

# Florida Ave Integrated Corridor Management Program (ICM) FPID: 443444-2


















Ed Albritton, ITS Project Manager

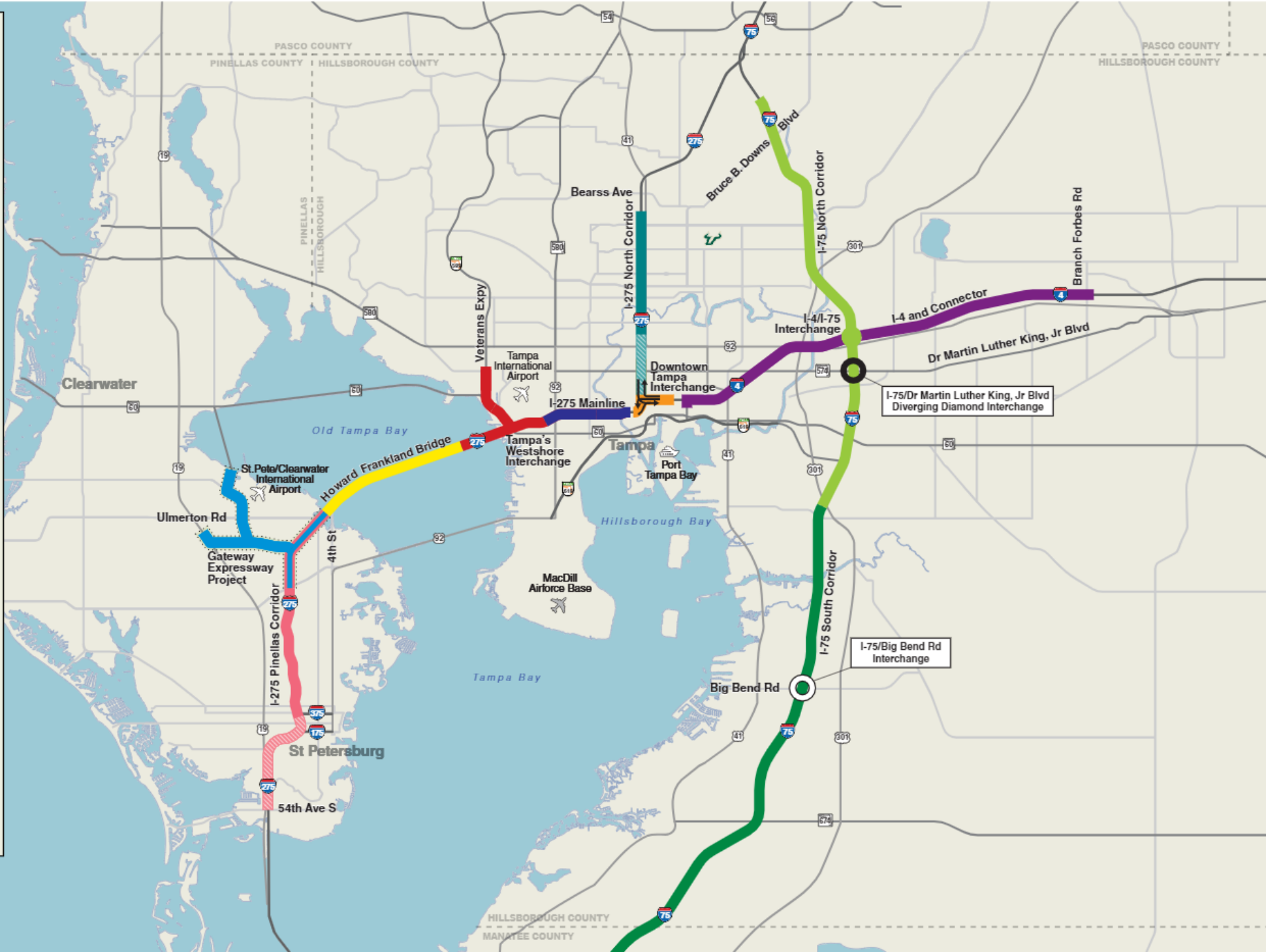


**Plan  
Hillsborough**

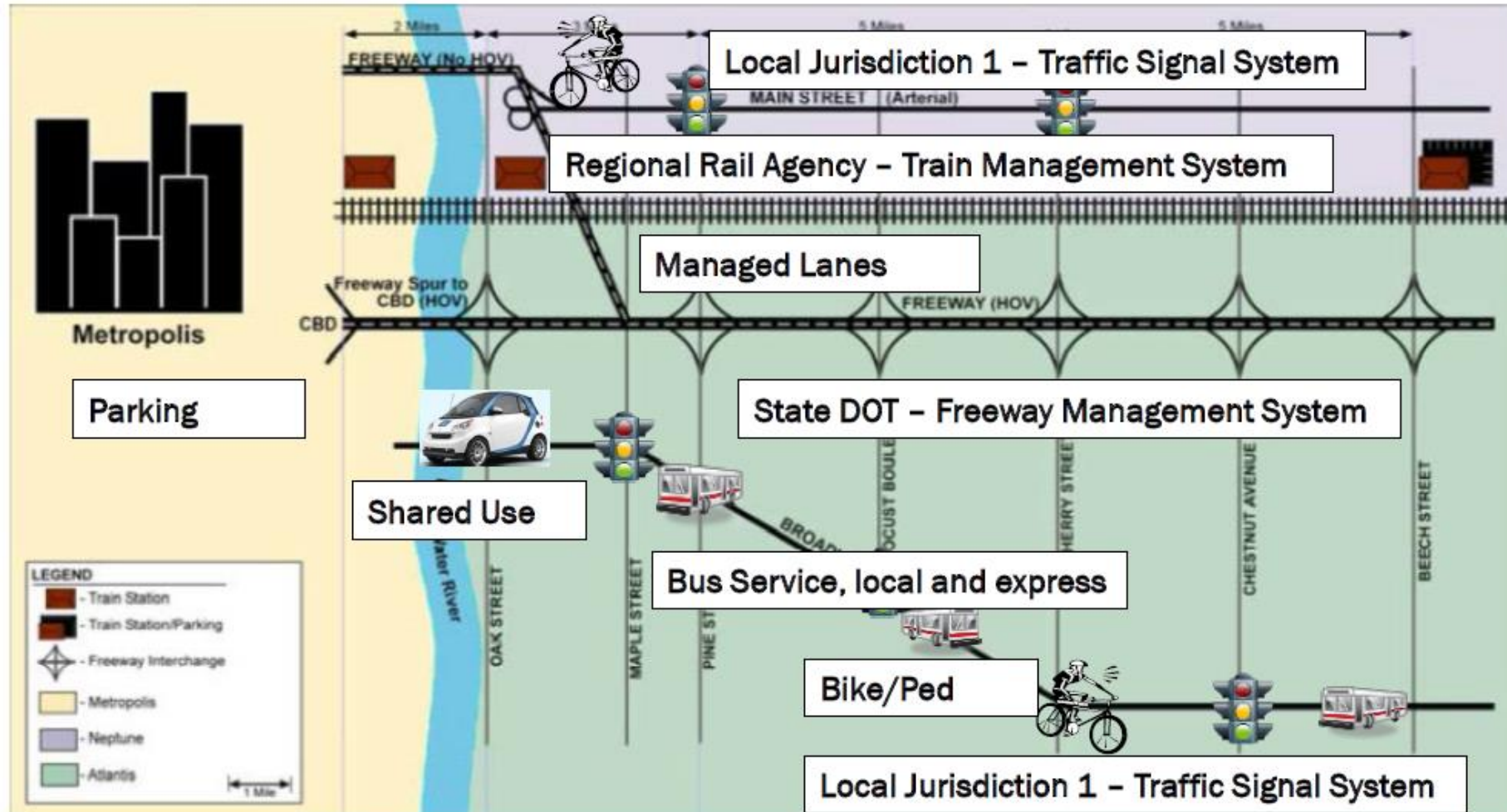




-  **Gateway Expressway**  
(FPIDs 433880-1-52-01, 424501-52-01)
-  **Section 2 - I-275 Pinellas Corridor**  
Phase I (FPID 424501-5-52-01)  
 Phase II (FPID 424501-7-52-01)
-  **Section 3 - Howard Frankland Bridge**  
(FPIDs 422904-2-52-01, 424904-4-52-01)
-  **Section 4 - Tampa's Westshore Interchange**  
(FPID 433535-7-52-01)
-  **Section 5 - I-275 Mainline**  
(FPID 434045-2-52-01)
-  **Section 6 - Downtown Tampa Interchange**  
 Southbound I-275 to Eastbound I-4  
(FPID 445057-1-52-01)  
 Westbound I-4 to Northbound I-275  
(FPID 445056-1-52-01)  
 Westbound I-4 to Southbound I-275  
(FPID 445056-2-52-01)
-  **Section 7 - I-275 North Corridor**  
Phase I (FPIDs 443770-1-52-01, 431821-2-52-01)  
 Future Phases (FPIDs 431821-3-52-01, 431821-4-52-01)
-  **Section 8 - I-4 Corridor**  
(FPID 431746-3)
-  **Section 9 - I-75 North Corridor**  
(FPID 419235-6)
-  **Section 10 - I-75 South Corridor**  
(FPID 419235-5)
-  **I-75/Dr Martin Luther King, Jr Blvd Interchange**  
(FPID 429251-1-52-01)
-  **I-75/Big Bend Rd Interchange**  
(FPID 424513-3-52-01)



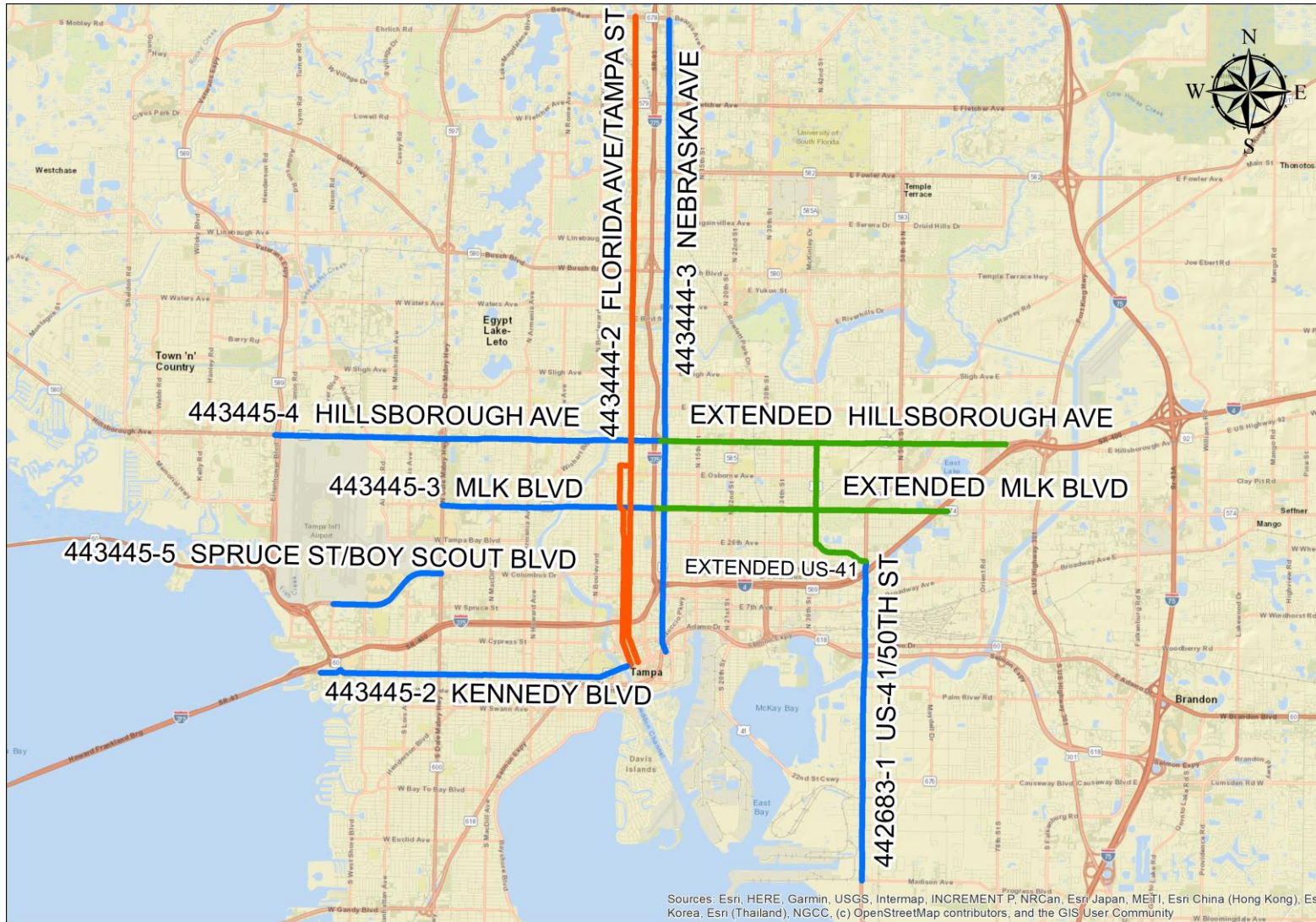
# ICM optimizes traffic across paths and modes



# ICM provides multiple benefits

- Reduce Delay – Vehicle Hours of Delay (VHD)
- Improve Travel Time Reliability – Planning Travel Time Index (PTI) and Travel Time Index (TTI)
- Improve Safety – Comprehensive Crash Cost by KABCO scale

# Key State Highways for ICM

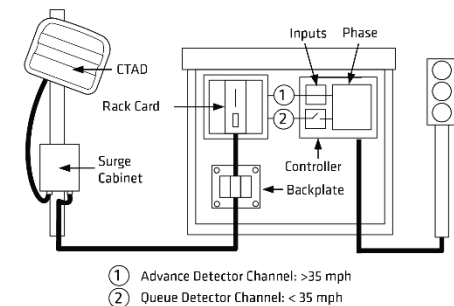
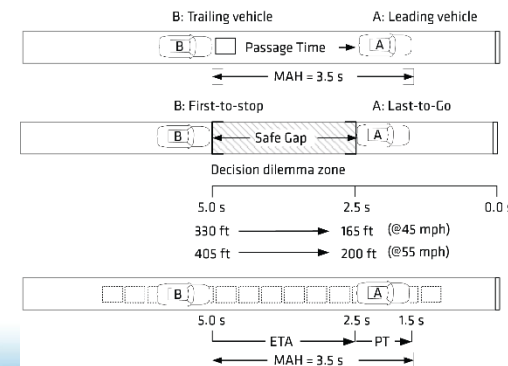
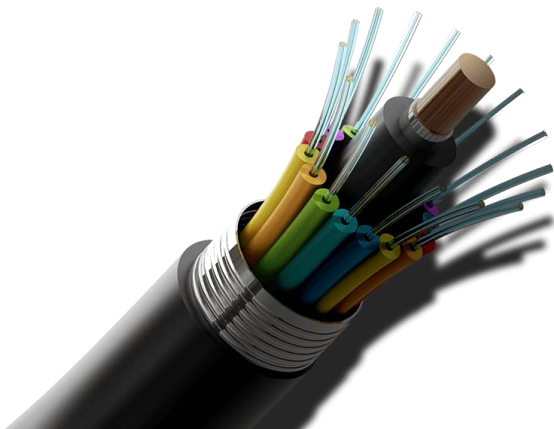


- LEGEND**
- Project Limits
  - Extended
  - Florida Ave/Tampa St
- Corridors**

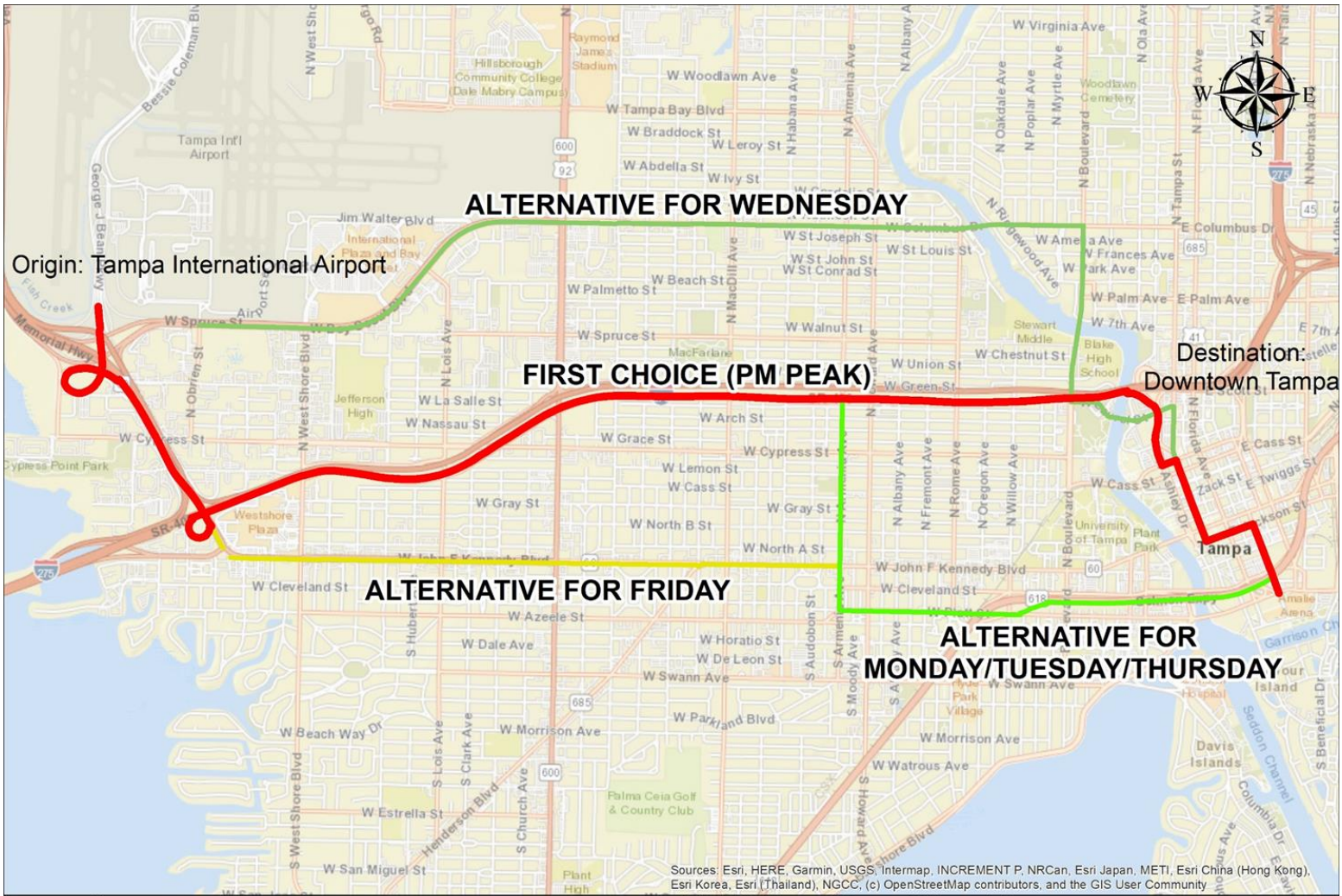


# Focus on field intelligence

- Roadside Unit (RSU)
- ATSPM Signal Controller
- Bluetooth
- Blank out DMS
- Fiber Optic Communications

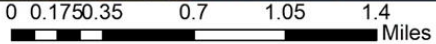


# Verify right routes are selected



**Legend**

- First Choice Path
- Alternative for Friday
- Alternative for Monday/Tuesday/Thursday
- Alternative for Wednesday



# Adjacent Projects impact ICM Needs

- City of Tampa ATMS (under construction thru 2023)
  - Adds 110 mi Fiber Optic Communications
  - Upgrade Signal Cabinets and Controllers
  - A few CCTV, RSU and MVDS added
- I-4 FRAME (90% Design in July 2021)
  - Add lots of RSU's
  - Add BlueTooth, GPS Sensors, CCTV
  - Add VDS, Blank-out Signs

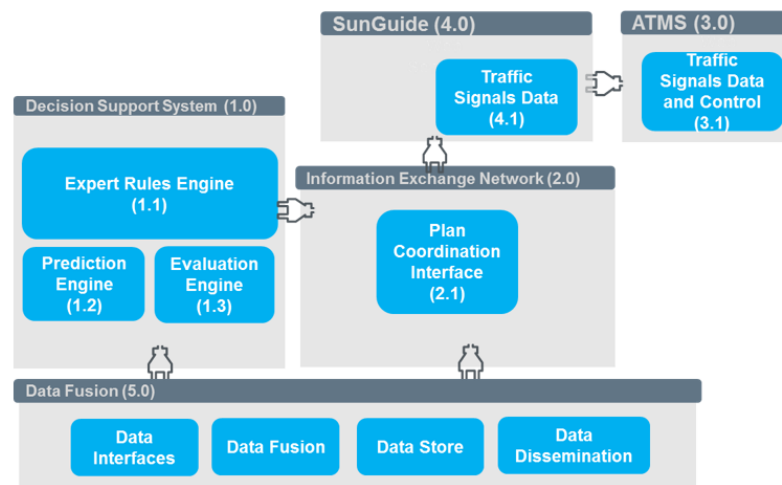


# Summary of ICM Project

Street	# Signals	Bluetooth	New Controller	RSU	Advanced Detection	Blankout DMS	CCTV	Fiber Optic (LF)
SR 574, MLK St.	21	9	3	0	28	40	0	12,000
SR 616, Boy Scout	5	2	5	3	6	28	3	0
US 92, Hillsborough Ave	20	11	7	0	32	62	5	2,500
SR 60, W Kennedy	18	2	8	7	6	26	2	2,400
USB 41, Florida Ave/Tampa St	50	11	4	15	38	34	12	3,200
Nebraska Ave	30	4	5	8	36	84	3	7,200
US 41, N 40 <sup>th</sup> St	5	2	3	3	16	12	3	4,000
<b>TOTAL</b>	<b>122</b>	<b>34</b>	<b>25</b>	<b>23</b>	<b>120</b>	<b>198</b>	<b>24</b>	<b>24,600</b>

# District examining various options to operate system

1. Perform basic ITS/Signal Device Control
2. Develop an instance of D5 ICM DSS
3. Develop D7 ICM DSS or approach



# Planning Cost Estimate

Street	FPID	Length (mi)	FUNDING (\$ M)
SR 574, MLK St. to Nebraska	443445-3	3.194	\$3.050
SR 574, MLK to I-4		4.347	\$2.459
SR 616, Boy Scout	443445-5	1.791	\$1.357
US 92, Hillsborough Ave	443445-4	5.772	\$2.873
US 92, Hillsborough to I-4			\$2.700
SR 60, W Kennedy	443445-2	4.632	\$3.399
USB 41, Florida Ave/Tampa St	443444-2	12.871	\$4.441
Nebraska Ave		9.463	\$4.180
50th Street, Madison to N 48th	442683-1	4.899	\$2.069
40 <sup>th</sup> Street, N 48 <sup>th</sup> to Hillsborough		2.186	\$2.700
<b>TOTAL</b>		<b>53.927</b>	<b>\$29.228</b>

# Schedule – Next Steps

- October 18, 2021 – Advertise Adjusted Score D/B RFP
- December 6, 2021 – Shortlist date
- March 30, 2022 – Technical Proposals Due
- May 12, 2022 – Price Proposals Due
- June 13, 2022 – Contract Award