RICHLAND COUNTY PUBLIC SAFETY STANDING COMMITTEE MEETING

DATE: FRIDAY, JUNE 3, 2022 TIME: 8:30 A.M. LOCATION: COUNTY BOARD ROOM OF THE RICHLAND COUNTY COURTHOUSE 181 W SEMINARY ST, RICHLAND CENTER, WI 53581

https://richlandcounty.my.webex.com/richlandcounty.my/j.php?MTID=m63d3f67a0343f4b 1b8712c88a5fa7778

Friday, Jun 3, 2022 8:30 am | 3 hours | (UTC-05:00) Central Time (US & Canada) Meeting number: 2556 096 0041 Password: 6sUP3YKKPF3

Join by video system Dial <u>25560960041@richlandcounty.my.webex.com</u> You can also dial 173.243.2.68 and enter your meeting number.

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Access code: 255 609 60041

- 1. Call to Order.
- 2. Read and approve Notice of Posting for June 3, 2022 Public Safety meeting.
- 3. Read and approve agenda for June 3, 2022 Public Safety meeting.
- 4. Read and approve minutes of the May 13, 2022 Public Safety Meeting.
- 5. Coroner updates.
- 6. Clerk of Court Updates.
 - a. Monthly updates/reports
- 7. Probate Department
 - a. Monthly updates/reports
- 8. District Attorney Update.
 - a. Monthly updates/reports
- 9. Emergency Management

- 10. Approve monthly invoices and other Sheriff's Department reports.
- 11. Filling open positions in the Sheriff's Department
- 12. Discuss department active shooter training.
- 13. Radio Tower project vendor contract negotiation
- 14. Radio Tower Project updates
- 15. Mapping, Radio System & Squad Updates
- 16. Future agenda items
- 17. Adjourn.

RICHLAND COUNTY PUBLIC SAFETY COMMITTEE MEETING Friday, May 13, 2022

The Richland County Board of Supervisors Public Safety Committee met on Friday, May 13, 2022 at 8:30am in the County Board Room of the Richland County Court House in Richland Center, Wisconsin.

Committee members present at the meeting were: Committee Chair Melissa Luck and Committee members David Turk, Kerry Severson, Bob Frank, Richard McKee, Ken Rynes and Barbara Voyce. Present from the Richland County Sheriff's Department were Sheriff Clay Porter, Chief Deputy Aaron Wallace, and Amber Muckler. Also present for the meeting or a portion of the meeting was Richland County Clerk of Circuit Court Stacy Kleist, DA Jennifer Harper, Darin Gudgeon, Jenifer Laue, Clinton Langreck, Barb Scott, and Mike Day of True North.

Agenda Item #1: Call to Order: Committee Chair Luck called the meeting to order at 8:30am.

Agenda Item #2: Read and Approve Notice of Posting for May 13, 2022 Public Safety Committee Meeting: Committee Chair Luck confirmed that the meeting was properly posted. Upon receiving confirmation Luck declared meeting properly posted.

Agenda Item #3: Read and Approve the Agenda for May 13, 2022 Meeting: Motioned by Bob Frank to approve the agenda. 2nd to this motion by Kerry Severson. Motion passed.

Agenda Item #4: Read and Approve Minutes of the April 8, 2022 LEJC Meeting: Motion by Kerry Severson to approve the minutes as printed. 2nd to this motion by Bob Frank. Motion passed, minutes accepted.

Agenda Item #5: Elect committee Vice-Chair and Secretary: Kerry Severson nominates Bob Frank, 2nd to this motion by Melissa Luck. Motion approved to elect Bob Frank as Vice-Chair to the Public Safety Committee. Ken Rynes nominates Kerry Severson as Secretary, 2nd to this motion by Bob Frank. Motion approved to elect Kerry Severson as Secretary to the Public Safety Committee.

Agenda Item #6: Coroner Updates: Sheriff Porter gave an update for the Coroner for the month. There were 16 deaths in March and 12 deaths in April. The Coroner is still seeking 2 to 3 more people to help in the deputy coroner positions.

Agenda Item #7: Clerk of Court Update: Clerk of Court Kleist gave a brief overview of her office and the duties of her office and the court system. Kleist went over her reports with the committee members. Kleist briefly discussed the open position of the judge and she is hopeful that there will be a judge hired by sometime in June. **Agenda Item #8: Probate Updates:** Jenny Laue gave a brief overview of her office, how her office interacts with the court system, the types of cases that her office deals with and aspects of her department's budget.

Agenda Item #9: District Attorney Updates: Not available for this meeting.

Agenda Item #10: Emergency Management: Director Gudgeon gave a brief overview of his department and also submitted a document giving information on his department to the committee. Gudgeon went over his budget, how his budget and department is funded, the main components of his budget and major events in the past years that have impacted his department.

Agenda Item #11: Approve monthly invoices and other Sheriff's Department reports: There was discussion about if invoices still needed to be approved during this meeting. It was an agreement of the committee to look at the invoices each month. Motion to approve paying the invoices made by Kerry Severson, 2nd to this motion by Bob Frank. Motion approved.

Sheriff Porter went over his jail statistics report with the committee members. Sheriff Porter also went over the compliance checks with liquor license holders. There were 11 failures, 15 passes, 4 of the failures were repeat failures. Citations were issued for the failures and warning letters are sent out prior to the compliance checks and it gives the establishments tips of what to look for. Citations are issued to the server, not the business. Porter states that even with the 11 failures that is an improvement from prior checks.

Agenda Item #12: Review & Discussion of Ordinance 89-7: Luck stated this is an Ordinance on how hiring is done within the Sheriff's Department. Luck would like the committee members to read and review this ordinance between now and the next meeting and then questions can be asked at a future meeting. Porter stated there needs to be new wording on the state testing part of the ordinance because there is no competitive testing from the state anymore. Porter states that the department is currently down 2 positions, but according to the ordinance the department is not fully staffed and down 1 additional road position.

Agenda Item #13: BOTS Summer Traffic Enforcement Grant approval:

Sheriff Porter states this is the traffic grant the department does every summer. As of right now the amount of the grant is \$10,000 all overtime hours and the state will reimburse the department 100%, and traffic enforcement is to be done on state highways. Motion to approve this summer traffic grant made by Bob Frank, 2nd to this motion by Ken Rynes. Motion approved.

Agenda Item #14: Approval to apply for a Cops hiring grant: Porter states this COPS grant is a matching grant in the amount of \$125,000 for three years and the department is eligible for this grant. Porter would like to fund the position 75% for the first, 50% for the 2nd year and 25% for the 3rd year. Porter stated he has talked to the County Administrator about this grant and funding this through the department's operational budget. The County Administrator states this item (position) will be on the list of things that the county will need to look at possibly funding during the budget process. The timeframe on this application is due June 9, 2022. Motion to approve applying for this grant but not to accept the grant if awarded made by Bob Frank, 2nd

to this motion by Ken Rynes. There was more discussion regarding this grant and funding of this grant. Motion approved.

Agenda Item #15: Approval to hire a casual Jailer/Dispatcher: Sheriff Porter discussed wanting to hire Isaac Jones as a casual Jailer/Dispatcher. Isaac is working towards his degree through Southwest Technical College. The department would sponsor him, but not pay for his schooling. He would need to be a paid employee in ordered to be sponsored at the academy school. Motion to approve this hire made by Kerry Severson, second to this motion by Bob Frank. Motion approved.

Agenda Item #16: Discussion regarding filling future open positions: Sheriff Porter stated this item is being looked at due to the fact that the department has retirements coming and the department would like to be able to fill open positions prior to the retirement of a current employee. The thought is to get someone training before the current employee retires which takes about 3 months to train a new employee. Currently we hire someone after the current position is vacant and then the department accrues overtime due to the open position and an untrained new position. The cost savings to the department would be a savings in overtime. Luck would like the Sheriff's Department to come back next month with the actual financial impact these retirements pose on the budget.

Agenda Item #17: Discussion on using the Sheriff's Department remaining funds from 2021: Chief Deputy Wallace talked about the money that was given back in the 2021 budget of \$163,345 and would like to possibly have some of this money given back to the employees of the Sheriff's Department to retain employees. Employees over 5 years would receive \$3000 and employees over 3 years would receive \$2000 bonus and employees over 1 year would receive \$1000 for a total of \$72,000, so the department would still be giving back money to the county. Luck stated that HHS wanted to do the same thing, she likes the concept but would like to do this county wide not just for certain departments. Luck stated that the Administrator's office is looking into this with the amounts given back to the county for a county wide either bonus or increase in wages for 2022.

Agenda Item #18: Open and approval of inmate meal bid(s): There was only one bid received from Summit Foods, who is our current food vendor. Motion to approve the bid from Summit Foods made by Bob Frank, second to this motion by Ken Rynes. Motion approved.

Agenda Item #19: Permission to see other bids for cameras in the jail: This item was skipped as this will be worked into the radio project.

Agenda Item #20: Discussion and possible approval for an MOU with the WI DNR: Sheriff Porter has a possible MOU approval with the WI DNR regarding boat availability when needed in an emergency. This MOU has been reviewed by Corporation Counsel. Personnel would have to be trained with the DNR. The boat would be stored at the fairgrounds.

Agenda Item #21: Review True North Radio Project Evaluation Report for recommendation for contract negotiations: Mike from True North went over the evaluation report with the committee members. Recommendation of 9 sites and 2

green filled sites and 4 channels for radio coverage and pull the subscriber piece out of the contract and fill it separately. Mike went over the ten year maintenance part of the contract. There was discussion and questions regarding coverage, Mike stated that the wording in the coverage should never go below 90% but should definitely stay right around the 95% coverage. Mike stated there are 2 vendors and rankings for these vendors that is documented in the evaluation report and also discussed timelines on contract approvals. Luck stated that this committee will make a decision on the contract and then it moves forward to County Board. The committee would like the vendors to present their information, so special meetings would need to be scheduled so that the project timeline can still move forward. Motion to instruct True North to set up a time for the vendors to present to the committee made by Melissa Luck, second to the motion by Kerry Severson. Motion approved.

Agenda Item #22: Discussion and approval to enter into Phase 3 with True North Consulting: This item was not presented at this meeting.

Agenda Item #23: Radio Tower Project updates: Nothing further on this item

Agenda Item #24: Mapping, Radio System & Squad Updates: Sheriff Porter went over the squad report with the committee members. Mapping – there is some mapping questions that are being looked into. Radio – There is still an issue with paging for Cazenovia but dispatch is getting around it for right now.

Agenda Item #25: Discussion and possible approval on new meeting day/time: Luck stated meetings have been held on Fridays for many years, she is open to suggestions. The agreement is to hold meeting the first Friday of the month in June at 8:30 am.

Agenda Item #26: Future agenda items:

Agenda Item #27: Adjourn; Motion by Kerry Severson to adjourn until the regular Public Safety Committee meeting. Second to this motion by Ken Rynes. Motion passed, meeting adjourned.

Respectfully Submitted by Office Manager, Amber Muckler

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AL SYSTEM	12:24:14
ACS FINANCIAL	06/02/2022

Disbursement History Report

CLAIM INVOICE SOURCE/JE/ID LINE ACCOUNT NAME PROJECT PO# F 9 BX M BANK FUND & ACCOUNT

RICHLAND COUNTY GL540R-V08.17 PAGE 2

> CHECK# DATE VENDOR VENDOR NAME DETAIL DESCR

REPORT TOTALS:

16,430.89

RECORDS PRINTED - 000014

RICHLAND COUNTY GL520R-V08.17 PAGE 1

RICHLAND COUN Expenditure Guideline FOR THE PERIOD(S) JAN 01, 2022 THROUGH MAY 31, 2022	ANNUAL ACT MTD POSTED ACT YTD POSTED REMAINING REVISED BUDGET ENCUMBERED AND IN PROCESS AND IN PROCESS BALANCE PCT		84,229.60 0.00 6,350.40 31,752.00 52,477.60 37 150.00 0.00 0.00 6,350.40 31,752.00 57,477.60 37 150.00 0.00 0.00 0.00 16,000 0	15,000.00 0.00 1,060.32 3,474.67 11,525.33 23 15,000.00 0.00 1,060.32 3,474.67 11,525.33 23	11,500.00 0.00 12,060.45 14,222.71 2,722.71 123!! 11,500.00 0.00 12,060.45 14,222.71 2,722.71 123!!	TE 25,000.00 0.00 3,210.90 4,615.90 20,384.10 18 25,000.00 0.00 3,210.90 4,615.90 20,384.10 18	IR 500.00 0.00 0.00 147.00 353.00 29 500.00 0.00 0.00 147.00 353.00 29 193,756.65 0.00 25,463.99 68,338.42 125,418.23 35	
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RICHLAND COUNTY SHERIFF'S DEPARTMENT MONTHLY BILLS SUBMITTED FOR APPROVAL MAY 2022 BILLS (PRESENTED AT THE JUNE 3RD, 2022 PUBLIC SAFETY COMMITTEE MEETING)

			D, 2022 PUBLIC SAFETY COMMITTEE MEETING)		General		
		# OF			Dept. Bills		
NO.	VENDOR	INV.	DESCRIPTION	INVOICE #	\$ AMT	LINE ITEM	LINE ITEM
1	BELCO	1	SQUAD MAINTENANCE	7161		10.5211.0000.5352	
2	CHARM TEX	2	JAIL SUPPLIES	284081, 284262		10.5251.0000.5352	
3	CURTIS/SUSAN	2	UNIFORM ALLOWANCE/CURTIS	N/A	113.91	19.5213.0000.5346	
4	ELIOR - SUMMIT FOODS	2	MEALS FOR PRISONERS	142889, 143305	6,260.47	10.5251.0000.5294	
5	FILLBACK FORD	2	SQUAD MAINTENANCE	292736, 292666	308.95	10.5211.0000.5352	
				2113/266,			
				21171965, 20957971.			
				20957971, 20989689.			
6	GALLS	5	UNIFORM ALLOWANCE & CRIME SCENE EQUIP	20909009, 20977547	806.90	19.5213.0000.5346	10.5211.0000.5818
7	GARCIA GLINICAL LAB	1	CARE OF PRISONERS	61413	53.00	10.5251.0000.5296	
8	GRAHAM, NICK	1	UNIFORM ALLOWANCE/GRAHAM	N/A	69.21	19.5213.0000.5346	
9	JCOMP TECHNOLOGIES	1	COMPUTER MAINTENANCE	68198	459.00	10.5211.0000.5813	
10	KIESLER POLICE SUPPLY	1	AMMO SUPPLIES	187617	494.59	10.5211.0000.5361	
		_		19387336,			
11	MCKESSON MEDICAL	2	JAIL SUPPLIES	19365346		10.5251.0000.5352	
12	RICHLAND COUNTY HHS	1	MENTAL HEALTH FEES/APRIL	2022-04		10.5251.0000.5299	
13	RICHLAND OBSERVER	1	ADVERTISING	N/A		10.5211.0000.5326	
14	THE SHOE BOX	1	UNIFORM ALLOWANCE/MCCOLLOUGH	82189		19.5213.0000.5346	
15	ULINE	1	CRIME SCENE EQUIP	148259633		10.5211.0000.5818	
16	WEGNER AUTO SERVICE	1	TOWING/R22-1082	4200	175.00	10.5211.0000.5295	
17	AUTOZONE	1	SQUAD MAINTENANCE	1990654820	16.24	10.5211.0000.5352	
18	KEIL ENTERPRISES	1	TRAINING	N/A	747.00	10.5211.0000.5157	

MAY 2022 BILLS	11,010.57
SHERIFFS DEPARTMENT	2,660.29
POLICE RADIO	2,000.25
COUNTY JAIL	7,372.16
SHERIFFS OUTLAY-NEW CARS	
DEPARTMENT-UNIFORM ALLOWANCE	978.12
SPECIAL INVESTIGATIONS	
DOG CONTRACT-MONTHLY PAYMENT	1,500.00
CURRENT MONTH'S JAIL ASSESSMENT	



SHERIFF'S MONTHLY REPORT RICHLAND COUNTY MONTH OF MAY 2022

(PRESENTED AT THE JUNE 3, 2022 PUBLIC SAFETY MEETING)

ſ		2022	
	MAR	APR	MAY
TOTAL AMOUNT OF MONTHLY VOUCHERS SUBMITTED	\$33,673.48	\$30,344.23	\$11,010.57
NUMBER OF JAIL BOOKINGS	55	58	67
AVERAGE NUMBER OF INMATES HOUSED IN OUR COUNTY	26.78	27.24	30.59
TOTAL NUMBER OF INMATES HOUSED OUT OF COUNTY	0	0	0
MONTHLY COST OF HOUSING INMATES OUT OF COUNTY	\$0.00	\$0.00	\$0.00
MEDICAL COST OF INMATES HOUSED OUT OF COUNTY	\$0.00	\$0.00	\$0.00
MONTHLY COMPLAINTS	261	237	279
TRAFFIC CITATIONS ISSUED	61	78	61
TRAFFIC WARNINGS ISSUED	0	0	0
CIVIL PROCESS PAPERS SERVED	18	15	22
TRANSPORTS FOR THE MONTH	14	7	11
AVERAGE NUMBER ON ELECTRONIC MONITORING	3.00	4.00	5.00

Monthly Activity

Jail Activity:

529 calls for service 91 calls for EMS 119 calls for RCPD

Squad	Assigned	Deputy	Sq year	Vin#	January
Squad 1	Admin	Sheriff Porter	2021	1C6SRFGT6MN708092	1,360
Squad 21	Training	Training vehicle	2016	6G3NS5R21GL224245	141,212
Squad 2	Admin	Chief Dep Wallace	2018	1FM5K8AR8JGB69005	36,160
Squad 3	Admin	Lt. D. Kanable	2018	1FM5K8AR6JGB69004	37,934
Squad 4	K-9/Patrol	Deputy Czys & Rambo	2018	1FM5K8ARXJGB93287	38,536
Squad 5	Patrol/K-9 Backup	K-9 Backup/Casual	2016	1FM5K8AR2GGA77719	152,824
Squad 6	Investigator	Inv. Johnson	2018	1FM5K8AR1JGA84720	57,270
Squad 7	Patrol	Deputy Moe	2018	1FM5K8AR4JGC17213	107,145
Squad 8	Patrol	Deputy Ring	2018	1FM5K8AR1JGA84720	127,990
Squad 9	Patrol	Deputy Kinnison	2021	1FM5K8AB1MGB61433	1,057
Squad 10	Patrol	Deputy Sutton	2017	1FM5K8AR0HGC90332	130,702
Squad 11	Patrol	Backup	2017	1FM5K8AR2HGA70982	152,935
Squad 12	Patrol	Deputy Schildgen	2019	2C3CDXKTXKH600559	72,532
Van (13)	Transports	Jail	2019	2C4RDGBG8KR808426	18,796
Squad 14	Patrol	Deputy Graham	2020	1C4RDJFG6LC369759	16,554
Squad 15	Patrol	Deputy McCollough	2021	1FM5K8AB3MGB61434	1,319
Squad 16	Sgt/Patrol	Sgt. Herbers	2019	1FTEW1P49KKC42277	44,335
Squad 17	Sgt/Patrol	Sgt. Melby	2019	1FTEW1P47KKC42276	36,569
Squad 18	Patrol	Deputy Tucker	2020	1C4RDJFG2LC369757	39
Squad 19	Patrol	Sgt. Rupnow	2020	1C4RDJFG4LC369758	34,057
Squad 20	Patrol	Deputy Gerber	2020	1C4RDJFG2LC369760	32,760

February	March	April	May	June	July	August	September	October
2,146	3,300	4,196	5,832	6,907				
142,079	144,180	146,794	149,584	151,561				
36,813	37,459	38,120	39,192	39,915				
38,667	39,135	39,677	40,011	40,118				
38,981	39,500	40,065	41,039	41,725				
152,824	152,967	152,911	155,287	155,358				
58,383	59,658	61,138	62,023	63,891				
108,771	110,190	110,779	110,800	112,195				
130,920	134,000	137,505	141,216	142,965				
3,507	5,588	8,096	10,300	12,216				
132,239	133,866	135,331	137,891	138,952				
152,935	152,935	152,935	152,975	152,975				
74,871	76,758	79,004	82,267	83,271				
20,100	21,125	22,987	24,655	24,866				
17,768	19,030	19,554	20,096	20,312				
2,464	3,818	5,240	6,731	7,935				
46,240	47,521	49,148	50,713	51,900				
38,710	39,746	41,624	43,231	44,703				
21,950	24,108	26,910	28,813	30,223				
34,057	34,057	37,032	39,230	40,503				
35,095	36,517	38,814	41,609	43,563				

November December

Employee	Average Monthly wage	Wage cost Academy per month	May 13th-June 13th	June 13th-July 13th	July 13th-August 13th	August 13-September 13	September 13-October 13
Lieutenant	\$5,643.73		\$5,643.73	\$5,643.73	\$5,643.73	\$5 <i>,</i> 460.00	\$5,460.00
Benefits			\$1,563.50		\$1,563.50	\$1,563.50	
Current Road	\$4,748.00						
New Road	\$4,511	\$3,383.25		\$4,511	\$4,511	\$4,511	\$4,511
New Road					\$4,511	\$4,511	\$4,511
Current Jailer	\$3,987	\$3,987					
New Jailer	\$3,815			\$3,815	\$3,815	\$3,815	\$3,815
Savings				\$172	\$172	\$592.73	\$592.73
Savings			\$7,207.23	\$1,132.73	\$1,132.73		
					(\$4,769.77)	(\$5,481.77)	
Total Cost			\$7,207.23	\$8,511.96	\$3,742.19	(\$1,739.58)	(\$1,146.85)
Lt -new road di	f \$1,132.73		Not Filling Lieutenant	Not Filling Lieutenant Hire new road Hire New Jailer	Not Filling Lieutenant New Road Hire New Road New Jailer	Moe retired Sep 12th Fill Lieutenant Position New Road New Road New Jailer	All Positions filled
Jailer difference Road difference	e \$172			\$7,207.23	\$8,511.96		(\$1,739.58)

Lt. difference

	φ172				
ce	\$237	\$7,207.23	\$8,511.96	\$3,742.19	(\$1,739.58)
	\$183.73	\$172	\$172	\$172	592.73
		\$1,132.73	\$1,132.73	\$237	(\$1,146.85)
		\$8,511.96	\$9,816.69	\$183.73	
			\$1,563.50	\$4,334.92	
			\$4,511	\$4,511	
			\$3,742.19	\$1,563.50	
				(\$1,739.58)	

RICHLAND COUNTY

WISCONSIN

Public Safety Radio Proposal Evaluation Report

Project #:

May 13, 2022

Prepared By:

Mike Day



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1. RFP Summary

The County of Richland Wisconsin released their request for proposal (RFP) for a County-Wide Simulcast P25 Radio System and alternate considerations to replace the existing analog multi-site radio system. To that process the county received responses from two separate vendors to consider. Each vendor also provided alternative proposals for modifying the design to minimize tower site locations with coverage impacts on the requested countywide coverage area.

Proposals were provided by Baycom Incorporated and General Communications both offering a response to the primary request and various optional considerations. True North has categorized these proposals and believes the County has five (5) unique designs and financial understandings to consider for evaluation. All vendor proposals were offered as a direct purchased solution for the county of a standalone replacement system of a VHF simulcast conventional P25 radio system. Every proposals provided met the minimum criteria set forth in the RFP request for consideration and evaluation.

True North was tasked to provide a technical summary and like comparison of each proposal and work with the county's evaluation group to enhance their understanding of the proposals, address any questions, and concerns. Below are common points of understanding on key system design details and notes created by True North to provide additional context. This document was used in conjunction with various group meeting and discussions to form the County's understanding of the proposals provided.

2. RFP Response summaries

This section provides highlighted considerations from the received proposals from the proposer's experience, qualifications, quality of response, and financial viability.

2.1 Quality of Proposal (4)

Baycom	The RFP response format was followed by Baycom.	
Gencomm	The RFP response format was followed by Gencomm.	

2.2 Firm's Experience (4)

Baycom	Within Tab 3 of their response Baycom provided six (6) references of previous projects.
Gencomm	Within Tab 3 of their response Gencomm provided five (5) references of previous projects.

2.3 DEMONSTRATION/PROOF OF PROPOSER FINANCIAL STABILITY (4)

Baycom	Within Tab 4 of their response was found a letter certifying no intention or current bankruptcy filings and confirming financial stability.	
Gencomm	Within Tab 4 of their response was found a signed letter certifying no intention or current bankruptcy filings.	Also provided was a signed letter from First Business Bank stating details of a credit relationship.

3. System Details

This section provides highlighted considerations and comparisons of the technology and technical design merits to be understood in proposals.

3.1 Main Voice System (3)

System Description and Overview:

Richland County public safety agencies currently rely on analog system channels for Law and for Fire operations. The RFP requested a primary response with site designs of four (4) operational channels to give the County additional capacity within the system design. These primary designs also move the analog radio operation to digital (P25) operation. This is key to meeting the coverage request with fewer tower sites as digital radio communications tends to perform better than narrowband analog. Meeting the requested standards required site designs with receive only support to help with portable coverage.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Four (4) Channel VHF (P25) Digital Conventional Simulcast System	Three (3) Channel VHF (P25) Digital Conventional Simulcast System	Four (4) Channel VHF (P25) Digital Conventional Simulcast System	Four (4) Channel VHF (P25) Digital Conventional Simulcast System	Four (4) Channel VHF (P25) Digital Conventional Simulcast System
Thirteen (13) Site Design	Eight (8) Site Design	Ten (10) Site Design	Nine (9) Site Design	Six (6) Site Design
Seven (7) Site transmit/receive operation	Seven (7) Site transmit/receive operation	Nine (9) Site transmit/receive operation	Nine (9) Site transmit/receive operation	Six (6) Site transmit/receive operation
Six (6) Site receive operation		One (1) Site receive operation		
Motorola GTR8000 Repeaters	Motorola GTR8000 Repeaters	Tait TB9400 P25 Repeaters	Tait TB9400 P25 Repeaters	Tait TB9400 P25 Repeaters
Antenna combiners and multicoupler system	Antenna combiners and multicoupler system	Comprod antenna combiner and multicoupler system	Comprod antenna combiner and multicoupler system	Comprod antenna combiner and multicoupler system

System Description and Overview:

To assist in understanding operational channel expansion decisions the RFP also provided a request for adding a fifth channel to the system. One vendor response was received and using budgetary math puts the cost of adding a channel at approximately \$25K per site.

	1			
Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Two (2) Spectracom SecureSync GPS receivers provide redundancy at all sites.	Two (2) Spectracom SecureSync GPS receivers provide redundancy at all sites.	Spectracom SecureSync GPS receivers provide redundancy at all sites.	Spectracom SecureSync GPS receivers provide redundancy at all sites.	Spectracom SecureSync GPS receivers provide redundancy at all sites.
Eltek 48Vdc Power System 92 Ah battery string	Eltek 48Vdc Power System 92 Ah battery string	Eltek Unity DC Power System	Eltek Unity DC Power System	Eltek Unity DC Power System
Did not provide an understanding of adding a 5 th channel to the voice system design.	Did not provide an understanding of adding a 5 th channel to the voice system design.	Proposal included an understanding of adding a 5 th channel to the voice system design.	Proposal included an understanding of adding a 5 th channel to the voice system design.	Proposal included an understanding of adding a 5 th channel to the voice system design.
System channel expansion was identified as possible with no costs provided.	System channel expansion was identified as possible with no costs provided.	System channel expansion was identified as possible and costs provided.	System channel expansion was identified as possible and costs provided.	System channel expansion was identified as possible and costs provided.

Sites:

Below is provide a brief understanding and comparison of the tower sites selected in these various designs. Highlighted in "blue" are existing County sites used in the current system design and highlighted in "Green" are locations vendors have recommend the County construct a tower site. Tower sites can require a considerable investment and evaluations of potential needs have been standardized by TNCG using like factors applied equally based on site components.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Richland Center – <mark>lease</mark> – 320'				
Ash Ridge – State – 300'	Ash Ridge – State – 300'	Gotham – <mark>Greenfield</mark> – 300'	Gotham – <mark>Greenfield</mark> – 300'	Gotham – <mark>Greenfield</mark> – 300'
Bunker Hill – <mark>lease</mark> – 150'	Bunker Hill – <mark>lease</mark> – 150'	Eagle – <mark>lease</mark> – 220'	Eagle – <mark>lease</mark> – 220'	Eagle – <mark>lease</mark> – 220'
M3 SW – lease – 230'	M3 SW – lease – 230'	Westport – lease – 120'	Westport – lease – 120'	Westport – lease – 120'
M3 E – lease – 300'	M3 E – lease – 300'	Ash Ridge – State – 300′	Ash Ridge – State – 300'	Ash Ridge – State – 300'
SW – <mark>Greenfield</mark> -200'	SW – <mark>Greenfield</mark> – 200'	Bunker Hill – <mark>lease</mark> – 150'	Bunker Hill – <mark>lease</mark> – 150'	Bunker Hill – <mark>lease</mark> – 150'
SE – <mark>Greenfield</mark> – 350'	SE – <mark>Greenfield</mark> – 350'	Ithica – lease – 300'	Ithica – lease – 300'	
Sylvan – <mark>lease</mark> – 180'	Cloud1 N – lease – 300'	Blue River – lease – 230'	Blue River – lease – 230'	
M3 EN – lease – 300'		Sylvan – <mark>lease</mark> – 180'	Sylvan – <mark>lease</mark> – 180'	
La Farge – lease – 300'		Rockbridge – lease – 300'		
WI Power – lease – 300'				
Cloud1 W – lease – 300'				
Cloud1 N – lease – 300'				
	Cloud1 N = Receive only	Rockbridge = Receive only	TX/RX = All	TX/RX = All

System Backhaul:

The radio system operates instantaneously using multiple sites because of the support of the backhaul network. The RFP request was to provide a highly reliable microwave network to link sites. Reliability is achieved in the design where sites are configured in a ring design and have the ability to link up to multiple sites. Spurs are less reliable as the link a single site to another but can provide some level of redundancy in the equipment design. As these are IP networks factors of capacity and security play key roles as well.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Aviat's Eclipse with IRU600	Aviat's Eclipse with IRU600	Microwave Networks	Microwave Networks	Microwave Networks
v4 indoor mounted radios.	v4 indoor mounted radios.	Proteus MX radios	Proteus MX radios	Proteus MX radios
Nine (9) hops creating the	Six (6) hops creating the ring	Seven (7) hops creating the	Seven (7) hops creating the	Five (5) hops creating the
ring design which provides redundancy.	design which provides redundancy.	ring design which provides redundancy.	ring design which provides redundancy.	ring design which provides redundancy.
Four (4) spurs off the ring with hot standby	Two (2) spurs off the ring with hot standby	Three (3) spurs off the ring with hot standby	Two (2) spurs off the ring with hot standby	One (1) spurs off the ring with hot standby
One (1) spur off the ring to service PSAP connectivity.	One (1) spur off the ring to service PSAP connectivity.	One (1) spur off the ring to service PSAP connectivity.	One (1) spur off the ring to service PSAP connectivity.	One (1) spur off the ring to service PSAP connectivity.
50 Mbps network capacity	50 Mbps network capacity	155 Mbps network capacity	155 Mbps network capacity	155 Mbps network capacity
Five 9s reliability				
6 & 11 GHz frequency				
Juniper SRX345 Gateway	Juniper SRX345 Gateway	Cisco 4000 Integrated Service	Cisco 4000 Integrated Service	Cisco 4000 Integrated Service
Routers	Routers	Routers	Routers	Routers
HP ARUBA 2930 Lan Switch	HP ARUBA 2930 Lan Switch			

Paging Designs:

The RFP requested a design to support pager operation coverage meeting a countywide indoor (8dB) requirement. As the pager device is a slightly less capable device than the portable radio these designs tend to rely on more transmit sites to provide the analog radio coverage.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
One (1) Channel VHF Analog	One (1) Channel VHF Analog	One (1) Channel VHF Analog	One (1) Channel VHF Analog	One (1) Channel VHF Analog
Conventional Simulcast	Conventional Simulcast	Conventional Simulcast	Conventional Simulcast	Conventional Simulcast
System	System	System	System	System
Thirteen (13) Site Design	Eight (8) Site Design	Ten (10) Site Design	Nine (9) Site Design	Six (6) Site Design
Thirteen (13) Site transmit	Eight (8) Site transmit	Ten (10) Site transmit	Nine (9) Site transmit	Six (6) Site transmit
operation	operation	operation	operation	operation
Paging Coverage – Indoors	Paging Coverage – Indoors	Paging Coverage – Indoors =	Paging Coverage – Indoors =	Paging Coverage – Indoors =
meets 95% coverage request	meets 95% coverage request	95.2%	95.2%	91.3%

Console Designs:

Replacement console systems from both vendors will support main operation of the radio system channels with a network connection backed up by a control station in the event of failure. Consoles support the additional interfacing of other radio equipment using networked interface devices or modules that wireline connect to the radio equipment allowing remote location anywhere on the radio network.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Two (2) Motorola MCC7500 series dispatch consoles	Two (2) Motorola MCC7500 series dispatch consoles	Two (2) Mindshare MAXplus series dispatch consoles	Two (2) Mindshare MAXplus series dispatch consoles	Two (2) Mindshare MAXplus series dispatch consoles
HP Z2 G4 Workstation PC	HP Z2 G4 Workstation PC	Integrated PC and audio	Integrated PC and audio	Integrated PC and audio
with Audio Interface Module	with Audio Interface Module	module	module	module
24" Touch-screen Monitor	24" Touch-screen Monitor	24" Touch-screen Monitor	24" Touch-screen Monitor	24" Touch-screen Monitor
Dual headset, mic,	Dual headset, mic,	Dual headset, mic,	Dual headset, mic,	Dual headset, mic,
footswitch, dual speakers	footswitch, dual speakers	footswitch, dual speakers	footswitch, dual speakers	footswitch, dual speakers
Network operation of system	Network operation of system	Network operation of system	Network operation of system	Network operation of system
channels including Paging	channels including Paging	channels including Paging	channels including Paging	channels including Paging
and Highway via microwave	and Highway via microwave	and Highway via microwave	and Highway via microwave	and Highway via microwave
network link.	network link.	network link and DFSI.	network link and DFSI.	network link and DFSI.
Two (2) Motorola MCG8000 control station interface allowing 16 inputs.	Two (2) Motorola MCG8000 control station interface allowing 16 inputs.	Control station integration is accomplished using the Mindshare Radio Interface one-to-one via network	Control station integration is accomplished using the Mindshare Radio Interface one-to-one via network	Control station integration is accomplished using the Mindshare Radio Interface one-to-one via network
Two (2) Motorola APX	Two (2) Motorola APX	Two (2) Kenwood NX-5700	Two (2) Kenwood NX-5700	Two (2) Kenwood NX-5700
consolettes with Motorola	consolettes with Motorola	model radios with remote	model radios with remote	model radios with remote
MCD5000 remotes for	MCD5000 remotes for	control head operation for	control head operation for	control head operation for
console position backup.	console position backup.	console position backup.	console position backup.	console position backup.

Secondary Radio Equipment:

Interoperability radio equipment is requested to support the key goals of dispatch operations being able to communicate on additional channels and also any needed system subscriber support when needing to support from other agencies. The RFP made request for a secondary design of a public works channel and replacement equipment for existing console radio channels.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Highway = Two (2) Site VHF Analog Conventional Simulcast System	Highway = Two (2) Site VHF Analog Conventional Simulcast System	Highway = Three (3) Site VHF Analog Conventional Simulcast System	Highway = Three (3) Site VHF Analog Conventional Simulcast System	Highway = Three (3) Site VHF Analog Conventional Simulcast System
Sites = Richland Center, Ash Ridge	Sites = Richland Center, Ash Ridge	Sites = Eagle, Richland Center, Ash Ridge	Sites = Eagle, Richland Center, Ash Ridge	Sites = Eagle, Richland Center, Ash Ridge
Intended to reuse existing equipment, but not planned?	Intended to reuse existing equipment, but not planned?	Marc1, IFERN, & Point to Point stations using TB9400 at Richland Center site.	Marc1, IFERN, & Point to Point stations using TB9400 at Richland Center site.	Marc1, IFERN, & Point to Point stations using TB9400 at Richland Center site.
Intended to reuse existing equipment, but not planned?	Intended to reuse existing equipment, but not planned?	WISCOM control station at Courthouse.	WISCOM control station at Courthouse.	WISCOM control station at Courthouse.

Alarm Notification:

Various equipment and alarm points will be monitored using a central system and delivered to the County's dispatch, employees, or radio vendor to ensure a response to any need. Both vendors use a similar approach of dedicated equipment that takes inputs, provides outputs and can capture device messages via network connectivity. These system will send email notifications the County and radio vendor can react upon.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
Davicom Cortex 320 and Kiwi Syslog Server	Davicom Cortex 320 and Kiwi Syslog Server	Simple Performance Alarm Reporting and Control System (SPARCS) & SiteBoss 530	Simple Performance Alarm Reporting and Control System (SPARCS) & SiteBoss 530	Simple Performance Alarm Reporting and Control System (SPARCS) & SiteBoss 530
Computer Monitor, email, and SMS alarm message delivery.	Computer Monitor, email, and SMS alarm message delivery.	Computer Monitor, email, and SMS alarm message delivery.	Computer Monitor, email, and SMS alarm message delivery.	Computer Monitor, email, and SMS alarm message delivery.
SNMP trap and contact alarm collection	SNMP trap and contact alarm collection	SNMP trap and contact alarm collection	SNMP trap and contact alarm collection	SNMP trap and contact alarm collection

Features:

Most of features and functions of these replacement systems that will impact the users come from a switch to the P25 (digital) standard. Digital operation will give the County a level of security in the voice communications, but encryption will take that to a completely secure level. This along with emergency button activation are two of the key system features. Both proposals have these similar feature because the systems adhere to the P25 standard.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2
AES Encryption was included with the system.				
Encryption loading would need to be done using a key loader device as key storage was not offered.	Encryption loading would need to be done using a key loader device as key storage was not offered.	Encryption loading would need to be done using a key loader device as key storage was not offered.	Encryption loading would need to be done using a key loader device as key storage was not offered.	Encryption loading would need to be done using a key loader device as key storage was not offered.
Over the air reprogramming was not offered.	Over the air reprogramming was not offered.	Over the air reprogramming was offered at an additional cost for up to 500 "Tait" devices.	Over the air reprogramming was offered at an additional cost for up to 500 "Tait" devices.	Over the air reprogramming was offered at an additional cost for up to 500 "Tait" devices.
Smartphone Application feature was not offered.	Smartphone Application feature was not offered.	Smartphone Application feature was offered at an additional cost using ES Chat.	Smartphone Application feature was offered at an additional cost using ES Chat.	Smartphone Application feature was offered at an additional cost using ES Chat.
Console Priority using network connectivity	Console Priority using network connectivity	Console Priority using network connectivity	Console Priority using network connectivity	Console Priority using network connectivity
Emergency subscriber encoding				

Coverage Area:

Key coverage maps have been included in the appendix section of this document. True North chose to focus these included maps on the indoor (residential) portable radio coverage levels as these are a key standard for Richland County. Maps of paging coverage are also included.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2		
Portable Outdoors meets 95%	Portable Outdoors meets 95%	Portable Outdoors – 99.6%	Portable Outdoors – 99.1%	Portable Outdoors – 98.5%		
Portable Residential meets 95%	Portable Residential – 86%	Portable Residential – 95.6%	Portable Residential – 94.5%	Portable Residential – 90.8%		
Portable Industrial meets 95%	Portable Industrial meets 95%	Portable Industrial – 99.1%	Portable Industrial – 99.1%	Portable Industrial – 99.1%		
		Analog Portable downgrade – Portable Outdoors – 97.7%	Analog Portable downgrade – Portable Outdoors – 97.4%	Analog Portable downgrade – Portable Outdoors – 95.1%		
		Analog Portable downgrade – Portable Residential – 88.7%	Analog Portable downgrade – Portable Residential – 86.6%	Analog Portable downgrade – Portable Residential – 81.1%		
Paging Residential meets 95%	Paging Residential – 80%	Paging Residential -	Paging Residential -	Paging Residential -		

3.9 Subscriber Units (2)

	Baycom	Gemcomm	
Multiband P25 Mobile – LAW (VHF – 700/800 MHz) = 1	Motorola APX8500	Harris XL-200M	A multiband radio provides user access to other bands. WISCOM may move to 700 MHz.
High-tier P25 Mobile – LAW (VHF) = 30	Motorola APX6500	Harris XL-185M	The main difference of the high tiered model request can be the level of encryption/features
Mid-tier P25 Mobile – FIRE/EMS (VHF) = 90	Motorola APX4500	Tait TM9400	Mid tiered models are considered the lowest public safety recommended device.
Low-tier P25 Mobile – PUBLIC WORKS (VHF) = 55	Motorola APX1500	Tait TM9400	Low tiered models are mostly designed for public works, but not needed in analog operation.
Multiband P25 Portable – LAW (VHF – 700/800 MHz) = 1	Motorola APX8000	Harris XL-200P	A multiband radio provides user access to other bands. WISCOM may move to 700 MHz.
High-tier P25 Portable – LAW (VHF) = 55	Motorola APX6000Li	Harris XL-185P	The main difference of the high tiered model request can be the level of encryption capability
Mid-tier P25 Mobile – FIRE/EMS (VHF) = 160	Motorola APX6000Li	Harris XL-185P	Mid tiered models are considered the lowest public safety recommended device.
Low-tier P25 Mobile – PUBLIC WORKS (VHF) = 20	Motorola APX6000Li	Tait TP9400	Low tiered models are mostly designed for public works, but not needed in analog operation.
High-tier P25 Control Station VHF with Antenna System = 4	Motorola APX6500	Harris XL-185M	Control stations are commonly mobile radios with a power supply for building operation.
Mid-tier P25 Control Station VHF with Antenna System = 10	Motorola APX4500	Tait TM9400	Control stations are commonly mobile radios with a power supply for building operation.
Low-tier P25 Control Station VHF with Antenna System = 5	Motorola APX1500	Tait TM9400	Control stations are commonly mobile radios with a power supply for building operation.

4. Support Systems

This section provides highlighted considerations of the proposer's identified install and support offers provided in each proposal.

Baycom	Provided in Tab 8 of their response was a detailed project timeline indicating a 20-month project.	
Gencomm	Provided in Tab 8 of their response was a detailed project timeline indicating a 15-month project.	

4.1 Implementation Plan/Schedule (1)

4.2 Maintenance/ On-going Financial Support (1)

Baycom	Ongoing system support was provided showing yearly pricing for extended maintenance through year 10. No software upgrade support was identified.	Ongoing equipment support was provided showing yearly pricing starting in year four (4) after equipment warranty completed.
Gencomm	Ongoing system support was provided showing yearly pricing for extended maintenance through year 10. Software upgrade support was identified as needed starting year four (4) and each year beyond.	Ongoing equipment support was provided showing yearly pricing starting in year four (4) after equipment warranty completed.

Baycom Pri	Baycom Alt	Gencomm Pri	Gemcomm Alt #1	Gencomm Alt #2				
Baycom provided a design challenge reaching the 300' M3 Hilbert tower in Viola from the State's Ash Ridge tower site with a microwave link.		Gencomm provided a design challenge reaching the 300' M3 Hilbert tower in Viola from the State's Ash Ridge tower site with a microwave link.						
The areas of Cazenovia and Viola are not well served, especially outside of Richland County.	The areas of Cazenovia and Viola are not poorly served, especially outside of Richland County.	The areas of Cazenovia and Viola are not well served, especially outside of Richland County.	The areas of Cazenovia and Viola are not well served, especially outside of Richland County.	The areas of Cazenovia and Viola are very poorly served, especially outside of Richland County.				
Repeaters can be operated in analog mode with reduced coverage.	rs can be operated in Repeaters can be operated in Analog mode with reduced analog mode with reduced a		Repeaters can be operated in analog mode with reduced coverage.	in Repeaters can be operated i analog mode with reduced coverage.				
Radio recording appears to reuse existing equipment ports and potential abandoned ports.	Radio recording appears to reuse existing equipment ports and potential abandoned ports.							
No cost understandings of adding a system channel were provided. TNCG estimates this to be a \$20K per site update plus.	No cost understandings of adding a system channel were provided. TNCG estimates this to be a \$20K per site update plus.							
Jail access controls and intercom systems need separated from console. Jail access controls and intercom systems need separated from console.		Jail access controls and intercom systems need separated from console.	Jail access controls and intercom systems need separated from console.	Jail access controls and intercom systems need separated from console.				

6. RFP Pricing

Proposal pricing is based on the design provided from each vendor and all costs associated with the design should be understood in evaluating these responses. The goal of this evaluation table is to provide the County decision makers a summary understanding of each proposal including all aspects of a project and the identified 10 – year operational support. Including all these aspects help ensure decisions are not solely based on low upfront costs or other factors that may be flipped in the system lifecycle.

This response comparison only includes fixed pricing for the system, subscriber, and extended maintenance items provided in the vendors responses. Items for "Civil Work" were provided by True North Consulting and are bases on standard formulas that were applied equally to the radio vendor's designs and identified sites. Civil work would be done using a separate vendor contract obtained in a request released from professional services design work with a civil engineering firm hired by Richland County.

		13-Site	8 -Site	10-Site	9-Site	6-Site
Project Categories	Considerations	Baycom Pri	Baycom Alt	Gencomm Pri	Gencomm Alt #1	Gencomm Alt #2
System Total	Costs provided by the vendor aligned with request	\$4,936,143.39	\$2,841,595.34	\$2,967,524.35	\$2,799,524.70	\$2,108,296.68
Additions Total	Items listed seperately, but True North believes are needed			\$68,750.00	\$62,500.00	\$43,750.00
Alternates Total	Items listed seperately the County may want to consider	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
System Discount	Any discount provided by the vendor - (terms may apply)	-\$509,017.91	-\$380,601.45	-\$138,928.00	-\$124,757.00	-\$91,197.00
Radio System Total		\$4,427,125.48	\$2,460,993.89	\$2,897,346.35	\$2,737,267.70	\$2,060,849.
Subscriber Total	Based on projected County count	\$2,016,021.76	\$2,016,021.76	\$972,019.95	\$972,019.95	\$972,019.95
Subscriber Contract Total		\$2,016,021.76	\$2,016,021.76	\$972,019.95	\$972,019.95	\$972,019.95
Proposal Total	Once finalized, this total is considered the radio vendor contract	\$6,443,147.23	\$4,477,015.65	\$3,869,366.30	\$3,709,287.64	\$3,032,869.
Civil Evaluation	Evaluation estimate provided by True North based on common factors for operating the system over a ten-year period	\$4,522,800.00	\$2,835,000.00	\$3,343,200.00	\$3,004,200.00	\$1,998,600.00
Civil Evaluation Total	Would not be considered the civil budget	\$4,522,800.00	\$2,835,000.00	\$3,343,200.00	\$3,004,200.00	\$1,998,600.
RFP Totals plus Civils (Project Evaluation)	System cost plus civils evaluation	\$10,965,947.23	\$7,312,015.65	\$7,212,566.30	\$6,713,487.64	\$5,031,469.63
System Support	Years 2 - 10 (yearly contract)	\$1,232,827.85	\$825,041.33	\$999,453.37	\$943,713.05	\$698,086.66
Subscriber Support	Years 4 -10 based on subscriber count	\$129,654.00	\$129,654.00	\$129,654.00	\$129,654.00	\$129,654.00
10-Year Maintenance Proposals	System support costs provided by radio vendor for ten year period	\$1,362,481.85	\$954,695.33	\$1,129,107.37	\$1,073,367.05	\$827,740.
System plus Maintenance Evaluation	Consider the cost for implementing and running the system over a f	\$12,328,429.08	\$8,266,710.97	\$8,341,673.67	\$7,786,854.69	\$5,859,210.3
	the system over a 10-year period					
		13-Site System (4 Chan)	8-Site System (3 Chan)	10-Site System (4 Chan)	9-Site System (4 Chan)	6-Site System (4 Cha
	Not included items: Land acqusition costs, utility costs, civil maintenance					

7. Project Budget

This project budget table moves away from the summary understandings of evaluating the system support over a 10-year window and focuses on the needs to implement a system and any borrowing timelines. Within Richland County the project budget is playing a key role in the discussion processes and needs to be tracked. Most radio system project budgets begin with some established costs and understandings as well as some estimations for unknowns. As the project moves through processes recommendations and unknowns turn into contracted costs.

This project budget was calculated based on an average of the three (3) middle proposal costs and should be understood as such.

		services, extenuating regulator fees.			
Project Budget	\$8,315,250.00	Items not include: Land acqusition, permit fees, utility	07/2022 - 06/2024		
Jail Door Control/CCTV Update	\$350,000.00				
Init Deer Cantral/COTT/ Under	\$250.000.00				
Civil Contract Contigency	\$506,250.00	Change orders can be folded into milestone payments	07/2022 - 07/2023	As Needed	
Radio Contract Contigency	\$444,000.00	Change orders can be folded into milestone payments	12/2021 - 10/2023	As Needed	
Radio Contract Continency	\$444,000,00	Change orders can be folded into milestone comparts	12/2021 10/2022	As Noodod	
Project Contigency Recommendations	\$950,250.00	DDR for the radio vendor and during implemtentation with the civil vendor.			
		Contigency money support is likely identified at the completion of			
		15% Final Acceptance	January 1, 2024	\$303,750.00	
Civil Contrator Services	\$687,500.00	25% Punchout Inspections	November 1, 2023	\$506,250.00	
		25% Equipment Delivery	August 1, 2023	\$506,250.00	
Civil Contractor Equipment	\$1,337,500.00	25% Site Work Begun	May 1, 2023	\$506,250.00	
		10% Down Payment	March 1, 2023	\$202,500.00	
Civil Vendor Totals	\$2,025,000.00	A single project contract will be signed with the County and adjustments made using change orders.			
Civil Engineering Services	\$300,000.00	ending with civil vendor competion	10/2022 - 01/2024	Monthly	
		Invoicing is spuratic beginning with DDR acceptance and			
Project Consulting Services	\$250,000.00	Invoicing is monthly beginning with radio vendor contract and ending with project competion	07/2022 - 04/2024	Monthly	
Proffessional ServicesTotals	\$550,000.00	A single project contract will be signed with the County from each vendor or a single contract for both.			
Subscriber Equipment	\$1,440,000.00	20% Hill Acceptance	April 1, 2024		County budget = \$700
Radio System Services	\$1,050,000.00	30% System Acceptance 20% Final Acceptance	December 1, 2023 April 1, 2024	\$1,332,000.00 \$888,000.00	
9 Sites with 5 channels plus Highway		25% Equipment Delivery	August 1, 2023	\$1,110,000.00	4 channels saves \$250
Radio System Infrastructure	\$1,950,000.00	10% DDR Acceptance	November 1, 2022	\$444,000.00	
		15% Down Payment	July 1, 2022	\$666,000.00	

8. Scoring Details

The following evaluation criteria was applied by Richland County as a basis to score each proposal against the request for proposal.

Install and Support (15 Points) - This evaluates pre- and post-installation support and service and local presence. Site visits and reference checks may be utilized for this evaluation. Proposers will be evaluated on their ability to execute the project on time and without interruption to Public Safety operations. Support after installation will be a key factor, as the Proposer will be expected to enter in the primary role of providing maintenance.

Features and Benefits (20 points) - Evaluations will consider the depth of system and subscriber equipment features and benefits included in the proposal. Proposers will be evaluated based on features and benefits offered. Proposal will be measured using the design age of the proposed system and equipment against the frequency of updating the system.

Technical Design Merit (20 points) - The technology evaluation shall use criteria such as compliance to standards, development and execution environment and footprint, application architecture, extensibility, scalability, integration, and system coverage performance. A review of the submitted proposal and overview design provided as a part of submittal will be key.

Proposer's Experience, Qualifications, Quality of Response (15 points) - Proposals will be evaluated on the Proposer's track record in fielding similar P25 simulcast systems, the Proposer's financial capabilities, and the Proposer following the required submittal proposal response, thoroughness, clarity, conciseness, and organization.

System and Operational Cost (20 points) - Proposals will be evaluated on system costs weighted against the equipment and services proposed.

Subscriber Equipment Cost - (10 points) - Proposals will be evaluated on subscriber costs weighted against the features and functions of the devices proposed.

The following scoring chart summarizes the evaluation process of these proposals against the RFP request issued in Richland County. Points are awarded or subtracted for items under each category when proposals items are considered against the request and public safety standards. This chart serves to support Richland County in understanding the comprehensiveness of each response.

	Richland County Radio System - Proposal Scoring											
				BAYCOM PRI	BAYCOM ALT		GENCOMM PRI		GENCOMM ALT #1		GENCOMM ALT #2	
	DESCRIPTION	Max Pts	Score	Note	Score	Note	Score	Note	Score	Note	Score	Note
	1. INSTALL/SUPPORT -	15	11	No Software	11	No Software	12	Software provided	12	Software provided	12	Software provided
	2. FEATURES AND BENEFITS -	20	16	Missing Interop	14	Missing channel and Interop	18	Complete plus Interop	16	Complete plus Interop	14	Matches
	3. TECHNICAL DESIGN MERIT	20	18	Design comprehensive	14	Design solid	13	Design solid	13	Design solid	10	Design weak
	4. PROPOSER'S EXPERIENCE, QUALIFICATIONS, QUALITY OF RESPONSE	15	13	Good	13	Good	12	Good	12	Good	12	Good
	5. SYSTEM AND OPERATIONAL COST	20	8	Lower due to outside of budget	16	Lower due to less equipment	17	Slightly above budget	18	Matches budget	14	Lower due to less equipment
	6. SUBSCRIBER EQUIPMENT COST	10	10	Full score from County	10	Full score from County	10	Full score from County	10	Full score from County	10	Full score from County
	TOTAL		76		78		82		81		72	

9. TNCG Recommendations

Proposal responses received by Richland County in this RFP process have confirmed the challenges of creating the public safety grade radio system in the county. In reviewing the provided responses one can clearly identify the challenge of providing a public safety coverage footprint and capturing key communities within various designs. Balancing that overall coverage footprint while best supporting border communities' coverage is a detail to be a point of focus within any potential project and the detailed design process. TNCG believes within these responses is the understanding that Richland County can acquire a level of system coverage that greatly expands today's support but may not quite meet 95% in-building threshold. This level would likely meet a 90% threshold and with well-designed sites can cover population centers and still blanket the county. True North recommends Richland County anticipates the number of system sites to support this design criteria be set at nine (9) for negotiating a vendors support and project budget from these proposals. This criteria can best set the project in motion in establishing a system vendor contract with a good overall budget understanding that should remain solid throughout the project.

Tower site location in any radio system project begin as the greatest unknown factor to potentially impact the project budget until those needs have been identified and agreed upon. Richland County's challenge in this area is critical to meeting the coverage goals described above. The County faces challenges on the availability of existing tower sites to use as well as the high amount of terrain level variance that is the lay of the land. In reviewing all proposals TNCG believes the County will need to support likely two (2) greenfield sites as a minimum to best meet coverage goals and network connectivity using microwave. Both vendors agree for the need of a site in the southeast corner and during the evaluation process focus on community coverage in the northwest corner likely uncovered an additional need. Any additional needs for greenfield sites would likely be balanced with saving on RF sites. True North has reviewed the civil aspects of these proposed system as a separate component to the radio project to be supported by the radio system vendor. This keeps it under the County's control to adjust and best support bidding processes for completing needed work. Given the site challenges in Richland County it will be vital that the radio vendor re-affirms their understanding to support the detailed design and its engineering processes. True North recommends a focus on discussion during contract negotiations be placed on this needed support.

In consideration of Richland County's channel expansion and other optional offers provided in request responses, True North believes the County should take a conservative approach. Supporting the development of two (2) additional system channels is recommended and should give the County reliable expansion throughout the systems years of service. The recommended approach would be to establish dedicated channels for Law, Fire, EMS, and identify the additional system resource as a tactical channel to be shared by all agencies as needed.

Finally, multiple discussions and investigations of the County's response agencies subscriber equipment have led True North to recommend this need be supported separately from the system purchase. Within these agencies were identified varieties of subscriber model equipment and manufactures with some likely supporting system design changes. Project timelines and other financial mechanisms would best support the County taking advantage of subscriber equipment not warranted for replacement. True North has removed the subscriber equipment aspect in conducting this system evaluation.

This project budget table provides an evaluation of the proposal responses excluding subscriber equipment and gives a greater understanding of the support needed to implement and operate any of these designs.

		13-Site	8 -Site	10-Site	9-Site	6-Site
Project Categories	Considerations	Baycom Pri	Baycom Alt	Gencomm Pri	Gencomm Alt #1	Gencomm Alt #2
System Total	Costs provided by the vendor aligned with request	\$4,936,143.39	\$2,841,595.34	\$2,967,524.35	\$2,799,524.70	\$2,108,296.68
Additions Total	Items listed seperately, but True North believes are needed	\$0.00	\$0.00	\$68,750.00	\$62,500.00	\$43,750.00
Alternates Total	Items listed seperately the County may want to consider	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
System Discount	Any discount provided by the vendor - (terms may apply)	-\$509,017.91	-\$380,601.45	-\$138,928.00	-\$124,757.00	-\$91,197.00
Proposal Total	Once finalized, this total is considered the radio vendor contract	\$4,427,125.48	\$2,460,993.89	\$2,897,346.35	\$2,737,267.70	\$2,060,849.68
Civil Evaluation	Evaluation estimate provided by True North based on common factors for operating the system over a ten-year period	\$4,522,800.00	\$2,835,000.00	\$3,343,200.00	\$3,004,200.00	\$1,998,600.00
Civil Evaluation Total	Would not be considered the civil budget	\$4,522,800.00	\$2,835,000.00	\$3,343,200.00	\$3,004,200.00	\$1,998,600.00
RFP Totals plus Civils	System cost plus civils evaluation	\$8,949,925.48	\$5,295,993.89	\$6,240,546.35	\$5,741,467.70	\$4,059,449.68
System Support	Years 2 - 10 (yearly contract)	\$1,232,827.85	\$825,041.33	\$999,453.37	\$943,713.05	\$698,086.66
10-Year Maintenance Proposals	System support costs provided by radio vendor for ten year period	\$1,232,827.85	\$825,041.33	\$999,453.37	\$943,713.05	\$698,086.66
System plus Maintenance Evaluation	Considered the cost for implementing and running the system. (10-year period)	\$10,182,753.32	\$6,121,035.22	\$7,239,999.72	\$6,685,180.74	\$4,757,536.
		13-Site System (4 Chan)	8-Site System (3 Chan)	10-Site System (4 Chan)	9-Site System (4 Chan)	6-Site System (4 Ch
	Not included items: Land acqusition costs, utility costs, civil maintenance support, insurance, zoning or regulatory fees.					

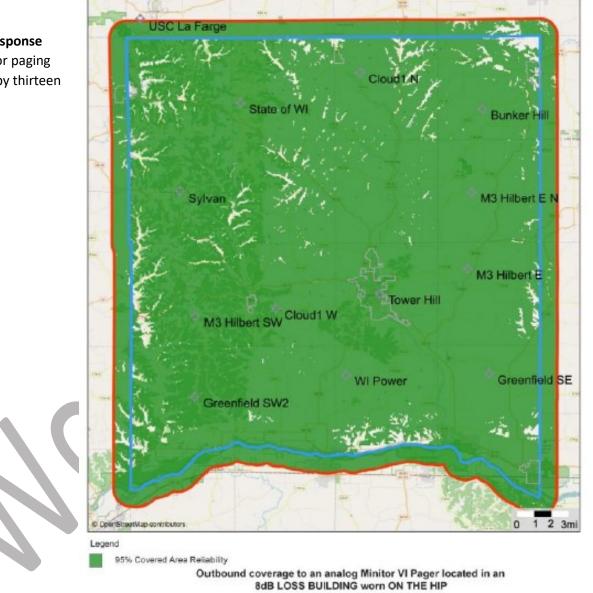
Given these understandings and recommendations, True North believes the County has received adequate response and follow-up detail to identify a system vendor and negotiate a contract. Scoring process were followed to evaluate the above options against the Richland County RFP and considering the findings and recommendations of this process.

True North finds both vendors capable of delivering an adequate proposal meeting the County's needs and supporting a project. TNCG would recommend Richland County move to use the scoring process to identify the vendor of choice to make the first attempt for reaching an agreement.

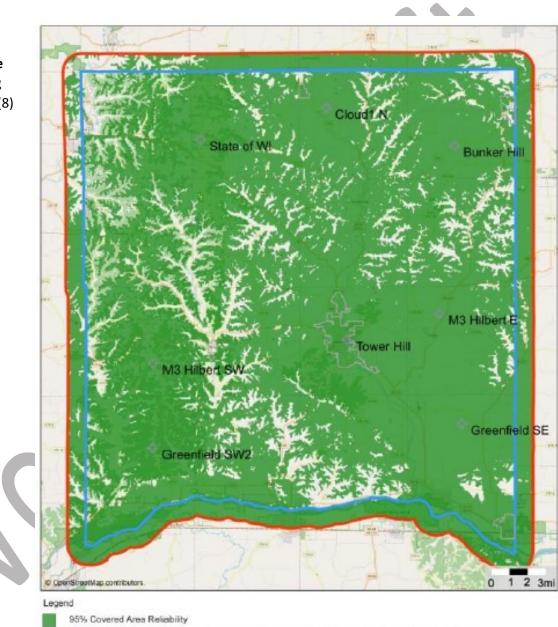
10. Appendix

This section provides coverage maps pulled from proposer's response giving a comparison of matching levels. Additional maps can be found in the responses.

Baycom Primary Response Map indicates indoor paging coverage provided by thirteen (13) site design.



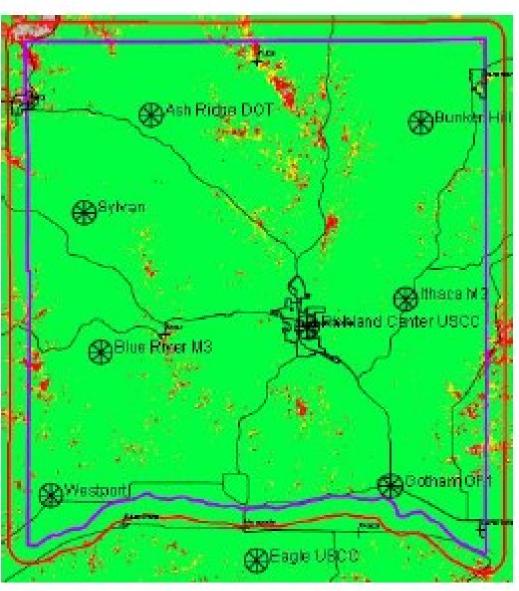
Baycom Alternate Response Map indicates indoor paging coverage provided by eight (8) site design.



Outbound coverage to an analog Minitor VI Pager located in an 8dB LOSS BUILDING worn ON THE HIP Gencomm Primary & Alternate #1 Response

Map indicates indoor paging coverage provided by nine (9) site design.

9-Site Paging Indoors - 95.2%

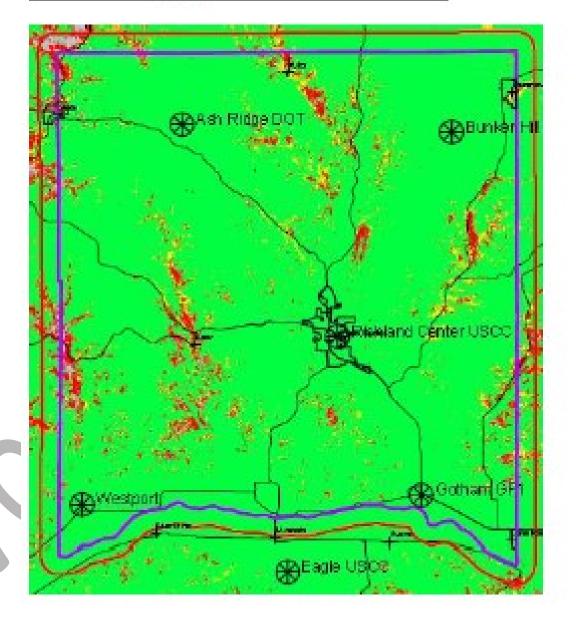




Baycom Alternate #2 Response

Map indicates indoor paging coverage provided by six (6) site design.

6-Site Paging Indoors - 91.3%



Baycom Primary Response Map indicates indoor portable Radio coverage provided by Thirteen (13) site design.

Cloud1 N, USC La Farge, M3 Hilbert E N, WI Power, and Cloud 1 W are receive only sites.



Inbound coverage to a P25 APX portable located in a BUILDING using a SPEAKER MIC worn ON THE HIP Building Loss (County Border)= 8dB Richland Center = 15dB **Baycom Alternate Response**

Map indicates indoor portable radio coverage provided by eight (8) site design.

Cloud1 N is a receive only site.

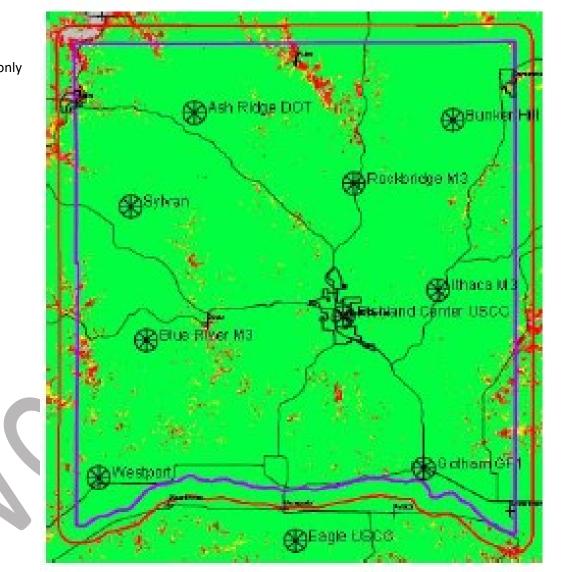


Inbound coverage to a P25 APX portable located in a BUILDING using a SPEAKER MIC worn ON THE HIP Building Loss (County Border)= 8dB Richland Center = 15dB **Gencomm Primary Response**

Map indicates indoor portable radio coverage provided by ten (10) site design.

Rockbridge M3 is a receive only

P25 Portable Indoors - 95.6%

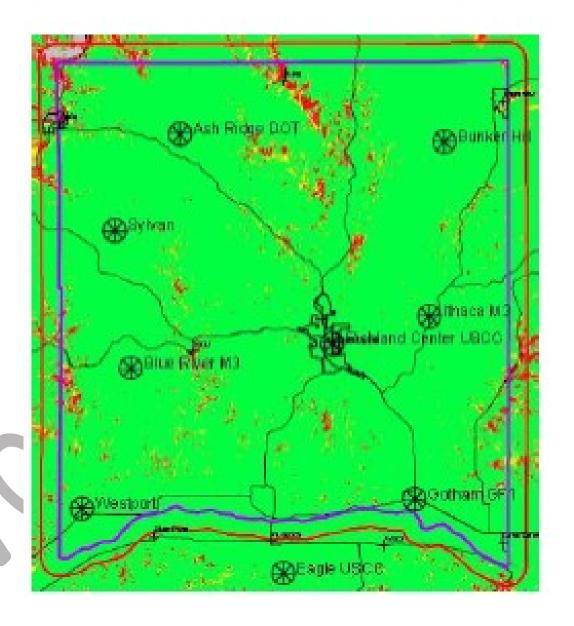


site.

Gencomm Alternate #1 Response

Map indicates indoor portable radio coverage provided by nine (9) site design.

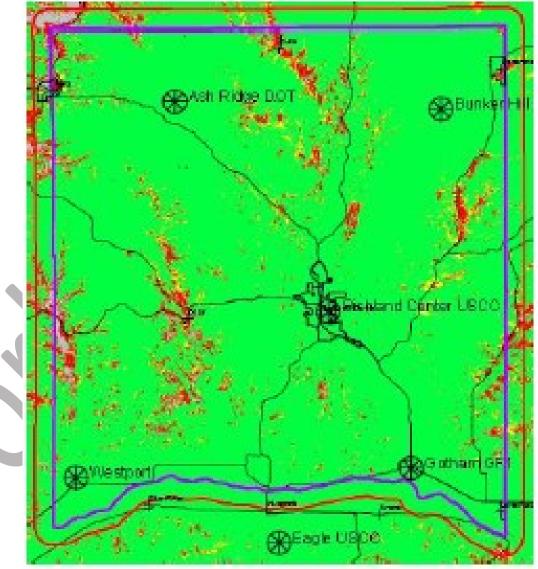
P25 Portable Indoors - 94.5%



Gencomm Alternate #2 Response

Map indicates indoor portable radio coverage provided by six (6) site design.

P25 Portable Indoors - 90.8%







STATE OF WISCONSIN DEPARTMENT OF JUSTICE

Josh Kaul Attorney General Division of Law Enforcement Services Training and Standards Bureau

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May 23, 2022

Sheriff Clay Porter Richland County Sheriff's Office 181 W. Seminary Street Richland Center, WI 53581

Subject: LETTER OF APPRECIATION

Dear Sheriff Porter:

It was my pleasure to conduct the audit of your agency's officer records and your recordkeeping procedures. In my written report, I have noted your records are "well organized and thorough". The files of two officers were reviewed. The scope of the agency audit was expanded in 2021 to include in-service training records. All files were found to be compliant with standards.

Your demonstrated performance is noteworthy. I wanted to take this time to commend you and your staff for your outstanding record-keeping and adherence to standards. The result of the audit clearly shows a commitment to excellence that is expected from Wisconsin's law enforcement agencies and reflects great credit upon you, your staff, and your agency as a whole.

On behalf of everyone at the Training and Standards Bureau, I want to thank you for your hard work and wish you continued success!

Sincerely,

Jerry Mullen Compliance Officer Wisconsin Department of Justice Training and Standards Bureau