



Kimley-Horn and Associates, Inc.

National ITS Architecture Entity
No Regional Architecture Elements Map To National ITS Architecture

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Regional Architecture Elements Map To National ITS Architecture

Archived Data Management Subsystem
*BCSMPO Traffic Counts & Accident Location DB
*Brazos County Traffic Count Archive
*BVCOG Traffic Accident Archive
MPO Transit Ridership Database
Municipal or County Local Accident Database
Statewide Crash Records Information System
Texas Education Association Ridership Office
TTI TransLink
TxDOT Bryan District Pavement Mgmt. System
TxDOT Bryan District Public Transportation Management System (PTMS)
TxDOT Statewide Pavement Mgmt. System

Emergency Management Subsystem
Automated Call Out System
Blinn College Police and Dispatch
Brazos County 911 Dispatch
City of Bryan EOC
City of Bryan Police Department
City of College Station EOC
City of College Station Fire Dispatch
City of College Station Police and Dispatch
Correctional Facilities Operations
County EOC
CS Fire 4
DPS Communications Service

Information Service Provider Subsystem
Automated Call Out System
BCSMPO Website
Brazos Transit Website
*BCSCVB Website
ISD Website
*Private Sector Traveler Information Services
Service Agencies
TAMU Transit Info Line
TAMU Transit Web Site
TAMU Website
TTI TransLink
*TxDOT 511 System
*TxDOT Bryan District Public Information Office
TxDOT Bryan District Web Page
TxDOT Hwy Conditions Reporting Sys. (HCRS)
TxDOT Motor Carrier Routing Information

Traffic Management Subsystem
*BCSMPO Traffic Counts & Accident Location DB
*Brazos Valley COG Regional Probe Info. Server
City of Bryan Traffic Operations Center
City of College Station Traffic Operations Center
*Municipal Traffic Operations Center
*TAMU Traffic Management Center
TranStar and Other Texas Region TMCs
TTI TransLink
TxDOT Bryan District Office
TxDOT Fort Worth TMC (TransVision)

Commercial Vehicle Administration
Municipal or County Permitting System

Fleet and Freight Management Subsystem
*Private Fleet Management Systems
Rail Operations Centers

Transit Management Subsystem
Brazos Transit Operations Center
Independent School District Dispatch
Private Taxi Provider Dispatch
TAMU Transit Operations Center

Archived Data User Systems
Brazos Transit Operations Center
*MPO Archive User
Statewide Crash Records Info. System Users
*TxDOT Bryan Dist. Pavemnt Mgmt Sys. Users

Toll Administration
*Regional Mobility Authority Toll Road Customer Service Center

Asset Management
TxDOT BRINSAP
TxDOT Bryan District Pavement Mgmt System

Care Facility
Regional Medical Center

Driver
Driver

Remote Traveler Support Subsystem
*Regional Kiosks
*TAMU Transit Kiosks
*TxDOT Rest Areas/Visitor Centers/Service/Truck Stops/Plaza Kiosks

Personal Information Access Subsystem
*Private Travelers Personal Computing Devices

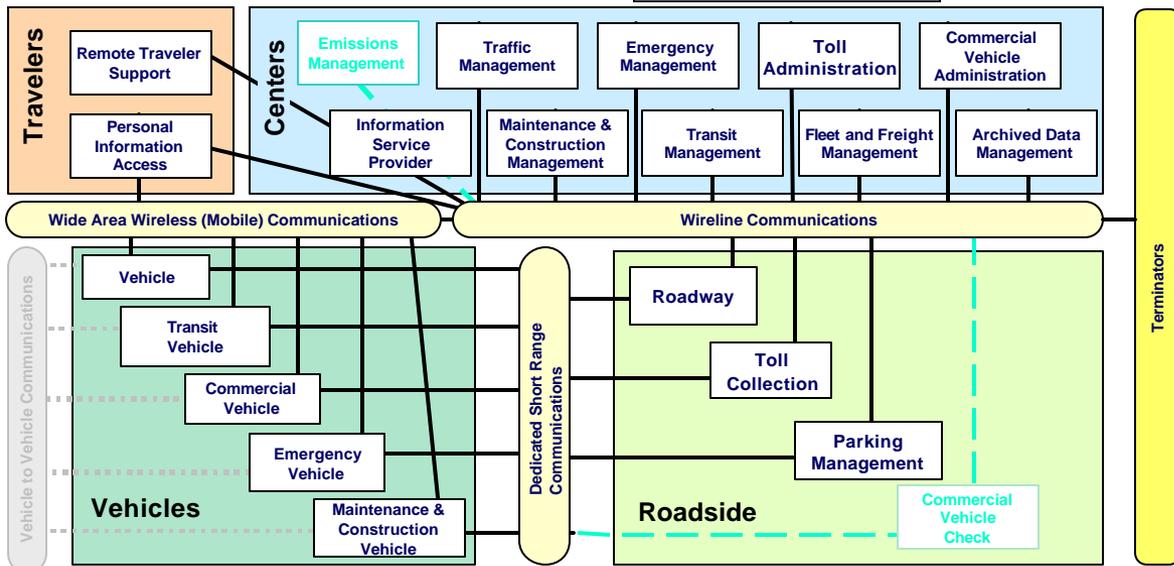
Vehicle Subsystem
Commercial Vehicles
Private Vehicles

Transit Vehicle Subsystem
Brazos Transit Paratransit Vehicles
Brazos Transit Vehicles
Independent School District Buses
TAMU Paratransit Vehicles
TAMU Transit Vehicles

Commercial Vehicle Subsystem
Commercial Vehicles
*Rail Operators Rail Cars

Emergency Vehicle Subsystem
Blinn College Police Vehicles
City of Bryan Fire Rescue Vehicles
City of Bryan Police Vehicles
City of College Station Fire Rescue Vehicles
City of College Station Police Vehicles
County Sheriff Police Vehicles
County Volunteer Fire Rescue Vehicles
DPS Emergency Vehicles
Municipal Fire Rescue Vehicles
Municipal Police Vehicles
Private Ambulance Vehicle
Private Tow/Wrecker Vehicles
Sam Houston State University Police Vehicles
TAMU EMS Vehicles
TAMU Police Vehicles

Maintenance and Const Vehicle Subsystem
City of Bryan Maintenance Vehicles
City of College Station Public Works Vehicles
County Road and Bridge Vehicles
Municipal PWD Vehicles
TxDOT Bryan District Maintenance Vehicles



Brazos Valley, Texas
Regional ITS Architecture
"Sausage Diagram"

* Elements are planned or future, not existing.
Last update: April 7, 2004

Toll Collection
*Regional Mobility Authority Toll Plazas

Parking Management
City of College Station Garage Parking
*Regional Parking Garages
*Sam Houston State University Parking Garage
TAMU Parking Garage

Roadway Subsystem
City of Bryan Field Equipment
City of Bryan Speed DMS
City of College Station Field Equipment
City of College Station Speed DMS
*County Road and Bridge Field Equipment
*Municipal Field Equipment
TAMU Field Equipment
TTI Field Equipment
*TxDOT Bryan District CCTV

Roadway Subsystem
TxDOT Bryan District College Station Traffic Recorder
*TxDOT Bryan District DMS
TxDOT Bryan District Field Sensors
*TxDOT Bryan District Flood Detection
*TxDOT Bryan District HAR
*TxDOT Bryan District RWIS
TxDOT Bryan District Traffic Signals
*TxDOT Bryan District Work Zone Equipment

Maintenance & Construction Management
City of Bryan Road Maintenance Department
City of Bryan Signal Shop
City of College Stat. Public Works -Streets Div.
City of College Station Signal Shop
County Road and Bridge Maintenance Office
Municipal Public Works Department
Other TxDOT District Maintenance Sections
TxDOT Bryan District Area Engineers Office
TxDOT Bryan District Maintenance Sections
TxDOT Bryan District Signal Shop
TxDOT Hwy Conditions Reporting Sys (HCRS)

Equipment Repair Facility
City of Bryan Maintenance Facility
City of College Station Maintenance Facility
County Road and Bridge Equipment Repair
Municipal Maintenance Facility
TxDOT Bryan District Shop

Event Promoters
Bryan College Sta. Convention Visitors Bureau
TAMU Special Event Promoters

Financial Institution
*Financial Institution

Maintenance & Construction Admin. System
TxDOT Bryan District Area Engineers Office

Map Update Provider
*Brazos Valley COG GIS

Media
Local Print and Broadcast Media

Multimodal Transportation Service Provider
Bryan Intercity Bus Depot
Easterwood Airport
Passenger Rail

Other Parking
*Regional Parking Reconciliation Network

Rail Operations
Rail Operations Centers

Surface Transportation Weather Service
National Weather Service

Traveler Card
*Regional Parking, Public Transit and Taxi Payment Instrument

Wayside Equipment
Rail Operators Wayside Equipment

Weather Service
National Weather Service

Vehicle Characteristics
Private Vehicles