



Addendum No. 1

City of Coquitlam

RFP No. 20-08-05

City Radio System Upgrades

Issue Date: October 1, 2020

(consists of 17 pages, including Attachment No. 1)

Proponents shall note the following amendments to the RFP documents:

R1. REPLACE

The Proposal Submission Form is replaced with the **REVISED** Proposal Submission Form **REVISION No. 1** (see Attachment No. 1 to this Addendum No. 1)

R2. REPLACE

In Section 3.5 Specifications and Alternatives, where it states:

ITEM	QTY	DESCRIPTION
1	2	Repeater - SLR 5000 with Capacity-Plus single-site license (HKVN4427); VHF 136-174MHz; 1-50 watts; DMR Tier 2 digital; with DC power cord, user manual
2	226	Mobile radio - XPR 2500 with Capacity-Plus single-site license (HKVN4413); VHF 136-174MHz; 1-25 watts; DMR Tier 2 digital; with fused DC power cord, mounting bracket, palm microphone, microphone hang-up clip, user manual

Is replaced with:

ITEM	QTY	DESCRIPTION
1	2	Repeater - SLR 5000 with Capacity-Plus single-site license (HKVN4427); VHF 136-174MHz; 1-50 watts; DMR Tier 3 digital; with DC power cord, user manual
2	226	Mobile radio - XPR 2500 with Capacity-Plus single-site license (HKVN4413); VHF 136-174MHz; 1-25 watts; DMR Tier 3 digital; with fused DC power cord, mounting bracket, palm microphone, microphone hang-up clip, user manual

R3. REPLACE

In Section 3.5 Specifications and Alternatives a) Radio System Accessories, where it states:

ITEM	QTY	DESCRIPTION
2	6	Cat.6 data patch cords – 7 foot
3	6	DC power supply – desktop model; 12 volt DC, 10 amp

4	6	Antenna for interior mount – wide-band ¼ wave VHF 154-173MHz with suitable ground plane; minimum 17 foot RG-58 cable kit with BNC-male connector
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Is replaced with:

ITEM	QTY	DESCRIPTION
2	9	Cat.6 data patch cords – 7 foot
3	9	DC power supply – desktop model; 12 volt DC, 10 amp
4	9	Antenna for interior mount – wide-band ¼ wave VHF 154-173MHz with suitable ground plane; minimum 17 foot RG-58 cable kit with BNC-male connector

QUESTIONS AND CLARIFICATIONS

- Q1) Has a channel plan been established? Are features such as ALL CALL desired?
A1) A draft talk group plan has been established and will be refined with the successful Proponent. All call should be possible from the dispatch console, but is not required from each individual radio.
- Q2) Are there opportunities for a site visit?
A2) Site visits can be arranged upon request.
- Q3) Looking for some clarification on the SMARTPTT section of the RFP:
 a) What features is the city looking to obtain from dispatch software? ie tracking? Voice recording? Texting? Muting? Others?
 b) How many dispatch positions are required?
 c) Would comparable Motorola endorsed dispatch software be accepted?
A3) a) The dispatch console should be capable of private, group, and all calls. It should be capable of generating basic reports and statistics on the activity of each talk group. Proponents should provide pricing on a basic dispatch system as above, and price separately for any additional features that the proponent feels may be of use to the City (texting, voice recording, etc.).
b) There will be two dispatch positions at the time of deployment. However, if dispatch software is priced on a per-user basis, this cost should be noted up to 5 users.
c) As stated in the RFP, SMARTPTT is given only as an example. Any dispatch software that meets the City's needs will be considered.
- Q4) Regarding the accessories section, the Qty 6 DC power supply, antenna for interior mount, are these for the 9 base stations? - if so, why not 9?
A4) Correction, items 2, 3, and 4 in the accessories section should each read Qty 9. Refer to R1 and R3 of this Addendum.
- Q5) Regarding the mobile radios:
 a) How many of these are replacing existing units?
 b) What radio model(s) are you currently using?
 c) How old are existing radios / antenna's?
 d) Is there a plan for deployment on the cities end? - after hours or weekend, installed by us?)
A5) a) 189 of the mobile radios will be replacing existing units.

b) A variety of models are currently in use including ICOM ICF5013, ICF5011, ICF1215, ICF521, ICF320.

c) Existing radios and antennas range from 1 to 14 years old.

d) The majority of deployment is expected to take place during standard business hours (0700H – 1600H, M-F) however some work may be required after hours or on weekends. Installation is expected to be carried out by the successful Proponent, but should be noted as a separate item as per the RFP.

Q6) What is the projected deployment date?

A6) The projected deployment schedule is as outlined in section 3.7 of the RFP. It is anticipated that the new radios will be installed gradually over the course of several months.

Q7) In regards to your RFP there maybe another solution that would fit your needs as well or better than DMR. NXDN in many cases will offer you a larger coverage area. Is the City willing to accept two quotes, one for a DMR system and one for an NXDN system?

A7) The application for frequency pairs made by the City to Innovation, Science and Economic Development Canada was done so with the intent of using a DMR system. For that reason, preference will be given to DMR solutions.

Q8) While downloading the Proposal Submission Form, the 1st one wants a quote on 226 Mobile (line 2) 124 portables (line 4) On the other form it asks for only 22 mobile (line 2), and 12 portables (line 4) Do I fill out BOTH forms, or just one, and is only the one form, what one?

A8) In Section 3.5, the City has stated quantities for each. Within the RFP document the column width has caused the quantities to bleed on the line below. The City has included a Proposal Submission Form in Word format on the City's website where the column spacing is correct and has the correct quantities.

Q9) Just looking for some clarification. On page 5 you ask for DMR trunking-capable radio and then on page 11 you are asking for 25 watts; DMR Tier 2 digital. Do you want a Tier 2 (conventional system) or a Tier 3(trunking system)?

A9) This should read Tier 3, not Tier 2. This RFP is for a trunked system consistent with the Capacity-Plus licensing given as an example. Refer to R2 and R3 of this Addendum.

End of Addendum No. 1

Proponents take into account the content of this Addendum in the preparation and submission of the Proposal which will form part of the Contract and should be acknowledged on the Proposal Submission Form.

Upon submitting a Proposal, Proponents are deemed to have received all addenda that are issued and posted on the City's website and considered the information for inclusion in the Proposal submission.

Issued by:

M. Pain
Purchasing Manager

bid@coquitlam.ca

ATTACHMENT No. 1



City of Coquitlam
REQUEST FOR PROPOSALS
RFP No. 20-08-05

City Radio System Upgrades

Proposals will be received on or before 2:00 pm local time on:

Thursday October 15, 2020
(Closing Date and Time)

INSTRUCTIONS FOR PROPOSAL SUBMISSION

Proposal submissions are to be consolidated into one (1) .pdf file and uploaded electronically through QFile, the City's file transfer service accessed at website: qfile.coquitlam.ca/bid

- 1. In the "Subject Field" enter:** RFP Number and Name
- 2. Add files in .pdf format and Send** (Ensure your web browser remains open until you receive two emails from Qfile to confirm upload is complete.)

Proponents are to allow ample time to complete the Proposal Submission process. If assistance is required phone 604-927-3037.

REVISED Proposal Submission Form
REVISION No. 1

Complete and return this Proposal Submission Form

Submitted by: _____

(company name)

1. PRICE

All service provided is to be in accordance with all governing regulatory authorities within the City of Coquitlam.

Pricing is to be stated in Canadian funds and held firm for the completion of the work. Pricing provided should be inclusive of the specific labour, materials, tools, equipment, transportation, fuel, supervision, disposal fees, incidentals and any other items required for completion.

Pricing is to exclude GST.

1.1. Pricing – Equipment

(PST applicable YES ☐ NO ☐)

Motorola:

Item	Qty.	Description	Unit Cost	Extended Price
1	2	Repeater - SLR 5000 with Capacity-Plus single-site license (HKVN4427); VHF 136-174MHz; 1-50 watts; DMR Tier 3 digital ; with DC power cord, user manual		
2	226	Mobile radio - XPR 2500 with Capacity-Plus single-site license (HKVN4413); VHF 136-174MHz; 1-25 watts; DMR Tier 3 digital ; with fused DC power cord, mounting bracket, palm microphone, microphone hang-up clip, user manual		
3	9	Fixed mobile radio (desk mounted) with power cord, desk mounting bracket, palm microphone, microphone hang-up clip, antenna, user manual.		
4	124	Portable radio – with display - XPR 3500E with Capacity-Plus single-site license (HKVN4413); VHF 136-174MHz; 1-5 watts; with antenna, Li-Ion battery 2100mAh, belt clip, battery charger and AC power adapter		
5	10	Battery charger – multi-unit rapid rate – PMPN4284		
6	1	Spare Battery for portable radio – PMNN4491		
7	20	Speaker microphone for portable radio – PMMN4071		
8	1	Dispatcher software – Motorola SmartPTT Plus or equivalent system		
9	1	Radio server/gateway software – if required - must be compatible with repeaters, LAN and dispatcher software		
10	1	Repeater Diagnostic and Control (RDAC) software		

11	1	Repeater programming and interface cables		
12		Extended warranty for repeater – state standard warranty information separately		
13		Extended warranty for mobile radio – state standard warranty information separately		
14		Extended warranty for portable radio– state standard warranty information separately		

1.2. Pricing – Accessories

(PST applicable YES ☐ NO ☐)

Item	Qty.	Description	Unit Cost	Extended Price
1	1	Industrial data switch – layer 2 (minimum); with 12 volt DC input; 8 ports (minimum) 10/100Base-TX; 1 SC/ST fiber port		
2	9	Cat.6 data patch cords – 7 foot		
3	9	DC power supply – desktop model; 12 volt DC, 10 amp		
4	9	Antenna for interior mount – wide-band ¼ wave VHF 154-173MHz with suitable ground plane; minimum 17 foot RG-58 cable kit with BNC-male connector		
5	1	Replacement whip antenna for vehicle hood mount – NMO base; wide-band VHF ¼ wave 154-173MHz		
6	1	Vehicle specific antenna hood mount bracket for Ford F150-F450 series; fits under fender bolt - no drilling; ¾ inch antenna mounting hole		
7	2	Rack shelf – 1U for 19 inch rack		
8	2	Rack shelf – 2U for 19 inch rack		

1.3. Pricing – Installation, Programming and Documentation

Item	Qty	Description	Unit Price	Unit of Measure
1	1	Install repeaters and related components, program, test and commission		Lump Sum
2	1	Install TakRak1, multi-coupling filters and RF cabling		Lump Sum
3	1	Install dispatcher and radio server computers, related devices and software; program, test and commission		Lump Sum
4	1	Per unit - Install mobile radio into vehicle – remove old radio and mounting bracket; install new mounting bracket and radio, connect to existing DC power cable and antenna		Per Unit
5	1	Per unit – Install mobile radio into vehicle without a previously existing radio; install mounting bracket, radio, antenna, and connect to DC power.		Per Unit
6	1	Per unit – install fixed mobile radio at desk, install antenna in a suitable location and connect radio to antenna.		Per Unit
7	1	Per unit - programming fee for mobile and portable radios		Per Unit
8	1	Fee to develop radio talk group plan and programming files		Lump Sum
9	1	Fee to train City employees for system use		Lump Sum

1.4. Pricing - Extra Materials, Spare Parts and Consumables

Proponent is to provide a list of spares and consumables, along with recommended quantities, unit price and expected life span of each spare part and consumable:

Description	Quantity	Unit Price	Expected Life Span

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2. PROPOSED ALTERNATE EQUIPMENT/ NO PRE-ACCEPTED PRODUCT SPECIFIED

For any proposed alternate product from what is specified or where there isn't a product specified, the Proponent is to state the proposed product, including which specified product they propose an alternative product to, where applicable, and provide make and model, manufacturer's specification sheets, functional descriptions and any other supporting information to help the City to determine if the product meets or exceeds the specifications or in the absence of a specification, to help the City evaluate the equipment proposed:

Specified Product Description	Alternate Product Proposed	Alternate Product make and Model	Supporting Documentation included/ attached to Proposal submission (Yes/No)

3. TECHNICAL SPECIFICATIONS AND DESCRIPTION – NON SPECIFIED EQUIPMENT

Proponent is to provide a description and technical specifications of all significant equipment, wiring or features deemed by the Proponent to be necessary to the function and operation of the system, but not specified in the RFP (use the space provided and/or attach additional pages, if necessary):

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4. **SYSTEM ENHANCEMENTS**

Proponent is to state recommendations that will enhance the system performance or provide cost savings, without the loss of performance or features. Proponent is to provide a complete description of the recommendations, along with technical specifications and a detailed breakdown of costing. Proponent is to indicate whether the recommendations increase, decrease or do not affect the pricing state in the Proponent's Proposal submission (use the space provided and/or attach additional pages, if necessary):

	Recommendations	Price of Enhancement	Technical Specifications attached (Yes/No)
.1			
.2			
.3			
.4			
.6			
Applicable Pricing Table	Price increase – state	Price decrease - state	No change in Price – state
1.1 Pricing - Equipment			
1.2 Pricing – Installation , Programming and Documentation			

5. **DEPARTURES**

Fully describe any deviations outlined in Section 2 General Conditions that your company is unable to comply with.

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6. COMPANY PROFILE

1. Proponents is to provide information on the following (use the spaces provided and/or attach additional pages, if necessary):
i. Company name, years in business and any other name(s) Proponent is, or has been doing business under
ii. Location of head office, branches, background, stability, structure of the Proponent
iii. Proponent's relevant experience and qualifications in delivering Services to those required by the RFP in the last 5 years:
iv. Proponent to provide chart of organizational structure as this relates to the proposed team members that are to be assigned to perform the Services, including the Proponent's internal reporting structures

7. KEY PERSONNEL

The following are the Proponent's key personnel proposed for use on this project. Include relevant experience, qualifications, certification, roles, resumes, responsibilities and availability for this project.

Name	Position	Qualifications	Years of Relevant Experience	Resume Attached (Yes/No)

8. REFERENCES

Proponents shall be professionally qualified to perform the services required and have successfully completed recent Radio Upgrades/Installation projects similar in size, scope and complexity. By submission of a Proposal, Proponents agree the City may verify successful completion of work. Information obtained from references may not be discussed or disclosed to any Proponents.

Description of Contract or Project	
Year Started	
Year Completed	
Company	
Contact Person	
Telephone and Email	
Contract Value	

Description of Contract or Project	
Year Started	
Year Completed	
Company	
Contact Person	
Telephone and Email	
Contract Value	

Description of Contract or Project	
Year Started	
Year Completed	
Company	
Contact Person	
Telephone and Email	
Contract Value	

9. **METHODOLOGY**

Summarize the key features of your Proposal and the Technical Approach to be used. Provide a brief description the various components required for successful completion of the work.

Delivery, set-up and execution of the work - Proposals should address the plan for the delivery, set up and execution of the work; as well as the disposal, recycle or reuse for the surplus materials.

Quality Assurance - Provide the measures the Project Manager will use to maintain quality control at the worksite to completion of the project. Proponent is to include historical project diagrams, system record drawings and/or proposed drawings for what is being requested within this RFP.

Risk Factors - Describe the risk factors anticipated and how the Proponent intends to mitigate these.

Safety – Proposal is to provide how the Proponent would address safety on the work site.

Test and Acceptance – Provide the methodology as to testing and acceptance phase of the project.

Delivery, set-up and execution
Quality Assurance
(Historical project diagrams, system record drawings and/or proposed drawings are attached to the Proponent's Proposal submission - Yes <input type="checkbox"/>)
Risk Factors
Safety
Test and Acceptance

10. WORK SCHEDULE

The Proponent is to provide a sample project schedule, including key milestones. Proponent is to demonstrate they understand the project requirements and have the capability to complete the project within the timelines stated in the RFP:

Dates are subject to any delays approved by the City.

Work Schedule Dates			
Activity		Start Date	Completion Date
a)			
b)			
c)			
d)			
e)			
f)			
g)			
h)	Project Completion		

11. SUB-CONTRACTORS

The Proponent is to provide information on the background and experience of all sub-contractors proposed to undertake the Services.

The Contractor is responsible for all work on this project and confirms that subcontractors are identified and will comply with all terms and conditions of the RFP:

Sub-Contractor	Services Performed	Experience and Qualifications	Supporting Documentation attached (certifications, qualifications etc.) (Yes/No)

12. VALUE ADDED

Provide information on what makes your firm innovative, what is your competitive advantage, and what other services your firm provides that would assist or be of benefit to the City:

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13. SUSTAINABLE BENEFITS AND SOCIAL RESPONSIBILITY

13.1. Sustainable Benefits

Describe all initiatives, policies, programs and product choices that illustrate your firm's efforts towards sustainable practices and environment responsibility in providing the services that would benefit the City:

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13.2. Social Responsibility

- a) What policies does your organization have for hiring apprentices, indigenous peoples, recent immigrants, veterans, young people, women, and people with disabilities:

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- b) What policies does your organization have for the procurement of goods and services from local small and medium sized business or social enterprises:

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14. HEALTH AND SAFETY PROGRAM

- a) Confirm the proponent has a written safety program in place that meets the requirements of WorkSafeBC.

YES ☐ NO ☐

- b) Is your company COR (Certificate of Recognition) certified with respect to WorksafeBC?

YES ☐ NO ☐

15. ADDENDA

We acknowledge receipt of the following Addenda related to this Request for Proposals and have incorporated the information received in preparing this Proposal:

Addendum No.	Date Issued

16. AUTHORIZATION

We hereby submit our Proposal for the supply and services as specified and undertake to carry out the work in accordance with all Regulations and Codes, applicable to this RFP.

We agree to the rules of participation outlined in the [Instructions to Proponents](#) and should our proposal be selected, will accept the City's contract: [Standard Terms and Conditions - Purchase of Goods and Services](#)

The signature is an authorized person of the organization and declares the statements made in their submission are true and accurate.

For the purpose of this RFP submission, electronic signatures will be accepted.

Company Name:	
Address:	
Phone:	
GST Registration No.:	
Project Contact: Name and Title of Individual <i>for communication related to this RFP</i> (please print)	
Contact Email:	
Name & Title of Authorized Signatory: (please print)	
Signature:	
Date:	