Smart Region Master Plan

How smart technologies and strategies will create a safer, more efficient and reliable transportation system to improve our region’s economic competitiveness, sustainability and quality of life.
$3.5\text{ billion}

In economic losses

218

Lives lost

30,000

Crashes

SAFETY
Pedestrian Crashes per 100,000 Population

- Broward: 2.03
- Hillsborough: 2.58
- Miami-Dade: 2.63
- State of Florida: 2.73
- Seminole, Orange & Osceola: 2.79
- North Florida: 3.55
Pedestrian Avoidance Systems
Rail Crossing Notification Systems
Violent Crimes: 7,012
Firearms: 3,108

Gunshot Warning Systems
10% Increase in congestion from 2010-2015

$0.9 billion In economic losses per year

18% Increase in regional gross product

160 million tons Freight per day

10% Increase in congestion from 2010-2015

< 1% Use of alternate modes

MOBILITY
Greenwave Systems
Gate Notification and Parking Systems
Automated Vehicle Systems
• JTA AV Demonstration Bay Street*
• JTA U2C Skyway Modernization Program*
• Naval Air Station Jacksonville
• St. Augustine
• Town Center
• University of North Florida
• Dames Point/Intermodal Container Transfer Facility**

* Projects already under consideration by partner agencies. ** Project evaluated and not feasible.

Automated Vehicle Systems
ELECTRIFICATION
Smart Lighting Systems

- HPS: 610 kWh
- LED: 307 kWh

[http://www.continental-corporation.com]
Solar Road Pilot
Clean Fuels

- 165% Return on investment
- 800 million kgs GHG emissions avoided
- 95 million gallons Displaced petroleum
OWN THE TRIP, NOT THE CAR™

Car Sharing Incentives
First Mile/Last Mile Incentives
DATA MANAGEMENT
Fiber and Wireless Communications
Smart Region Master Plan

• 33 projects
• 30 stakeholder agency participants
• $34 million in long-range transportation plan

• Ongoing Activities
  • City of Jacksonville Smart Lighting
  • University of North Florida Big Data
  • JTA’s AV Initiatives
  • Smart Region Coalition
  • Building Private Sector Partnerships
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