

FY07 Marshfield Infrastructure Update

Marshfield Town Meeting has supported the initiative to build the remainder of the Fiber Network Backbone which connects many remote buildings back to centralized resource centers. Town Meeting allocated \$274K through Capital Budget committee for this project.

ITD is anticipating that the remainder of the project will be started in July and should be complete in November. The schools will be included in this project as will COA, MFD headquarters and the Municipal Airport. The Water Treatment facility and the Harbormaster office as well as four other sites are targeted for Wireless Connectivity in the future.

There are infrastructure projects in the development stages which will lend to the goals of supplying interconnected wireless technologies between buildings and Mobile First Responder Units. Attached is the WAN map as described at Town Meeting. Once this infrastructure is in place recurring connectivity cost should be reduced by approximately \$30K/Yr.

The ROI for this project is in the form of cost reduction through Centralized Management, reduced redundant processes by multiple departments and our ability to offer more services for less money. The project cost will be recaptured in eight years maximum from the reduction of recurring T1 connectivity cost alone. Factor the additional services and technologies Marshfield can leverage going forward and the project cost could be reduced to a four year recovery period.

ITD
Ron P Menard

Marshfield WAN

