

AGENDA ITEM 24

Discuss and take appropriate action on County wireless network.

Jay Schade discussed that the Williamson County Cities Health District (WCCHD) received a \$60,000 TIF grant to be used for redundant connectivity between the Health District Offices. Redundancy is a mandate by the Office of Homeland Security. He recommended that the County use a wireless network instead of using additional T1 lines. The cost to the County after using the grant funds would be \$73,440.00.

Moved: **Commissioner Limmer**

Seconded: **Judge Doerfler**

Motion: To approve the purchase of a wireless network for point-to-point connectivity between County offices (Georgetown, Round Rock, Cedar Park and Taylor).

Vote: 4 – 0

<Attachment>

Williamson County & WCCHD Wireless Network Project

Purpose: Provide point-to-point connectivity between county offices (Georgetown, Round Rock, Cedar Park & Taylor) for redundancy, increased bandwidth and less cost.

In addition, the County has also surpassed its bandwidth capacity and needs to increase bandwidth. The cost of those T1s would be the same as those referred to for the Health District (an additional \$25,200/year)

Motivation: WCCHD received a TIF grant to be used for redundant connectivity between the Health District Offices. Redundancy is a mandate by the Office of Homeland Security. They first looked at leasing additional T1 lines to accomplish the redundancy. The cost of those T1s would be approx \$700/month for each of three lines for a total annual expense of \$25,200. The grant would pay for the first two and half years. After that their budget expenses would increase by \$25,000. With wireless, the annual maintenance is approximately \$5,000 after the initial investment, thus saving \$20,000/year. Besides the cost, additional T1 lines would not provide real redundancy.

The difference in bandwidth between a T1 and the wireless is also significant (T1 = 1.5Mbps, Wireless = 10Mbps). To get the necessary bandwidth from T1s, we would need to get a minimum of 7 T1s (total cost \$175,000/year).

Costs for Wireless Network:

Cedar Park (Annex & Health District Office)	\$25,459
Maintenance Facility (Hub)	\$33,133
Round Rock (Annex & Health District Office)	\$13,892
Taylor Annex	\$7,866
Taylor Health District Office	\$4,178
Georgetown Health District Office	\$9,012
RF Survey – all locations	\$7,000
Sub-total	\$100,540 (could be closer to \$80,000)
Routers (4 x \$3,800)	\$15,200
Sub-total	\$115,740
Three year maintenance (\$5,900/year)	\$17,700
Total Project	\$133,440
Less Health District Grant	-\$60,000
Total Cost to County	\$73,440

ROI: To get the same bandwidth, we would need 7 T1s for \$175,000/year. This would give us a total project ROI of about 9 months (\$133,000/\$175,000), and an ROI on the County's contribution of about 5 months. Figuring ROI simply on replacing a single T1 for each connection still gives us a total project ROI of about 5 years and an ROI on the County's contribution of less than 3 years. If we assume that both WCCHD and the County would acquire separate T1s, obviously the ROI would be half that.

Best case: \$113,440 (county portion \$56,720)

approved 8-5-03
John C. Daefler

Worst case: \$133,440 (county portion, \$73,440)

AGENDA ITEM 25

Discuss and consider 2003/2004 County budget.

There was no action taken on this agenda item.

AGENDA ITEM 26

Discuss and take appropriate action on County tax rate, including but not limited to taking a record vote on proposed tax rate.

Moved: **Commissioner Hays**

Seconded: **Judge Doerfler**

Motion: To approve an effective tax rate plus 3% equal to .481810.

Vote: 4 - 0

AGENDA ITEM 27

Consider setting date and authorizing publication of public hearing on tax rate.

Moved: **Judge Doerfler**

Seconded: **Commissioner Limmer**

Motion: To authorize publication of public hearing on tax rate to be held September 2, 2003 at 10 a.m.

Vote: 4 - 0

AGENDA ITEM 28

Consider adopting new polling locations for election precincts 275, 301, 305, 330, 371, 390, 425, 463, and 489.

Moved: **Commissioner Hays**

Seconded: **Judge Doerfler**

Motion: To approve the adoption of new polling locations for election precincts 275, 301, 305, 330, 371, 390, 425, 463, and 489.

Vote: 4 - 0

<Attachment>