



Integrated Technologies Corporation

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November 30, 2012

Brice Gordon
Zorro Ranch, NM

Brice,

I want to thank you again for the opportunity to provide you these proposals for the Zorro Ranch. I have four different costs for you as follows:

FIBER OPTIC CABLING OPTION #1 (COMPLETE)

This option includes all material and labor to install a 6-strand singlemode fiber cable from the service provider's point-of-presence to the "General Store", terminating there to provide signal for the Wi-Fi, then continuing to the main residence where it will terminate and connect to the existing network infrastructure. It also includes 2 runs of 2" HDPE duct (to allow for future use) and the appropriate number of handholes. Trenching and back-filling to be provided by Zorro Ranch. This quote also contains material and labor necessary to install three(3) wireless access points. The network signal shall originate at the "General Store" utilizing a mesh technology to distribute the signal to both residences nearby. This will not require cabling between the buildings. Each building would receive one port for network access.

TOTAL COST: \$149,216.37

FIBER OPTIC CABLING OPTION #2 (ONE DUCT)

This option includes all listed above, but uses only one(1) 2" duct in the trench.

TOTAL COST: \$117,546.08

FIBER OPTIC CABLING OPTION #3(NO DUCT - NOT RECOMMENDED)

This option includes all listed in option #1, but provides no HDPE duct. Thus, the fiber is to be buried directly in the trench.

TOTAL COST: \$75,136.92

Please contact if you have any questions or concerns...and thank you again.

Sincerely,
Worth Shepherd



Description

Labor				
Telecommunication Apprentice/Helper/Installer	HR	895	55.00	49675.00
Electrician/ BICSI Certified	HR	200	55.00	11000.00
Project Mgr.	HR	44	55.00	2340.00
Total Labor				63,015.00
Sub Total				139,945.01
Tax 6.625%				9,271.36
Permit				0.00
Total				149,216.37



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Quoted by: *Worth Shepherd*

Zorro Ranch WITH ONE 2" DUCT And Ruckus Wireless

Description	Systemax CPI		EA.	4
Tera SPEED Duplex LC-LC Jumper, 1.2 Meters(4ft)			EA.	1
RMU	11791-718		EA.	1
6F LT, SM 8.3/125 OSP dielectric			EA.	1
1RU EMPTY Sliding Rack Mount Fiber Shelf, acc Uniprise			EA.	1
SM LC simplex/duplex ganged adapter, snap-in, Blu Uniprise	RFE-SLG-EMT/1U		EA.	2
LC Connector, SM for 900um cordage, single pack	SFA-LC12-BL		EA.	2
anaerobic adhesive	SFC-LCU-09		EA.	20
Lucent Primer	700002181		EA.	1
Lucent Breakout Kit	700004146		EA.	1
2" HDPE conduit	700006117		EA.	1
2" couplings			EA.	22000
18x18x6 nema 3R J-box	A18R186		EA.	12
Quazite Box, 24x36x24 no base, stackable	PG2436BA24		EA.	1
Quazite Cover, 24x36 w/ 'COMM' logo	PG2436HA0012		EA.	20
Solid Wall Penetrations (core drilling equipment)			EA.	20
HP X120 1G SFP LC LX Transceiver	J9143B		EA.	4
E2510-48G SWITCH	J9280A		EA.	3
HP E2615-8-PoE Switch	J9565A		EA.	1
2RU 1500 VA UPS	SUA1500RM2U		EA.	1
Misc Hardware			EA.	1
24-4P 5e CMP DataPipe 1BX, White			EA.	1
outdoor wireless AP	CMX 4-pr in/outdoor		EA.	4.0
Insert C5E 568A/B Ivory	901-7762-US01		EA.	1.0
Wallplate, single gang, 2 port Ivory	UNJ500-IV		EA.	3.0
premium support for AP	UNF-D-2P-IV		EA.	6.0
Zone Director 1100	907-7762-0002USEA		EA.	3.0
Premium support for ZoneDir	901-1106-UN00		EA.	1.0
Cat 5 LAN protector	904-1106-0002US		EA.	1.0
Solid Wall Penetrations (Core Drilling Equipment)	CAT5LAN		EA.	3.0
Total Materials			EA.	4.0

Description

Labor			
Telecommunication Apprentices/Helper/Installer	HR	745	41425.00
Electrician/ BICSI Certified	HR	150	8250.00
Project Mgr.	HR	74	3990.00
Total Labor			53,665.00
Sub Total			110,242.51
Tax 6.625%			7,303.57
Permit			0.00
Total			117,546.08



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11/30/12

Zorro Ranch WITHOUT DUCT with Ruckus Wireless

Description	Uniprise	UNP610-48	EA.	1
Patch Panel C5, 48 port, 110, 568A/B	Systemax		EA.	4
Tera SPEED Duplex LC-LC Jumper, 1.2 Meters(4ft)	CPI	11791-718	EA.	1
Standard Swing Gate Wall Rack 38.5"H x 18"D, 21 RMU			EA.	1
6F LT, SM 8.3/125 OSP dielectric			EA.	1
1RU EMPTY Sliding Rack Mount Fiber Shelf, accepts 4 Ganged Adapters, E Uniprise			EA.	22,000
SM LC simplex/duplex ganged adapter, snap-in, Blue, For 1U SHELF	Uniprise	RFE-SLG-EMT/1U	EA.	2
LC Connector, SM for 900um cordage, single pack	Uniprise	SFA-LC12-BL	EA.	2
anaerobic adhesive	Uniprise	SFC-LCU-09	EA.	20
Lucent Primer	Systemax	700002181	EA.	1
Lucent Breakout Kit	Systemax	700004146	EA.	1
18x18x6 nema 3R J-box	Systemax	700006117	EA.	1
Solid Wall Penetrations (core drilling equipment)	Systemax	A18R186	EA.	1
E2510-48G SWITCH	HP	J9280A	EA.	4
HP X120 1G SFP LC LX Transceiver	HP	J9143B	EA.	1
HP E2615-8-PoE Switch	HP	J9565A	EA.	3
2RU 1500 VA UPS	APC	SUA1500RM2U	EA.	1
Misc Hardware			EA.	1
24-4P 5e CMP DataPipe 1BX, White	Comscope	CMX 4-pr in/outdoor BX	LOT	4.0
outdoor wireless AP	Ruckus	901-7762-US01	EA.	1
Insert C5E 568A/B <i>WORTH</i>	Uniprise	UNJ500-IV	EA.	3
Wallplate, single gang, 2 port, <i>WORTH</i>	Uniprise	UNF-D-2P-IV	EA.	6
premium support for AP	Ruckus	907-7762-0002USE/EA.	EA.	3
ZONE DIRECTOR 1100	Ruckus	901-1106-UN00	EA.	3
premium sppt for ZoneDir	Ruckus	904-1106-0002US	EA.	1
Cat 5 LAN protector	Ruckus	CATS1LAN	EA.	1
Solid Wall Penetrations (core drilling equipment)			EA.	3
Total Materials				4

24,283.39

Labor

Description

Telecommunication Apprentice/Helper/Installer	HR	745	41,425.00
Electrician/ BICSI Certified	HR	80	4,400.00
Project Mgr.	HR	8	360.00
Total Labor			46,185.00
Sub Total			70,468.39
Tax 6.625%			4,668.53
Permit			0.00
Total			75,136.92