Florida Statewide ITS Architecture – FDOT District 1 Region "Sausage" Diagram

Kimley-Horn and Associates, Inc.

JAFFE ENGINEERING

Information Service Provider
- County and City Public Information System
- District 1 Public Information Office System
- Florida DOT Video Camera Image Web Page*
- Local Agency Web Sites
- Mayday/Concierge Service Center
- Private Sector Traveler Info. Services
- Ridesharing Coordination Info System

Traffic Management
- I-75 Traffic Mgt. Ctr (Charlotte, Sarasota, Manatee Co.)
- I-75 Traffic Mgt. Ctr. (Lee and Collier County)
- Manatee County and Cities Advanced Traffic Mgt. Sys.
- Punta Gorda Traffic Signal Control System
- Sarasota County and Cities Advanced Traffic Mgt. Sys.

Remote Traveler Support
- Motorist Aid Call Boxes
- Rest Areas/Visitor Centers*

Personal Information Access
- Traveler PC/Info. Appliance

Vehicle
- Traveler Vehicle

Commercial Vehicle
- Commercial Vehicles

Transit Vehicle
- Citrus Connection Transit Vehicles
- Collier County Deviated Fixed Route Buses
- County Paratransit Vehicles
- LeeTran Fixed Route Transit Vehicles
- MCAT Transit Vehicles
- SCAT Transit Vehicles
- School Buses

Emergency Vehicle
- County Fire Rescue Vehicles
- County Sheriff Vehicles
- FDLE Vehicles
- Florida Highway Patrol Vehicles
- Local Fire Vehicles
- Local Police Vehicles
- Service Patrol Vehicles*

Basic Vehicle
- Traveler Vehicle

Driver
- Driver

Payment Instrument
- Electronic Payment Card

Traffic Management, Cont.d
- Bradenton Traffic Signal Control System
- Cape Coral Traffic Signal Control System
- Charlotte County Advanced Traffic Management Sys.
- Collier County Advanced Traffic Management System
- District 1 Traffic Operations Monitoring Center (Bartow)
- Fort Myers Traffic Signal Control System
- Highlands County Traffic Signal Control System
- Lakeland Advanced Traffic Management System
- Lee County and Cities Advanced Traffic Mgt. Sys.
- Manatee County Traffic Signal Control System
- Marco Island Traffic Signal Control System
- Naples Advanced Traffic Management System
- North Port Traffic Signal Control System*
- Polk County Traffic Signal Control System
- Sarasota City Traffic Signal Control System
- Sarasota County Traffic Signal Control System
- Venice Traffic Signal Control System
- Winter Haven Traffic Signal Control System

Emergency Management
- County Emergency Operations Centers
- County Emergency Communications Centers
- County Warning Points
- District 1 Emergency Operations Center
- E911 Emergency Call Centers
- FDLE Communications Center*
- Florida Highway Patrol Dispatch
- Florida State Emergency Operations Center
- Florida State Warning Point*
- Local Fire Dispatch
- Local Police Dispatch
- Mayday/Concierge Service Center
- Service Patrol Dispatch

Transit Management
- Citrus Connection Transit Dispatch
- Collier County Deviated Fixed Route System*
- County Paratransit Systems
- Inter-City Bus Service
- LeeTran Fixed Route Transit Dispatch System
- MCAT Dispatch
- SCAT Dispatch
- School District Transportation Dispatch*

Toll Administration
- LeeWay Customer Service Center
- Sunpass Customer Service Center

Fleet and Freight Management
- Commercial Vehicle Fleet Dispatch Systems

Commercial Vehicle Administration
- License, Registration, and Fuel Tax System
- Overdimension Permit System
- SafetyNet

Archived Data Management
- Florida DOT Central Planning and Statistics System*
- Florida Safety and Accident Data Collection System*
- FDOT District 1 Transp. Data Collection System
- Transportation Data Collection Systems*

Archived Data User Systems
- Archived Data User Systems*

Construction and Maintenance
- FDOT District 1 Construction and Maintenance
- Roadway Maintenance Systems

Enforcement Agency
- FDOT Motor Carrier Compliance Support Systems
- Florida Highway Patrol Dispatch

Event Promoter
- Local Venue Event Scheduling System
- Municipality Event Permit Systems

Financial Institution
- Financial Institutions

Intermodal Freight Depot
- Air Freight Terminals
- Marine Terminals
- Lakeland Linder Regional Airport
- Port Manatee
- Rail Intermodal Terminals

Intermodal Freight Shipper
- Tropicana Products Loading Facility

Media
- Newspapers, Radio, Television Stations
- Traveler Info. Radio Network Stations*

Multimodal Transportation Service Provider
- Amtrak Passenger Train Terminal
- Buque Bus High Speed Ferry System*
- District 1 Regional Airports
- LeeTran Intermodal Center*
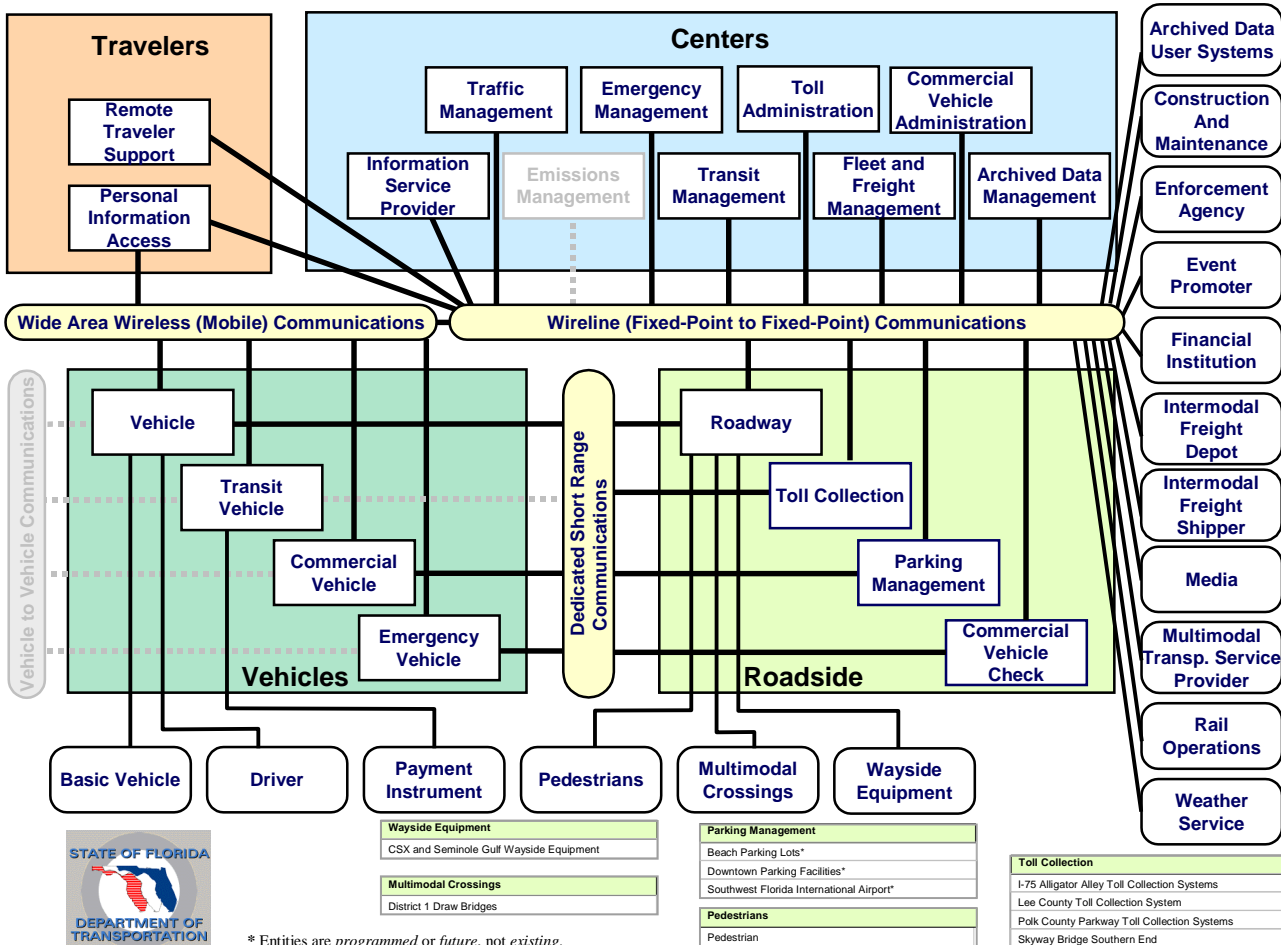- Sarasota/Bradenton International Airport
- Southwest Florida International Airport*

Rail Operations
- CSX and Seminole Gulf Rail Operations Centers

Weather Service
- National Hurricane Center Info. System
- National Weather Service

Roadway
- Bradenton Traffic Control Equipment
- Cape Coral Traffic Control Equipment
- Charlotte County Field Equipment
- City of Sarasota Traffic Control Equipment
- Collier County Field Equipment
- District 1 Field Equipment
- Fort Myers Traffic Control Equipment
- Highlands County Traffic Control Equipment
- Lakeland Field Equipment
- Lee County Field Equipment
- Manatee County Field Equipment
- Marco Island Traffic Control Equipment
- City of Naples Traffic Control Equipment
- North Port Traffic Control Equipment*
- Polk County Traffic Control Equipment
- Sarasota County Field Equipment
- Traffic Count Stations
- Traffic Signal Equipment*
- Venice Traffic Control Equipment
- Winter Haven Traffic Control Equipment
- Punta Gorda Traffic Signal Control System

Commercial Vehicle Check
- Scales and Inspection Stations

Diagram

Travelers
- Remote Traveler Support
- Personal Information Access

Centers
- Traffic Management
- Emergency Management
- Toll Administration
- Commercial Vehicle Administration
- Information Service Provider
- Emissions Management
- Transit Management
- Fleet and Freight Management
- Archived Data Management

Archived Data User Systems · Construction And Maintenance · Enforcement Agency · Event Promoter · Financial Institution · Intermodal Freight Depot · Intermodal Freight Shipper · Media · Multimodal Transp. Service Provider · Rail Operations · Weather Service

Wide Area Wireless (Mobile) Communications

Wireline (Fixed-Point to Fixed-Point) Communications

Vehicle to Vehicle Communications

Vehicles
- Vehicle
- Transit Vehicle
- Commercial Vehicle
- Emergency Vehicle

Dedicated Short Range Communications

Roadside
- Roadway
- Toll Collection
- Parking Management
- Commercial Vehicle Check

- Basic Vehicle
- Driver
- Payment Instrument
- Pedestrians
- Multimodal Crossings
- Wayside Equipment

Wayside Equipment
- CSX and Seminole Gulf Wayside Equipment

Multimodal Crossings
- District 1 Draw Bridges

Parking Management
- Beach Parking Lots*
- Downtown Parking Facilities*
- Southwest Florida International Airport*

Pedestrians
- Pedestrian

Toll Collection
- I-75 Alligator Alley Toll Collection Systems
- Lee County Toll Collection System
- Polk County Parkway Toll Collection Systems
- Skyway Bridge Southern End

STATE OF FLORIDA · DEPARTMENT OF TRANSPORTATION

*Entities are *programmed* or *future*, not *existing*.

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