CNTM

SPM

Signal Performance Measures (SPM)

Centracs® SPM provides incredibly rich data analytics tools by building from the high-resolution data capabilities of modern controllers. Centracs SPM is a cloud-based software application designed to present this data in a user-friendly, easily accessible manner to elevate the role of the Traffic Engineer.

Centracs SPM improves operational efficiencies of traffic signal management by providing high-resolution data that supports the development of performance-based strategies. With this functionality, transportation agencies are able to proactively optimize traffic signal programming based on timely and accurate information, and eliminate the cost of manual traffic counts.

Centracs SPM clearly identifies areas of concern through the incorporation of heat maps which focus the attention of the Traffic Engineer, and tools that quickly resolve issues and restore traffic back to optimum conditions.

Key Features

- Cloud-based access from any place, on any platform, and at any time

- Measure charts, user-selectable data parameters, and user-defined performance metrics comparisons

- State-of-the-Art analysis tools that allow for more efficient and effective use of staff resources

- Transforms qualitative and quantitative data into actionable information

- Continuous data management to signal management and operations

● ECONOLITE
part of **Umovity**

Centracs SPM: Capabilities and Key features
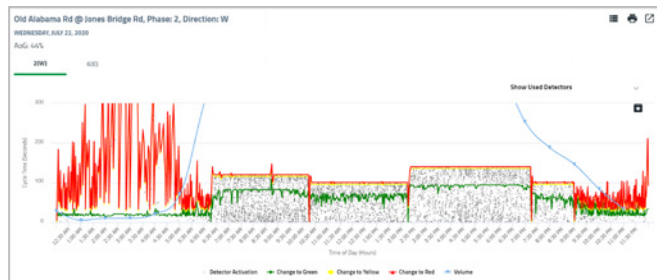
SPM Module Interface

Access to your data has never been easier. Centracs®
SPM offers more than 20 different data set charts and
graphs to help agencies proactively manage network
performance on a daily basis. These data sets allow
Traffic Engineers the ability to make critical decisions
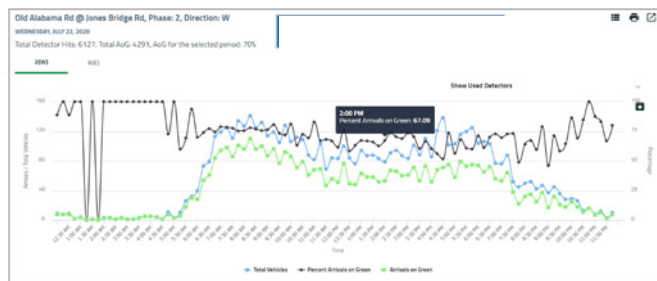with greater ease and efficiency.

Key Features

- Improves operation efficiencies
- Provides high-resolution data for
  performance-based strategies
- Reduces or eliminates costs of manual
  traffic counts
- Provides new levels of mobility and safety
- Has continuous monitoring
- Provides real-time incident information
  and travel time (where available)

Arrivals on Green

Purdue Coordinator Diagram

Vehicle Delays

Available Data Sets

- Arrivals on Green
- Arrivals on Red
- Arrivals on Yellow
- Congestion Delay
- Control Delay
- Cycle Length
- Daily Split Failure
- Flow Rates
- Green Times
- Longitudinal Split Failure
- Occupancy Ratio
- Pedestrian Delays
- Percent Pedestrian
- Preempt Requests and Services
- Preemption Details (EMV / Rail)
- Purdue Coordination Diagram
- Queue Length
- Red Light Running – Bicycles
- Red Light Running – Vehicles
- Split Failures
- Split Monitor
- Total Pedestrian Cycles
- Transition Duration
- Volume to Capacity
- Yellow and Red Actuations

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