

VIDEO ANALYTICS SERVICES

- Traffic Data Collection for Vehicle Classes, Bikes, and Pedestrians
- Traffic Monitoring Service and Reporting 7/24
- Station Accessibility
- Traffic Speeds and Traffic Patterns Before-During-After Construction
- Video Camera Systems and Screen Integration

NAICS

518210, 541330, 541690, 541710, 561621, 519190, 812922

QUALIFICATIONS

- Institute of Transportation Engineers (ITE)
- Transportation Research Board (TRB) Member
- ITS California
- Nvidia/Oracle Inception Program
- NBA Golden Gate Warriors and United Corporate Ready Program
- Certified Service Supplier To WSP and JACOBS



CONTACT

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CERTIFICATIONS

- SAM (#FXN8LTKF9AM9)
- California DBE (#38506)
- DGS SB (#1523444)
- BART SBE
- Alameda County SLEB
- Alameda CTC LSB
- City of Pleasanton License (#104606)

CLIENTS

Providing Professional Services Since 2009 to

- Asian Development Bank
- USTDA
- Caltrans
- California Highspeed Rail Authority
- MTC
- Alameda CTC
- City of South San Francisco
- Kittelson and Associates
- DKS
- Stantec
- Fehr & Peers
- WSP
- JACOBS
- Steer Group
- Harris & Associates
- City of Antioch
- City of Clayton

W & S SOLUTIONS

has developed Video AI Analytics technology system TransportBrain (TB) used for traffic data collection, signal controls, city street limit studies, traffic operation modeling services, and intelligent safety systems. The analytics technology can be either inside IP cameras or an edge and server. TB works with IP cameras to enable video cameras to alert safety risks and deliver valuable data for highway and urban infrastructure planning. TB could reach 95 percent detection accuracy of the monitoring objects.

TB enables a distributed network of cameras acting as intelligent processing nodes delivering cost-effective and reliable video-as-a-sensor solutions with open-source IP cameras. Moreover, it can work in a closed network without or with internet access.

TB provides superior video images, intelligent event detection, real-time alerts, and data collection and aggregation.

Artificial Intelligence (AI) used in TB will improve safety and mobility on our roadways, transit stations. This computer vision technology can classify pedestrians, bicycles, motorcycles, cars, trucks, and buses.

