

## Project Examples

### Using Global Positioning Systems

In these two pictures, the engineering department intern Michael Warner, a local resident attending University of New Hampshire, is surveying the actual boundaries of Milton with a Global Positioning System (GPS) backpack unit. The GPS enables the Town to put important data into an electronically-accessible format. The GPS system can also be used for mapping out utility (gas, water, sewer) locations, surveying a part of the sewer system for a particular project, or surveying the water valves to determine the exact location of a water line. This is a great example of the Engineering Department's efforts to incorporate the newest technology into their projects.



### Traffic Study for Grant Application

To the right and also below, you can see intern Justin DeMello, a local student from the University of Massachusetts, installing a traffic counter on Brook Road. This traffic counter is shared between departments and owned by the Police Department.



The information collected from this study was used in a grant application for the MA Highway Department's footprint roads pilot program. This is a new program that will allow the Town of Milton to develop better bicycle/pedestrian ways in addition to addressing the infrastructure located under the road. At this time, we have our fingers crossed and are waiting to hear from the state.