

More than a GPS

Asides from being a superb traffic monitor our application features a variety of additional functions.

Police Monitoring

Allows for users to input information about recent police activity in order to warn and notify other users.

Social Media Integration

Integrates with popular social media services such as Facebook, Twitter, Yelp to give recommendations of popular locations.

Voice Activation

Using your smartphone's microphone the application reduces distraction by learning your voice patterns and accepting various commands via voice.

Personalized Music

Music can be personalized based upon location, weather, traffic, and preference.

Scenic Route

Gives the option for a longer, yet more scenic route, with minimal traffic.

Frequent Updates

We provide free updates to ensure that our traffic monitor never goes out of date.

System Requirements

Our application has been optimized for a 16:9 aspect ratio.

Supported Internet Browsers:

Internet Explorer (8+)

Google Chrome (38+)

Safari (7+)

Mozilla Firefox (35+)

Java & Flash must be installed

The Android (version 2.2+) application requires 50 MB of space and requires an active Internet connection. A GPS chip is recommended.

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TRAFFIC MONITORING PROJECT

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An efficient and elegant traffic monitor

Our traffic monitor focuses on solutions facing current GPS systems: effective traffic monitoring. Our application uses known traffic patterns to accurately anticipate current and future traffic patterns. Our system revolves around 3 primary specifications:

Historic Traffic Patterns
Weather Conditions
Time of Day

These 3 specifications are used in combination to show the user the fastest route to their destination.

Furthermore, our app promotes user participation, through user traffic reports and police reports.

Our website contains a variety of options. Currently our monitoring services provide support for only New Jersey, however we plan to expand gradually in the near future. The user can choose to select from 3 different regions, North, Central, and South. Additionally they can also select from 8 main roads that account for the majority of commutes. These roads include i78, i80, i195, i287, i295, Atlantic City Expressway, Garden State Parkway, and NJ Turnpike. After selecting from a region or road the user selects a day selection, weekday or weekend, and weather condition. After choosing from these options clicking the view statistics will display an updated map with update traffic conditions. To further specify the map the user can select the time of day and get an updated map.

The application gives us a map with different colored pins each corresponding to different levels of severity. These pins will guide users in the correct route to take to a destination.

There are also 3 other options, User Report, Police Report, and Submit Incident. User Report displays user-inputted details, ranging from accidents to potholes to closed roads. Police Report is another user-inputted detail that displays police presence. Lastly, Submit Incident is where users can actually create these reports.

