



MEMO

To: Acting Village Manager – Jim Weinand

From: Brad Gomberg

Date: 10/17/2017

Re: Fiber Network Expansion Project

Mr. Weinand,

The Village currently utilizes a combination of private point-to-point wireless, VPN, and ISP provided MPLS circuits to provide for network connectivity between sites. The paid services currently cost the Village approximately \$24,000 per year with potential increases every 3 years. The proposed project will run a new, multi-pair fiber network between the municipal complex and the three primary remote sites (901 N Old Dixie, 399 Seabrook Rd, 136 Bridge Rd). This will be a permanent installation that will offer several benefits to the Village. After installation and testing is complete, we can begin the process of migrating from paid services to the new private network as those services come off contract. The migration will take approximately two years, after which, the Village will save the \$24,000 a year, with an ROI of 8 years from approval. This calculation includes an FEC annual lease of \$3,000 per year that is required as the fiber must run under the tracks at Old Dixie HWY. In addition to the cost benefit, the fiber offers exponentially higher bandwidth and simplicity, which will allow the IT department to offer services that were previously not possible. This includes additional disaster recovery options, as well as operational efficiencies such as operating the Water Plant from the EOC in an emergency. I appreciate your consideration of this proposal.

Note: As mentioned previously, this project is contingent on approval of a perpetual lease agreement with FEC to grant the Village access to the ground-space under the tracks. This agreement will be brought forth to council in a future meeting, as it must be built upon plans, drawn up and submitted, by PCS Inc. as part of this proposal. It is a process that can take several months to complete.

Thank you,

Brad Gomberg
IT Manger