



HIGHER SPEED Internet

9/2/13

Zorro Ranch
Attn: Brice Gordon

RE: Zorro Ranch Internet Connectivity

Mr. Gordon,

Pursuant to your request for quotation we are pleased to offer you the following quotes. These quotes are broken down into four distinct quotes because there are four parts to this project.

- 1) Install microwave link from the tower I own on Sandia Crest to the main house. The cost for an unlicensed 5.8 GHz link will be \$3000. This link will be able to provide you the 10-15 megabits that you are looking for. It may also be able to accommodate 50 megabits download. The time to deploy this link is within the month.
 - a) As an alternative a FCC licensed link may also be purchased. The FCC licensed link we are suggesting is capable of delivering 50 megabits per second download no problem. The benefits of a FCC licensed link are that it is free from any interference that the unlicensed 5.8 GHz spectrum can be susceptible to. The cost to deploy a FCC licensed link will be \$20,000.00 and time to deploy is approximately three months, due to frequency coordination with the FCC.

Either solution presented to be deployed; ownership of the link will be Higher-Speed Internet's. The benefits of Higher-Speed Internet owning the link is that we will monitor the link for optimal performance and make modifications to the system as we deem necessary to deliver you the bandwidth you require. The mount for the dish, at Zorro Ranch, of either solution is the responsibility of the client with collaboration from Higher-Speed Internet.

- 2) Install a 5.8 GHz MIMO link from the mechanical building to the fire house at Ranch Central with included 2.4Ghz wireless access to the area. Install 5GHz MIMO system at the mechanical building for internet access to the staff cottage and lodge. The cost to perform this will be \$3750.00. Time to deploy this system will be within a month. Ownership of this system will be that of Zorro Ranch.

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Mailing Address: P.O. Box 220, Edgewood, NM 87015
Physical Address: 2304 Old Route 66 W., Moriarty, NM 87035
Website: www.higherspeed.net

Office: (505) 867-3298
Fax: (505) 212-0000
E-mail: info@higherspeed.net

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- 3) Install individual buildings with access to the internet. The cost to install each building will be \$300. For example the systems at the staff cottage and at the lodge will be \$300 each to install. If it is deemed necessary to install a system on the red house, the yellow house, and the other buildings in Ranch Central, each building will cost \$300. This cost is inclusive of battery backup protection and exclusive of any routers desired inside the buildings, or structure network cabling. Ownership of the equipment deployed at each location will be that of Zorro Ranch.
- 4) Internet access fee will be \$500 per month for 10 megabits per second download, \$750 per month for 15 megabits per second download, and \$2500 per month for 50 megabits per second download per month.

Please see the attached design drawing I came up for this project. It may help you to understand what it is we suggest doing for you to provide the Ranch the internet it desires.

If you have any question regarding this quote or the drawing, please call me.

Kindest Regards,

Steven Grabiell
President
Higher Speed Internet



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Pricing Break down

Crest Link 5.8 GHz Unlicensed Link			
2	3' ubnt dishes	329	658
2	3' rf armours	277	554
2	ubtiks 5gHP	160	320
16	4 guys 4 hours mt 493 G with pelican	75	1200
1	Box	260	260
1	misc cable etc	250	250
	total		3242

Zorro Ranch Build-Ranch to House			
2	2' ubnt dishes	147	294
2	ubnt ti rockets	338	676
2	2' rf armours	177	354
2	ubnt ti 2.4ghz rockets	289	578
2	ubnt ti sectors	219	438
1	mt 493 G w/pelican	260	260
12	3 guys 4 hours	75	900
1	misc cable etc	250	250
	tot		3750

Zorro houses e.g.			
1	m5 with mounts etc	300	300
	tot		300



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Equipment Break down
Crest-Main 5.8 GHz House Link



Ubiquiti RD5G34 3' Dish x2



Ubtik with Mikrotik RB 912UAG-5HPnD x1



RF Shield Kit for Ubiquity 3-FT Dish Antenna – UDK5 x2



Mikrotik RB/493 Routerboard 9 LAN / 3 MNI-PCI 300MHZ 64 mB L4 x1



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Equipment Break down Zorro Ranch Build Ranch to House



Mikrotik RB/493 Routerboard 9 LAN / 3 MNI-PCI 300MHZ 64 mB L4 x1



RD-5G30 2' Dish x2



ROCKETM5-TI x3



ROCKETM2-TI x2



Titanium Sector 2.4 GHz x2



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RF Shield Kit for Ubiquity 2-FT Dish Antenna – UDK5 x2



AMO-5G13 x1

Equipment Break down

Equipment on Houses e.g. lodge, staff cottage, red house, yellow house etc.



NB-5G22