

Honen Infrastructure Requirements
Commerce City takes over entire building and adds it to our infrastructure via traffic fibre

Network Hardware

switches	WS-C3650-48PD-S	2	7,117.88	14,235.76
	CON-SNT-WC3654PS	2	639.30	1,278.60
	PWR-C2-640WAC=	2	821.70	1,643.40
	C3650-STACK-KIT=	2	1,016.40	2,032.80
	SFP-10G-SR=	4	416.13	1,664.52
access points	AIR-AP2802I-B-K9	8	519.32	4,154.57
	LIC-CT5520-1A	10	148.12	1,481.15

Connectivity and Telephony

Centurylink PRI/1FB	PRI/1FB Voice	1	1,200.00 per month	1,200.00
City Fibre connection voice router	waiting for build out estimate from fibre installer	1	42,125.00	42,125.00
	ISR4321-V/K9	1	1,540.00	1,540.00
	SNTC-24X7x4	1	522.50	522.50
	SWSS Upgrade CON-ECMU-FL5CUBEE	2	82.50	165.00
	NIM-1MFT-T1/E1=	1	660.00	660.00
	PVDM4-32=	1	770.00	770.00
	L-FL-CME-SRST-25=	2	330.00	660.00
	CP-8841-K9=	50	247.50	12,375.00
	LIC-CUCM-11X-ENH-A	50	99.00	4,950.00
	CON-ECMU-LICXENHA	50	33.00	1,650.00
	UNITYCN11-STD-US	50	38.50	1,925.00
	CON-ECMU-UNITYSTD	50	16.50	825.00
	ER11-USR-1	50	11.00	550.00
	CON-ECMU-ER11USR1	50	2.20	110.00

Power

UPS battery backup	APC SMX1500RM2UNC UPS	1	1,371.56	1,371.56
	APC SMT1500NC	1	844.88	844.88

Cabling

Cat6 network drops	Average per drop	96	275.00	26,400.00
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Server

1U VMWare host	Dell R440 1U Server	1	4,620.00	4,620.00
	VMWare vSphere Standard license	1	962.50	962.50
	VMWare vSphere support	1	385.00	385.00

Hardware Cost Contingency	0.10	12,990.22
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Hardware Project costs

142,892.45

All hardware is on a 5 year replacement cycle.

Annual recurring service costs

14,400.00