



Figure 1: Comparison of Average Time until Roadway Clearance was achieved for 2007 through 2009.

-Note all activation, arrival, notice to proceed, and clearance times were rounded to the nearest minute.

- Source: 2007 Traffic Management Center (TMC) GA Navigator Log, 2007 Highway Emergency Response Operator (HERO) Log, 2008 TMC TRIP Incident Log, and 2009 TMC TRIP Incident Log

From 1/1/09-3/29/09: 20 TRIP incidents occurred during calendar year 2009. Of the 20 incidents only the incidents that landed within one standard deviation of the average would be taken into consideration for analysis to eliminate outliers that may skew the results. It was found that the average of the 20 incidents was 1:30:45 and the standard deviation was 0:41:48. With this the only incidents that have a Total Roadway Clearance Time within 0:48:57 – 2:12:33 shall be considered in the analysis. Of the 20 incidents 16 fall within the first standard deviation and therefore will be the incidents used in the analysis. The average time of incident for the 16 incidents within the first standard deviation was 1:31:45.

From 1/1/08-12/31/08: 59 TRIP incidents occurred of them 3 were disregarded due to inaccurate time keeping and 4 were disregarded because the incident was a roll out (a whole incident worth of data was not collected). This reduces the number of incidents to perform analysis on to 52 incidents. Of the 52 incidents only the incidents that landed within one standard deviation of the average would be taken into consideration for analysis to eliminate outliers that may skew the results. It was found that the average of the 52 incidents was 2:15:49 and the standard deviation was 1:56:05. With this the only incidents that have a Total Roadway Clearance Time within 0:19:44 – 4:11:54 shall be considered in the analysis. Of the 52 incidents 46 fall within the first standard deviation and therefore will be the incidents used in the analysis. The average time of incident for the 46 incidents within the first standard deviation was 1:45:34.

From 1/1/07-9/12/07: 27 Potential TRIP incidents occurred. Of the 27 incidents only the incidents that landed within one standard deviation of the average would be taken into consideration for analysis to eliminate outliers that may skew the results. It was found that the average of the 27 incidents was 4:58:00 and the standard deviation was 2:16:55. With this the only incidents that have a Total Roadway Clearance Time within 2:41:25 – 7:15:15 shall be considered in the analysis. Of the 27 incidents 21 fall within the first standard deviation and therefore will be the incidents used in the analysis. The average time of incident for the 21 incidents within the first standard deviation was 4:20:34.