

## CableRunner

### *Problem*

With the deregulation of the telecommunications industry and the increased demand for bandwidth, telecommunications companies have been obligated to install more and more fiber optic cable to keep up with demand. With the increased demand there has also been an increase in the amount of construction required to install the cable, which has irritated many commuters, residents and government officials. Communities want increased bandwidth without the required infrastructure. What is the solution?

### *Solution*

CableRunner™ is a new method of installing fiber optic cable in congested urban areas through the use of existing large diameter (>40") storm and sanitary sewer systems. The system uses a two-manned electric cart to attach cable trays to the sewer wall. Available in a variety of sizes and configurations, the CableRunner™ system can meet most communities telecommunications needs

By tapping into the existing sewer infrastructure, CableRunner™ can place fiber optic cable through an entire sewer network. Since all home and businesses have sewer connections CableRunner™ can reach almost any building. Also, using existing sewer lines allows the installation of fiber optic cable without interruption of the aboveground traffic. It is safer and faster than most conventional cable laying systems available today.

### *When & Where*

The CableRunner™ was designed, developed and patented by the municipal sewer company of Vienna, Wien Kanal Abwassertechnologien GesmbH (WKA), to use their existing combined sewer system to carry fiber optic cable. The city of Vienna is an old city with narrow streets and historic buildings. With limited space and time constraints, using the existing sewer system was the most viable alternative when expanding their telecommunication capacity. To this day their exists over one-hundred fifty miles of fiber optic cable running through Vienna's sewers. The CableRunner™ system has also been used extensively throughout other cities in Europe.

### *Speed*

CableRunner™ can safely place over five hundred feet of cable per day. That's it. There is no need to repair damaged streets or replace torn-up sidewalks.

### *Safety*

To date there have been **zero** workplace accidents. There has not been one injured worker or damaged utility line while using the CableRunner™. In comparison to regular trenching methods, CableRunner™ avoids the collapsing danger of open-pit construction. CableRunner™ excels over horizontal drilling in the sense that the operator can see exactly where the cable is being placed, unlike horizontal drilling which can veer off course and damage existing underground utilities.

### *Flexibility*

The CableRunner™ system is very flexible. Just as every installation is different, so are our customers' demands. Depending on the needs of the customer, we can customize the capacity of our fiber carrying conduits. The era of one size-fits-all is over.

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