



**RESOLUTION OF THE COUNTY BOARD  
WILL COUNTY, ILLINOIS**

**Awarding Bid for the County-Wide P25 800 MHz Trunked Simulcast Radio System  
and Subscriber Equipment for Will County, IL**

WHEREAS, the Will County Executive’s Office released the request for proposal for County-Wide P25 800mhz Trunked Simulcast Radio System and Subscriber Equipment for Will County, IL, and

WHEREAS, the County Executive’s Office received three (3) proposals for County-Wide P25 800mhz Trunked Simulcast Radio System and one (1) proposal for Subscriber Equipment Only, for Will County, IL, and

WHEREAS, after reviewing such proposals, recommendation from the Ad Hoc Committee for Radio System, Ed Bean, Will County Radio Lab Director, and Jack Hart, Tusa Consulting, is to award the entire project to the lowest responsible bidder E.F. Johnson Company, Irving, TX.

NOW, THEREFORE, BE IT RESOLVED, that the Will County Board hereby awards the bid to the lowest responsible bidder E.F. Johnson Company, Irving, TX.

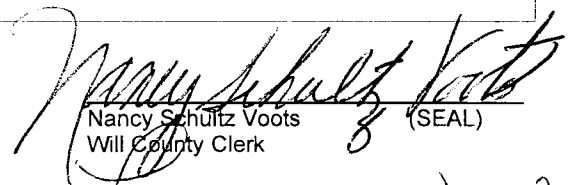
**BE IT FURTHER RESOLVED, that the Will County Board hereby authorizes the Will County Executive to negotiate a contract with E. F. Johnson, subject to the review and approval of the Will County State’s Attorney’s Office.**

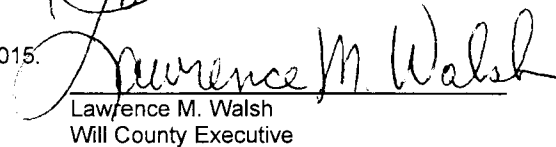
Adopted by the Will County Board this 20th day of August, 2015.

<b>AYES:</b>	Howard, Moustis, Singer, Moran, Rice, Harris, Traynere, Fritz, Freitag, Gould, Balich, Fricilone, Brooks Jr., Parker, Staley-Ferry, Babich, Hart, Maher, Tuminello, Weigel, Collins, Ferry
<b>ABSENT:</b>	Ogalla, Bennefield, Winfrey, Wilhelmi

Result: Approved - [Unanimous]

Approved this 3rd day of September, 2015.

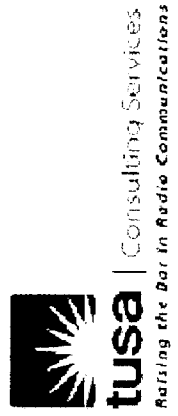
  
 Nancy Schultz Voots (SEAL)  
 Will County Clerk

  
 Lawrence M. Walsh  
 Will County Executive

# WILL COUNTY RADIO SYSTEM PROJECT



## RFP Proposal Review & Recommendation *TUSA CONSULTING SERVICES*



# AGENDA

1. Project Review
2. RFP Process
3. RFP Proposals Received
4. Clarification Questions & Answers
5. Vendor Presentations
6. Final Vendor Questions
7. Recommendation

# 1. Project Review

- Tusa Consulting Services retained to assist with transition to P25 - **March, 2014**
- Will County's current radio system uses Harris EDACS technology (1997).
- Harris has announced EDACS end-of-life support
  - March 7, 2011 letter advised December 3, 2017 end of support for critical system parts. This is impacting systems across the U.S.
- Public Safety agencies are transitioning to the APCO 25 ("P25") open-architecture digital standard
- Multiple vendors offer P25 systems and/or P25 subscriber equipment

## 2. RFP PROCESS

**July/August, 2014** – Technical Specifications and RFP developed for the system transition, and reviewed with the County. The RFP solicited proposals for a P25 system infrastructure and/or P25 subscriber equipment pricing

**September 26, 2014** – RFP published (included request to consider reuse of existing equipment and sites)

**October 22/23, 2014** – pre-bid meeting and site visits

### 3. RFP Proposals Received

**January 16, 2015** – proposals received from EF Johnson, Harris and Motorola for P25 system and subscriber equipment. BK/RELM proposed subscriber equipment, only.

4.  
Clarification Questions  
&  
Answers

## Clarification Questions & Answers

- *After an initial evaluation of the proposals, Clarification Questions were submitted to the 3 system vendors and BK/RELM.*
- *Questions ranged from seeking clarification about technical information to requesting information that was required in the RFP but was missing from their proposal.*
- *Key questions will be reviewed*



# Clarification Questions & Answers

## EF Johnson

- 1) Provide 3 references as requested
  - 3 suitable references were provided
  
- 2) Confirm ability to interface EFJ system to Motorola MCC7500 consoles (details needed)
  - Capability affirmed, but no details provided

# Clarification Questions & Answers

## Harris

- 1) Provide RFP-required microwave system and antenna/site information
  - Information provided
  
- 2) Explain why Naperville was not used
  - Not needed to provide in-building coverage to Naperville

# Clarification Questions & Answers

## Motorola

- 1) Why does the design use ETSB resources?
  - ETSB resources are key “Will County” elements. Proposed use of decommissioned ETSB consoles (not mentioned in RFP)
- 2) Why was the *Mokena* site used?
  - “Alternative sites...are available...”
- 3) Why were new shelters and generators proposed?
  - Best way to support parallel operation

# Clarification Questions & Answers

## Harris Alternate Proposal

### *“Continue to operate EDACS system for 7 years”*

- 1) How will the EDACS system be maintained through 2023?
  - Replace key elements upfront, then use decommissioned parts
- 2) Provide a timeline of system upgrades and costs for the 7 year timeframe
  - “Many options”, but no timeline or costs provided

# Clarification Questions & Answers

## Motorola Alternate Proposal

### *“Transition to the statewide STARCOM system”*

- 1) What are recurring costs if Will County joins the STARCOM system?
  - \$249,000 to \$274,800
- 2) Why are sites outside of Will County proposed?
  - improves STARCOM system

5.  
Vendor  
Presentations

## Vendor Presentations

*April 28, 2015 - Will County invited the three system vendors and BK/RELM to make presentations to the Commission.*

### Presentation Agenda

- *Short background on their company*
- *Detailed review of their proposal*

# Vendor Presentations

## EF Johnson

- 9-site design
- Distributed architecture
- CSSI console compatibility



# Vendor Presentations

## Harris

- 8-site design, Naperville not needed
- Has not interfaced with Motorola MCC7500 via CSSI\*
- Alternate plan: keep EDACS running until 2023 with decommissioned parts

\*ISSI test was conducted in 2010 between DFW Harris and City of Dallas Motorola systems

# Vendor Presentations

## Motorola

- 11 site design
- Propose to use ETSB Core and reuse ETSB consoles
- Can revisit need for new shelters and generators
- Alternate plan: STARCUM

# Vendor Presentations

## BK/RELM

- Subscriber-equipment-only bidder
- No local service shop

6.  
FINAL Vendor  
Questions

## Vendor Presentations – Follow-Up

*As a follow-up to the presentations, “FINAL” questions were sent to each system vendor on **May 1, 2015**:*

**EF JOHNSON** – provide details regarding CSSI interface to Motorola MCC7500 consoles

- Details of CSSI test process provided

**HARRIS** – provide a 7-year P25 transition timeline

- A timeline was provided – upfront payment discount offered

**MOTOROLA** – provide pricing for standalone system, add console costs, delete shelters and generators

- Reaffirmed ETSB plan; provided “deduction costs” for consoles, shelters, and generators

**Compliance to RFP/County requirements:**

**SUMMARY**

<b>RANKING</b>	<b>VENDOR</b>	<b>COMPLIANCE to RFP</b>	<b>COST</b>
#1	EF Johnson	most	lowest
#2	Motorola	mid	highest
#3	Harris	least	mid

## 7. RECOMMENDATION

Tusa Consulting Services recommends Will County initiate contract negotiations with **E.F. JOHNSON**.

### **Rationale:**

- ✓ most compliant proposal
- ✓ technologically advanced architecture
- ✓ known vendor and service organization
- ✓ focused on County's requirements
- ✓ commitment to CSSI connectivity to ETSB consoles
- ✓ best value



**tusa** | Consulting Services  
Raising the Bar in Radio Communications

Bid Tabulation for  
Will County, IL

Department: #2015-30 COUNTY-WIDE P25 800MHz RADIO SYSTEM, EMA

Due: 1-16-15, 2:00 P.M.

Opened: 1-16-15, 2:10 P.M.

BIDDER	BID DEPOSIT & PRIME CERTIFICATION	Radio System
E.F. JOHNSON COMPANY IRVING, TX <i>PAUL MARSHALL</i>	Bond / Ck 10% BOND PC <i>yes</i> Addendum 1 <i>yes</i> Addendum 2 <i>yes</i> Addendum 3 <i>yes</i> Forms <i>yes</i>	Qualifies Bid  4 COPIES
RELM WIRELESS CORPORATION MELBOURNE, FL	Bond / Ck 10% Bond PC <i>yes</i> Addendum 1 <i>yes</i> Addendum 2 <i>yes</i> Addendum 3 <i>yes</i> Forms <i>yes</i>	Qualified Bid  Equipment Only
MOTOROLA SOLUTIONS SCHAUMBURG, IL  <i>ALOREN BAUM</i>	#1 Bond / Ck 10% Bond PC <i>yes</i> Addendum 1 <i>yes</i> Addendum 2 <i>yes</i> Addendum 3 <i>yes</i> Forms <i>yes</i>	BOTH Qualifies BIOS  #2 Bond 10% Bond PC <i>yes</i> ADD1 <i>yes</i> ADD2 <i>yes</i> ADD3 <i>yes</i> Forms <i>yes</i>
HARRIS CORPORATION LYNCHBURG, VA <i>Mike Ryan</i>	Bond / Ck 10% Bond PC <i>yes</i> Addendum 1 <i>yes</i> Addendum 2 <i>yes</i> Addendum 3 <i>yes</i> Forms <i>yes</i>	Qualified Bid

ALSO PRESENT:

Rita Weiss, Missy Miesmer-Fort, Ed Bean

*RW*

*MMF*

*EB*

Kevin Helina

*KH*

Brian Ciszczon

*BC*

HAROLD DAMRON

*HD*

Missy Miesmer-Fort

*MMF*



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Due: 1-16-15, 2:00 P.M.

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BIDDER	BID DEPOSIT & PRIME CERTIFICATION	Radio System
A-BEEP  JOLIET, IL	Bond / Ck  PC Addendum 1 Addendum 2 Addendum 3 Forms	Not Accepted NO forms ind. Equipment only
	Bond / Ck  PC Addendum 1 Addendum 2 Addendum 3 Forms	
	Bond / Ck  PC Addendum 1 Addendum 2 Addendum 3 Forms	
	Bond / Ck  PC Addendum 1 Addendum 2 Addendum 3 Forms	

**ALSO PRESENT:**  
Rita Weiss, Missy Miesmer-Fort, Ed Bean

**FROM THE DESK OF  
RITA WEISS  
PURCHASING DIRECTOR**

**BID HISTORY**

**ITEM:** 2015-51 COUNTY-WIDE P25 800MHZ RADIO SYSTEM, EMA

**DEPARTMENT:** WILL COUNTY RADIO LAB/EMA

**BID LETTING:** SEPTEMBER 26, 2014

**PUBLISHED NOTICE:** SEPTEMBER 29, 2014, HERALD NEWS & INTERNET

**FUNDING SOURCE:** CAPITAL IMPROVEMENTS

**PREBID MEETING:** OCTOBER 22 & 23, 2014

**NUMBER ATTENDED:** 6 COMPANIES

**BID OPENING:** JANUARY 16, 2015, 2:10 PM

**LOCATION:** WILL COUNTY OFFICE BUILDING  
302 N. CHICAGO STREET  
JOLIET, ILL. 60432

**BIDDING RESULTS:**

<b><u>NUMBER RELEASED:</u></b> 6	<b><u>NUMBER RETURNED:</u></b> 5
<b><u>BIDDER:</u></b>	<b><u>TOTAL BASE COST</u></b>

See Bid Tabulation attached.

Recommendation from Ad Hoc Committee for Radio System for Radio System, Ed Bean, Will County Radio Lab Director, and Jack Hart, Tusa Consulting, is to award the entire project to the lowest responsible bidder E.F. Johnson Company, Irving, TX.