



Date : August, 2016  
 End User : University of Iowa  
 Installer : Gerard Electric  
 Venue : Iowa City, IA

## Case Study

### Application: Trenching (9 Conduits)

The University of Iowa needed to improve service in its medical building. To accomplish this they had to run cables from the nearest maintenance hole to the building. Vis Divide was chosen for the job because the university often shares conduit capacity with the city of Iowa City and wanted to ensure additional capacity. The university chose to use trenching for placing the conduit due to the direction and ground contours. In this install, nine 2-inch, 2-cell conduits were placed in a 4 foot trench that ran 170 feet.

Gerard Electric performed the installation. First, the trench was dug and the Vis Divide was cut into 9 pieces at 180' each. Next 9 holes had to be drilled in concrete at the entry end and exit end of the trench. Finally, the Vis Divide was placed in the trench and each piece was threaded through the drilled holes. Bushings were used to hold the conduit securely in place and prevent water from entering the maintenance hole or building.

One 288 strand fiber was pulled into each of the nine conduits, leaving 9 channels for future expansion. The cables were pulled by hand so the pulling tension was not measured. The contractor was pleased with the cable pull and plans to use Vis Divide on future projects.



UNIVERSITY OF IOWA



VIS DIVIDE INTO BUILDING

Product		Trench Details			Cable Installation			
Vis Divide Style	Section	Trench Depth	Pull Length (Feet)	Number of Sweeps (Degrees)	288 strand Fiber O.D. (Inches)	Time (Min)	Tensions (Lbs)	Final Fill Ratio
9 x 2" 2-cell	1	4'	9x170'	1-45°	.75"	<60 mins	placed manually	14.9%

# Vis™ Divide Case Study



TRENCH READY FOR INSTALLATION



CUT VIS DIVIDE



PREPARING VIS DIVIDE TO BE PLACED



HOLES DRILLED FOR MAINTENANCE HOLE ENTRY



VIS DIVIDE IN TRENCH



SIZING BUSHING