



City of Cambridge

DEPARTMENT OF PUBLIC WORKS

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May 22, 2007

John Dicarlo
Dicarlo Precision Instruments, Inc.
2006 Northwood Drive
Salisbury, MD 21801

RE: TopCON GPS System

Dear Mr. Dicarlo:

This letter is in regard to the TOPCON HiperXT system we recently purchased from you. A lot of time has been spent using this unit and I'd like to take this opportunity to thank you for recommending this unit as well as give you some feedback on the performance of the GPS system in general. We've done many small surveying/locating projects, one large GIS project consisting of over 3,000 points, as well as a few design and stakeout projects. The GPS system has saved a lot of time, not to mention the ease of use for a 'one person' crew. Your technical staff has been exceptional through our learning process. Often the service is immediate.

As to the performance of the system, we've also been quite impressed. Your technical staff thoroughly explained the benefits *and* limitations of a GPS survey system both prior to and in our training sessions. Often, in most cases, we've found that collecting points at or below 0.03' horizontal and 0.04' vertical estimated accuracies takes less than 5 seconds. We've found that, in general, the limitations of collecting points with GPS under tree cover or against buildings to be as expected. At times we have been able to collect points in and under heavy tree cover and against buildings, while still maintaining a fixed position lock. The only ongoing problem we've experienced with the system is dropped data links between the rover and your server which I believe is a Verizon mobile carrier issue. This is usually corrected by re-establishing the data link. Overall, we are very pleased with the system and the service Dicarlo has provided.

Sincerely,

Dale C. Price, III
GIS Specialist
City of Cambridge