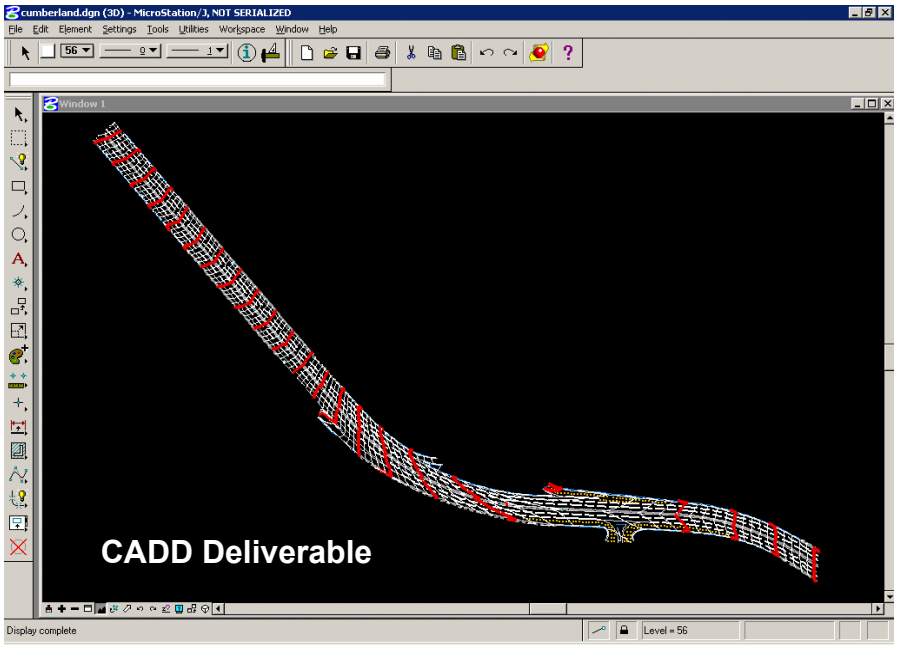
I-68



Client/Owner: Maryland State Highway Administration
Project Location: Cumberland, Maryland

GPI was contracted by Maryland State Highway Administration (SHA) to provide precision mapping on route I-68 in Cumberland, Maryland to meet a fast track delivery schedule. Interstate I-68 through Cumberland is a very dangerous section of roadway. Traveling eastbound down a 6% grade the road passes through a reverse curve with multiple onramps and exit ramps. This section is notorious for tractor trailer accidents because of the roadway gradient and curves. SHA wanted to exactly match the existing cross slope which through trail and error has taken numerous years to perfect as passes through the reverse curve. SHA required precision mapping along this 3000 foot section because new pavement was to be overlaid. SHA estimated conventional survey methods would require two weeks to complete the field locations. The traveling public along this section would have been exposed to roadway shutdowns throughout this time. SHA thought that the potential, because of this dangerous location, for accidents and loss of life had very high probability.

GPI was able to utilize its precision mapping techniques to provide a surface model to survey grade accuracy modeling the exiting cross slope without any lane closures. In order to meet the fast-tracked delivery, SHA used GPI's GPS with instant RTK to acquire the photo control. GPI, by fast tracking its in-house photogrammetric personnel, delivered a MicroStation DGN and InRoads DTM within one week.

Completion Date: 2002