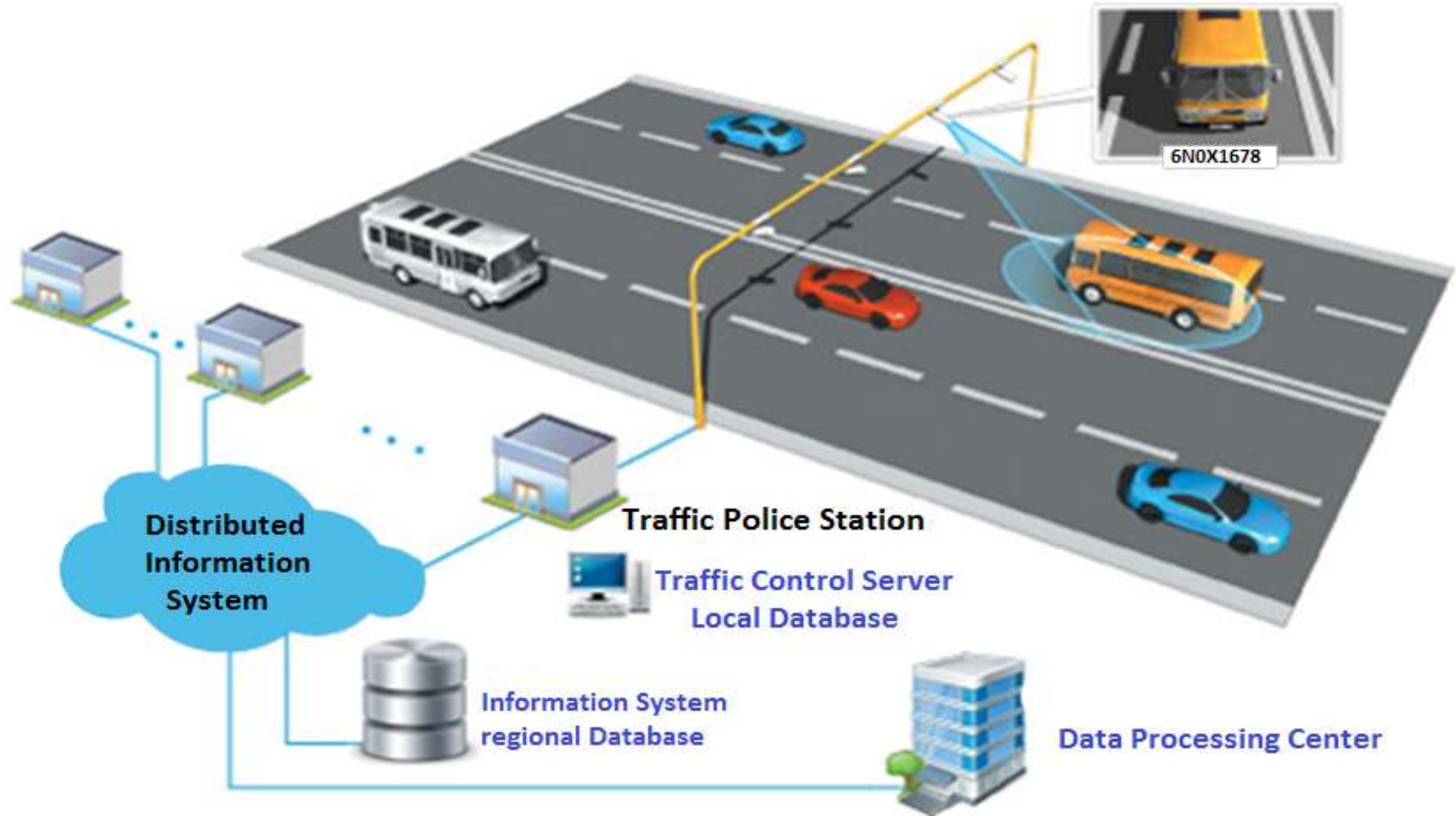


# *TRAFFIC MANAGEMENT SYSTEM*



# Intelligent Transportation System

- Intelligent Transport Systems (ITS) cover any technology applied to transport and infrastructure to transfer information between systems for improved safety, productivity and environmental performance.
- ITS is an emerging transportation system which is comprised of an advanced information and telecommunications network for users, roads and vehicles.
- ITS is the integrated application of advanced Technologies using electronics, computers, communications, and advanced sensors.
- These applications provide travelers with important information while improving the safety and efficiency of the transportation system

# Bending plate technology:



# WHY BENDINGPLATE:

- ✓ For reliability and long-term stability, the bending plate is used with better structure than other load pad scale.
- ✓ With strain gauges working in  $-40^{\circ}\text{C}\sim 120^{\circ}\text{C}$ , and sulfuret rubber sealed, bending plate can work in various environments.
- ✓ Compared with the traditional weighing pad, the bending plate has longer demission in the driving direction, which ensures a much higher accuracy in dynamic weighing.
- ✓ No load cell is used, which greatly reduces both the structure complexity and the failure rate.
- ✓ Our advanced manufacturing technique ensures that its static precision can be less than 0.5%.
- ✓ The bending plate is with so low profile as to reduce both easier installation and less damage to the road surface.



# Portable Axle Weighbridge:

V-TEK AXLE WEIGHER system is a low cost, easy to install and calibrate, accurate and low maintenance cost. AXLE WEIGHER sensors include fiber optical pressure / load sensor, piezo-electric pressure sensors, bending plate and mechanical frame .



The digital Weighbridge shall comprise of a mechanical platform structure resting freely on Four/Six/Eight/Ten Load Cells. The Weighbridge would be PIT/PITLESS type i.e. at/above the ground level & Can be Extendable upto 24 mt. to the Desired Proportional Capacity 200 mt.



# Slow and Medium Speed WIM

- As our country's transportation infrastructure ages and reaches the limit of its capacity.
- Today's traffic volume and limited throughput capacity of existing weigh stations simply will not allow every truck to be weighed statically.
- Vehicle Weigh in Motion offers just the right solution to the transportation/tolling stations.

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