Bharatiya Global Infomedia Ltd.

Product Presentation

Our Aim~

*Connecting Intelligence...*

Document Prepared By - Product & Sales Team
• Electronic Toll Management System
• Automatic Traffic Counter-cum-Classifier
• Traffic Survey Solution using ATCC.
- Loop Sensors
- Piezo-Electric Sensors
- Pneumatic Tube Sensors
Detecting axles with rubber pneumatic tube is easily the most cost-effective traffic sensing method, especially for short-term surveys.

Pneumatic tubes are cheap, accurate and reliable and operate effectively over a huge range of environmental conditions.

Through the world all detailed vehicle class schemes are based on axles.

Only axle detectors give precise details over the entire vehicle spectrum, from motorcycles to heavy vehicles.
• Portable Road-side Units: used for Survey applications.

• Fixed Road-side Units: used for Toll plazas.
Specifications

• One Road-side Unit
• Pneumatic Tube Sensors
• Collect Data with a Tube Spacing as Small as 4 Inches
• Records Data for Volume Class, Speed, Gap & More
• Ideal for 2-lane uni-irectional.
• GPS Compatible - Be sure your studies are done at the correct location.
• USB Downloading - Download Your Data with Ease
• Analyze Time-Stamped Basic Data
• Process Per Vehicle Table Information
• Create Custom Report Layouts
• Produce a Wide Variety of Reports - in Several Formats
• Graph Data With Unparalleled Flexibility
• Time, lane, speed, classification, gap & following distance from previous vehicle, and axle spacing.
List of Points to Consider

- Traffic should be traveling at a constant speed.
- Avoid steep inclines, traffic signals, intersections or bends.
- Avoid where vehicle stops over the sensors.
- Roadside units should be secured properly on the side tree or pillers.
- Laying, Installation, fixing of traffic sensors should be done carefully.
**Operator Equipments** – Touch/Non Touch LCD Monitor, ID Card Reader, Receipt Printer, Operator Console, Cash Drawer etc.

**Vehicle Class Detector** - Magnetic Loop, Treadles

**Lane Controller**- CPU and interfacing, data Network

**Display**- Canopy Sign, Fare Display, Traffic Signal etc.

**Barrier**- Manual or/and Automatic Barrier

**Ticket Reader**- RF Transponder, card Reader etc
BGIL Product Presentation

Toll Management System: Process Flow

- To control the lane hardware, automating the process of opening/closing the barriers, detecting vehicles along the lane, etc.
- To capture the digital image of the vehicle with every transaction.
- To allow for issue of RFID Smart card including storing of Vehicle details in Card
- Collection of money, enabling the Toll cashier to receive and handle money.
- Release messages for the incoming visitors like lane open, close status and number of Toll available
- To provide online feedback to the plaza level in order to continuously report the status of the various lane devices, and the current operational status, including shift information.
Toll Management System : Software Overview

**MENUS OF PROGRAM**

- **Main Menu**
  - Masters
    - Plaza Information
    - Lane Master
    - Operator/Other Employee Master
    - Shift master
    - Position Master
    - Vehicle Class Id Master
    - Class & Fare Table
  - Supporting Transactions
    - Employee Allocation (default)
    - Roster Setting
    - Pass Issues
  - Main Transaction
    - Logon History
    - Traffic History
    - Hourly/Daily Income
    - Non conformity/Violations
    - Discrepancies Collection
    - Transaction History
  - Reports
    - Status Panel
    - Control Panel
    - Log Files
    - Backup
  - Admin Module
    - Status Panel
    - Control Panel
    - Log Files
    - Backup

**Example Screenshot**

- Main Menu with graphical interface showing various sections and options.
• BGIL have a broad range of products which enables us to provide solutions for a diverse customer base. In addition, we stand behind the quality of our products, leading to customer loyalty and repeat business.

• We have a staff of dedicated professionals with more combined knowledge and experience than any other in our industry.

• We will continue to be a leading presence in the traffic engineering industry.

• We will continue to make your interaction with us as quick and efficient as possible.

• We will continue to provide service and support that is second to none.

• We will continue to develop new and exciting products to make your job easier.
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- Hindustan Unilever Limited
- Haldiram's
- Hindustan Times
- Ministry of Home Affairs
- EvaluateServe
- ICICI
- Delhi International Airport
- Infosys
- Ministry of Defence
- Tulip
Thanks You