

**VILLAGE OF DOWNERS GROVE**  
**Report for the Village Council Meeting**

**10/11/2016**

<b>SUBJECT:</b>	<b>SUBMITTED BY:</b>
Motion to Approve Payment to DU-COMM for Microwave Communications Link	Kurt Bluder Chief

**SYNOPSIS**

A motion is requested to approve payment to DU-COMM for the purchase and installation of a microwave communications link as part of the 2017 Village consolidation with DU-COMM for emergency dispatching services. The one-time cost of the microwave link is \$68,238.02, and is eligible for reimbursement in FY17 by the DuPage County Emergency Telephone System Board (ETSB).

**STRATEGIC PLAN ALIGNMENT**

The goals for 2015-2017 include *Exceptional Municipal Services*.

**FISCAL IMPACT**

The proposed FY17 budget includes \$60,000 in the General Fund for this purchase.

**RECOMMENDATION**

Approval on the October 11, 2016 consent agenda.

**BACKGROUND**

In July of 2016, the Village of Downers Grove entered into an intergovernmental agreement with DuPage Public Safety Communications (DU-COMM) for the delivery of emergency dispatching services, beginning in the spring of 2017. As part of the consolidation process, the Village must establish network connectivity to DU-COMM for 9-1-1 phone service, audible fire station alerting, and VHF fire radio transmissions. Nokia has provided DU-COMM with a quote for the purchase and installation of a microwave communications link between DU-COMM and the Village of Downers Grove. The Nokia quote is the result of a Request for Proposals (RFP) issued and published in accordance with DU-COMM's purchasing policy.

DU-COMM will rebill the Village for the cost of the microwave communications link upon completion of the installation in the spring of 2017. The cost of this one-time purchase is eligible for reimbursement by the DuPage County Emergency Telephone System Board, pursuant to the ETSB policy on Public Safety Answering Point (PSAP) consolidations.

**ATTACHMENTS**

Proposal

## Detailed Pricing Summary

DU-COMM

Downers Grove Consolidation Project

Proposal #

16.US.635214.01

August 31, 2016

**NOKIA**

Category	Item Description	Extended Price
<b>HARDWARE/SOFTWARE and SPARES</b>		
9500MPR Radio	Microwave Packet Radio	\$23,678.20
Antenna Materials	Antenna Materials	\$11,501.41
SPARES	Spares	\$5,715.50
<b>HARDWARE/SOFTWARE and SPARES SubTotal:</b>		<b>\$40,895.11</b>
<b>TRANSMISSION ENGINEERING SERVICES</b>		
PATH SURVEYS	Field Survey	\$3,933.00
PATH DESIGN	Design	\$400.00
FREQUENCY COORDINATION	Coordination	\$1,160.00
FCC LICENSING	Licensing	Not Applicable
<b>TRANSMISSION ENGINEERING SERVICES SubTotal:</b>		<b>\$5,493.00</b>
<b>INSTALLATION SERVICES</b>		
RADIO INSTALLATION	Installation, Test, and Turn Up	\$32,269.95
<b>INSTALLATION SERVICES SubTotal:</b>		<b>\$32,269.95</b>
<b>ENGINEERING SERVICES</b>		
PROGRAM MANAGEMENT	PMO	\$2,359.74
<b>ENGINEERING SERVICES SubTotal:</b>		<b>\$2,359.74</b>
<b>Adjustments</b>		
Management Adjustment:		<b>-\$12,779.78</b>
<b>Project Total:</b>		<b>\$68,238.02</b>
<b>OPTIONS</b>		
<b>Unlimited throughput license key for the maximum capacity of the radio for free.</b>		
Warranty/Maintenance Service	<b>Year 1 - Included at no charge (TS Gold &amp; Adv Replacement)</b>	
Warranty/Maintenance/SSP Service	Year 2	\$1,423.55
Warranty/Maintenance/SSP Service	Year 3	\$1,423.55

E-Mail PO to Ordernow@Alcatel-Lucent.com and reference the ALU Proposal # on cover sheet.

**Pricing Notes:**

- The budgetary planning pricing included above provided by Nokia is indicative only, solely to inform DU-COMM of Nokia's current estimate of prices for the relevant items(s) to enable DU-COMM to evaluate its potential interest.
- The terms and conditions, including planning pricing, of the items provided under this Proposal or subsequent agreements are subject to future negotiations and future agreement on the terms and conditions which would any sale. *There are no*
- Prices are valid for 60 days.
- This pricing is valid only for the equipment, equipment features, and services explicitly described within this proposal. Any equipment item, equipment feature, installation item, or service not explicitly described in this bid is not included in this pricing, and any addition of such will require a revised proposal with modified pricing. Please review all sections of this bid carefully for details as to what this proposal includes, and what assumptions have been made.
- Pricing is based on attached Scope Of Work, Assumptions, Detailed Equipment List and/or Design Configurations.
- Taxes, transportation, ancillary material, travel and living expenses are excluded.
- Typical equipment lead time is approximately 8 weeks or sooner After Receipt of Purchase Order with valid frequencies based on equipment availability. Lead time can be confirmed After Receipt of Purchase Order and order scheduling.
- Mob and Demob and Path Survey Travel expenses were taken out because this will be worked in conjunction with the first PO received SF#16.US.620617.01.

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Number of Paths: 1  
Number of Sites: 2

**Contract #:** DU-COMM  
**Customer:** Downers Grove Consolidation Project  
**Proposal #:** 16.US.635214.01  
**Date:** August 31, 2016  
**Prepared by:** Victor Elizondo  
**Phone:** (972) 477-4187  
**Email:** Victor.Elizondo@nokia.com



601 Data Drive  
Plano, TX 75075

Part Number	Description	Unit	Sell Price	System Quantity	Extended	System Line	Item	Extended
<b>Radio Information</b>								
9500 MPR Microwave Switching Shelf (MSS)								
3EM22715AG	MSS-8 Shelf w/Fan Alarm Evo - HSY2	1	\$645.00	1	\$645.00	95MPR11-132F30-113-32.5-NS		
3EM24105AA	Fan Alarm Cable - 2.5 foot	1	\$52.50	1	\$52.50	TX 11200V / RX 11200V		
3DB18788AC	Corevo-10G	2	\$903.00	2	\$1,806.00	T/F DOWNERS GROVE - CH 1		
3DB18163AB	MSS Slot Cover - Blank Plate 1/2H	4	\$12.30	4	\$49.20			
3DB18126AE	32x11 TDM Module	1	\$609.00	1	\$609.00			
3DB18862AA	dual +24V converter assembly	1	\$837.00	1	\$837.00			
3DB23386ABAA	9500 MPR R6.1 USD Card for CorEvo-10G	2	\$30.00	2	\$60.00			
3EM23067AAAA	9500 MPR CT License (Per PC Installed)	1	\$150.00	1	\$150.00			
3DB18970BIBB	9500 MPR R6.1 SW Electronic Kit (CS02	1	\$300.00	1	\$300.00			
3DB19275ABAA	9500 MPR R6.1 Customer Documentation Electronic Library	1	\$27.00	1	\$27.00			
<b>9500 MPR Microwave Packet Transceiver (MPT)</b>								
3EM24238AA	MPT-HL Shelf Kit Single T-R	2	\$519.00	2	\$1,038.00			
3DB76050EA	MPT-HLC XCVR 1.1 GHz HP TX HIGH (TX 11200 - 11700, RX 10700	2	\$4,812.50	2	\$9,625.00			
<b>9500 MPR RTUs - per-ODU/RF Transceiver/ Upgrade</b>								
3MU00121AAAA	9500 MPR AES RTU	2	\$1,500.00	2	\$3,000.00			
3EM23068ACAA	RTU 120Mbps TRX Capacity	2	\$600.00	2	\$1,200.00			
3MU00086AAAA	9500 MPR MSP Ring RTU	2	\$450.00	2	\$900.00			
<b>9500 MPR Microwave Packet Transceiver Accessories</b>								
3EM23465AC	6/11 GHz 1+0 (Non-Standby) Diplexer Bracket	2	\$78.60	2	\$157.20			
3EM24188AC	11 GHz 1+0 (Non-Standby) Diplexer Clamp and Isolator Kits	2	\$90.00	2	\$180.00			
3EM24081AA	RF Diplexer Filter 10700-11700, 30 MHz	2	\$450.00	2	\$900.00			
3EM23511AF	Diplexer Transition Assy A2 (11 GHz) Position Kit	2	\$165.00	2	\$330.00			
15S-0560-212	Diplexer to Transition Cable Assy 304.8mm	2	\$16.50	2	\$33.00			
3DH04122HN	Flange Adapter CPR-90 1PORT, 11Ghz	2	\$75.00	2	\$150.00			
3EM23141AG	SFP Copper Cable, 2.0 M	2	\$66.00	2	\$132.00			
<b>Racks and Accessories</b>								
694-9000-006	Standard Rack, 7 ft tall, 19 inch wide	1	\$297.00	1	\$297.00			
3EM13317AB	Power Distribution Panel w/Fuse Alarm	1	\$300.30	1	\$300.30			
<b>Manuals and Documentation</b>								
3EM24226AA	Microwave Factory Test Certificate	2	\$450.00	2	\$900.00			
<b>HARDWARE TOTAL</b>								
								\$23,678.20
<b>Optional Throughput Upgrade</b>								\$9,272.60
								\$14,405.60
<b>Frequency Coordination for Capacity Upgrade</b>								
<b>U.S. DOMESTIC FREQUENCY SELECTION / COORDINATION</b>								
SVC-KWIE-ENGR	Frequency Selection (per Path)	1	\$850.00	1	\$850.00			
SVC-KWIE-ENGR	Normal 30-day Prior Coordination (per System)	1	\$310.00	1	\$310.00			
<b>Frequency Coordination for Capacity Upgrade TOTAL</b>								\$1,160.00

DOWNERS GROVE

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601 Data Drive  
Plano, TX 75075

**Customer:** DU-COMM  
**Project:** Downers Grove Consolidation Project  
**Proposal #** 16.US.635214.01  
**Date:** August 31, 2016  
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Part Number	Description	Unit Sell Price	System Quantity Extended	System Line Item Extended	SPARES
<b>Spares</b>					
3DB18788AC	CorEvo-10G	\$903.00	1	\$903.00	1
3DB76050EA	MPT-HLC XCVR 11.GHz HP TX HIGH (TX 11200 - 11700, RX 10700	\$4,812.50	1	\$4,812.50	1
<b>HARDWARE TOTAL</b>				<b>\$5,715.50</b>	<b>\$5,715.50</b>

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Part Number	Description	Unit Sell Price	System Quantity Extended	System Line Item Extended
<b>TRANSMISSION ENGINEERING SERVICES</b>				
SVC-KWIE-ENGR	Path Survey (single hop system) (per Path)	\$3,933.00	1	\$3,933.00
SVC-KWIE-ENGR	Path Survey Mob & Demob (estimate) (per Survey)	\$2,000.00		\$0.00
<b>PATH DESIGN</b>				
SVC-KWIE-ENGR	System Map (1-25 paths) (per Map)	\$100.00	1	\$100.00
SVC-KWIE-ENGR	Path Design (per Path)	\$150.00	1	\$150.00
SVC-KWIE-ENGR	Path Performance Calculations (per Path)	\$150.00	1	\$150.00
<b>U.S. DOMESTIC FREQUENCY SELECTION / COORDINATION</b>				
SVC-KWIE-ENGR	Frequency Selection (per Path)	\$850.00	1	\$850.00
SVC-KWIE-ENGR	Normal 30-day Prior Coordination (per System)	\$310.00	1	\$310.00
<b>ENGINEERING SERVICES</b>				
300702487	Program Management (PMO)	\$2,359.74	1	\$2,359.74
<b>SERVICES TOTAL</b>				<b>\$5,493.00</b>

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August 31, 2016

**NOKIA**

**DU-COMM**  
Downers Grove Consolidation Project

**Proposal #**  
**16.US.635214.01**

Prepared by: Victor Elizondo  
Phone Number: (972) 477-4187  
Email: [Victor.Elizondo@nokia.com](mailto:Victor.Elizondo@nokia.com)

Sales Support Engineer: Armando Acosta  
Phone Number: 214-912-1986  
Email: [Armando.Acosta@nokia.com](mailto:Armando.Acosta@nokia.com)

*This Proposal is submitted pursuant to the terms and conditions of the existing general purchase agreement between Nokia and DU-COMM.  
Should no general purchase agreement exist, this Proposal is submitted pursuant to Nokia standard terms and conditions for such items  
and/or services as proposed herein.*

**Please E-Mail PO to [Ordernow@alcatel-lucent.com](mailto:Ordernow@alcatel-lucent.com) and [Armando.Acosta@Nokia.com](mailto:Armando.Acosta@Nokia.com) and reference the Proposal #  
on cover sheet.**

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