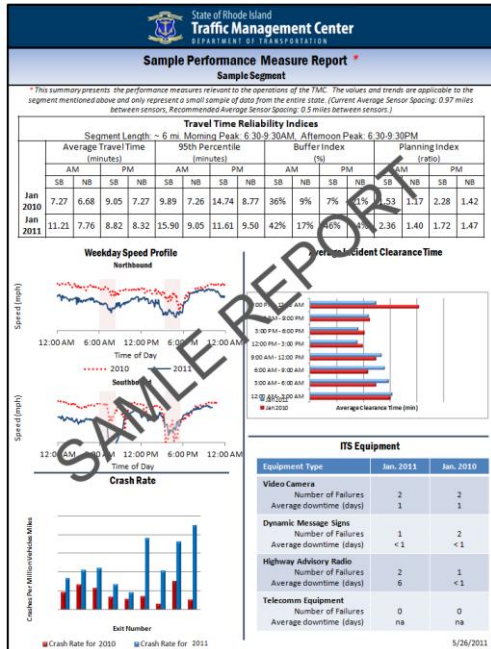


# Professional Services & ITS Technical Support Transportation Management Center Rhode Island Departments of Transportation

Duration: 2009-2013  
Project Cost: \$5,000,000  
Firm Fee: \$500,000  
Role: Sub-consultant

TrafInfo Communications, Inc. (TrafInfo) is a sub-consultant on a multi-year on-call Professional Consulting Services and ITS Technical Support contract for the Rhode Island Department of Transportation (RIDOT) Transportation Management Center (TMC).



A major task assigned to TrafInfo was the development of Performance Measures to help RIDOT evaluate the benefits derived from the TMC. This included a comprehensive assessment of all data elements currently collected by the TMC, both through manual operator entry as well as automatic data collection from ITS sensors. TrafInfo evaluated the various data elements for accuracy and reliability. Based upon a review of similar activities in other states, a set of performance measures were selected. Additional performance measures were identified for implementation over the long term with recommendations on additional data items to be collected and the procedures to collect them. The performance measures include the FHWA Travel Time Reliability Measures including Buffer Index and Planning Index.

TrafInfo is working on integrating real-time traffic data from private source including Traffic.com and INRIX into the RIDOT's traffic data processing system for both performance measurement as well as for display of real-time travel times on Dynamic Message Signs (DMS). Software written in PHP was developed to communicate with the INRIX and Traffic.com real XML data feed as illustrated below.

