrant, Alabama

APPROVED: \_\_\_\_\_  
WAYMAN NEWTON, MAYOR

ATTEST: \_\_\_\_\_  
Dr. Laverne Knight, City Clerk



**PURCHASE REQUISITION**

No. \_\_\_\_\_

**VENDOR NO.**

**Axon Enterprise, Inc.**  
 17800 N 85<sup>th</sup> St.  
 Scottsdale, Arizona 85255

DATE: 16 July 2024

**PLEASE NOTE**

SHADED AREAS FOR USE BY  
 PURCHASING DEPT

Lt. James K. Hill II

**SHIP TO: CITY OF TARRANT**

C/O Police Department, 2593 Commerce Circle

ORIGINATOR OF REQUISITION  
 INDICATE OFFICE TO RECEIVE  
 FIELD COPIES OF PURCHASE  
 ORDER.

Tarrant, ALA

TRAFFIC YES  NO

TAX: 1 1/2%  4%  **NOT TAXABLE**  **USE BELOW**

Local Number P.O. Number PO Date Status Terms

EPT

HIPPED FROM F.O.B. N.I.P. DATE PROMISED

ate Req'd or See Split Date Req'd Buyer Name Tarrant Police Dept Chief W. W. Major Reference Type

ITEM	ORDER		DESCRIPTION	PRICE	DISC%	AMOUNT
	Quantity					
11	0	25	Bundle - Acquisition Net Price: \$53.08 Term: 60 months	\$3184.80		\$79,620.00
12	0	25	Bundle - Taser 10 Certification Net Price: \$81.24 Term: 60 months	\$4874.40		\$121,860.00
13	0	27	Axon Signal - Cable Assembly - Signal Unit	\$25.00		\$675.00
14	0	27	Axon Signal - Signal Unit	\$279.00		\$7,533.00
15	0	25	Axon Respond Plus - License	\$1288.80		\$32,220.00
16	0	1	Pro License Bundle	\$2599.80		\$2,599.80
17	0	1	Axon Body - PSO - Virtual Starter	\$2,000.00		\$2,000.00
18	0	1	Axon Taser 10 - 2 Day Instructor Course - Inside Sales	\$2500.00		\$2,500.00
19	0	27	Axon Signal - Ext. Warranty - Signal Unit	\$65.17		\$1,759.59
<b>** Payment Summary **</b>						
			October 2024	\$24,905.89		
			October 2025	\$56,465.38		
			October 2026	\$56,465.38		
			October 2027	\$56,465.37		
			October 2028	\$56,465.37		
			<b>Total</b>			<b>\$250,767.39</b>

**IF USED TO CONFIRM A PURCHASE ALREADY MADE, PLAINLY MARK CONFIRMING, AND ATTACH APPROVED INVOICE REQUISITION CONTROL STAMP**

APPROVED - MAYOR \_\_\_\_\_

Requested by: \_\_\_\_\_



Axon Enterprise, Inc.  
 17800 N 85th St.  
 Scottsdale, Arizona 85255  
 United States  
 VAT: 86-0741227  
 Domestic: (800) 978-2737  
 International: +1.800.978.2737

Q-565166-45498.866SB

Issued: 07/25/2024

Quote Expiration: 06/30/2024

Estimated Contract Start Date: 11/01/2024

Account Number: 317668

Payment Terms: N30

Delivery Method:

**SHIP TO**

TARRANT CITY POLICE DEPT. - AL  
 2593 Commerce Cir  
 Birmingham,  
 AL  
 35217-2352  
 USA

**BILL TO**

TARRANT CITY POLICE DEPT. - AL  
 2593 Commerce Cir  
 Birmingham  
 AL  
 35217-2352  
 USA  
 Email:

**SALES REPRESENTATIVE**

Spencer Bassett  
 Phone:  
 Email: sbassett@axon.com  
 Fax:

**PRIMARY CONTACT**

Wayne Curry  
 Phone: (205) 849-2800  
 Email: wcurry@tarrantpd.com  
 Fax: (205) 849-2807

**Quote Summary**

Program Length	60 Months
TOTAL COST	\$250,767.39
ESTIMATED TOTAL W/ TAX	\$250,767.39

**Discount Summary**

Average Savings Per Year	\$16,863.84
TOTAL SAVINGS	\$84,319.20

**Payment Summary**

Date	Subtotal	Tax	Total
Oct 2024	\$24,905.89	\$0.00	\$24,905.89
Oct 2025	\$56,465.38	\$0.00	\$56,465.38
Oct 2026	\$56,465.38	\$0.00	\$56,465.38
Oct 2027	\$56,465.37	\$0.00	\$56,465.37
Oct 2028	\$56,465.37	\$0.00	\$56,465.37
<b>Total</b>	<b>\$250,767.39</b>	<b>\$0.00</b>	<b>\$250,767.39</b>

Quote Unbundled Price: \$335,086.59  
 Quote List Price: \$250,771.59  
 Quote Subtotal: \$250,767.39

**Pricing**

All deliverables are detailed in Delivery Schedules section lower in proposal

Item	Description	Qty	Term	Unbundled	List Price	Net Price	Subtotal	Tax	Total
<b>Program</b>									
M00003	BUNDLE - ACQUISITION	25	60	\$93.75	\$53.08	\$53.08	\$79,620.00	\$0.00	\$79,620.00
C00010	BUNDLE - TASER 10 CERTIFICATION	25	60	\$96.78	\$81.24	\$81.24	\$121,860.00	\$0.00	\$121,860.00
<b>A la Carte Hardware</b>									
70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27			\$25.00	\$25.00	\$675.00	\$0.00	\$675.00
70112	AXON SIGNAL - SIGNAL UNIT	27			\$279.00	\$279.00	\$7,533.00	\$0.00	\$7,533.00
<b>A la Carte Software</b>									
73680	AXON RESPOND PLUS - LICENSE	25	60		\$21.48	\$21.48	\$32,220.00	\$0.00	\$32,220.00
ProLicense	Pro License Bundle	1	60		\$43.40	\$43.33	\$2,599.80	\$0.00	\$2,599.80
<b>A la Carte Services</b>									
80146	AXON BODY -PSO - VIRTUAL STARTER	1			\$2,000.00	\$2,000.00	\$2,000.00	\$0.00	\$2,000.00
101208	AXON TASER 10 - 2 DAY INSTRUCTOR COURSE - INSIDE SALES	1			\$2,500.00	\$2,500.00	\$2,500.00	\$0.00	\$2,500.00
<b>A la Carte Warranties</b>									
80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	49		\$1.33	\$1.33	\$1,759.59	\$0.00	\$1,759.59
<b>Total</b>							<b>\$250,767.39</b>	<b>\$0.00</b>	<b>\$250,767.39</b>

**Delivery Schedule**

**Hardware**

Bundle	Item	Description	QTY	Shipping Location	Estimated Delivery Date
BUNDLE - ACQUISITION	100147	AXON BODY 4 - CAMERA - NA US FIRST RESPONDER BLK RAPIDLOCK	25	1	10/01/2024
BUNDLE - ACQUISITION	100206	AXON BODY 4 - 8 BAY DOCK	4	1	10/01/2024
BUNDLE - ACQUISITION	100466	AXON BODY 4 - CABLE - USB-C TO USB-C	28	1	10/01/2024
BUNDLE - ACQUISITION	70033	AXON - DOCK WALL MOUNT - BRACKET ASSY	4	1	10/01/2024
BUNDLE - ACQUISITION	71019	AXON BODY - DOCK POWERCORD - NORTH AMERICA	4	1	10/01/2024
BUNDLE - ACQUISITION	74028	AXON BODY - MOUNT - WING CLIP RAPIDLOCK	28	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100380	AXON TASER 10 - HANDLE - YELLOW CLASS 3R	25	2	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100393	AXON TASER 10 - MAGAZINE - LIVE DUTY BLACK	25	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100394	AXON TASER 10 - MAGAZINE - HALT TRAINING BLUE	4	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100395	AXON TASER 10 - MAGAZINE - LIVE TRAINING PURPLE	3	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100396	AXON TASER 10 - MAGAZINE - INERT RED	25	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100399	AXON TASER 10 - CARTRIDGE - LIVE	70	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100399	AXON TASER 10 - CARTRIDGE - LIVE	500	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100399	AXON TASER 10 - CARTRIDGE - LIVE	70	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100399	AXON TASER 10 - CARTRIDGE - LIVE	80	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100399	AXON TASER 10 - CARTRIDGE - LIVE	80	1	10/01/2024

### Hardware

Bundle	Item	Description	QTY	Shipping Location	Estimated Delivery Date
BUNDLE - TASER 10 CERTIFICATION	100400	AXON TASER 10 - CARTRIDGE - HALT	200	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100400	AXON TASER 10 - CARTRIDGE - HALT	200	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100400	AXON TASER 10 - CARTRIDGE - HALT	150	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100400	AXON TASER 10 - CARTRIDGE - HALT	200	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100400	AXON TASER 10 - CARTRIDGE - HALT	200	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100401	AXON TASER 10 - CARTRIDGE - INERT	250	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100611	AXON TASER 10 - SAFARILAND HOLSTER - RH	25	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	100623	AXON TASER - TRAINING - ENHANCED HALT SUIT V2	1	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	20018	AXON TASER - BATTERY PACK - TACTICAL	5	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	20018	AXON TASER - BATTERY PACK - TACTICAL	25	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	70033	AXON - DOCK WALL MOUNT - BRACKET ASSY	1	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	71019	AXON BODY - DOCK POWERCORD - NORTH AMERICA	1	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	74200	AXON TASER - DOCK - SIX BAY PLUS CORE	1	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	80087	AXON TASER - TARGET - CONDUCTIVE PROFESSIONAL RUGGEDIZED	1	1	10/01/2024
BUNDLE - TASER 10 CERTIFICATION	80090	AXON TASER - TARGET FRAME - PROFESSIONAL 27.5 IN X 75 IN	1	1	10/01/2024
A la Carte	70112	AXON SIGNAL - SIGNAL UNIT	27	1	10/01/2024
A la Carte	70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27	1	10/01/2024
BUNDLE - ACQUISITION	73309	AXON BODY - TAP REFRESH 1 - CAMERA	25	1	04/01/2027
BUNDLE - ACQUISITION	73689	AXON BODY - TAP REFRESH 1 - DOCK MULTI BAY	4	1	04/01/2027

### Software

Bundle	Item	Description	QTY	Estimated Start Date	Estimated End Date
BUNDLE - ACQUISITION	73686	AXON EVIDENCE - STORAGE - UNLIMITED (AXON DEVICE)	25	11/01/2024	10/31/2029
BUNDLE - ACQUISITION	73840	AXON EVIDENCE - ECOM LICENSE - BASIC	25	11/01/2024	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	101180	AXON TASER - DATA SCIENCE PROGRAM	25	11/01/2024	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	20248	AXON TASER - EVIDENCE.COM LICENSE	1	11/01/2024	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	20248	AXON TASER - EVIDENCE.COM LICENSE	25	11/01/2024	10/31/2029
Pro License Bundle	73683	AXON EVIDENCE - STORAGE - 10GB A LA CARTE	3	11/01/2024	10/31/2029
Pro License Bundle	73746	AXON EVIDENCE - ECOM LICENSE - PRO	1	11/01/2024	10/31/2029
A la Carte	73680	AXON RESPOND PLUS - LICENSE	25	11/01/2024	10/31/2029

### Services

Bundle	Item	Description	QTY
BUNDLE - TASER 10 CERTIFICATION	100751	AXON TASER 10 - REPLACEMENT ACCESS PROGRAM - DUTY CARTRIDGE	25
BUNDLE - TASER 10 CERTIFICATION	101193	AXON TASER - ON DEMAND CERTIFICATION	1
A la Carte	101208	AXON TASER 10 - 2 DAY INSTRUCTOR COURSE - INSIDE SALES	1
A la Carte	80146	AXON BODY - PSO - VIRTUAL STARTER	1

### Warranties

Bundle	Item	Description	QTY	Estimated Start Date	Estimated End Date
BUNDLE - ACQUISITION	80464	AXON BODY - TAP WARRANTY - CAMERA	25	10/01/2025	10/31/2029
BUNDLE - ACQUISITION	80465	AXON BODY - TAP WARRANTY - MULTI BAY DOCK	4	10/01/2025	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	100704	AXON TASER 10 - EXT WARRANTY - HANDLE	25	10/01/2025	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	80374	AXON TASER - EXT WARRANTY - BATTERY PACK T7/T10	25	10/01/2025	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	80374	AXON TASER - EXT WARRANTY - BATTERY PACK T7/T10	5	10/01/2025	10/31/2029
BUNDLE - TASER 10 CERTIFICATION	80386	AXON TASER - EXT WARRANTY - DOCK SIX BAY T7/T10	1	10/01/2025	10/31/2029
A la Carte	80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	10/01/2025	10/31/2029

**Shipping Locations**

Location Number	Street	City	State	Zip	Country
1	2593 Commerce Cir	Birmingham	AL	35217-2352	USA
2	2593 Commerce Cir	Birmingham	AL	35217-2352	USA

**Payment Details**

**Oct 2024**

Invoice Plan	Item	Description	Qty	Subtotal	Tax	Total
Year 1	101208	AXON TASER 10 - 2 DAY INSTRUCTOR COURSE - INSIDE SALES	1	\$2,500.00	\$0.00	\$2,500.00
Year 1	70112	AXON SIGNAL - SIGNAL UNIT	27	\$624.19	\$0.00	\$624.19
Year 1	70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27	\$55.93	\$0.00	\$55.93
Year 1	73680	AXON RESPOND PLUS - LICENSE	25	\$2,669.77	\$0.00	\$2,669.77
Year 1	80146	AXON BODY - PSO - VIRTUAL STARTER	1	\$2,000.00	\$0.00	\$2,000.00
Year 1	80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	\$145.80	\$0.00	\$145.80
Year 1	C00010	BUNDLE - TASER 10 CERTIFICATION	25	\$10,097.41	\$0.00	\$10,097.41
Year 1	M00003	BUNDLE - ACQUISITION	25	\$6,597.37	\$0.00	\$6,597.37
Year 1	ProLicense	Pro License Bundle	1	\$215.42	\$0.00	\$215.42
<b>Total</b>				<b>\$24,905.89</b>	<b>\$0.00</b>	<b>\$24,905.89</b>

**Oct 2025**

Invoice Plan	Item	Description	Qty	Subtotal	Tax	Total
Year 2	70112	AXON SIGNAL - SIGNAL UNIT	27	\$1,727.20	\$0.00	\$1,727.20
Year 2	70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27	\$154.77	\$0.00	\$154.77
Year 2	73680	AXON RESPOND PLUS - LICENSE	25	\$7,387.56	\$0.00	\$7,387.56
Year 2	80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	\$403.45	\$0.00	\$403.45
Year 2	C00010	BUNDLE - TASER 10 CERTIFICATION	25	\$27,940.64	\$0.00	\$27,940.64
Year 2	M00003	BUNDLE - ACQUISITION	25	\$18,255.67	\$0.00	\$18,255.67
Year 2	ProLicense	Pro License Bundle	1	\$596.09	\$0.00	\$596.09
<b>Total</b>				<b>\$56,465.38</b>	<b>\$0.00</b>	<b>\$56,465.38</b>

**Oct 2026**

Invoice Plan	Item	Description	Qty	Subtotal	Tax	Total
Year 3	70112	AXON SIGNAL - SIGNAL UNIT	27	\$1,727.20	\$0.00	\$1,727.20
Year 3	70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27	\$154.77	\$0.00	\$154.77
Year 3	73680	AXON RESPOND PLUS - LICENSE	25	\$7,387.56	\$0.00	\$7,387.56
Year 3	80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	\$403.45	\$0.00	\$403.45
Year 3	C00010	BUNDLE - TASER 10 CERTIFICATION	25	\$27,940.64	\$0.00	\$27,940.64
Year 3	M00003	BUNDLE - ACQUISITION	25	\$18,255.67	\$0.00	\$18,255.67
Year 3	ProLicense	Pro License Bundle	1	\$596.09	\$0.00	\$596.09
<b>Total</b>				<b>\$56,465.38</b>	<b>\$0.00</b>	<b>\$56,465.38</b>

**Oct 2027**

Invoice Plan	Item	Description	Qty	Subtotal	Tax	Total
Year 4	70112	AXON SIGNAL - SIGNAL UNIT	27	\$1,727.20	\$0.00	\$1,727.20



**Oct 2027**

Invoice Plan	Item	Description	Qty	Subtotal	Tax	Total
Year 4	70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27	\$154.77	\$0.00	\$154.77
Year 4	73680	AXON RESPOND PLUS - LICENSE	25	\$7,387.56	\$0.00	\$7,387.56
Year 4	80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	\$403.45	\$0.00	\$403.45
Year 4	C00010	BUNDLE - TASER 10 CERTIFICATION	25	\$27,940.63	\$0.00	\$27,940.63
Year 4	M00003	BUNDLE - ACQUISITION	25	\$18,255.67	\$0.00	\$18,255.67
Year 4	ProLicense	Pro License Bundle	1	\$596.09	\$0.00	\$596.09
<b>Total</b>				<b>\$56,485.37</b>	<b>\$0.00</b>	<b>\$56,485.37</b>

**Oct 2028**

Invoice Plan	Item	Description	Qty	Subtotal	Tax	Total
Year 5	70112	AXON SIGNAL - SIGNAL UNIT	27	\$1,727.20	\$0.00	\$1,727.20
Year 5	70117	AXON SIGNAL - CABLE ASSEMBLY - SIGNAL UNIT	27	\$154.77	\$0.00	\$154.77
Year 5	73680	AXON RESPOND PLUS - LICENSE	25	\$7,387.56	\$0.00	\$7,387.56
Year 5	80379	AXON SIGNAL - EXT WARRANTY - SIGNAL UNIT	27	\$403.45	\$0.00	\$403.45
Year 5	C00010	BUNDLE - TASER 10 CERTIFICATION	25	\$27,940.63	\$0.00	\$27,940.63
Year 5	M00003	BUNDLE - ACQUISITION	25	\$18,255.67	\$0.00	\$18,255.67
Year 5	ProLicense	Pro License Bundle	1	\$596.09	\$0.00	\$596.09
<b>Total</b>				<b>\$56,485.37</b>	<b>\$0.00</b>	<b>\$56,485.37</b>

**Tax is estimated based on rates applicable at date of quote and subject to change at time of invoicing. If a tax exemption certificate should be applied, please submit prior to invoicing.**

## **Standard Terms and Conditions**

### **Axon Enterprise Inc. Sales Terms and Conditions**

#### **Axon Master Services and Purchasing Agreement:**

**This Quote is limited to and conditional upon your acceptance of the provisions set forth herein and Axon's Master Services and Purchasing Agreement (posted at <https://www.axon.com/sales-terms-and-conditions>), as well as the attached Statement of Work (SOW) for Axon Fleet and/or Axon Interview Room purchase, if applicable. In the event you and Axon have entered into a prior agreement to govern all future purchases, that agreement shall govern to the extent it includes the products and services being purchased and does not conflict with the Axon Customer Experience Improvement Program Appendix as described below.**

#### **ACEIP:**

**The Axon Customer Experience Improvement Program Appendix, which includes the sharing of de-identified segments of Agency Content with Axon to develop new products and improve your product experience (posted at [www.axon.com/legal/sales-terms-and-conditions](http://www.axon.com/legal/sales-terms-and-conditions)), is incorporated herein by reference. By signing below, you agree to the terms of the Axon Customer Experience Improvement Program.**

#### **Acceptance of Terms:**

**Any purchase order issued in response to this Quote is subject solely to the above referenced terms and conditions. By signing below, you represent that you are lawfully able to enter into contracts. If you are signing on behalf of an entity (including but not limited to the company, municipality, or government agency for whom you work), you represent to Axon that you have legal authority to bind that entity. If you do not have this authority, please do not sign this Quote.**

---

Signature

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Date Signed

7/25/2024



**EXHIBIT "A"**

**CERTIFICATION OF CITY CLERK**

**STATE OF ALABAMA    )**

**JEFFERSON COUNTY    )**

I, Laverne Knight, City Clerk of the City of Tarrant, Alabama, do hereby certify that the above and foregoing is a true and correct copy of a Resolution duly and legally adopted by the City Council of the City of Tarrant, Alabama, on the 6<sup>th</sup> day of November 2024, while in regular session on Wednesday, November 6<sup>th</sup>, 2024, and the same appears of record in the minute book of said date of said City.

Witness my hand and seal of office this the 6<sup>th</sup> day of November, 2024.

[SEAL]

  
\_\_\_\_\_  
Dr. Laverne Knight, City Clerk

CITY COUNCIL OF THE CITY OF TARRANT, ALABAMA

RESOLUTION NO. 9232

**A RESOLUTION AUTHORIZING AN INVITATION TO BID BE ISSUED FOR THE CITY OF TARRANT ELECTRIC DEPARTMENT TO PURCHASE TRANSFORMERS.**

Whereas, the City of Tarrant Electric Department (“TED”) is in need of purchasing transformers for its use; and

Whereas, the TED’s engineering firm has reviewed and created the specifications for the transformers which will be used (which is the Invitation to Bid attached as Exhibit “A” to this Resolution); and

Whereas the purchase price of the transformers is expected to exceed the minimum threshold pursuant to the Competitive Bid Law found in Title 41 of the Code of Alabama (1975, as amended); and

Whereas, having reviewed the Invitation to Bid, the City Council of the City of Tarrant, Alabama, (“City Council”) finds it in the best interest of its citizens to authorize direct the publication of the Invitation to Bid.

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Tarrant, Alabama, while in regular session, on Wednesday, November 6, 2024, at 7:00pm, a quorum duly assembled, as follows:

Section 1. The City Council approves of and directs the publication of the attached Invitation to Bid in the same or substantially the same form as attached (Exhibit “A.”)

Section 2. The Invitation to Bid shall be advertised for an adequate period of time that is customary for the same or similar type of bids issued by the TED.

Section 3. Upon the opening of all bids, which shall be held in public at the date and time specified in the Invitation to Bid, the bids shall be tabulated and submitted to the City Council for its review, its approval of the bid, and for it to authorize the execution of a contract between the TED and the lowest responsive and responsible bidder.

Section 4. The Superintendent of the TED, or her designee, is authorized to take any and all reasonable and necessary action to implement this Resolution and issue the Invitation to Bid *beginning 11.7.2024 and ending 12.7.24.*

Section 5. This Resolution shall become effective immediately upon its passage.

Adopted this the 6th day of November, 2024.



Approved: \_\_\_\_\_

Attest: *Laverne Knight*  
Laverne Knight, Ph.D., City Clerk

**Exhibit A**

**Invitation to Bid for Power Transformers**



INVITATION TO BID  
CITY OF TARRANT ELECTRIC DEPARTMENT  
TARRANT, ALABAMA

BID OPENING DATE: \_\_\_\_\_, 2024

ITEMS: \_\_\_\_\_ POWER TRANSFORMER

THE ATTACHED "GENERAL INSTRUCTIONS TO BIDDERS" TO BE CONSIDERED A PART OF THE INVITATION TO BID.

- 3 – Power Transformers, Single-Phase, 3,333/4,166 KVA (55° C)  
ONAN/ONAF 55/65 K Rise  
44 KV – 7.2 KV

➤ See attached Specifications for details.

NOTE: All bids must be sealed. All prices quoted to be F.O.B. delivered to Tarrant Electric Department in Tarrant, Alabama, unless specified otherwise. The Tarrant Electric Department reserves the right to reject any or all bids when in the opinion of the Tarrant Electric Department the best interest of the Tarrant Electric Department will be served. Bids must be received no later than \_\_\_\_\_ .M. on the Bid Due Date as indicated. If you have any inquiries about this particular Bid, please contact:

\_\_\_\_\_  
Lance Junkin - Stewart Engineering, Inc. - Telephone 256-237-0891 or  
\_\_\_\_\_  
Todd McGill - Tarrant Electric Department - Telephone 205-849-2830

BIDS MUST BE CLEARLY MARKED ON THE ENVELOPE AND WILL BE OPENED AS FOLLOWS:

CITY OF TARRANT ELECTRIC DEPARTMENT  
1700 PINSON ST.  
TARRANT, ALABAMA 35217  
BID ON POWER TRANSFORMERS  
\_\_\_\_\_, 2024 AT \_\_\_\_\_ .M.

All bid items will be expected to be delivered promptly upon receipt of the City of Tarrant Electric Department purchase order therefore, unless otherwise indicated above.

SIGNED \_\_\_\_\_ NAME OF BIDDER \_\_\_\_\_  
TYPED SIGNATURE \_\_\_\_\_ STREET OR PO BOX \_\_\_\_\_  
TELEPHONE NUMBER \_\_\_\_\_ CITY & STATE \_\_\_\_\_ ZIP \_\_\_\_\_

INVITATION TO BID  
CITY OF TARRANT ELECTRIC DEPARTMENT  
TARRANT, ALABAMA

GENERAL INSTRUCTION TO BIDDERS

1. The Tarrant Electric Department will open and read bids on the date stated in the attached Invitation To Bid, at the Tarrant Electric Department, 2533 Commerce Way, Tarrant, Alabama 35217. Bidders or their authorized representatives are invited to be present at bid opening.
2. Prices and notations must be in ink or typewritten on the form provided by the Tarrant Electric Department. All bid prices must be fully extended. Bids must conform to any attached detailed specifications to be eligible for consideration. Please state brand and delivery date of each item quoted.
3. No taxes of any kind are to be included in the bid prices unless requested. The Tarrant Electric Department will furnish tax exemption certificates when necessary.
4. All prices must be firm for a minimum of 60 days.
5. Factors to be considered in awarding bids will be delivery, price and suitability for use by Tarrant Electric Department. Tarrant Electric Department reserves the right to:
  - (a) Award bids by Lump Sum or individual items unless otherwise noted by bidder. NOTE: No purchase will be made on Lump Sum awards until individual item prices are furnished.
  - (b) Reject any or all bids and to waive technicalities when in the opinion of Tarrant Electric Department the best interest of the Tarrant Electric Department will be served.
  - (c) Make null and void the purchase order with the successful bidder if delivery cannot be made at the specified time.
6. If you do not quote, please return the specifications sheet to the Tarrant Electric Department and state reason for not quoting. Otherwise, your name may be removed from our mailing list.
7. Bid awards will not be official until bidder is formally notified by receipt of purchase order.
8. All prices quoted are to be F.O.B. Tarrant, Alabama to the Tarrant Springdale Substation.

9. These "General Instructions To Bidders" are hereby made an official part of all bids. Please observe the above instructions and conditions, as failure to do so may constitute grounds for rejection of your bid.
10. All Federal, State, and Local License and Fee requirements will be applicable.
11. Bidders must be in full compliance with all requirements of Alabama Immigration law, Act 2011-535 (also referred to as the "Beason-Hammon Alabama Taxpayer and Citizen Protection Act", or H.B. 658), as amended by Act No. 2012-491, including in part and effective January 1, 2012, and be enrolled in the E-Verify Program of the United States Department of Homeland Security. Bidder must complete, and submit, EXHIBIT A with bid.

BID FORM

CITY OF TARRANT ELECTRIC DEPARTMENT  
TARRANT, ALABAMA

Power Transformers, Single-Phase, 60 hertz, two winding power transformers outdoor, oil filled with the following rating:

3 – 3,333/4,166 KVA ONAN/ONAF @ 55°, 46,200, 45,100, 44,000, 42,900, and 41,800 (ANSI Standard Tap Values), 250 KV BIL.  
7,200 Volts, 110 KV BIL.

See attached Specifications for details.

Three (3) @ \$ \_\_\_\_\_ Each \$ \_\_\_\_\_ Total

Brand Quoted: \_\_\_\_\_

No Load Losses (KW): \_\_\_\_\_

Load Losses (KW): \_\_\_\_\_

Auxiliary Losses (KW): \_\_\_\_\_

Are all accessories shipped with transformers (YES/NO)? \_\_\_\_\_

Onsite Testing Quoted (YES/NO)? \_\_\_\_\_

Warranty Quoted (Time): \_\_\_\_\_

Shipment Quoted (Time): \_\_\_\_\_

Exceptions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**GENERAL SPECIFICATIONS  
FOR SINGLE PHASE  
POWER TRANSFORMERS**

**A. General**

These specifications are intended to cover the design and construction of three (3) one-phase power transformers to be installed at Tarrant Springdale Substation.

The transformers shall be designed and built in accordance with the latest rating, manufacturing, and testing standards of I.E.E.E., NEMA, ANSI, and ASA, and shall be complete with bushings, oil, cooling equipment, ratio adjusters, filtering connections, and other accessories.

Bushings, leads, and tap changers shall be designed or sized to carry full transformer rated load.

Transformers shall be designed to withstand a short circuit at the transformer terminals, with an infinite bus source.

**1. Rating**

Number of Phases	Single
Coolant	Oil
Type	ONAN/ONAF
Frequency	60 Cycles
KVA Rating	3,333 KVA at 55° C
High-Voltage	44,000 V
Low-Voltage	7,200 V
BIL-High-Voltage	250 KV
BIL-Low-Voltage	110 KV

**a. High-Voltage Winding**

Rated Voltage: 44,000 Volts.

Rated KVA Taps @ 46,200, 45,100, 44,000, 42,900, and 41,800.

Available on tap changer for de-energized operation with operating handle brought outside the tank.

**b. Low-Voltage Winding**

Rated Voltage: 7,200 Volts.

**B. Material, Workmanship and Warranty**

All workmanship and material shall be of high quality and all material shall be free from defects affecting appearance of serviceability of equipment.

The vendor shall furnish a warranty that the transformer and its equipment will be in accordance with these specifications and with the latest I.E.E.E., NEMA, ANSI, and ASA standards insofar as shall be consistent with the Purchaser's specifications.

Warranty period shall be for Five Years. In the event of a failure of the transformer or any component in the first two years of service, in/out costs, (transportation and rigging) shall be covered.

**C. Design Requirements and Equipment**

**1. Impedance**

The new transformer shall have minimum standard Positive Sequence Impedance @ 55 K ONAN base rating.

**2. Insulation Levels**

(a) All transformer windings shall be constructed with full insulation throughout.

(b) The insulation on the ends of the winding shall meet all dielectric requirements for their voltage class, both low frequency and impulse, as outlined in the latest edition of ANSI Standard C57.12.

(c) The following table lists the required BIL ratings for the corresponding rated line to line terminal voltage:

(1) RATED LINE-TO LINE <u>TERMINAL VOLTAGE, KV</u>	(2) BIL KV RATING FOR WINDING <u>TERMINAL INSULATION</u>
44	250
15	110

The winding terminals, with line-to-line terminal voltage ratings as given in column (1) shall be insulated at the BIL ratings as specified on the corresponding line in column (2).

### 3. Windings and Leads

- (a) Compression fittings only are acceptable for all connections.
- (b) All leads to bushings shall be of flexible conductors. Proper tolerances shall be supplied in the bushing leads to prevent undue strain on the bushings and winding anchorage during installation and to prevent excess lead lengths which may constitute insulation hazards when not properly installed. Where leads run directly into the windings they shall be properly supported at the winding end within plain view to facilitate field inspection. Winding magnet wire shall not be extended past the anchorage point.
- (c) All internal structural members shall be metal, except where insulating functions are required.
- (d) In the interest of oil preservation, the use of varnish or other materials not compatible with oil shall be prohibited.
- (e) Core grounding strap shall be brought out to a convenient position on the top of the transformer for disconnecting to facilitate field testing. The core ground shall be brought out through an adequately insulated bushing and bolted to the transformer tank. This core ground shall be shrouded with a bolted cover and the cover shall be clearly marked "CORE GROUND".
- (f) Where bolted connections are made through panels, an insulating sleeve or spacer shall be used on both sides of the panel to reduce the electric field concentration and mitigate the precipitation of suspended solids at this point.
- (g) If thorite is used internally, a description of the location and connections shall be shown on the nameplate connection diagram.
- (h) All conductors shall be copper.
- (i) All coils shall include full circumference clamping rings. Clamping rings shall be manufactured of non-conductive material.
- (j) On transformers with a base rating larger than 3.33 MVA, Windings shall be of circular construction and Windings shall be of Helical or Disc design. Layer windings are not acceptable.



4. Cooling Equipment

- (a) The transformer shall be equipped with detachable coolers with provisions to permit drainage of oil and removal of self coolers without loss of oil from the main tank.
- (b) The transformer cooling class shall be as specified and shall consist of one of the following types:
  - (1) Class OA-Self-Cooled: Self-cooled transformers shall be supplied with detachable coolers, and shall be equipped with provisions to permit drainage of oil and removal of coolers without loss of oil from the main transformer tank. Unless otherwise stated, all self-cooled transformers shall be equipped with the necessary provisions for future addition of forced cooling equipment. All radiators required for forced cooled ratings shall be provided initially with the power transformer.
  - (2) Class OA/FA-Self-Cooled/Forced-Air Cooled: Transformers of this cooling class shall be equipped as described in item 4(b) (1) and shall include a sufficient number of fans equipped with 240 volt, 60 Hertz, single-phase motors.
  - (3) Class OA/FA/FA-Self-Cooled/Forced-Air Cooled/Forced-Air Cooled: Transformers of this cooling class shall be equipped as described in item 4(b) (1) and 4(b) 2. Where multi-stage cooling is supplied, a throwover switch shall be provided to alternate duty of each stage of cooling equipment. Air blast equipment shall be controlled from winding temperature equipment specified in Section D.
- (c) Transformer cooling fans employed on OA/FA and OA/FA/FA rated transformers shall satisfy the following criteria:
  - (1) The interior of fan motors shall have no unprotected steel surfaces. Unpainted steel surfaces shall have thin coat of baked varnish or other suitable material applied to prevent rusting. All fan motor housings shall have drainage holes for draining of condensate or other liquid.
  - (2) Fans shall be free of excessive vibration. Headers or radiator tubes used for mounting fans shall be sufficiently rigid or adequately braced to prevent excessive vibration.

- (3) Fans required for each stage of cooling shall be divided among the radiator banks.
- (4) Single voltage motors are preferred.
- (5) Fans mounted on top of radiators are not acceptable.
- (6) Purchaser will supply a 240 Volt, single phase, 60 Hertz power source.

5. Bushings

- (a) Full line voltage outdoor terminal bushings shall be furnished for all windings. Standard ASA bushings shall be furnished where applicable. The type of bushings furnished shall be subject to approval by purchaser. Bushing porcelain glaze shall be light gray (ANSI No. 70).

All bushings shall be equipped with standard threaded stud type terminals:

H1 and H2 – 1 1/8" x 12;  
 X1 and X2 – 2" x 12.

- (b) All bushings shall project into the oil at its lowest level, distance being sufficient as to positively prevent flashover from the inside end of the bushing to the tank or cover.
- (c) Minimum external clearances metal to metal between adjacent phases shall be as follows, or as recommended in the latest National Standards, whichever is more stringent:

<u>Phase to Phase Voltage</u> (KV)	<u>BIL</u> (KV)	<u>Clearance</u> (in.)
44	250	22
15	110	12

- (d) All transformer bushings above 25KV (150KV BIL) shall be shipped detached from the transformer for on-site insertion into the tank.

6. Tanks

- (a) Transformer tanks shall be equipped with welded-on covers, and braced for a full vacuum. Split tank construction is not desirable, but may be used when required by shipping limitations. Unless specifically requested, there is no restriction on the assembled height, width, or depth of transformers.
- (b) The tank shall be equipped with a base capable of being skidded in any direction. It shall be equipped with rounded pulling eyes not less than 2.5 inches in diameter and suitable for pulling in any direction. Pulling eyes shall be located approximately 6 inches above the bottom of the transformer for maximum pulling efficiency.
- (c) Lugs shall be provided on the transformer for lifting the entire unit filled with oil and for the removal of cover and tank sections.
- (d) Jack bosses shall be provided at not less than four locations for using hydraulic jacks. Jack lugs shall be mounted at a minimum height of 12 inches above base.
- (e) Grounding pads shall be provided at two points on the tank and shall be complete with clamp type grounding terminal fittings for 2/0 AWG to 250 MCM copper cable (Anderson Electric #SWH-025B, or equal). The two ground pads shall be located on opposite sides of the transformer. Flat steel lugs shall be provided on the tank to provide for attaching one-bolt clamps for the purpose of supporting copper cable neutral and lightning arrester grounds to be installed by the Purchaser. These lugs shall be installed down all four (4) corners of the transformer.
- (f) A mechanical pressure relief device without frangible diaphragm and equipment with resealing device, indicator visible from the ground and alarm contacts suitable for 125 volt ungrounded DC shall be installed on top of the tank. This device may be mounted in manhole covers if the design so dictates.
- (g) Gaskets shall be made of synthetic rubber such as Nitrile, Hycar, Neoprene, etc. Cork-neoprene is not acceptable. Any departure from these standard gasket arrangements shall be clearly stated with the proposal and shall require specific approval of the Purchaser prior to acceptance. All mating steel surfaces where gaskets are to be applied shall have two coats of gulped or other

suitable paint applied and dried prior to gasket installation to prevent rusting.

- (h) When required, transformer tanks shall be equipped with steel clips suitable for attaching an insulator bracket on the low voltage side of the tank for the purpose of supporting low voltage and tertiary voltage leads.
- (i) All bolts, studs, nuts and washers used on the transformer cover for mounting manhole covers, pressure relief devices, bushings, and bushing adapters shall be stainless steel to facilitate ease of maintenance.
- (j) Manholes may be of round, oval or rectangular shape with a minimum opening of nineteen inches.
- (k) Transformer tanks shall be equipped with bushing type current transformers as follows:
  - (1) One 600 to 5 ampere (Rating Factor = 2.0) multiratio, C400 accuracy on "H1" 44KV bushing next to transformer cover.
- (l) All tank welds shall be of highest quality and shall be pressure tested free of leaks, prior to painting. All tank seams shall be welded both internally and externally. No seams should be located at the tank corners. Steel should be bent at the corners and seams formed on the sides of the tank at a location not closer than 10 inches from the tank corner.
- (m) Inside of transformer tank shall be painted white. Paint shall be compatible with transformer oil.
- (n) Transformer tank shall be designed with a slightly domed cover to shed water. A non-skid surface shall be applied to the cover prior to shipment.

## 7. Tap Changer

No-load ratio adjusters shall be provided in the high-voltage winding to permit changing of taps when the transformer is de-energized. These ratio adjusters shall be suitable for the maximum forced cooled rating of the transformer regardless of whether the equipment is purchased with cooling equipment or provisions for future cooling equipment.

The tap changer operating mechanism gearing shall be designed to easily overcome extra friction load which may develop over the life of the equipment due to age and lack of use. If sector type contacts are used, the turning ratio shall be adequate to insure good contact alignment even with the increased backlash or deflection due to aging of the equipment. The contacts shall be designed to provide for indexing approximately on the center of the sectors when approached from either direction.

The tap changer shall be provided with means for bolting in any tap position.

8. Service Conditions

The transformer shall be designed from terminal to terminal including ancillary components as follows:

- (a) Loading per ANSI C57.91. Current capacity of ancillary components shall not limit the current carrying capability of the transformer from terminal to terminal.
- (b) Short circuit withstand per ANSI C57.00 with fault currents limited by the transformer impedance only.
- (c) Audible sound levels shall be no higher than 6 dB below current NEMA Standard.

D. Accessory Equipment

1. Nameplates

A nameplate shall be furnished with each transformer. It shall be mounted at a height for easy reading from the ground and shall be located near the no-load tap changer. The following information shall be given thereon:

- (a) Connection diagram which shall include the various voltage and current ratings based on exact turn ratios.
- (b) Gallons of oil, type and percent of inhibitor, and variation of oil level with temperature.
- (c) Percent impedance between windings and KVA base.

- (d) Vector diagram.
- (e) Average copper temperature rise and maximum hot spot temperature rise.
- (f) KVA rating of windings for both self-cooled and forced-cooled. These ratings shall include both the 55 and 65 degree Centigrade ratings.
- (g) Serial number of transformer.
- (h) Total new weight.
- (i) Weight to be lifted when untanking.
- (j) Maximum pressure and fuel vacuum permissible in tank.

2. Oil Connections

Oil connections terminated with 1 ½ inch IPS threaded inlet and outlet globe type valves shall be provided as follows:

- (a) At bottom of tank. This connection shall be located so that the tank can be completely drained of oil by gravity. This valve shall be equipped with a sampler device suitable for removal of oil without opening the main valve. O. B. Series 1813, or equal, is acceptable.
- (b) At top of tank above the maximum oil level. O. B. Series 1814, or equal, is acceptable.

3. Instruments

- (a) A dial type thermometer with a maximum temperature indicating hand suitable for convenient manual reset and equipped with alarm contacts suitable for use with 125 volt ungrounded DC (or 120 volt AC) shall be provided. The thermometer shall be mounted not more than five (5) feet above the transformer base and shall indicate the hottest oil temperature. The controlling element for this thermometer shall be mounted in a well in the transformer tank so as to permit removal of the element without loss of oil. The well shall be welded to the tank where interference with tanking and untanking is prevented. Otherwise, it shall be attached to the tank wall with a suitable flange and "O" ring gasket.

- (b) One (1) single-element, three-stage, thermal relay, activated by both top oil temperature and current proportional to the current in the transformer windings, shall be furnished. The stages of this relay shall be suitable for the following operations:
- (1) First stage shall have contacts suitable for control of air blast equipment and shall operate at a temperature of 75 degrees Centigrade simulated hot spot.
  - (2) Second stage contacts shall operate an alarm circuit when load and ambient conditions specified in ASA standards C-57.92 (1959), tables 92-01.250A, 92-01.250B, 92-01.250C and 92-01.150D are exceeded by five (5) percent, assuming a 30 degree Centigrade ambient. No signal will be given for load and ambient conditions below the values given in the above tables.
  - (3) Third stage contacts shall operate a breaker tripping scheme at such temperature and time as will permit a loss of life of transformer insulation not to exceed one-half of one percent (1/2%) as indicated in tables 92-92.200A through 92-92.200P of ASA standard C57.92 (1959).

The controlling element for this relay shall be mounted in a well in the transformer tank so as to permit removal of the element without loss of oil. The well shall be welded to the tank where interference with tanking and untanking is avoided. Otherwise, it shall be attached to the tank wall with a suitable flange and "O" ring gasket.

Thermal relay operating curves shall be supplied for each relay.

Contacts for stages two and three shall be suitable for use with 125 volt ungrounded DC (or 120 volt AC).

- (c) The transformer shall be supplied complete with a large diameter magnetic type oil level gauge with contacts for a 125 volt ungrounded DC (or 120 volt AC) with maximum, minimum and 25 degrees Centigrade oil levels marked thereon.
- (d) Automatic reseal pressure relief device with 125 volt ungrounded DC (or 120 volt AC) alarm contact.



- (e) All controls, alarm and current transformer secondary circuits shall be brought out through the tank wall and terminated in the transformer control cabinet. All secondary leads within the tank shall be properly supported. Heavy terminal lugs shall be used. These lugs shall be sufficiently strong to prevent their bending during flexing of the control wire. All unfinished wiring which is to be completed in the field shall be equipped with captive connectors to prevent small parts from dropping into the windings during shipment and field assembly. Make provisions for padlocking cabinet door.

Inside of control cabinets shall be lighted by incandescent lighting, controlled by cabinet door-actuated switches. Interior of cabinet shall be painted white.

A drawing pocket shall be provided on inside of control cabinet door. Pocket shall have a hinged lid to prevent rainwater from dripping into the pocket when the door is in the open position.

Short circuiting bars shall be supplied in the control cabinet for all current transformer secondaries.

A test block is to be mounted in the transformer control cabinet.

#### E. Painting

Surfaces requiring painting shall be rendered clean and smooth and shall be finished with three (3) properly related coats of paint. Tank finish shall be a light gray color conforming to ANSI No. 70. Furnish touch-up paint identical to final coat. Paint shall be guaranteed for five (5) years. The transformer Paint System shall meet or exceed the requirements of ANSI/IEEE C57.12.28.

#### F. Oil

The necessary quantity of 0.3 percent D.B.P.C. inhibited oil shall be furnished for filling each transformer to the proper level for the temperature at the time of filling. Oil dielectric breakdown voltage shall be a minimum of 27KV; oil acid number shall not exceed 0.10 mg KOH/gal. oil; and oil interfacial tension shall test a minimum of 35 dynes/cm.

Oil must confirm or exceed the specifications given in ANSI/ASTM #D3487.

PCB content in the oil to be in accordance with EPA regulation #40CFR761 or latest revision of regulation and with manufacturer's certification. Test results showing PPM.

**G. Factory Tests**

All tests shall be conducted according to ANSI/IEEE Standards, and three (3) copies of a certified report of tests shall be sent to the Owner. One copy shall be sent to Stewart Engineering, Inc. Also provide an electronic version of the certified test report in pdf format to the customer and Stewart Engineering. Purchaser reserves the right to witness test. Purchaser reserves the right to witness test. Purchaser shall be notified at least 10 days prior to factory testing.

Loss measuring equipment shall be calibrated in accordance with NIST (National Institute of Standards and Technology), Technical Note 1204.

Transformer shall be fully assembled prior to testing. Unit shall be tested with the radiators that ship with the unit.

The report shall include all routine tests specified in ASA standard 57.12-06.11 (1958) and the latest revision of ANSI Standard Test Code for Transformers C57.12.90. In addition, the following test information shall be required and documented in the certified test report:

1. Resistance measurements of all windings on the rated voltage connection and all tap positions. All resistance measurements shall be given in ohms at 75 degrees Centigrade.
2. No-load loss and exciting current data covered in the above routine tests at rated excitation voltage shall also be supplied for 110 percent of rated voltage.
3. Regulation at 70, 80 and 100 percent power factor.
4. Temperature test data from a similar unit shall include the following additional information:
  - (a) A statement that the test was run on the highest loss tap. Such statement shall include the value of losses.
  - (b) Calculated average oil temperature from data taken during the total loss heat run. Provide measured bottom oil temperature for all temperature tests.
  - (c) Calculated hottest spot temperature at rated load from total loss heat run data. Hottest spot temperature must be calculated using localized stray and eddy losses. Applying a factor or adding 15 degrees K to the average winding temperature rise is not acceptable.

- (d) Temperature tests when required shall be made before dielectric tests.
- 5. Insulation power factor data on each unit.
- 6. A Quality Control Impulse Test shall be made on each unit unless otherwise specified. A Statement that the transformer has successfully withstood this test shall appear on the test report.
- 7. The positive sequence impedance and load loss and the zero sequence impedance and load loss shall be measured at the self cooled rating (55 K ONAN) in all high voltage tap positions.
- 8. Turns ratio on all high voltage tap positions.
- 9. Factory test reports and results will be supplied to the customer prior to delivery of transformer.

#### H. Special Test Requirements

##### 1. Temperature Rise Tests

Temperature rise tests will be required on the first transformer. Measure the bottom oil temperature for all temperature tests. Report all values on final certified test report. Temperature rise data can be derived from results of the first transformer. Show the test results on the duplicate with its serial number and test date. Temperature rise tests will be made at the highest loss tap position and with an equivalent no load loss at 105% voltage. The tests will be made at the following ratings:

- (a) Self cooled, ONAN @ 55 K rise
- (b) Self cooled, ONAN @ 65 K rise
- (c) Maximum, ONAN/ONAF/ONAF @ 55 K rise
- (d) Maximum, ONAN/ONAF/ONAF @ 65 K rise
- (e) 125% of maximum ONAN/ONAF/ONAF @ 65 K rise  
Top oil rise shall not exceed 80° C, and Hotspot rise shall not exceed 110° C, maximum (based on maximum temperatures of 110° C and 140° C, with a 30° C ambient).

Obtain samples in syringes for dissolved gas in oil and moisture in oil tests as follows:

- (a) Before the start of temperature tests.

- (b) After each temperature test at the different ratings given above.
- (c) A minimum of 3 hours after the completion of the last temperature test.
- (d) Following is the maximum allowed increase in the concentration of gasses:

<u>Gas</u>	<u>Increase After Max 65 K Rating</u>	<u>Increase After 125% Max 65 K Rating</u>
Acetylene C <sub>2</sub> H <sub>2</sub>	ND	ND
Methane CH <sub>4</sub>	2 ppm	15 ppm
Ethane C <sub>2</sub> H <sub>6</sub>	5 ppm	10 ppm
Ethylene C <sub>2</sub> H <sub>4</sub>	5 ppm	10 ppm
Hydrogen H <sub>2</sub>	15 ppm	15 ppm
CO	30 ppm	50 ppm
CO <sub>2</sub>	200 ppm	500 ppm

The purchaser shall be notified before draining oil from tank if any of the gas limits are exceeded. Test results that differ from these limits must be resolved between the purchaser and manufacturer before the oil is drained from the transformer. No further tests shall be performed before the matter is resolved.

2. Insulation Power Factor

Maximum allowable insulation power factor is 0.50% @ 20 C and shall be performed with Doble or purchaser approved equivalent.

3. Dielectric Tests

ANSI impulse test shall include the neutrals.

Measure the core to ground resistance after tanking and just prior to shipment. Minimum allowable resistance shall be 1,000 Megohms corrected to 20 C. These measurements shall be included in the final certified test report.

PD (Partial Discharge) and RIV (Radio Influence Voltage) testing shall be performed after all other electrical tests except the core ground test just prior to shipment. Maximum allowable value for PD is 300 picocoulombs during the one (1) hour test. Maximum allowable value for RIV is 200 microvolts during the enhancement test and 75 microvolts during the one (1) hour test.

Obtain oil samples in syringes for dissolved gas analysis before the beginning of dielectric tests and at least 3 hours after the completion of PDE and RIV tests. Following is the maximum allowable increase in the concentration of dissolved gasses:

<u>Gas</u>	<u>Increase After Dielectrics</u>
Acetylene C <sub>2</sub> H <sub>2</sub>	ND
Methane CH <sub>4</sub>	2 ppm
Ethane C <sub>2</sub> H <sub>6</sub>	2 ppm
Ethylene C <sub>2</sub> H <sub>4</sub>	1 ppm
Hydrogen H <sub>2</sub>	10 ppm
CO	20 ppm
CO <sub>2</sub>	200 ppm

The purchaser shall be notified before draining oil from tank if any of the gas limits are exceeded. Test results that differ from these limits must be resolved between the purchaser and manufacturer before the oil is drained from the transformer. No further tests shall be performed before the matter is resolved.

4. **FRA (Frequency Response Analysis)**

Perform FRA testing with customer approved equipment (i.e. Doble SFRA) prior to shipment. The transformer shall be tested in its shipping configuration. For bushings removed for shipment, the bushing cover plate shall have a spark plug type bushing installed in each plate for FRA testing before shipment and upon delivery. All leads shall be secured so there is no movement during shipment in order to obtain valid results for comparison between the before shipment and after delivery tests. Any other method of making provisions for these two (2) tests must be approved by the customer.

5. **Factory test reports and results will be supplied to the customer prior to delivery of transformers.**

i. **Inspection**

The Owner is to visit the Seller's factory to inspect the transformer. This inspection is to occur after the transformer has been finally assembled and before it has been placed in tank. The tank shall be ready for inspection also. The Purchaser will be notified where the inspection can be made at least 21 days in advance. Owner shall pay all expenses of representative.

**J. Spare Equipment**

As an adder please quote:

1. One spare bushing for each voltage class.
2. Manufacturer's suggested spare parts listing.

**K. Transportation**

1. All transformers are to be shipped F.O.B. destination with freight prepaid and allowed. Transformers will be offloaded by Customer. Transformers will then be tested and outfitted ready for connection to existing substation.
2. Impact recorder shall accompany the transformer during transit. The Seller shall be responsible for inspecting the transformer and impact recorder in the presence of the Purchaser upon arrival at the shipping destination to determine if any damage has occurred.
3. Tarrant Electric Department shall be notified by the Seller at least 96 hours prior to shipment and by the Carrier 48 hours prior to arrival of the transformer at its destination.

**L. Service Engineer**

1. Inspect equipment that arrives with visible damage or signs of hidden damage; forward a written report to Owner and Engineer itemizing damage incurred.
2. Be responsible for assembly of the equipment.
3. Instruct Owner's personnel in proper operation and maintenance of the equipment.
4. Perform following services in addition to those normally provided:
  - (a) Record shipping gas pressure prior to assembly.
  - (b) Thoroughly inspect all visible assembled parts and connections.
  - (c) Check all gauges and relays to assure proper working conditions.
  - (d) Check and operate all cooling equipment.

- (e) Thoroughly search for leaks.
- (f) Test oil prior to energizing to determine that dielectric strength meets requirements of ANSI and for filtering oil as required.
- (g) Oil Type.
- (h) Perform complete set of meggar and ratio tests.
- (i) Doble insulation tests.
- (j) Thoroughly check and operate high voltage no load tap changing equipment as recommended by manufacturer.
- (k) Core ground test.
- (l) Submit a written report to Owner and Engineer tabulating the checks and tests performed by each Service Engineer.

NOTE: THE COST OF THE SERVICE ENGINEER FOR ASSEMBLING AND TESTING THE TRANSFORMER IS TO BE INCLUDED WITH THE COST OF THE TRANSFORMER.

M. Information to be Furnished with Quotation

1. Type and rating of transformer.
2. Percent reactance and resistance; and high voltage to low voltage percent impedance, both positive and zero sequence. State the KVA basis on which these are calculated.
3. Load loss at normal frequency and voltage at full load.
4. No-load losses at 100 percent and 110 percent of rated voltage.
5. Exciting current at 100, 105 and 110 percent of rated voltage.
6. Auxiliary power requirements for all stages of cooling, including an estimate of requirements for future cooling.
7. The complete ratings, including catalog, drawings or style numbers of all bushings.
8. Dimensions, giving projected floor space, height to top of tank cover, overall height to top of high voltage bushings, vertical clearance above top of tank required for removal of high voltage bushings, and height required for untanking unit.

9. Quantity of oil; weight of oil.
10. Weight of core, coils, and other material to be lifted from tank.
11. Total weight of transformer with oil.
12. Total shipping weight of transformer.
13. General sketches, or descriptions of winding schemes including grouping of shell form groups, etc.
14. Preliminary temperature gradient diagrams showing estimated top oil, average winding and hot spot winding temperatures.
15. Drawings showing relief device, temperature equipment, no-load tap changer, etc.
16. A statement is required that the transformer to be furnished will be in accordance with these specifications. Any exception to them must be listed in detail.
17. Length of warranty and associated cost must be stated.

N. Drawings to be Furnished

1. Electronic copy (pdf and dwg) of each of the following drawings for approval shall be sent by the successful Bidder, to Stewart Engineering, Inc.:
  - (a) Outline
  - (b) Detail of base
  - (c) Nameplate
  - (d) Detail of bushings, gaskets and flanges
  - (e) Detail of all bushing type current transformers
  - (f) Detail of wiring diagrams (connection, alarm, control, and auxiliary)
  - (g) Assembly and instruction books (final copies only)
  - (h) Internal connection diagram (showing actual coil connections and turns diagram)



- (i) Thermal relay operating curves
- (j) Bushing type current transformer curves
- (k) Terminal board physical arrangement in control cabinet
- (l) After transformer manufacturing is complete, and prior to shipment, mail the following as indicated:
  - (1) Electronic copy (ACAD and pdf formats) of all drawings showing all changes and revisions; one copy to Stewart Engineering, Inc., Engineer, and one to Owner.
  - (2) Hard copy print of all final drawings showing all changes and revisions; three sets to Owner, one set to Stewart Engineering, Inc., Engineer.
  - (3) One hard copy print of all final drawings shall accompany the transformer when shipped.

2. Instruction Books:

- (a) Each to include descriptive bulletins, spare parts lists, installation/operation/maintenance manuals for all applicable equipment, and all final test results.
- (b) At time of shipment mail three (3) sets to Owner and one (1) set to Stewart Engineering, Inc., Engineer. Also provide electronic version of the full instruction book contents in pdf format to both Owner and Engineer.

O. Consideration of Bids

Power transformers which meet the above specifications can be supplied by ABB, Waukesha, Virginia Transformer, Pennsylvania Transformer, and Delta Star.

Until final award of the contract is made, the user reserves the right to reject any and all bids and all bids, waive any informalities or accept any bid or bids which, in the opinion of the engineers, will serve the best interest of the user. The user also reserves the right to accept or reject any alternates that may serve his best interest.

Consideration will be given to the manufacturer's experience in the design and manufacture of power transformers, to the company's participation in transformer research, and to their other activities which aid the progress of the industry.

P. Guidelines that will be Followed while Evaluating each Bid

1. To enable easy comparison of bid prices, the base price quoted must be the firm price at delivery date.
2. The transformer price quoted must include the transformer oil cost on the delivery date.
3. \$1000 will be deducted from the quoted price if the transformer and all its accessories are not shipped complete at the same time. This is the expected cost of excess handling of components that arrive at different times than the transformer.
4. The quoted price will be for the transformer to be shipped F.O.B. destination.
5. The seller's quote is to include assembly and testing of the unit in the field.
6. Transformer losses shall be evaluated. Furnish loss values in KW for the following:
  - (a) No Load Losses \_\_\_\_\_KW @ \$6,000/KW
  - (b) Load Losses \_\_\_\_\_KW @ \$2,000/KW
  - (c) Auxiliary Losses \_\_\_\_\_KW @ \$1,500/KW

If losses, as determined by factory tests, exceed the proposed losses, the evaluated loss price will be deducted from the contract, or deducted from the amount to be paid the Vendor. If losses as determined by factory tests are less than proposed losses, no credit will be given.

Q. Guarantee

The transformer five-year guarantee will begin the day the transformer is energized within 12 months from the date the transformer is tested and ready for energization, at the following site:

- Springdale Substation
- SW Corner of Medeo Road and Clow Road.
- Tarrant, AL

R. Exceptions

Note any exceptions taken to these specifications should be stated and clarified and will be subject to Tarrant Electric Department's approval before awarding of bids.

EXHIBIT A

**AFFIDAVIT FOR BUSINESS ENTITY/EMPLOYER/CONTRACTOR**

*(To be completed as a condition for the award of any contract, grant, or incentive by the State of Alabama, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees)*

State of \_\_\_\_\_

County \_\_\_\_\_

Before me, a notary public, personally appeared \_\_\_\_\_  
*(print name)* who, being duly sworn, says as follows:

As a condition for the award of any contract, grant, or incentive by the State of Alabama, any political subdivision thereof, or any state-funded entity to a business entity or employer that employs one or more employees, I hereby attest that in my capacity as \_\_\_\_\_ *(state position)* for \_\_\_\_\_ *(state business entity/employer/contractor name)* that said business entity/employer/contractor shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien.

I further attest that said business entity/employer/contractor is enrolled in the E-Verify program. ***(ATTACH DOCUMENTATION ESTABLISHING THAT BUSINESS ENTITY/EMPLOYER/CONTRACTOR IS ENROLLED IN THE E-VERIFY PROGRAM)***

\_\_\_\_\_  
Signature of Affiant

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

I certify that the affiant is known (or made known) to me to be the identical party he or she claims to be.

\_\_\_\_\_  
Signature and Seal of Notary Public

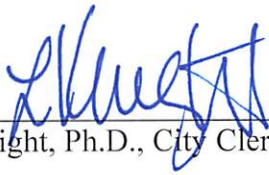
Certification of City Clerk

STATE OF ALABAMA     )  
JEFFERSON COUNTY    )

I, Laverne Knight, the City Clerk of the City of Tarrant, Alabama, do hereby certify that the above and foregoing is a true and correct copy of a Resolution duly and legally adopted by the City Council of the City of Tarrant, Alabama, on the 6th day of November, 2024 while in regular session on Wednesday, November 6, 2024, and the same appears of record in the minute book of said date of said City.

Witness my hand and seal of office this the 6<sup>th</sup> day of November, 2024.



  
\_\_\_\_\_  
Laverne Knight, Ph.D., City Clerk

CITY COUNCIL OF THE CITY OF TARRANT, ALABAMA

RESOLUTION NO. 9233

A RESOLUTION AUTHORIZING PAYMENT OF PURCHASE  
ORDER 20-2599 FOR REPAIRS TO PUBLIC WORKS EQUIPMENT –  
KB LOADER

WHEREAS, The KB Loader utilized by the Public Works Department of the City of Tarrant is in need of extensive repairs.; and

WHEREAS the said KB Loader consists of damage to the rack gear and drive spline, with the correction of a replacement of rack gear, drive spline, shaft pistons and seals to be serviced; and

WHEREAS, an estimate for known repairs in the amount of \$12,564.84 is attached hereto as Exhibit A;

THEREFORE, BE IT RESOLVED by the City Council of the City of Tarrant, Alabama while in regular session on Wednesday, November 6, 2024 as follows:

1. That the Mayor is hereby authorized to pay for required and necessary repairs to the KB Loader as shown on Exhibit A attached hereto and incorporated herein by reference.
2. Said funds shall be paid from the City of Tarrant General Fund.

ADOPTED this the 6th day of November, 2024.

The City of Tarrant, Alabama

APPROVED: \_\_\_\_\_  
WAYMAN NEWTON, MAYOR



ATTEST:   
Dr. Laverne Knight, City Clerk



2800 Powell Avenue South  
Birmingham, AL 35233  
(800) 501-0757

3196 US Highway 231 North  
Shelbyville, TN 37160  
(615) 696-7066

2025 West I-65 Service Road North  
Mobile, AL 36618  
(800) 435-3044

2601 South Stone Mountain Lithonia Road  
Stonecrest, GA 30058  
(706) 685-6900

Ship To: IN STORE PICKUP

Invoice To: CITY OF TARRANT  
P.O. BOX 170220  
TARRANT AL 35217

Branch <b>BIRMINGHAM</b>		
Date 10/25/24	Time 23:00:24 (B)	Page 01
Account No TARRA001	Phone No 2058492802	Inv No W01707
Ship Via	Purchase Order 20-2599	
Tax ID No		
	Salesperson NIP	

Attention: CHRIS MUIR

**SERVICE INVOICE**

STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
E000065 124	RAMER 4500 SCOWBOD KB LOADER	X 12-11 34355		
SEGMENT# 1 C 52	NA	01/02/24	01/02/24	
RACK GEAR NEED PACKING KIT.				
<u>COMPLAINT:</u>				
RACK GEAR NEED PACKING KIT.				
<u>CAUSE:</u>				
Damage to rack gear and drive spline				
<u>CORRECTION:</u>				
Replaced rack gear, drive spline, shaft pistons and seals.				
Leak and ops checks good.				
FRT	FREIGHT	1	134.63	134.63
GP	HARDWARE	1	428.89	428.89
RPB-328	RACK BRASS BUSH	2 N	78.50	157.00
R1708	PACKING KIT	2 N	38.23	76.46
302-1	CENTER TUBE	1 N	732.50	732.50
321	RACK NUT	2 N	6.50	13.00
322	21 TOOTH GEAR	1 N	1135.73	1135.73
323-RP	RACK AND PINION	1 N	3895.93	3895.93
4324	RACK AND PINION RACK GEAR			
	RACK PISTON	2	171.43	342.86
			PARTS	6917.00
			LABOR	5509.50
10400000			SEGMENT TOTAL==>	12426.50

\*\*\*\*\* WORK ORDER TOTALS \*\*\*\*\*  
 PARTS 6917.00  
 LABOR 5509.50  
 SHOP SUPPLIES 138.34  
 CONTINUED ON PAGE 02

Please remit payment to: PO Box 938, Birmingham, AL 35201

X

Received By

Check us out online at: [www.secequip.com](http://www.secequip.com)

☎ ☎ ☎ Sansom Equipment Company | ☎ ☎ @secequipment

**Thank You For Your Business!**



2800 Powell Avenue South  
Birmingham, AL 35233  
(800) 501-0757

3196 US Highway 231 North  
Shelbyville, TN 37160  
(615) 696-7066

2025 West I-65 Service Road North  
Mobile, AL 36618  
(800) 435-3044

2601 South Stone Mountain Lithonia Road  
Stonecrest, GA 30058  
(706) 685-6900

Ship To: IN STORE PICKUP

Invoice To: CITY OF TARRANT  
P.O. BOX 170220  
TARRANT AL 35217

Attention: CHRIS MUIR

Branch BIRMINGHAM		
Date 10/25/24	Time 23:00:24 (B)	Page 02
Account No TARRA001	Phone No 2058492802	Inv No W01707
Ship Via	Purchase Order 20-2599	
Tax ID No		
	Salesperson NIP	

**SERVICE INVOICE**

STK#/FLEET#		HRS	PIN/EIN	WARRANTY DATE	HRS
E000065	RAMER 4500 SCOWBOD		X 12-11		
124	KB LOADER	34355			
NP102524				TOTAL PRICE	12564.84

Please remit payment to: PO Box 938, Birmingham, AL 35201

X

Received By

Check us out online at: [www.secequip.com](http://www.secequip.com)

Sansom Equipment Company | 
 
 @secequipment

**Thank You For Your Business!**



Certification of City Clerk

STATE OF ALABAMA     )  
JEFFERSON COUNTY    )

I, Laverne Knight, the City Clerk of the City of Tarrant, Alabama, do hereby certify that the above and foregoing is a true and correct copy of a Resolution duly and legally adopted by the City Council of the City of Tarrant, Alabama, on the 6th day of November, 2024 while in regular session on Wednesday, November 6, 2024, and the same appears of record in the minute book of said date of said City.

Witness my hand and seal of office this the 6<sup>th</sup> day of November, 2024.



\_\_\_\_\_  
Laverne Knight, Ph.D., City Clerk



**CITY COUNCIL OF THE CITY OF TARRANT, ALABAMA**

**RESOLUTION NO. 9234**

**A RESOLUTION AUTHORIZING THE SUBMISSION OF AN  
ALABAMA 911 PROPOSED/RECOMMENDED NEW CONTRACT  
WITH RPSS.**

**WHEREAS**, the City Council of the City of Tarrant recognizes the need to transfer 911 call handling services to Tarrant Dispatch; and

**WHEREAS**, the 911 new contract with RPSS consists of three positions at a term of 60 months in the hosted 911 pricing for the City of Tarrant.

**WHEREAS**, costs for the total contract at 60 months or 5 years is not to exceed \$149,850.00, or \$29,970.00 annually.

**BE IT RESOLVED** by the City Council of the City of Tarrant, Alabama while in regular session on Wednesday, November 6, 2024 at 7:00 p.m. as follows:

**Section 1.** That the City Council of the City of Tarrant hereby authorizes Mayor Wayman Newton to execute all necessary documents for the submission of a proposed/recommended new contract with RPSS for three positions.

**Section 2.** That the City of Tarrant pay a total monthly cost of \$2,497.50 for the next 60 months.

ADOPTED this the 6<sup>th</sup> day of November, 2024.



APPROVED: \_\_\_\_\_  
WAYMAN NEWTON, MAYOR

ATTEST: \_\_\_\_\_  
Laverne Knight, City Clerk



# 911 Proposal 2024-2025 Budget Yr.

I am currently proposing the Tarrant sign a 5 yr contract with RPSS for Hosted 911 services. This is the Hosted service that was brought before the council as a grant opportunity. Currently that grant process is stalled and moving towards the next legislative session for approval.

- **OLD CONTRACT with Jeffco 911:** 2 positions                      COST: \$ 36,700 annually  
\$ 18,350 per position/yr  
\$ 110,100 3 yr contract

*This contract provided 2 positions of equipment for 911 calls and dispatch system equipment for those calls in our Dispatch center. (Current system used is Call Works a Motorola product) This system will be going end of life next year. Jeffco 911 provided us 2 positions at 911 in this price at their location for dispatch if we needed in case of disaster or uncontrolled events.*

- **NEW CONTRACT with Jeffco 911:** 2 positions                      COST: \$ 45,000 annually  
\*\*\* THIS CONTRACT HAS NOT BEEN SIGNED YET \*\*\*                      \$ 22,500 per position/yr  
\$ 135,000 3 yr contract

**\$ 8,300 increase over last contract annually**

*This contract provided 2 positions of equipment for 911 calls and old dispatch system equipment for those calls in our Dispatch center. (Current system used is Call Works a Motorola product) This system will be going end of life next year. Jeffco 911 provided us 2 positions at 911 in this price at their location for dispatch if we needed in case of disaster or uncontrolled events.*

- **PROPOSED/RECOMMENDED NEW CONTRACT with RPSS:** 3 Positions  
COST: \$ 29,970 Annually  
\$ 9,990 per position/yr  
\$ 149,850 5 yr contract

**\$ 15,030 savings annually over new Jeffco 911 contract.**

**\$ 75,150 savings over 5 yrs**

The Recommended contract would be for a term of 5 years. This contract would provide new 911 equipment in Dispatch (related to 911 call taking **NOT RADIO EQUIPMENT OR RECORDERS**), New Motorola Vesta Dispatching platform, vastly improved support and monitoring of software and hardware. New equipment gets replaced every 5 yrs under contract.

## AGREEMENT

This Agreement (the "Agreement") is made and entered into by and between the Jefferson County 9-1-1 Emergency Communications District, Inc. ("Jefferson County 9-1-1") and the City of Tarrant, Alabama, a municipal corporation organized under the laws of the State of Alabama (the "City"), wherein the parties hereto agree as follows:

**WHEREAS**, the City is a public safety answering point that handles 9-1-1 calls regarding and related to public safety services ("9-1-1 Call Handling");

**WHEREAS**, the City desires to maintain consistent functionality of the equipment and connectivity underlying 9-1-1 Call Handling;

**WHEREAS**, Jefferson County 9-1-1 is a nonprofit, public corporation formed pursuant to Ala. Code § 11-98-4(g) that is capable of providing and hosting operations to maintain consistent functionality of the equipment and connectivity underlying 9-1-1 Call Handling; and

**WHEREAS**, the City desires to enter into a contract with Jefferson County 9-1-1 to provide and host operations to maintain consistent functionality of the equipment and connectivity underlying 9-1-1 Call Handling;

**NOW THEREFORE**, for the mutual consideration set forth herein, the amount and sufficiency of which is acknowledged by the parties to this Agreement, Jefferson County 9-1-1 and the City have entered into this Agreement, whereby it is agreed that:

1. **SCOPE OF SERVICES.** Jefferson County 9-1-1 agrees to provide the following services to the City at Jefferson County 9-1-1's facility in Center Point, Alabama and/or another data center maintained by Jefferson County 9-1-1 (the "9-1-1 Facility"):

a. The installation, maintenance and support of a two (2) position NG9-1-1 System provided by Emergency CallWorks (Dispatch Station) including the necessary IP connection between Jefferson County 9-1-1 and the City;

b. A geo-diverse back-up location to insure uninterrupted 9-1-1 phone service;

c. An emergency back-up site that the City may utilize in the event that the City's 9-1-1 operations cannot be performed at a City facility; and

d. Space to accommodate back-up radio equipment.

2. **CITY'S CONTINUED RESPONSIBILITIES.** The City shall continue to be responsible for the installation and maintenance all IT, data, and telephone connections necessary for its 9-1-1 Call Handling and related dispatch services other than those specified in Section 1 above. The City's continued responsibility shall include responsibility for the installation and maintenance all IT, data, and telephone connections at any facility other than the 9-1-1 Facility, including any

facility owned and/or operated by the City. The City's continued responsibility shall also include responsibility for the provision of dispatch services and dispatch operations related to 9-1-1 Call Handling.

3. **TERM.** The term of this Agreement shall be for three (3) years, commencing on August 1, 2024 and ending on July 31, 2027. Either Jefferson County 9-1-1 or the City may terminate this Agreement as provided for in Section 6.

4. **COMPENSATION.** Jefferson County 9-1-1 agrees to provide the services specified in Section 1 above for an annual amount of \$45,000.00, payable in quarterly installments of \$11,250.00 (the "Quarterly Payment"). Jefferson County 9-1-1 shall invoice the City for the Quarterly Payment on, respectively, March 1<sup>st</sup>, June 1<sup>st</sup>, September 1<sup>st</sup>, and December 1<sup>st</sup> of each year, with the City's payment of the respective Quarterly Payment being due within thirty (30) days thereafter. Jefferson County 9-1-1 and the City expressly agree and affirm that no compensation paid to Jefferson County 9-1-1 under this Agreement shall be used to pay any portion of the salary or benefits of any Jefferson County 9-1-1 employee. Jefferson County 9-1-1 and the City expressly agree and affirm that Jefferson County 9-1-1 may use the compensation paid to it under this Agreement for its operational costs other than employee salaries and benefits.

5. **COMPENSATION ADJUSTMENT.** The compensation provided for in Section 4 is based on Jefferson County 9-1-1's telecommunications equipment and services costs as of August 1, 2024. The City acknowledges and agrees that Jefferson County 9-1-1's telecommunications equipment and services costs could increase during the term of this Agreement. Should there be such an increase, Jefferson County 9-1-1 and the City agree to negotiate in good faith regarding amending this Agreement in order to adjust the compensation paid to Jefferson County 9-1-1.

6. **TERMINATION.** The parties may jointly agree in writing to terminate this Agreement at any time. Either party may terminate this Agreement for any reason upon sixty (60) days written notice to opposite party. Jefferson County 9-1-1 may terminate this Agreement immediately upon written notice to the City in the event that the City fails to make any Quarterly Payment as specified in Section 4. Termination shall not serve to relieve the City from any payment obligation due and owing to Jefferson County 9-1-1 at the time of said termination.

7. **MUTUAL INDEPENDENCE.** It is understood and agreed that an independent contractor relationship is hereby established under the terms and conditions of this Agreement. The employees or agents of Jefferson County 9-1-1 are not now, nor will they be deemed to be, employees of the City. The employees of the City are not now, nor will they be deemed to be, employees of Jefferson County 9-1-1. This Agreement does not create, and shall not be interpreted to create, a joint venture or business partnership under Alabama law.

8. **ASSIGNABILITY.** Neither party will assign, in whole or in part, its obligations under this Agreement without the prior written consent of the opposite party.

9. **GOVERNING LAW.** This Agreement shall be governed by the laws of the state of Alabama. The venue for any dispute arising under this Agreement shall be the Birmingham Division of the Circuit Court of Jefferson County, Alabama.

10. **NO THIRD PARTY BENEFICIARIES.** The parties agree that they have not entered into this Agreement for the benefit of any third person(s) and it is their express intention that this Agreement is intended to be for their respective benefits only and not for the benefits of others who might otherwise be deemed to constitute third party beneficiaries thereof.

11. **SEVERABILITY.** In the event any part of this Agreement is held unenforceable for any reason, the unenforceability thereof will not affect the remainder of this Agreement, which will remain in full force and effect and be enforceable in accordance with its terms.

12. **NOTICES.** All notices to Jefferson County 9-1-1 will be addressed to Jefferson County 9-1-1 Emergency Communications District, Inc., Attention: Director, 2659 Center Point Parkway, Birmingham, Alabama 35215.

13. **AMENDMENT.** This Agreement may be amended at any time only with the written consent of both parties.

14. **AUTHORIZATION.** Each party acknowledges that its respective governing body has authorized, approved, and ratified this Agreement and that the persons signing on behalf of each party are duly authorized to do so and duly authorized to bind the party for whom they sign.

15. **ENTIRE AGREEMENT.** This Agreement constitutes the entire agreement of the parties and is intended as a complete and exclusive statement of the promises, representations, negotiations, discussions and agreements that have been made in connection with the subject matter hereof.

By:

**Jefferson County 9-1-1 Emergency  
Communications District, Inc.**

**City of Tarrant, Alabama**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Printed Name

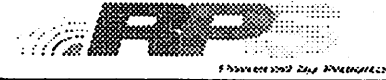
\_\_\_\_\_  
Title

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Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

**Hosted 9-1-1 Pricing**  
**City of Tarrant, AL**



Term (Months)	Number of Positions / Phones	Position Cost	Position Cost After Down Payment	Monthly Recurring Cost
60	3	\$49,950.00	\$49,950.00	\$2,497.50
			Down Payment (Per Position)	Total Monthly Cost
				\$2,497.50

Total Monthly Cost	Total Annual Cost	Total Contract Cost (5 Year)
\$2,497.50	\$29,970.00	\$149,850.00



Hosted 9-1-1 Pricing  
City of Tarrant, AL



Term (Months)	Number of Positions / Phones	Position Cost	Position Cost After Down Payment	Monthly Recurring Cost
60	3	\$49,950.00	\$49,950.00	\$2,497.50
			Down Payment (Per Position)	Total Monthly Cost
				\$2,497.50

Total Monthly Cost	Total Annual Cost	Total Contract Cost (5 Year)
\$2,497.50	\$29,970.00	\$149,850.00

# City of Tarrant AL Hosted Vesta 911 Sample Project Timeline





## Tarrant, AL

Hosted VESTA

24-202

Current Release: 24-202

Document type: SOW

Issued: 7/29/24

Version: v1.2

**Document Management**

**1 Summary**

**Project Management**

**CPE**

**Call Delivery Network**

**Administrative Integration**

**As-Built (Post Sales Document)**

**NGCS Call flow notes:**

**Admin Call flow notes:**

**Database**

**Transfers**

**Training**

**Post Cut Services**

**2 Admin Call Flow Diagram**

**3 High level system design drawing**

**Equipment list –**

**VESTA Sourced**

**Equipment list – RPSS/Indigital sourced**

## Document Management

### Document location

Location
Corporate file repository

### Author

Position	Name	Contact no
Technical Solutions Engineer	Curt Wolfenberger	260-469-2144

### Revision history

Version	Issue date	Author/editor	Description/Summary of changes
1.0	19-017	CAW	Creation
1.1	24-202	Craig Pickering	Tarrant, AL Specifics

### Review/Approvals

Version	Issue date	Name	Position	Approval date

### Related documents

Document	Location

# 1 Summary

This Scope of Work (SOW) is to define the scope and schedule of deliverables from RPSS

City of Tarrant, AL has agreed to purchase **RPSS hosted Motorola Vesta 9-1-1** hardware with and software solutions from RPSS. The VESTA system will replace two (2) existing workstations.

The population of Tarrant, AL is 5,910 (2022)

Three (3) hosted VESTA answering positions to be located at main PSAP location,

## **Project Management**

Craig Pickering WILL FILL THIS ROLE

## **CPE**

Tarrant AL approved and signed a contract for three (3) **hosted VESTA answer positions and Admin integration**, with five (5) years maintenance and support. The three hosted VESTA workstations will be connected to and serviced from the **Alabama hosted VESTA controllers**, operated by RPSS located in Huntsville and Montgomery.

**VESTA Hosts** located in Huntsville and Montgomery are operated and maintained by RPSS.

The VESTA system will be provisioned to push ALI data spills to the local **CAD and MAP systems**. The system can also be consolidated to a single headset for radio and call processing with the existing radio equipment. Dispatcher will have option to use Radio headset or Handset connected to Vesta position.

New equipment will be installed in the existing rack.

Adequate power, generator backup are provided with UPS systems in the computer room at Tarrant AL, 2593 Commerce Circle, Birmingham AL 35217. Tarrant will provide 4-6U rack space for new equipment.

## **Call Delivery Network**

Tarrant will migrate to ANGEN for 9-1-1 call delivery. ANGEN project will coordinate the installation of one (1) primary and one (1) backup IP circuits to Tarrant for the delivery of 9-1-1 calls via Internet Protocol (IP) to the PSAP.

## **Administrative Integration**

Analog pots type lines will be used to connect to the local TIG for admin call handling on VESTA system. Typical speed dials and conference transfers will be provisioned into the VESTA system. The Telephony Integration Gateway (TIG, aka "admin integration") Server will be rack mounted 1RU. System is provisioned for up to 6 analog POTS type lines.

## **As-Built (Post Sales Document)**

(The As-Built will be sent to Motorola and RPSS operations after the final site visit is complete)

## **NGCS Call flow notes:**

The primary call delivery path will be from the INdigital/ANGEN Data Centers in Huntsville and Montgomery to the VESTA Hosts. 9-1-1 call delivery from the VESTA hosts located in Huntsville and Montgomery AL to Tarrant AL will be completed to the VESTA host workstations will occur via (1) IP circuit and/or (1) backup commodity Internet connection utilizing an IPsec VPN.

Carrier POI → ANGEN NGCS → Alabama VESTA Host → Tarrant VESTA Stations

## **Admin Call flow notes:**

Admin calls are delivered from ATT Pots lines to local MP114 FXO gateway to TIG. TIG will deliver calls to Vesta Core to Vesta Positions.

## **Database**

DB SERVICES WILL BE MANAGED BY INDIGITAL

## **Transfers**

911 TRANSFERS will be made via FIPS code via ANGEN Network

## **Training**

RPSS will provide onsite training to dispatchers. RPSS will also provide PSAP administrator training/layout building.

## **Post Cut Services**

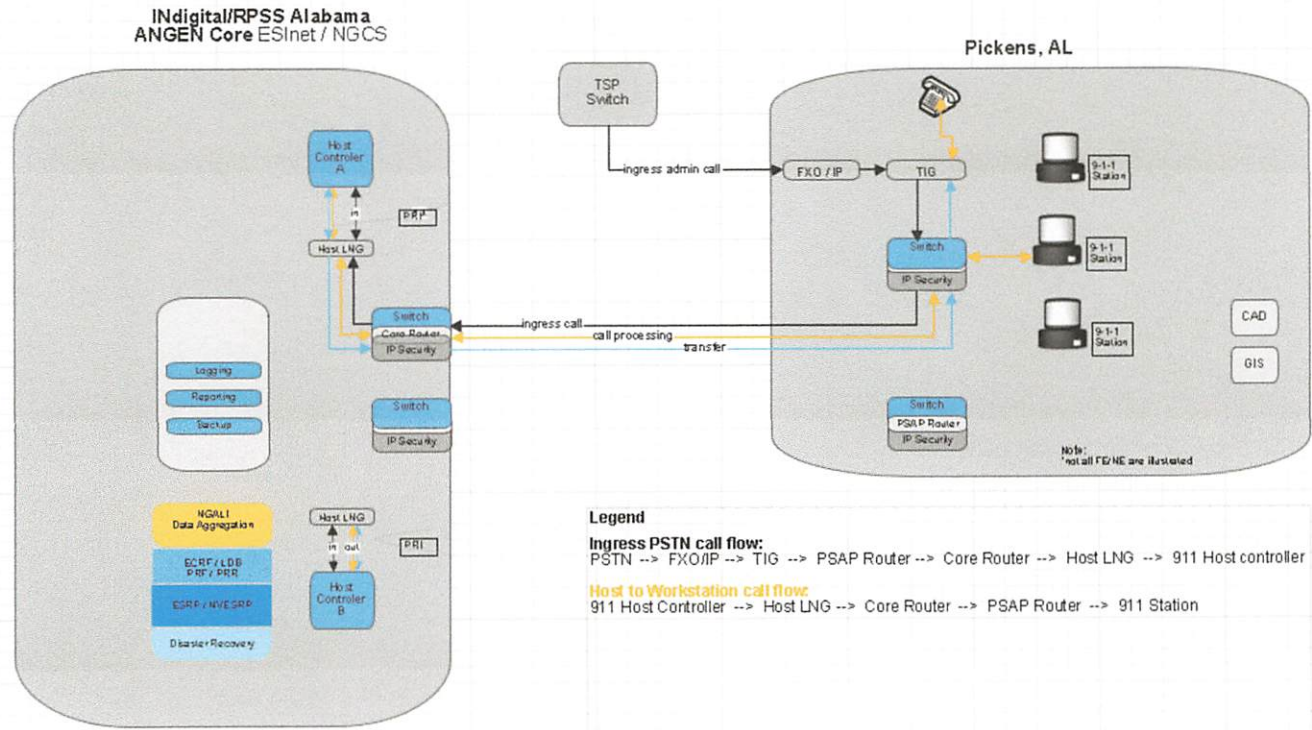
911 Call delivery, Database, Quarterly Preventative Maintenance, annual maintenance and support



## 2 Admin Call Flow Diagram

ESINET HOSTED NG9-1-1

April 29, 2021



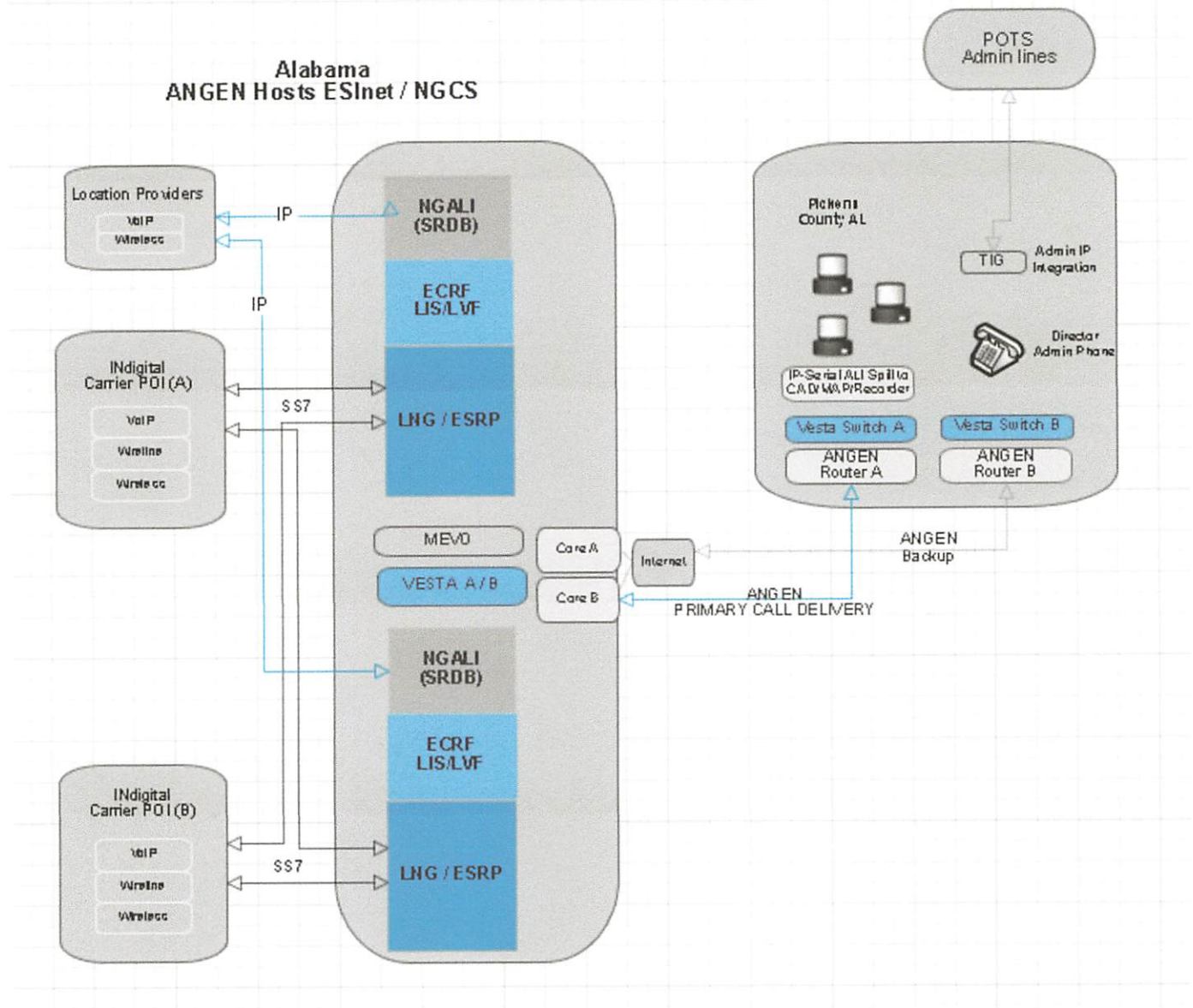
**Notes:**

Simple call flow of incoming admin line call to PSAP A. Call is sent to the NG9-1-1 Host, depicted with a BLACK connector, for delivery (back) to the NG9-1-1 workstation at PSAP A, depicted with YELLOW connector. Once call is established, 9-1-1 Station (transfers) the call to a local PBX for delivery to a phone registered to it at PSAP A, via the TIG (telephony integration gateway), depicted with a BLUE connector. No redundancy elements or SIP operations are shown in an effort to present the basic call flow.

The YELLOW connector represents the connected call and does not demonstrate the functions of the workstation in selecting the transfer function.



### 3 High level system design drawing



The primary call delivery path will be from the INdigital Data Center to the Alabama VESTA Core located at Huntsville and Montgomery Data Centers. 9-1-1 call delivery from the VESTA host located in Alabama to Tarrant AL will be completed to the VESTA host workstations will occur via (1) Primary IP circuit and/or (1) backup commodity Internet connection utilizing an IPsec VPN.

Carrier POI → INdigital/ANGEN Data Center → Alabama VESTA Host → ANGEN WAN → Tarrant VESTA Stations

## End of Document

CERTIFICATION OF CITY CLERK

STATE OF ALABAMA     )

JEFFERSON COUNTY     )

I, Laverne Knight, the Acting City Clerk of the City of Tarrant, Alabama, do hereby certify that the above and foregoing is a true and correct copy of a Resolution duly and legally adopted by the City Council of the City of Tarrant, Alabama, on the 6th day of November, 2024 while in regular session on Wednesday, November 6, 2024, and the same appears of record in the minute book of said date of said City.

Witness my hand and seal of office this 6<sup>th</sup> day of November, 2024.

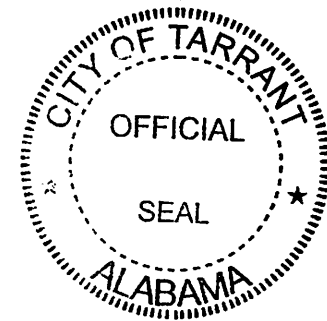


Laverne Knight  
Laverne Knight, City Clerk

# TARRANT ELECTRIC DEPARTMENT

## VOUCHER LIST

November 1, 2024



Batch ID: CHK10242024KH  
 Batch Comment:

Audit Trail Code: PMCHK00001038  
 Posting Date: 10/24/2024

Checkbook ID: EL02

\* Voided Checks

Check Number	Date	Payment Number	Vendor ID	Check Name	Amount
043653	10/24/2024	00000000000013804	10201	AT&T Mobility	\$384.20
043654	10/24/2024	00000000000013805	1069	STEWART ENGINEERING	\$2,370.00
043655	10/24/2024	00000000000013806	154	ANSWERTEL	\$2,700.00
043656	10/24/2024	00000000000013807	163	AUTO ZONE	\$9.40
043657	10/24/2024	00000000000013808	20	AAA ENVIRONMENTAL SERVICE	\$41.00
043658	10/24/2024	00000000000013809	295	CENTRAL SERVICE ASSOCIATION	\$6,362.08
043659	10/24/2024	00000000000013810	394	WILLIE DOVE DOOR COMPANY	\$543.00
043660	10/24/2024	00000000000013811	4035	CHRISTOPHER THOMPSON	\$595.00
043661	10/24/2024	00000000000013812	4050	TYLER PAYNE	\$297.50
043662	10/24/2024	00000000000013813	464	FIRE SAFE	\$417.00
043663	10/24/2024	00000000000013814	479	VECTOR SECURITY	\$615.06
043664	10/24/2024	00000000000013815	5736	DARRYL TRUCKS	\$542.50
043665	10/24/2024	00000000000013816	725	MAYER ELECTRIC SUPPLY COMPANY,	\$2,275.02
043666	10/24/2024	00000000000013817	738	NOVA-TEC INC.	\$28.60
043667	10/24/2024	00000000000013818	7875	JASON HILL	\$140.00
043668	10/24/2024	00000000000013819	840	OFFICE DEPOT	\$63.07
043669	10/24/2024	00000000000013820	CSM002291	BARRINGTON REALTY	\$642.71
043670	10/24/2024	00000000000013821	CSM006782	TONY E BROWN	\$104.90
043671	10/24/2024	00000000000013822	CSM006920	EMMA ANN HEARD - NESBITT	\$315.94
043672	10/24/2024	00000000000013823	CSM007046	APOLINAR GARCIA JUAREZ	\$184.76

Total Checks: 20

Checks Total: \$18,631.74

Batch ID: CHK10312024KH  
 Batch Comment:

Audit Trail Code: PMCHK00001039  
 Posting Date: 10/31/2024

Checkbook ID: EL02

\* Voided Checks

Check Number	Date	Payment Number	Vendor ID	Check Name	Amount
043673	10/31/2024	00000000000013824	0510	DIPIAZZA LAROCCA HEETER & CO,	\$47,500.00
043674	10/31/2024	00000000000013825	1120	CITY OF TARRANT	\$29,652.56
043675	10/31/2024	00000000000013826	132	AMERICAN FIDELITY ASSURANCE	\$1,024.12
043676	10/31/2024	00000000000013827	163	AUTO ZONE	\$76.22
043677	10/31/2024	00000000000013828	281	CAPE ELECTRICAL SUPPLY LLC	\$4,329.90
043678	10/31/2024	00000000000013829	301	CINTAS	\$160.86
043679	10/31/2024	00000000000013830	4035	CHRISTOPHER THOMPSON	\$595.00
043680	10/31/2024	00000000000013831	4050	TYLER PAYNE	\$297.50
043681	10/31/2024	00000000000013832	5272	ROGER VOSS	\$595.00
043682	10/31/2024	00000000000013833	672	LIBERTY NATIONAL LIFE INSURANC	\$326.79
043683	10/31/2024	00000000000013834	6771	BFI WASTE SERVICES, LLC	\$1,470.12
043684	10/31/2024	00000000000013835	725	MAYER ELECTRIC SUPPLY COMPANY,	\$315.26
043685	10/31/2024	00000000000013836	7875	JASON HILL	\$140.00
043686	10/31/2024	00000000000013837	854	O'REAR HARDWARE	\$192.02
043687	10/31/2024	00000000000013838	CSM004534	TIFFANY D GULLEDGE	\$413.34
043688	10/31/2024	00000000000013839	CSM005984	EMMA JEAN BAKER	\$207.87
043689	10/31/2024	00000000000013840	CSM006282	CHERYL D LANE	\$60.38
043690	10/31/2024	00000000000013841	CSM006678	CHRYSTAL L JONES	\$256.02
043691	10/31/2024	00000000000013842	CSM006819	RONIESHA BROOKS	\$1,953.60
043692	10/31/2024	00000000000013843	CSM006842	JARED K GANDY	\$122.31
043693	10/31/2024	00000000000013844	CSM101395	TARRANT HOUSING AUTH	\$293.63
043694	10/31/2024	00000000000013845	CSM101694	JAQUEL PEARSON	\$72.50

Total Checks: 22

Checks Total: \$90,055.00