



Project Strategies

Transportation Systems Management & Operations (TSM&O) Master Plan



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Draft



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Proposed Strategies per Prioritized Projects

BACKGROUND

This document provides recommended strategies for identified corridors that were selected based upon the criteria where each corridor scored the highest. The strategies are drawn from the TSM&O Strategy Framework developed by the Florida Department of Transportation, District Five.

[EXAMPLE LAYOUT] LOCAL AGENCY

1. Project Roadway from Start to End – Gap Type

a. Recommended Strategies

- Highest Scoring Prioritization Criteria, which are also defined as Focus Areas (see Section 6.1, Master Plan) – The highest scoring criteria for a given project are documented here to identify the Focus Areas that the Recommended Strategies will help to address.

In addition to these strategies, corridors are identified which have the potential for implementing Advanced ITS through a combination of the following strategies, as applicable, that include: Connected/Automated Vehicles, Emergency Vehicle Preemption, Transit Signal Priority, Automated Traffic Signal Performance Measures, Bike/Ped Safety, and Artificial Intelligence.

SEMINOLE COUNTY

1. SR 436 from Orange County Limits (West) to Grace Blvd. - CAV Gap

a. Adaptive Signal Control, Bicycle/Pedestrian Safety Systems

- Crash Rate, Bicycle/Pedestrian Crash Rate

b. Active Arterial Management; Disaster Response and Evacuation; Fiber, CCTV, and Data Collection

- Volume-to-Capacity, Evacuation Route, Communication

c. Integrated Corridor Management, Signal ATMS

- Regional Project, Multimodal Hub

d. En-Route Driver Information/Route Guidance

- Sunrail Stations/Crossings

2. US 17/92 from 1st St. to Orange County Limits – CAV Gap

a. Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems

- Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate

b. Fiber, CCTV, Data Collection; Disaster Response and Evacuation

- Communication, Evacuation Route

c. Signal ATMS, Integrated Corridor Management

- Multimodal Hub, Regional Project

d. En-Route Driver Information/Route Guidance

- Sunrail Stations/Crossings

3. Lake Mary Blvd. from Markham Woods Rd. to Live Oak Blvd. – Signal Gap

a. Adaptive Signal Control

- Crash Rate

b. Fiber, CCTV, Data Collection

- Communication

c. Freight Mobility, Signal ATMS

- Truck Parking, Multimodal Hub

d. Transit Signal Priority, Transit Traveler Information; En Route Driver Information/Route Guidance

- LYNX System Headway, Sunrail Stations/Crossing

4. Howell Branch Rd. from Orange County Limits to Aloma Ave. – CAV Gap
 - a. **Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection; Active Arterial Management**
 - Communication and Volume-to-Capacity
 - c. **Integrated Corridor Management**
 - Regional Project
 - d. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
5. SR 46 from Lake County Limits to US 17/92 – CAV Gap
 - a. **Adaptive Signal Control**
 - Crash Rate
 - b. **Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Evacuation Route
 - c. **Freight Mobility, Freight Signal Priority; Integrated Corridor Management**
 - Commercial Vehicle Traffic, Regional Project
 - d. **Transit Signal Priority, Transit Traveler Information; En Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
6. Airport Blvd. from Martin Luther King Jr. Blvd. to Airline Blvd. – ITS/Camera Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Freight Mobility/Signal Priority; Integrated Corridor Management; Multimodal Hub**
 - Commercial Vehicle Traffic; Regional Project; Signal ATMS
 - c. **Transit Signal Priority, Transit Traveler Information; En Route Driver Information/Route Guidance**
 - LYNX System Headway; Sunrail Stations/Crossings
7. SR 434 from Maitland Blvd. to Sanlando Office Park – CAV Gap
 - a. **Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Freight Mobility**
 - Truck Parking
 - d. **Dynamic Fare Reduction**
 - EJ Population
8. Red Bug Lake Blvd. from Semoran Blvd. to Slavia Rd – CAV Gap
 - a. **Adaptive Signal Control**
 - Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
9. Mitchell Hammock Rd. from SR 426 to Lockwood Blvd. – CAV Gap
 - a. **Adaptive Signal Control**
 - Crash Rate
 - b. **Fiber, CCTV, Data Collection; Active Arterial Management**

- Communication, Volume-to-Capacity
 - c. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - d. **Transit Signal Priority, Transit Traveler Information**
 - LYNX System Headway
10. Lake Mary Blvd. from Markham Woods Rd. to Volusia County Limits – CAV Gap
- a. **Bicycle/Pedestrian Safety Systems**
 - Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Freight Mobility/Signal Priority, Integrated Corridor Management**
 - Commercial Vehicle Traffic, Regional Project, Truck Parking
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
11. Central Pkwy. from Douglas Ave. to Palm Springs Dr. – ITS/Camera Gap
- a. **Adaptive Signal Control; Traffic Incident Management; Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatality/Serious Injury, Bicycle/Pedestrian Crash Rate
 - b. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - c. **En Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
12. 1st St. from Sanford Ave. to Park Ave. – ITS/Camera Gap
- a. **Adaptive Signal Control; Traffic Incident Management; Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatality/Serious Injury, Bicycle/Pedestrian Crash Rate
 - b. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - c. **En Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
13. Seminola Blvd. from Button Rd. to Murphy Rd. – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density, Sunrail Stations/Crossings
 - c. **Emissions Testing and Mitigation**
 - Public Health
14. CR 427 from Lake Mary Blvd. to SR 436 – IMC Camera Gap
- a. **Freight Mobility/Signal Priority; Signal ATMS**
 - Commercial Vehicle Traffic, Multimodal Hub
 - b. **En Route Driver Information/Route Guidance**
 - SunRail Stations/Crossings
15. CR 427/Ronald Reagan Blvd. from General Hutchinson Pkwy. to Leonard St. – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Signal ATMS**
 - Multimodal Hub
 - c. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings

- 16. Howell Branch Rd. from Lake Howell Rd. to Bear Gully Rd. – ITS Gap
 - a. **Adaptive Signal Control**
 - Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **En Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
- 17. Lake Emma Rd. from Greenwood Blvd. to Greenway Blvd. – ITS/Camera Gap
 - a. **Adaptive Signal Control**
 - Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **En Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
- 18. HE Thomas Jr Pkwy from International Pkwy. to Country Club Rd. – CAV Gap
 - a. **Adaptive Signal Control**
 - Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - d. **Transit Signal Priority, Transit Traveler Information, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
- 19. SR 434/Central Ave. from Broadway St. to Mitchell Hammock Rd. – Communication Gap
 - a. **Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Bicycle/Pedestrian Crash Rate
 - b. **Active Arterial Management**
 - Volume-to-Capacity
 - c. **Fiber, CCTV, Data Collection**
 - Communication
- 20. HE Thomas Jr Pkwy. from Oregon Ave. to Hartwell Rd. – ITS Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
- 21. Seminola Blvd. from US 17/92 to Lake Dr. – CAV Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - c. **Emissions Testing and Mitigation**
 - Public Health
- 22. CR 427/Ronald Reagan Blvd. from SR 417 to Altamonte Dr. – CAV Gap
 - a. **Bicycle/Pedestrian Safety Systems**
 - Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication

- c. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic, Truck Parking
 - d. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
23. Red Bug Lake Rd. from Eagle Cir. to Oviedo Mall Blvd./Oviedo Crossing Terr. – ITS/Signal Cabinet and Cameras Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **En Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
24. SR 434/Central Ave. from SR 417 Interchange to Magnolia St. – Communication Gap
- a. **Freight Mobility/Signal Priority, Signal ATMS**
 - Commercial Vehicle Traffic, Multimodal Hub
 - b. **Fiber, CCTV, Data Collection**
 - Communication
25. Red Bug Lake Rd. from Eagle Cir. to Dovera Dr. – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **En Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
26. SR 46 from Lake Mary Blvd. to Volusia County Limits – Communication Gap
- a. **Active Arterial Management**
 - Volume-to-Capacity
 - b. **Freight Mobility/Signal Priority, Signal ATMS**
 - Commercial Vehicle Traffic, Regional Project, Multimodal Hub
 - c. **Fiber, CCTV, Data Collection**
 - Communication
27. Montgomery Rd. from Plaza Entrance to Oak St. – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
28. Lake Mary Blvd. from Palmetto St. to Celery Ave. – Signal Cameras Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
29. Lake Mary Blvd. from Palmetto St. to S. Sanford Ave. – ITS Gap
- a. **Signal ATMS**
 - Multimodal Hub
 - b. **Transit Signal Priority, Transit Traveler Information; En Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
30. CR 427/Ronald Reagan Blvd. from US 17 to SR 417 – ITS Gap
- a. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - b. **Fiber, CCTV, Data Collection**
 - Communication
31. Sand Lake Rd. from Lake Brantley High School to Hunt Club Blvd.
- a. **Fiber, CCTV, Data Collection**
 - Communication
32. Seminole Blvd. from I-4 to French Ave. – Communication Gap

- a. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic, Truck Parking
 - a. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
 - b. **Fiber, CCTV, Data Collection**
 - Communication
33. Tuskawilla Rd. from Trotwood Blvd. to Gabriella Ln. – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
34. Mellonville Ave. from Celery Ave. to SR 26 – Communication Gap
- a. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - c. **Emissions Testing and Mitigation**
 - Public Health
 - d. **Fiber, CCTV, Data Collection**
 - Communication
35. Bunnell Rd. from Bear Lake Rd. to Sunshine Ln.
- a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
36. Wekiva Springs Rd. from Miami Springs Dr./Hunt Club Blvd. to Wekiva Springs Ln. – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
37. Wymore Rd. from Spring Valley Rd. to N Wymore Rd. – ITS Gap
- a. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings

ADVANCED ITS PROJECTS

In addition to the above strategies, the following corridors have the potential for implementing Advanced ITS through a combination of the following strategies, as applicable: Connected/Automated Vehicles, Emergency Vehicle Preemption, Transit Signal Priority, Automated Traffic Signal Performance Measures, Bike/Ped Safety, and Artificial Intelligence.

1. CR 4220 (Lake Mary Blvd.) from Markham Woods Rd. to SR 46
2. CR 46A (H E Thomas Pkwy./W 25th St.) from S Orange Ave. to US 17/92
3. CR 427 (Reagan Blvd.) from SR 436 to Lake Mary Blvd.
4. CR 4242 (Seminola Blvd./Dog Track Rd.) from Ronald Reagan Blvd. to Tuskawilla Rd.
5. Howell Branch Rd. from Lake Howell Rd. to SR 426
6. CR 431B (Rinehart Rd.) from Lake Mary Blvd. to SR 46
7. CR 425 (Airport Blvd./Martin Luther King, Jr. Blvd.) from Southgate Rd./Windleshore Way to US 17/92
8. CR 4281 (Tuskawilla Rd.) from SR 426 to SR 434
9. CR 4237 (Lake Emma Rd.) from Longwood Hills Rd. to Lake Mary Blvd.
10. CR 419 (E Broadway St.) from N Central Ave. to Sterling Creek Pkwy./Snow Hill Rd.

OSCEOLA COUNTY

1. US 441/Orange Blossom Trl. from N of Whitney St. to S of Fletcher St. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection; Active Arterial Management; Disaster Response and Evacuation**
 - Communication, Volume-to-Capacity, Evacuation Route
 - c. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Ridership, Stop Density, Sunrail Stations/Crossings
 - d. **Dynamic Fare Reduction**
 - EJ Populations
2. US 441/Orange Blossom Trl. from S of Carroll St. to SR 522/Osceola Pkwy. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, and Bicycle/Pedestrian Crash Rate
 - b. **Active Arterial Management**
 - Volume-to-Capacity
 - c. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings, Ridership
 - d. **Dynamic Fare Reduction**
 - EJ Populations
 - e. **Fiber, CCTV, Data Collection**
 - Communication
3. US 192/Vine St. from Old Vineland Rd./Bass Rd. to Florida Turnpike – ITS Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Freight Mobility/Signal Priority, Transit Traveler Information, En-Route Driver Information/Route Guidance**
 - Commercial traffic
 - c. **Dynamic Fare Reduction**
 - EJ Populations
4. Main St. from N of Cypress St. to S of Hilda St. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, and Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - d. **En-Route Driver Information/Route Guidance, Transit Signal Priority**
 - Sunrail Stations/Crossings, Ridership
 - e. **Dynamic Fare Reduction**
 - EJ Populations
5. US 17/92 from Poinciana Blvd. to CR 532 – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management**
 - Crash Rate, Fatal/Serious Injuries
 - b. **Active Arterial Management, Disaster Response and Evacuation**
 - Volume-to-Capacity, Evacuation Route
 - c. **Freight/Mobility/Signal Priority**
 - Commercial Vehicle Traffic

- d. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - e. **Dynamic Fare Reduction**
 - EJ Populations
 - f. **Fiber, CCTV, Data Collection**
 - Communication
6. US 192/Irlo Bronson Memorial Hwy. at Denn John Ln./Neocity – Span Camera Gap
 - a. **Active Arterial management; Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Volume-to-Capacity, Evacuation Route
 - b. **Freight Mobility/Signal Priority, Integrated Corridor Management**
 - Commercial Vehicle Traffic
 - c. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - d. **Dynamic Fare Reduction**
 - EJ Population
 7. US 441/Orange Blossom Trl. from N of Osceola Pkwy. to S of Orange County Limits – Communication Gap
 - a. **Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Evacuation Route
 - b. **En-Route Driver Information/Route Guidance, Transit Signal Priority**
 - Sunrail Stations/Crossings, Ridership
 - c. **Dynamic Fare Reduction**
 - EJ Populations
 8. Main St. from Columbia Ave. to Ruby Ave. – ITS Gap
 - a. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - b. **Dynamic Fare Reduction**
 - EJ Population
 - c. **Fiber, CCTV, Data Collection**
 - Communication
 9. Old Lake Wilson Rd. from Sinclair Rd. to CR 532 – Communication Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Active Arterial Management**
 - Volume-to-Capacity
 - c. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 10. US 192/Irlo Bronson Memorial Hwy. at St. Cloud Commons/Turnpike Ramp – Span Camera Gap
 - a. **Fiber, CCTV, Data Collection; Active Arterial Management; Disaster Response and Evacuation**
 - Communication, Volume-to-Capacity, Evacuation Route
 - b. **Dynamic Fare Reduction**
 - EJ Population
 11. Neptune Rd. from Main St. to Partin Settlement Rd. – Communication Gap
 - a. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - b. **Dynamic Fare Reduction**
 - EJ Population
 - c. **Fiber, CCTV, Data Collection**

- Communication
- 12. Nolte Rd. from Old Canoe Creek Rd. to SR 15/Hearn Rd. – Communication Gap
 - a. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - b. **Fiber, CCTV, Data Collection**
 - Communication
- 13. Old Canoe Creek Rd. from Neptune Rd. to Canoe Creek Rd. – Communication Gap
 - a. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - b. **Fiber, CCTV, Data Collection**
 - Communication
- 14. SR 60 from Polk County Limits to Indian River County Limits – Communication Gap
 - a. **Active Arterial Management, Disaster Response and Evacuation**
 - Volume-to-Capacity, Evacuation Route
 - b. **Dynamic Fare Reduction**
 - EJ Population
 - c. **Fiber, CCTV, Data Collection**
 - Communication
- 15. Westside Blvd. from US 192 to S of Student Dr. – Communication Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
- 16. US 192/13th St from Budinger Ave. to Holopaw Rd. – ITS Gap
 - a. **Active Arterial Management, Disaster Response and Evacuation**
 - Volume-to-Capacity, Evacuation Route
 - b. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - c. **Fiber, CCTV, Data Collection**
 - Communication
- 17. Cross Prairie Pkwy. from Neptune Rd. to Tohoqua Blvd. – Communication Gap
 - a. **Active Arterial Management**
 - Volume-to-Capacity
 - b. **Dynamic Fare Reduction**
 - EJ Population
 - c. **Fiber, CCTV, Data Collection**
 - Communication
- 18. US 441 from US 192/Irlo Bronson Memorial Hwy. to Okeechobee County Limits – Communication Gap
 - a. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Population
 - d. **Fiber, CCTV, Data Collection**
 - Communication
- 19. Funie Steed Rd. from US 192 to Westside Blvd. – Communication Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication

- 20. Hickory Tree Rd. from Nolte Rd. to US 192 – Communication Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
- 21. Westside Blvd. from Ocean Course Ave. to Osceola/Polk County Line – Communication Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
- 22. Clay Whaley Rd. from Cross Prairie Pkwy. to Old Canoe Creek Rd. – Communication Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication

ADVANCED ITS PROJECTS

In addition to the above strategies, the following corridors have the potential for implementing Advanced ITS through a combination of the following strategies, as applicable, that include: Connected/Automated Vehicles, Emergency Vehicle Preemption, Transit Signal Priority, Automated Traffic Signal Performance Measures, Bike/Ped Safety, and Artificial Intelligence.

1. CR 530 (Simpson Rd.) from US 192 to Osceola Pkwy.
2. CR 522 (W Osceola Pkwy.) from Dyer Blvd. to Simpson Rd.
3. CR 525 (N John Young Pkwy.) from US 192 to N of Thacker Ave.
4. CR 531 (Pleasant Hill Rd.) from Old Pleasant Hill Rd. to US 17/92
5. CR 522 (W Osceola Pkwy.) from I-4 EB Off-Ramp to CR 535
6. CR 15 (Narcoossee Rd.) from US 192 to Boggy Creek Rd.
7. CR 545 (Old Lake Wilson Rd.) from Sinclair Rd. to US 192

ORANGE COUNTY

1. US 441 from Hunters Creek Blvd. to Osceola County Limits – Communication Gap
 - a. **Traffic Incident Management, Adaptive Signal Control**
 - Fatal/Serious Injuries
 - b. **Integrated Corridor Management, Disaster Response and Evacuation**
 - Level of Travel Time Reliability, Evacuation Route
 - c. **Signal ATMS**
 - Regional Project, Multimodal Hub
 - a. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Transit Ridership, Sunrail Stations/Crossings
 - d. **Dynamic Fare Reduction**
 - EJ Population
 - e. **Fiber, CCTV, Data Collection**
 - Communication
1. US 441 from Michigan St. to Hunters Creek Blvd. – ITS Gap
 - a. **Integrated Corridor Management, Signal ATMS**
 - Level of Travel Time Reliability, Multimodal Hub
 - a. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Transit Ridership, Sunrail Stations/Crossings
2. I-4 Southern Ramps from US 441 North to US 441 South. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Integrated Corridor Management**
 - Level of Travel Time Reliability
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings, Ridership
 - e. **Dynamic Fare Reduction**
 - EJ Populations
 - f. **Fiber, CCTV, Data Collection**
 - Communication
3. I-4 Southern Ramps from SR 535 Off-Ramp to SR 535 On-Ramp – ITS Gap
 - a. **Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Evacuation Route
 - b. **Transit Signal Priority, Queue Jump**
 - LYNX System Headway, Express/Critical Route
4. I-4 Southern Ramps from SR 482/Sand Lake Rd. NB Off Ramp to SR 482/Sand Lake Rd. NB Off Ramp – ITS Gap
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Dynamic Fare Reduction**
 - EJ Population
5. I-4 Northern Ramps from Lee Rd. SB Off-Ramp to Lee Rd. NB On-Ramp – ITS Gap
 - a. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
 - b. **Dynamic Fare Reduction**

- EJ Population
6. I-4 Northern Ramps from Fairbanks Ave. SB Off/On Ramp to Fairbanks Ave. On/Off Ramps – ITS Gap
 - a. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
 7. US 441 from SR 429 Connector Rd. to Seminole County Limits – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, and Bicycle/Pedestrian Crash Rate
 - b. **Integrated Corridor Management, Disaster Response and Evacuation**
 - Level of Travel Time Reliability, Evacuation Route
 - c. **Signal ATMS, Transit Traveler Information**
 - Multimodal Hubs, Regional Project
 - d. **Fiber, CCTV, Data Collection**
 - Communication
 8. SR 50/Colonial Dr. from SR 429 On/Off Ramps to SR 429 NB On/Off Ramps – ITS Gap
 - a. **Fiber, CCTV, Data Collection; Active Arterial Management; Disaster Response and Evacuation**
 - Communication, Volume-to-Capacity, Evacuation Route
 - b. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - c. **Transit Signal Priority**
 - Transit Ridership
 9. Franklin St. from SR 429 SB Off Ramp to SR 429 On/Off Ramps – ITS Gap
 - a. **Disaster Response and Evacuation**
 - Evacuation Route
 - b. **Dynamic Fare Reduction**
 - EJ Population
 10. Clarcona Ocoee Rd. at SR 429 NB On/Off Ramps – ITS Gap
 - a. **Disaster Response and Evacuation**
 - Evacuation Route
 - b. **Dynamic Fare Reduction**
 - EJ Population
 11. SR 437A/Ocoee Apopka Rd. from SR 429 SB Off Ramp to SR 429 On/Off Ramps – ITS Gap
 - a. **Active Arterial Management; Disaster Response and Evacuation**
 - Volume-to-Capacity, Evacuation Route
 12. SR 429 Connector Rd. from SR 429 SB On/Off Ramps to SR 429 NB On/Off Ramps
 - a. **Fiber, CCTV, Data Collection**
 - Communication
 13. Kelly Park Rd. at SR 429 SB On/Off Ramps – ITS Gap
 - a. **Active Arterial Management**
 - Volume-to-Capacity
 14. US 441 from Clarcona Ocoee Rd. to Lee Rd. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, and Bicycle/Pedestrian Crash Rate
 - b. **Integrated Corridor Management, Active Arterial Management, Signal ATMS**
 - Level of Travel Time Reliability, Volume-to-Capacity, Multimodal Hub
 - c. **Transit Signal Priority**
 - Ridership
 - d. **Dynamic Fare Reduction**

- EJ Populations
 - e. **Fiber, CCTV, Data Collection**
 - Communication
15. US 441 from Seminole County Limits to Clarcona Ocoee Rd. – Communication Gap
- a. **Traffic Incident Management, Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Integrated Corridor Management, Active Arterial Management**
 - Level of Travel Time Reliability, Volume-to-Capacity
 - c. **Signal ATMS, Transit Signal Priority**
 - Regional Project, Multimodal Hub, Ridership
 - d. **Dynamic Fare Reduction**
 - EJ Populations
 - e. **Fiber, CCTV, Data Collection**
 - Communication
16. US 441 from SR 429 Connector Rd. to Clarcona Ocoee Rd. – ITS Gap
- a. **Integrated Corridor Management**
 - Level of Travel Time Reliability
 - b. **Signal ATMS**
 - Multimodal Hub
17. US 441 from Lake County Limits to SR 429 Connector Rd. – Communication Gap
- a. **Integrated Corridor Management, Active Arterial Management**
 - Level of Travel Time Reliability, Volume-to-Capacity
 - b. **Freight Mobility, Signal ATMS**
 - Regional Project, Truck Parking, Multimodal Hub
 - c. **Transit Signal Priority**
 - LYNX System Headway
 - d. **Fiber, CCTV, Data Collection**
 - Communication
18. Lake Underhill Rd. from S Goldenrod Rd. to Madeira Ave. – Communication Gap
- a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Active Arterial Management**
 - Volume-to-Capacity
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Fiber, CCTV, Data Collection**
 - Communication
19. S Apopka Vineland Rd. from Wallace Rd. to S of Bayside Dr./Torrey Pines Ter. – Communication Gap
- a. **Active Arterial Management**
 - Volume-to-Capacity
 - b. **Freight Mobility**
 - Truck parking
 - c. **Fiber, CCTV, Data Collection**
 - Communication
20. SR 535 from Silverlake Park Rd. Rd. to SR 50/Colonial Rd. – Communication Gap
- a. **Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Bicycle/Pedestrian Crash Rate

- b. **Active Arterial Management**
 - Volume-to-Capacity
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Queue Jump**
 - Express/Critical Route
 - e. **Fiber, CCTV, Data Collection**
 - Communication
21. SR 535 from E Buena Vista Dr. to Silverlake Park Dr. – Communication Gap
- a. **Active Arterial Management**
 - Volume-to-Capacity
 - b. **Signal ATMS**
 - Multimodal Hub
 - c. **Fiber, CCTV, Data Collection**
 - Communication
22. SR 423/John Young Pkwy. from SR 417 SB On Ramp to SR 417 NB On/Off Ramps – ITS Gap
- a. **Integrated Corridor Management; Fiber, CCTV, Data Collection; Active Arterial Management; Disaster Response and Evacuation**
 - Level of Travel Time Reliability, Communication, Volume-to-Capacity, Evacuation Route
 - b. **Transit Signal Priority**
 - LYNX System Headway
23. International Dr. at SR 417 On/Off Ramps/World Center Dr. – ITS Gap
- a. **Fiber, CCTV, Data Collection; Active Arterial Management; Disaster Response and Evacuation**
 - Communication, Volume-to-Capacity, Evacuation Route
 - b. **Signal ATMS**
 - Multimodal Hub
24. SR 50/Colonial Dr. from SR 417 NB On/Off Ramp to SR 417 SB Off Ramp – ITS Gap
- a. **Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Evacuation Route
 - b. **Transit Signal Priority**
 - Transit Ridership
25. US 441/Orange Blossom Trl. from SR 417 SB On/Off Ramps to SR 417 NB On/Off Ramps – ITS Gap
- a. **Fiber, CCTV, Data Collection; Active Arterial Management; Disaster Response and Evacuation**
 - Communication, Volume-to-Capacity, Evacuation Route
 - a. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Transit Ridership, Sunrail Stations/Crossings
 - b. **Dynamic Fare Reduction**
 - EJ Population
26. SR 15/Narcoossee Rd. from SR 417 SB On/Off Ramps to SR 417 On/Off Ramps – ITS Gap
- a. **Disaster Response and Evacuation**
 - Evacuation Route
 - b. **Freight Mobility/Signal Priority**
 - Commercial Vehicle Traffic
 - c. **Transit Signal Priority**
 - LYNX System Headway
27. Landstar Blvd. from SR 417 SB On/Off Ramps to SR 417 NB On/Off Ramps – ITS Gap
- a. **Fiber, CCTV, Data Collection; Active Arterial Management**

- Communication, Volume-to-Capacity
 - b. **Transit Signal Priority, Queue Jump, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Express/Critical Route, Sunrail Stations/Crossings
28. Moss Park Rd. from SR 417 SB On/Off Ramp to SR 417 NB On/Off Ramp – ITS Gap
- a. **Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Evacuation Route
29. Curry Ford Rd. from SR 417 SB On/Off Ramp to SR 417 On/Off Ramp – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
30. Consulate Dr. at FL Turnpike SB Off-Ramp – ITS Gap
- a. **Disaster Response and Evacuation**
 - Evacuation Route
 - b. **Freight Mobility**
 - Truck Parking
 - b. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Population
31. SR 50/Colonial Dr. from FL Turnpike NB Off-Ramp to FL Turnpike SB Off-Ramp – ITS Gap
- a. **Fiber, CCTV, Data Collection; Disaster Response and Evacuation**
 - Communication, Evacuation Route
32. US 192/Irlo Bronson Memorial Hwy. from SR 429 SB On/Off Ramps to SR 429 NB On/Off Ramps – ITS Gap
- a. **Active Arterial Management Disaster Reduction and Evacuation**
 - Volume-to-Capacity, Evacuation Route
 - b. **Freight Mobility/Signal Priority, Transit Signal Priority**
 - Commercial Vehicle Traffic, Transit Ridership
33. Winter Garden Vineland Rd. from SR 429 SB On/Off Ramps/Stoneybrook West Pkwy to SR 429 NB On/Off Ramps/Stoneybrook West Pkwy – ITS Gap
- a. **Queue Jump**
 - Express/Critical Route
34. West Rd. at SR 429 SB On/Off Ramps – ITS Gap
- a. **Disaster Response and Evacuation**
 - Evacuation Route
 - b. **Dynamic Fare Reduction**
 - EJ Population
35. New Independence Pkwy. from SR 429 SB On/Off Ramps to SR 429 NB On/Off Ramps – ITS Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication

ADVANCED ITS PROJECTS

In addition to the above strategies, the following corridors have the potential for implementing Advanced ITS through a combination of the following strategies, as applicable, that include: Connected/Automated Vehicles, Emergency Vehicle Preemption, Transit Signal Priority, Automated Traffic Signal Performance Measures, Bike/Ped Safety, and Artificial Intelligence.

1. CR 431 (Pine Hills Rd.) from Old Winter Garden Rd. to Beggs Rd.
2. CR 526 (Old Winter Garden Rd.) from Good Homes Rd. to John Young Pkwy.

3. CR 435 (Hiawassee Rd.) from Old Winter Garden Rd. to Maitland Blvd. (SR 414)
4. CR 437 (Clarcona Ocoee Rd.) from SR 429 to Edgewater Dr.
5. CR 424 (Edgewater Dr.) from Rose Ave. to Forest City Rd.
6. CR 439 (Conroy Windermere Rd./Conroy Rd.) from S Apopka Vineland Rd. to Hidden Beach Blvd.
7. CR 435 (Apopka Vineland Rd.) from SR 50 (Colonial Dr.) to AD Mims Rd.
8. CR 527A (Landstreet Rd.) from US 17 to S Orange Ave.
9. CR 528A (Oak Ridge Rd.) from Harcourt Ave. to WInegard Rd.
10. CR 423 from Sand Lake Rd. (SR 482) to 33rd St.
11. Universal Blvd. from Central Florida Pkwy. To Sand Lake Rd.
12. CR 527 (Orange Ave.) from Town Center Blvd. to Sand Lake Rd. (SR 482)
13. Wetherbee Rd. from US 17/92 to Landstar Blvd.
14. CR 535 from SR 429 to Apopka Vineland Rd
15. CR 435 (S Apopka Vineland Rd.) from CR 535 to Steer Lake Rd.
16. Town Center Blvd. from Town Loop Blvd. to Landstar Blvd.
17. University Blvd. from Semoran Blvd. to Alafaya Trl.
18. SR 434 (Alafaya Trl.) from Curry Ford Rd. to SR 50
19. Lake Underhill Rd. from SR 436 to Woodbury Rd.
20. Curry Ford Rd. from Goldenrod Rd. to Dean Rd.
21. Lake Underhill Rd. from SR 436 to Woodbury Rd.
22. Curry Ford Rd. from Goldenrod Rd. to Dean Rd.
23. Avalon Park Rd. from Crown Hill Blvd. to SR 50
24. CR 15 (Narcoossee Rd.) from Luminary Blvd. to SR 417
25. Rouse Rd. from Lake Underhill Rd. to University Blvd.
26. CR 425 (Dean Rd.) from Curry Ford Rd. to University Blvd.
27. US 441 from Michigan St. to Hunters Creek Blvd./Falcon Trace Blvd.

CITY OF ORLANDO

1. Garland Ave. from South St. to SR 50 – ITS Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density, Sunrail Stations/Crossings, Ridership
 - e. **Dynamic Fare Reduction**
 - EJ Populations
2. US 441 from Columbia St. to 29th St. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, and Bicycle/Pedestrian Crash Rate
 - b. **Integrated Corridor Management**
 - Level of Travel Time Reliability
 - c. **Signal ATMS**
 - Multimodal Hubs
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density, Sunrail Stations/Crossings, Ridership
 - e. **Dynamic Fare Reduction**
 - EJ Populations
 - f. **Fiber, CCTV, Data Collection**
 - Communication
3. US 441 from Lee Rd. to Princeton St. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management**
 - Crash Rate, Fatal/Serious Injuries
 - b. **Integrated Corridor Management, Active Arterial Management**
 - Level of Travel Time Reliability, Volume-to-Capacity
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density, Sunrail Stations/Crossings, Ridership
 - e. **Dynamic Fare Reduction**
 - EJ Populations
 - f. **Fiber, CCTV, Data Collection**
 - Communication
4. US 441 from Gore St. to Columbia St. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Integrated Corridor Management**
 - Level of Travel Time Reliability
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-route Driver Information/Route Guidance**
 - Stop Density, Sunrail Stations/Crossings, Ridership

- e. **Dynamic Fare Reduction**
 - EJ Populations
 - f. **Fiber, CCTV, Data Collection**
 - Communication
5. US 441 (OBT) from City Limits to City Limits – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, data collection**
 - Communication
 - c. **Signal ATMS, Transit Signal Priority, En-route Driver Information/Route Guidance**
 - Multimodal Hub, Ridership, Sunrail Stations/Crossings
 - d. **Dynamic Fare Reduction**
 - EJ Population
 6. South St. from Rio Grande Ave. to Division St. – ITS Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Stop Density, Sunrail Stations/Crossings
 - e. **Dynamic Fare Reduction**
 - EJ Population
 7. Hughey Ave. from South St. to SR 50 – ITS Gap
 - a. **Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Bicycle/Pedestrian
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Sunrail Stations/Crossings
 - e. **Dynamic Fare Reduction**
 - EJ Populations
 8. Silver Star Rd. (SR 438/416) from Pine Hills Rd. to Rio Grande Ave. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection; Active Arterial Management**
 - Communication, Volume-to-Capacity
 - c. **En-Route Driver Information/Route Guidance, Transit Signal Priority**
 - Sunrail Stations/Crossings, Ridership
 - d. **Dynamic Fare Reduction**
 - EJ Populations
 9. US 441 from Princeton St. to Gore St. – Communication Gap
 - a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate

- b. **Integrated Corridor Management**
 - Level of Travel Time Reliability
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density and Sunrail Stations/Crossings, Ridership
 - e. **Dynamic Fare Reduction**
 - EJ Populations
 - f. **Fiber, CCTV, Data Collection**
 - Communication
10. Church St. from John Young Pkwy. to Rosalind Ave. – ITS Gap
- a. **Bicycle/Pedestrian Safety Systems**
 - Bicycle/Pedestrian
 - b. **Integrated Corridor Management; Fiber, CCTV, Data Collection**
 - Level of Travel Time Reliability, Communication
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Stop Density, Sunrail Stations/Crossings
 - e. **Dynamic Fare Reduction**
 - EJ Populations
11. Anderson St. from US 441 to Division St. – ITS Gap
- a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Signal ATMS**
 - Multimodal Hub
 - d. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - LYNX System Headway, Stop Density, Sunrail Stations/Crossings
 - e. **Dynamic Fare Reduction**
 - EJ Populations
12. Michigan Ave. from Rio Grande Ave. to Orange Ave. – Communication Gap
- a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Active Arterial Management**
 - Volume-to-Capacity
 - c. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density, Sunrail Stations/Crossings, Ridership
 - d. **Dynamic Fare Reduction**
 - EJ Populations
 - e. **Fiber, CCTV, Data Collection**
 - Communication
13. Kaley St. from I-4 to Orange Ave. – ITS Gap
- a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **Fiber, CCTV, Data Collection**

- Communication
 - c. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - d. **Dynamic Fare Reduction**
 - EJ Populations
14. Pine St. from Garland Ave. to Rosalind Ave. – ITS Gap
- a. **Adaptive Signal Control, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Bicycle/Pedestrian Crash Rate
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Populations
15. Amelia Ave. from US 441 to Highland Ave. – ITS Gap
- a. **Traffic Incident Management, Adaptive Signal Control**
 - Fatal/Serious Injuries
 - b. **Fiber, CCTV, Data Collection**
 - Communication
 - c. **Transit Signal Priority, En-Route Driver Information/Route Guidance**
 - Stop Density, Transit Ridership, Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Population
16. Washington St. from Garland Ave. to Rosalind Ave. – ITS Gap
- a. **Adaptive Signal Control, Traffic Incident Management, Bicycle/Pedestrian Safety Systems**
 - Crash Rate, Fatal/Serious Injuries, Bicycle/Pedestrian Crash Rate
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Population
17. Bentley Ave./Livingston St. from Mills Ave. to Parramore Ave. – ITS Gap
- a. **Integrated Corridor Management**
 - Level of Travel Time Reliability
 - b. **Queue Jump, En-Route Driver Information/Route Guidance**
 - Express/Critical Route, Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Population
18. Division St. from Gore St. to Michigan Ave. – Communication Gap
- a. **Freight Mobility/Signal Priority, Signal ATMS**
 - Commercial Vehicle Traffic, Multimodal Hub
 - b. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - c. **Dynamic Fare Reduction**
 - EJ Population
19. Tampa Ave. from SR 50/Colonial Rd. to Orange Center Blvd. – Communication Gap
- a. **Fiber, CCTV, Data Collection**
 - Communication
 - b. **Signal ATMS**
 - Multimodal Hub

- c. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - d. **Dynamic Fare Reduction**
 - EJ Population
20. Jeff Fuqua Blvd. (Full Segment) – Communication Gap
- a. **Integrated Corridor Management**
 - Regional Project
 - b. **Transit Signal Priority, Queue Jump**
 - LYNX System Headway, Express/Critical Route
 - c. **Fiber, CCTV, Data Collection**
 - Communication
21. Commander Dr. from Pershing Ave. to Hoffner Ave. – ITS Gap
- a. **Integrated Corridor Management**
 - Level of Travel Time Reliability
22. Princeton Ave. from Rio Grande Ave. to Westmoreland Dr. – Communication Gap
- a. **En-Route Driver Information/Route Guidance**
 - Sunrail Stations/Crossings
 - b. **Fiber, CCTV, Data Collection**
 - Communication

ADVANCED ITS PROJECTS

In addition to the above strategies, the following corridors have the potential for implementing Advanced ITS through a combination of strategies, as applicable, that include: Connected/Automated Vehicles, Emergency Vehicle Preemption, Transit Signal Priority, Automated Traffic Signal Performance Measures, Bike/Ped Safety, and Artificial Intelligence.

1. John Young Pkwy. from I-4 to SR 50
2. South St./Lake Underhill Rd. from Division Ave. to Oxalis Dr.
3. US 441 from Clarcona Ocoee Rd. to SR 423
4. Vineland Rd. from Turkey Lake Rd. to L B McLeod Rd.
5. Michigan St. from Orange Ave. to Homeland St.
6. Narcoossee Rd. from 417 EB Off-Ramp to Conway Rd.
7. International Dr. from Orange County Limits to Oak Ridge Rd.
8. Lee Vista Blvd. from SR 436 to 417 On/Off-Ramp
9. Princeton St. from Westmoreland Dr. to US 17/92
10. Dowden Rd. from Randal Park Blvd. to Story Time Dr.



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