



Customer: City of Broken Arrow  
 Contact: Mark Ketchum  
 Project: Fire Station Microwave Project Phase 1  
 Date: Nov-15  
 Account No.: 2424

Prepared by: Heather Walther  
 E-mail: [Hwalther@dalcell.com](mailto:Hwalther@dalcell.com)  
 Phone: 402-964-2443  
 Address: 2504 South 156th Circle  
 Omaha, NE 68130

Part Number	Description	FS-1	FS-2	FS-3	FS-4	FS-5	FS-6	Tiger Hill	Town Center	Spare	Quantity	WSCA	UOM	Sell	Total
3EM13317AB	Rack and PDU Power Distribution Panel with Fuse Alarm Card Included	1									2	\$ -	EA	\$ -	\$ -
3EM10496AA	Power Distribution Panel										2	\$ 336.70	EA	\$ 331.31	\$ 662.62
695-1001-006	Aluminum Rack Screw Kit	1									2	\$ 37.00	EA	\$ 36.63	\$ 73.26
3MU00109AA	Microwave Service Switch (MSS)										2	\$ -	EA	\$ -	\$ -
3DB18613BA	Microwave Service Switch-1 MSS1C	1									2	\$ 925.00	EA	\$ 915.00	\$ 1,830.00
3DB18970BGHAA	Software 9500 MPR RS.2 SW CD KIT	1						1			3	\$ -	EA	\$ -	\$ -
3EM23085AHAA	9500 MPR R3.01.00 SW License/CD	1						1			3	\$ 1,000.00	EA	\$ 990.00	\$ 2,970.00
3EM22086ASAA	9500 MPR RS.2 Flash Card (1 per core card)	1						1			3	\$ -	EA	\$ -	\$ -
3EM23086AHAA	9500 MPR R3.01.00 Flash Card (1 per CORE)	1						1			3	\$ 100.00	EA	\$ 97.56	\$ 292.68
3EM24226AA	Microwave Factory Test Certificate	1						1			3	\$ 1,500.00	EA	\$ 1,163.41	\$ 3,490.23
3EM23951APAA	9500 MPR 5.2 O&M Manual Electronic Delivery OLC5	1						1			1	\$ -	EA	\$ -	\$ -
3EM23951AFAA	9500 MPR 3.01 O&M Manual CD-ROM	1						1			1	\$ 90.00	EA	\$ 89.10	\$ 89.10
3EM23067AAAA	9500 MPR CT License (Per PC Installed)	1						1			1	\$ 500.00	EA	\$ 495.00	\$ 495.00
3EM23068AAAA	Right To Use (RTU) Licenses RTU 40Mbps TRX Capacity (Per MPT)	1						1			4	\$ 80.00	EA	\$ 79.20	\$ 316.80
3EM23073AAAA	RTU 9500 MPR Adaptive Modulation (Per MPT)	1						1			4	\$ 1,500.00	EA	\$ 1,163.41	\$ 4,653.64
3DB22000DA	MPT-HC-HQAM 11Ghz MPT-HC-HQAM 11Ghz low	1						1			2	\$ -	EA	\$ -	\$ -
3EM23888AB	MPT Transceiver Unit - 11Ghz Low	1						1			2	\$ 6,442.50	EA	\$ 3,378.08	\$ 6,756.16
3DB22001DA	MPT-HC-HQAM 11Ghz high	1						2			2	\$ -	EA	\$ -	\$ -
3EM23888AC	MPT Transceiver Unit - 11Ghz High	1						2			2	\$ 6,442.50	EA	\$ 3,378.08	\$ 6,756.16
3DB20991BD	MPT-HC/XP-HQAM 11 GHz Diplexer 11 GHz : 10695 - 10961 / 11199 - 11485	1						1			2	\$ -	EA	\$ -	\$ -
3DB20547BA	MPT-HC 11GHz 11205-11485	1						1			2	\$ 4,963.50	EA	\$ 2,600.00	\$ 5,200.00
3DB20991BE	11 GHz : 10933 - 11200 / 11430 - 11705	1						2			2	\$ -	EA	\$ -	\$ -
3DB20548BA	MPT-HC 11GHz 11445-11705	1						2			2	\$ 4,963.50	EA	\$ 2,600.00	\$ 5,200.00
3CS2191AA	MPT-HC Alignment Cable Light Service alignment kit with LEMO connector	1						1			3	\$ 227.20	EA	\$ 224.93	\$ 674.78
1AD040130004	MPT-HC CAT5e Installation Material Ground kit - (qty 3 per run, based on length)	3						6			12	\$ 23.20	EA	\$ 22.97	\$ 674.78
1AB328430001	Lightning arrester RJ45 router output (MPRe)	1						2			4	\$ 472.80	EA	\$ 468.07	\$ 1,872.29
3CS2199AA	MPT-HC CAT5e Cords A4 25m Preassembled CAT5e R2TC/RJ45	1						2			4	\$ -	EA	\$ -	\$ -
1AC016760006	Cat5e cable - GLP is per foot	83						166			322	\$ 0.91	EA	\$ 0.90	\$ 290.09
10039091	mPFT-HC Integrated Antennas SC2-W1008MPT	1						2			4	\$ -	EA	\$ -	\$ -
10036418	583-W100AMPT	1						2			4	\$ 2,772.00	EA	\$ 1,982.00	\$ 7,928.00
PM-SU4-63	RFS Antenna Systems Antenna Pipe Mount Tower Leg 63"x4-1/2"	1						2			2	\$ -	EA	\$ -	\$ -
JRM35010HC	Non-Penetrating Rooftop Mount 3-1/2" OD x 10' mast JRM35010H	1						1			2	\$ -	EA	\$ -	\$ -
JRMPAD	Rooftop Pad for JRM Mount	1						1			2	\$ -	EA	\$ -	\$ -
MD-SQ4	Ice Shield 4' Dish	1						2			2	\$ -	EA	\$ -	\$ -

FRM238SP5HC	Non-Penetrating Rooftop Mount-2'138"-OD x 5' mast;FRM238	1										2	\$ -	EA	\$ -	
FRMMAT	Rooftop Pad for FRM Mount	1										2	\$ -	EA	\$ -	
MISC	Misc Installation Hardware (Lot)	1										3	\$ -	EA	\$ -	
	<b>DC Power Systems</b>															
RM-548M	DuraComm - Rack Power Supply, 5A/48V	1										3	\$ -	EA	\$ -	
3DH03164AB	Power Supply	1										3	\$ 1,050.00	EA	\$ 1,039.50	
	<b>9500 MPR Radio Maintenance - 3 Year</b>															
	9500 MPR Remote Phone Support Bronze (per path)											2	\$ -	EA	\$ -	
	9500 MPR Standard Return for Repair (per path)											2	\$ -	EA	\$ -	
300472529	Data Network Integration Engineer											4	\$ 1,320.00	EA	\$ 1,120.00	
	<b>Microwave Engineering Services</b>															
SVC-KWIE-ENG	Path Survey (per path)	1										2	\$ 3,933.00	EA	\$ 3,357.14	
300898186	Path Survey Travel and Living											1	\$ -	EA	\$ -	
300898186	Path Survey Travel and Living											10	\$ 300.00	EA	\$ 297.00	
SVC-KWIE-ENG	Path Design (per Path)	1										2	\$ 150.00	EA	\$ 148.50	
SVC-KWIE-ENG	Path Performance Calculations (per Path)	1										2	\$ 150.00	EA	\$ 148.50	
	Engineering Drawings and Documentation (per site)	1										3	\$ -	EA	\$ -	
3HE06630AA	Data Network Design Engineer											1	\$ 1,640.00	EA	\$ 1,623.60	
	<b>Coordination and Licensing</b>															
SVC-KWIE-ENG	Frequency Selection (per Path)	1										2	\$ 850.00	EA	\$ 841.50	
SVC-KWIE-ENG	Normal 30-day Prior Coordination (per path)	1										2	\$ 310.00	EA	\$ 306.90	
SVC-KWIE-ENG	FCC License Application (Form 601) (per path)	1										2	\$ 465.00	EA	\$ 460.35	
	<b>Project Management Services</b>															
300702487	Project Manager (per man day)											4	\$ -	EA	\$ -	
300702487	Project Manager (per man day)											4	\$ 1,477.00	EA	\$ 1,425.00	
	<b>Microwave Installation &amp; Testing Services</b>															
3HE06630AA	Site Survey											3	\$ -	EA	\$ -	
	Data Network Design Engineer											3	\$ 1,640.00	EA	\$ 1,100.00	
	Antenna and Line Installation											3	\$ -	EA	\$ -	
300472529	Data Network Integration Engineer											13	\$ 1,320.00	EA	\$ 1,275.00	
300472529	Microwave Radio & Ancillary Installation											3	\$ -	EA	\$ -	
	Data Network Integration Engineer											3	\$ 1,320.00	EA	\$ 1,275.00	
	Microwave Test & Integration											3	\$ -	EA	\$ -	
300472529	Data Network Integration Engineer											10	\$ 1,320.00	EA	\$ 1,275.00	
300898186	Per Diem Expenses (Site Survey)											10	\$ 300.00	EA	\$ 297.00	
	Project Design Review											3	\$ -	EA	\$ -	
300472529	Data Network Integration Engineer											3	\$ 1,320.00	EA	\$ 1,275.00	
	Close-out Drawings & Documentation Blender											1	\$ -	EA	\$ -	
300472529	Data Network Integration Engineer											1	\$ 1,320.00	EA	\$ 1,275.00	
	<b>Total:</b>															<b>\$ 125,587.00</b>

Accepted by: \_\_\_\_\_

Date: \_\_\_\_\_

**Disclaimers:**

\*\* Material: 100% balance of equipment due upon receipt of inventory.

\*\* Professional Services / Labor: Progressive invoicing may be required based on percentage of completion.

\*\* Alcatel-Lucent products are sold under WSCA Contract # 02702

If approved, please sign and fax to Dice Communications @ 402-289-4208 or e-mail to hwalther@dicellc.com with copy of purchase order.

Heather Walther

402-964-2443

[hwalther@dicellc.com](mailto:hwalther@dicellc.com)