



i:TS Intelligent
Traffic Systems

Product Catalogue

WHAT WE OFFER

DESIGN & BUILD

i:TS can help you find the best and most cost effective solution to your traffic management issues. We have extensive experience, technology and resources at our disposal that will enable us to design, build and even install the right solution for you.

PROJECT MANAGEMENT

Our experienced in-house Project Management team can take full control of your traffic management solution projects to ensure that projects are completed on time and within budget, from manufacture to installation, for optimum product functionality.

SERVICE & MAINTENANCE

Regular and competent service and maintenance of traffic management products is a cornerstone of increased product life, functionality and return on investment. As designers, manufacturers and installers of traffic management solutions, i:TS is best placed to deliver high value service and maintenance works for those products.



ENHANCED SAFETY PRODUCTS

- Enhanced Road Signs
- Fixed Static LED Signs
- LED Enhanced School Zone Signs
- Driver Feedback Signs
- Portable Variable Message Signs
- Speed Indication Device Signs
- Vehicle Activated Speed & Warning Signs
- Vehicle Over-Height Detection
- Portable Light Towers

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Mobile Variable Message Signs

PCMS-4880RC



**SUITABLE FOR APPROACHING
VEHICLE SPEEDS UP TO 50 KM/H**

PCMS-548VT



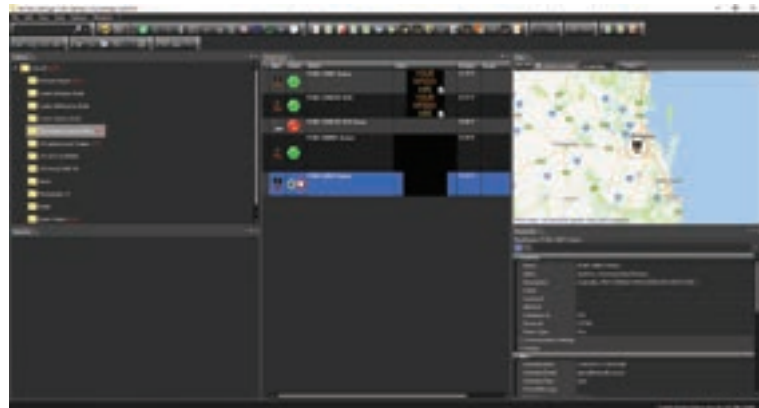
**SUITABLE FOR APPROACHING
VEHICLE SPEEDS UP TO 60 KM/H**

State of the art full-matrix trailer-mounted portable variable message signs. Features the Opti Power lens, tilt and rotate solar panels, Jamlogic fleet management software (modem required) and Stealth Technology (except the colour version). These units combine energy-efficient design and high-quality construction to provide the most reliable and cost-effective message signs on the market. Built with a compact design which makes it perfect for use on highway construction projects where space is limited as well as urban areas.

JAMLOGIC FLEET MANAGEMENT SOFTWARE

Our high speed modem with GPS allows you to maximise your productivity, efficiency and profitability, all remotely from your office or home. The JamLogic software is FREE and you get all the updates at no extra cost.

- Monitor, maintain and manage your signs from any PC, laptop, tablet or smartphone
- View your equipment in a list and GPS map view
- Change a message on one or more signs simultaneously with a simple click
- View your messages and battery voltages
- Group your signs in folders (by customer, location, project... the choice is yours)
- Receive e-mail or text alerts (low battery, cellular failure etc)



PCMS-320RC



PCMS-320RTRC



SUITABLE FOR APPROACHING VEHICLE
SPEEDS GREATER THAN 90 KM/H

SUITABLE FOR APPROACHING VEHICLE
SPEEDS GREATER THAN 90 KM/H



Mobile Variable Message Signs

ENERGY EFFICIENT DESIGN

- **TILT-AND-ROTATE SOLAR PANELS** - Panels tilt to a 45-degree angle to provide maximum solar recharging all year round
- Designed to run 12 months in most regions without manual charging
- Various configurations of solar panels and batteries are available to meet your needs

HIGH QUALITY CONSTRUCTION

- **Powder coated superior finish** - Impact, humidity, salt spray and rust resistant
- **4 levelling jacks** - For stabilisation and easy transportation
- **Electro-hydraulic lift mechanism** - For quick and effortless deployment
- **Heavy-duty molded fenders** - For durability and easy replacement
- **Plastic battery boxes** - To minimise battery corrosion
- ***Lockable control box** - For security (*VT models only)
- **50mm tow ball housing** - For easy towing

MARKETS

- Highway maintenance / construction
- City and regional councils
- Department of Transport
- Special events (concerts, sporting, festivals)
- Law enforcement
- Traffic management
- Work zones

JAMLOGIC WEB APPLICATION FOR SMART DEVICES



State of the art technology replacing the need for an on-board controller. Change your message, set parameters, check battery status and so much more from any smart device. There are two options for connectivity:

- Direct Wifi connection within range of the sign
- Logging in to the web based internet application

Contains all of the menu options you can see via your pc or laptop. Couldn't be easier!



DIMENSIONS AND WEIGHT

	PCMS-4880RC	PCMS-548VT	PCMS-320RC	PCMS-320RTRC
Overall Length	1899mm	3565mm	3747mm	3829mm
Overall Width	1487mm	1791mm	2096mm	2096mm
Travelling Height	2356mm	2417mm	2754mm	2845mm
Operating Height	4076mm	4081mm	4584mm	4705mm
Axle / Suspension	909kg	907kg	1588kg	1588kg
Weight (approx.)	628kg	580kg	939kg	1080kg

STEALTH TECHNOLOGY



Cleverly hidden battery compartment
- Deter thieves from stealing batteries
*Except RTRC models



Long lasting sealed batteries
- No maintenance required



- 1-year warranty on complete trailers
- 2-year warranty on Ver-mac manufactured electronics

Light Towers

PPL-1000



UP TO 14K LUMENS

PTL-1000



UP TO 14K LUMENS

The PPL-1000 and PTL-1000 are compact, battery powered portable presence and target lights. Presence lighting allows the motoring public to visually see from a distance an upcoming night time lane closure. The system is quick and easy to set up and does not require a diesel generator to power. They feature ultra bright LED lamps with Ver-Mac's exclusive Nightbrite Technology, providing a brighter and more environmentally friendly lighting system. Equipped with high performance lithium batteries and fast-charging system, these quality units will perform night after night. The presence of lighting reduces motorist's speed, approaching and through the work zone, increasing safety for motorist's and workers alike.

PSLT-4000S



UP TO 42K LUMENS

PSLT-6000



UP TO 63K LUMENS

The PSLT-4000S and PSLT-6000 are compact and powerful portable solar light towers that are cost effective and have a great return on investment. They are as visually bright, effective and compact as conventional diesel light towers, without costing thousands of dollars every year in fuel and labour. They feature ultra bright LED lamps with Ver-Mac's exclusive Nightbrite Technology, providing a brighter and more environmentally friendly lighting system. These quality units are ideal for lighting construction work zones, parking lots, special events, emergency response plus oil and mining applications.



- ✓ • NO NOISE
- ✓ • NO SMELL
- ✓ • NO FUEL EMISSIONS

Light Towers

1000 Series Features/Benefits

- **Nightbrite Technology** - Innovative exclusive LED fixture design provides increased brightness using less power consumption
- **Clear and Bright LED Lamp** - Long lasting and durable LED lamp provides targeted lighting with minimal light pollution and reduced glare
- **Compact Design** - Tripod legs quickly fold for easy set up and storage. Telescoping mast quickly raises to several heights up to 4300mm and stores neatly in storage box. Easily roll or carry the PTL-1000 to the desired project location and turn it on
- **High Performance Batteries** - Maintenance free high-powered LiFePO4 lithium batteries provide long lasting power with a high life cycle. They are non-toxic, non-contaminating and contain no rare earth metals, making them environmentally friendly
- **Charging System** - Intelligent LiFePO4 600watt fast charging system charges the batteries in less than 3 hours. Simply plug into an outlet or generator and the LED indicator light will notify you when it is charged
- **Adjustable Light Settings** - Adjust the brightness of the light to meet your application needs. A fully charged system can run from 10-30 hours depending on the brightness setting
- **Photocell** - Detects light and automatically shuts off the unit
- **Lockable Mast** - Secure your unit by adding a padlock
- **Eliminate Generator** - Reduce labour to the set up by 50% and eliminate fuel and maintenance costs. No fuel emissions and engine noise to harm the environment



Trailer Series Features/Benefits

- **Nightbrite Technology** - Innovative exclusive LED fixture design provides 40% increased brightness using the same power consumption, compared to other solar light tower systems
- **Clear and Bright LED Lamp** - Long lasting and durable LED lamps provide targeted lighting with minimal light pollution and reduced glare
- **Compact Design** - The innovative solar panel and trailer design make the PSLT-4000S easy to transport and set up without taking up valuable space
- **Intelligent Controller** - Schedule and control the brightness and length of your lighting event. Ver-Mac's easy to use selector switch provides multiple brightness and timing settings
- **Power Platform** - Robust power platform combined with energy-efficient Nightbrite Technology makes it autonomous for weeks in most applications
- **Low Cost Of Ownership** - Save thousands of dollars per year by eliminating fuel, fuel labour, engine maintenance and sodium light replacement
- **Multi-Orientation Solar Panels** - Solar panel tilts to various positions to maximise the performance without having to move the trailer around
- **Environmentally Friendly** - No fuel emissions and engine noise to harm the environment



DIMENSIONS AND WEIGHT

	PPL-1000	PTL-1000	PSLT-4000S	PSLT-6000
Operating Height	5107mm	4424mm	6096mm	7983mm
Operating Presence	2344mm	2021mm	N/A	N/A
Travelling Length	543mm	543mm	3789mm	3789mm
Travelling Width	548mm	548mm	1791mm	2075mm
Travelling Height	1905mm	1857mm	2559mm	2750mm
Weight (approx.)	53kg	41kg	710kg	1225kg
Axle/Suspension	N/A	N/A	907kg	1588kg

APPLICATIONS

- Construction
- Mining, Oil and Gas
- Outdoor Special Events
- Temporary Parking Facilities
- Emergency Response Services
- Utility Companies
- Work Zones



- 1-year warranty on complete trolleys
- 2-year warranty on Ver-mac manufactured electronics

Speed Indication Device Trailers

EVOLIS

EUROPEAN DESIGNED AND MANUFACTURED

With more than 8000 units installed world-wide, the Evolis Speed Indication Device is the product of choice for an all in one radar and data collection device. Not only does it present a sleek European design, it has also been built using the best components giving it a reputation for being one of the most energy efficient and reliable units in the market.

The Evolis Speed Indication Device is easily configured and installed to educate motorists of their travel speeds. It helps to reduce overall excess traffic speeds, particularly in high incident areas. Utilising the optional built in data logger, road asset owners can gather and analyse traffic speed data on specific roads so that they can make informed planning decisions on road safety.

75 watt solar panel with bird prevention edge

340mm high speed digits (red/amber/green)



Large amber text template & ultra-high brightness LEDs

Powder coated orange chassis

Heavy duty corner jack stands (15inch, 1360kgs)

12V / DC 200AH deep cycle battery housing box

Mud guard assembly

LED 12 / 24v tail lights

Number plate light

Secured power supply

Light reflectors

1500kg rated D-shackle with safety chain

50mm tow ball coupling

13 inch tyres white powder coated rims

Draw bar mounted galvanised jockey wheel (907kgs)

FEATURES & BENEFITS

- Anti-corrosion, anti-UV treatment plus unit sealing ensures long term resistance, strength and durability
- Injected ABS resin waterproof housing with integrated hooks
- Lockable permanent mounting bar made of injected ABS resin, mounted on poles with brackets (sold separately)
- Front face made of tough polycarbonate, fixed to the casing with mechanical clip and gasket seal
- Waterproof IP66 housing for 2 batteries, USB port, dial selector and adaptor
- Installed in minutes by one person
- Optional 1 or 2 way traffic flow statistics
- Optional pre-configured speed/text display settings prior to installation
- Accompanying EVOCOM software for settings configuration plus data analysis
- 34cm high speed digits (red/amber/green), a large amber text template and ultra-high brightness LEDs





Optional Extras

- Bluetooth Connection
- 3G Connection
- One way Traffic Flow Statistics
- Two way Traffic Flow Statistics

Radar Sensor

Doppler Radar:	24.125 Ghz
Detection range:	10-250 metres
Detection angle:	17 °
Accuracy:	+/- 1km/h (travelling at 100km/h)

Display

LED:	3 digits
Colors:	Red, Amber and Green
Size of digits:	340mm
Text display (Matrix):	640mm x 160mm (64 x 16 pixels) 1 line of 7 characters 160mm high 2 lines of 10 characters 70mm high
Visibility:	250m
Refresh:	1.2 seconds (configurable)

Housing

Dimensions:	H: 700mm x W: 709mm x D: 170mm
Housing:	Injected ABS resin, grey RAL 7035
Front face:	Polycarbonate
Waterproof:	IP66
Weight:	8kg (without batteries)

EVOCOM SOFTWARE

Advanced Configuration & Statistic Analysis

Evocom PC software, provided free of charge, is featured with a user-friendly interface for advanced configuration: specific speed ranges, speed increments, data recording function (*), text messages, time slots etc...

(*)Data recording function (one way / two way traffic flow statistics) purchased separately.



Settings configuration screen

Vehicle Activated Signs (VAS)

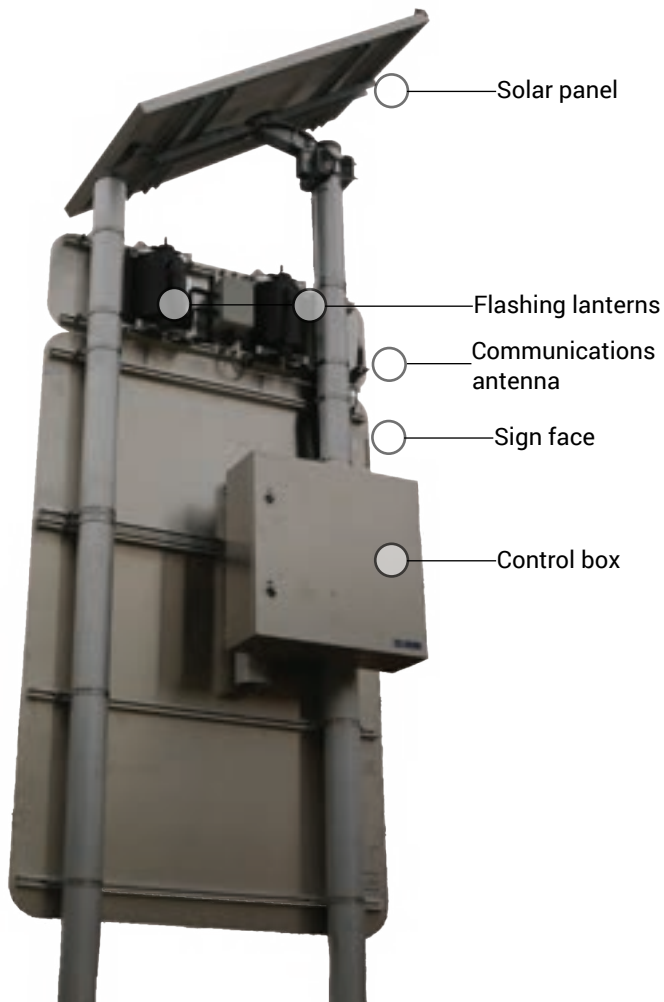
Vehicle Activated Signs offer solutions that provide direct feedback to drivers to give advanced warning of an approaching crossing, curve, intersection or to notify the driver they are exceeding the speed limit within certain areas. These signs can be full LED matrix panels or a combination of a static sign with LED modules. We work with you to design the sign to your requirements and ensure it operates at maximum efficiency and reliability. We come to site to commission the sign and as always offer full technical support following installation.



VAS TO SUIT YOUR APPLICATION NEEDS



EXAMPLE PRODUCT CONFIGURATION



- No maintenance Gel batteries
- IEC 61215 approved solar panels
- Multi-Crystal cell solar panel construction
- AS-2144 compliant Amber LED beacons
- Manual or remote activation
- Stainless steel enclosure
- Australian compliant road signs

SIGN TRIGGERING

- Calender: Set to time / date schedules
- Clock: Set to time schedules
- Radar: Set to vehicle detection
- Constant: 24hrs / day
- Speed: Set to speeding vehicles



Signs can also work in conjunction with a separate base station to detect vehicles

European Designed & Manufactured

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FEATURES & BENEFITS

- Anti-corrosion, anti-UV treatment plus unit sealing ensures long term resistance, strength and durability
- Injected ABS resin waterproof housing with integrated hooks
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Settings configuration screen

ENHANCED STATIC SIGNS

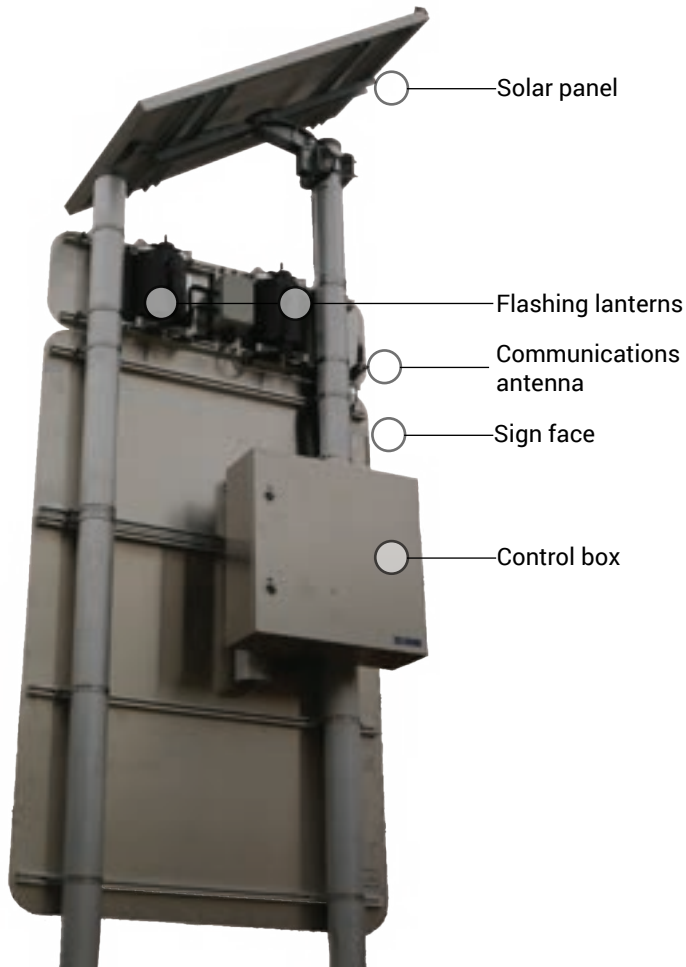
Enhanced Static Signs offer solutions that provide direct feedback to drivers to give advanced warning of an approaching crossing, curve, intersection or to notify the driver of road closures within certain areas. These signs consist of a combination of a static sign with LED modules. They have a proven track record of being more effective than a static sign alone. We work with you to design the sign to your requirements and ensure it operates at maximum efficiency and reliability and complies with relevant Australian standards. We come to site to commission the sign and as always offer full technical support following installation.



SIGNS TO SUIT YOUR APPLICATION NEEDS



EXAMPLE PRODUCT CONFIGURATION



APPLICATIONS

- Flooding
- Cane Railway
- Slippery Roads
- Trucks (crossing or turning)
- Falling Rocks
- Stock Crossing
- Changed Roadwork Conditions
- School, Pedestrian or Roadwork Zones
- Road Closures or Detours
- Traffic Control
- General Hazards

- No maintenance Gel batteries
- IEC 61215 approved solar panels
- Multi-Crystal cell solar panel construction
- AS-2144 compliant Amber LED beacons
- Manual or remote activation
- Stainless steel enclosure
- Australian compliant road signs



FIXED VMS

FLOOD ZONE SIGNS

- Durable IP65 rated enclosures with powder coated finish
- NATA tested and approved LED panels
- Fully autonomous with superior solar/battery combination



TC2204_1





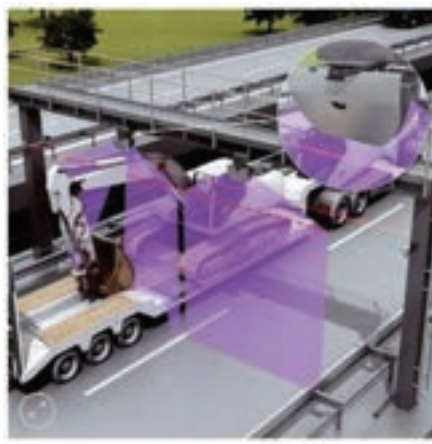
TC2206_3



VEHICLE DETECTION / SENSOR TECHNOLOGY

OVERHEIGHT DETECTION

Preventing high value assets such as bridges and tunnels from being struck by over height vehicles. The solution saves time, money and also many unseen downstream effects that impact business, insurance and the community in general as a result of the asset being stuck. Installing a reliable vehicle over height detection system prior to a bridge or tunnel can instantly activate downstream warning devices that can alert the operator of the vehicle of the danger ahead therefore prompting them to take evasive action. In most cases it only takes the prevention of one significant impact to pay for an entire over height detection system making the return on investment extremely fast.



APPLICATIONS

- Detection of vehicles that are too high to pass under bridges or enter tunnels
- Detection of over height vehicles and corresponding lanes
- Detection of ships or boats that are too high to pass under bridges
- Vehicle travel direction detection
- Wrong Way traffic detection

SYSTEM COMPONENTS

- Infrared beam transmitters & receivers
- Electronic warning sign
- Uninterruptable power supplies
- Inductive traffic loop
- Optional video
- Optional traffic counter



INTELLIGENT SENSORS

Latest technology sensors used for a multitude of applications; pedestrian detection, traffic detection, stop line detection, pedestrian wait area detection, multi-lane roadway detection and more. Sensors can be used to measure vehicle speed, vehicle range, vehicle length, classification, movement and vehicle counts. They can be paired with smart signs to create smart work zones.

Intersection Control



Vehicle Activated Sign Driver



Temporary Applications



Low Power Applications



Vehicle Count



Single Lane Stop Line



Pedestrian Area Detectors



Multi-Lane Highway Detectors



VEHICLE DETECTION / SENSOR TECHNOLOGY

RAIN SENSORS

FLOOD DETECTION AND WARNING SYSTEMS

Flash flooding is increasingly becoming a regular occurrence in Australia so it is becoming a vital requirement to incorporate sensor technology giving motorists advanced warning of potential flood zones. The solution is a combination of technologies, each of which can be used independently or combined to provide a comprehensive monitoring warning system for roads subject to flooding. Smart signs are automatically activated via local water level measurement triggers or rain sensors. SMS messages are sent to notify stakeholders of the road status.



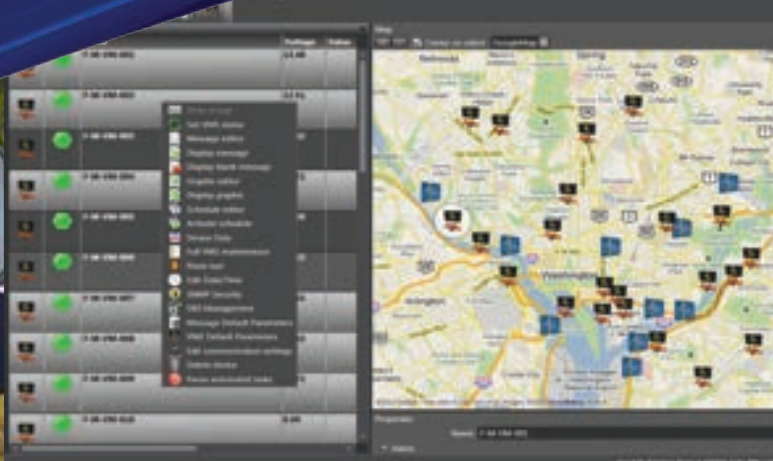
WHO WE ARE

i:TS is a division of Aldridge Traffic Systems, an Australian owned and operated company and is at the forefront of the Intelligent Transportation Systems industry.

In today's traffic environment, static road signs are no longer enough to provide motorists with all the information they require in a relevant and timely manner. This is where i:TS's road management solutions can, in consultation with all stakeholders, tailor a solution for you.

At i:TS we pride ourselves on delivering road management solutions and intelligent traffic systems that provide relevant and timely information or messages to motorists to inform them of the traffic environment ahead of them so that they can make informed decisions ahead of time. Better informed motorists help create safer and smoother traffic flows on our road network.





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