Kimley-Horn and Associates, Inc.

ConSysTec Corp

LEGEND

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

| National ITS Architecture Entity | Regional Architecture Elements Map To National ITS Architecture |

Remote Traveler Support Subsystem
- Citibus Information Display / Point of Sale*
- TxDOT Rest Area/Visitor Center/Service Plaza/Truck Stop Kiosks*

Personal Information Access Subsystem
- Private Travelers Personal Computing Devices

Transit Vehicle Subsystem
- CapTrans Transit Vehicles
- Citibus Demand Response Vehicles
- Citibus Transit Vehicles
- Independent School District Buses
- SPARTAN Vehicles

Vehicle Subsystem
- Commercial Vehicles

Commercial Vehicle Subsystem
- Commercial Vehicles
- Rail Operators Rail Cars

Maintenance and Const Vehicle Subsystem
- City of Lubbock Vehicles
- County Road and Bridge Vehicles
- Lubbock Automated Roadway Information System*
- Municipal PWD Vehicles
- TxDOT Lubbock District Maintenance and Construction Vehicles

Emergency Vehicle Subsystem
- City of Lubbock Emergency Vehicles
- City of Plainview Emergency Vehicles
- DPS Emergency Vehicles
- Municipal or County Emergency Vehicles
- Private Ambulance Vehicles
- TTU Police Vehicles
- UMC Emergency Vehicles

Maintenance & Construction Management
- City of Lubbock Transportation Division and Public Works Department
- County Road and Bridge
- Municipal PWD
- New Mexico Maintenance Sections
- Other TxDOT District Area Engineers Office
- Other TxDOT District Maintenance Sections
- TTU Facilities and Maintenance Department
- TxDOT Highway Conditions Reporting System
- TxDOT Lubbock District Area Engineers Office
- TxDOT Lubbock District Maintenance Management Office
- TxDOT Lubbock District Maintenance Sections

Emergency Management Subsystem
- Cannon AFB EOC
- City of County of Lubbock EOC
- City of Lubbock Fire Dispatch
- City of Lubbock Police/911 Dispatch
- City of Plainview EOC
- City of Plainview Police/Fire/EMS Dispatch
- County EOC

Emergency Management Subsystem (Cont.)
- County Volunteer Fire Departments Dispatch
- DPS Administration
- DPS Communications Service
- DPS/District Disaster Committee EOC
- Municipal or County Public Safety Dispatch and PSAP
- New Mexico State Police Dispatch
- Private Ambulance Dispatch
- Private Tow/Wrecker Dispatch
- Regional Medical Centers
- State Operations Center
- TDCJ-ID Regional Dispatch
- TTU Police Department Dispatch
- UMC EMS Dispatch

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

Information Service Provider Subsystem
- CapTrans Website
- Citibus Website
- City of Lubbock Website
- Municipal Websites
- Private Sector Traveler Information Services*
- SPARTAN Website*
- TxDOT 511 System*
- TxDOT Highway Conditions Reporting System
- TxDOT Lubbock District TMC
- TxDOT Lubbock District Website*
- TxDOT Motor Carrier Routing Information

Archived Data Management Subsystem
- Lubbock MPO Archive*
- Statewide Crash Records Information System
- TxDOT Lubbock District Pavement Management System
- TxDOT Odessa District Public Transportation Management System (PTMS)
- TxDOT Statewide Pavement Management System

Transit Management Subsystem
- CapTrans Transit Dispatch
- Citibus District Dispatch
- Independent School District Dispatch
- Lubbock Region Transit Reconciliation Network*
- Private Taxi Provider Dispatch
- SPARTAN Transit Dispatch

Traffic Management Subsystem
- City of Lubbock Traffic Management Center
- City of Plainview Traffic Operations Center
- Municipal TOCs*
- New Mexico DOT TMC
- Other TxDOT District TMCs
- TTU Traffic Operations Center*
- TxDOT Fort Worth TMC (TransVision)
- TxDOT Lubbock District TMC

Archived Data User Systems
- Lubbock MPO Archive Data User Systems*
- Statewide Crash Records Information System Users
- TxDOT Lubbock District Pavement Management System Users
- TxDOT PTMS Archive Data Users Systems

Asset Management
- City of Lubbock Pavement Management System
- TxDOT BRINSAP
- TxDOT Lubbock District Pavement Management System
- TxDOT Lubbock District Roadway Asset Inventory*

Care Facility
- Regional Medical Centers

Driver
- Driver

Equipment Repair Facility
- City of Lubbock Central Services Garage
- County Road and Bridge Equipment Repair
- Municipal PWD Garage
- TxDOT Lubbock District Equipment Repair Garage

Event Promoters
- Municipal Convention and Visitors Bureau*
- TTU Event Planning Office*

Financial Institution
- Financial Institution

Maintenance & Construction Admin
- TxDOT Lubbock District Area Engineers Office

Media
- Local Print and Broadcast Media

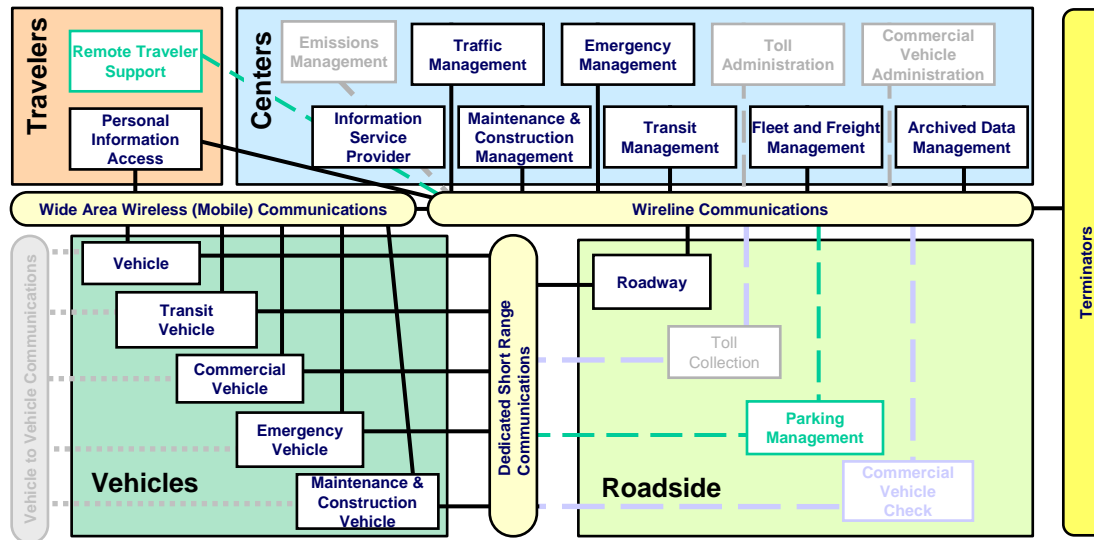### Other EM
- Lubbock Regional Incident and Mutual Aid Network*

Rail Operations
- Rail Operations Centers

Traveler Card
- Lubbock Regional Smart Card*

Wayside Equipment
- Rail Operators Wayside Equipment

Weather Service
- National Weather Service

Parking Management
- TTU Parking System*

Roadway Subsystem
- City of Lubbock Field Equipment
- City of Plainview Field Equipment
- County Road and Bridge Field Equipment*
- Municipal ITS Field Equipment*
- TTU Field Equipment
- TTU Parking System DMS*
- TxDOT Lubbock District Anti-Icing Equipment*
- TxDOT Lubbock District CCTV*
- TxDOT Lubbock District DMS
- TxDOT Lubbock District Field Sensors

Roadway Subsystem
- TxDOT Lubbock District Flood Detection*
- TxDOT Lubbock District HAR*
- TxDOT Lubbock District Lane Use Control Signals*
- TxDOT Lubbock District Ramp Metering*
- TxDOT Lubbock District RWIS Sensors*
- TxDOT Lubbock District School Flashers*
- TxDOT Lubbock District Speed Monitoring
- TxDOT Lubbock District Traffic Signals
- TxDOT Lubbock District Work Zone Equipment*

Travelers — Remote Traveler Support, Personal Information Access

Centers — Emissions Management, Traffic Management, Emergency Management, Toll Administration, Commercial Vehicle Administration, Information Service Provider, Maintenance & Construction Management, Transit Management, Fleet and Freight Management, Archived Data Management

Wide Area Wireless (Mobile) Communications — **Wireline Communications**

Terminators

Vehicle to Vehicle Communications

Vehicles — Vehicle, Transit Vehicle, Commercial Vehicle, Emergency Vehicle, Maintenance & Construction Vehicle

Dedicated Short Range Communications

Roadside — Roadway, Toll Collection, Parking Management, Commercial Vehicle Check

Lubbock Region, Texas
Regional ITS
Architecture
"Sausage Diagram"

* Elements are *planned or future*, not *existing*.

Last Updated: February 15, 2005