## District 7 High Injury Network Efforts in 2022

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#### Safety Actions at the District 7 Level







### D7 Enhanced Law Enforcement Engagement Program (ELEE)











Agency: Peter Hsu PD Points to date: 2,000			
	Quantity	Point "cost"	Total
Items	Quantity	-100	0
LTI Tru Speed S binocular style speed laser	3	-200	-600
LTI Tru Speed LR binocular style speed laser LTI Tru-Point 300 small incident mapping system		-300	0
	1	-350	-350
Stalker Dual SL moving radar with 2 antennae		-350	0
Kustom Signal Pro Laser 4 Stalker Dual DSR-2X same direction moving radar	2	-500	-1,00
Stalker Dual DSR-2X same direction moving radar	-		
LTI Long-Range mapping system TP200x w/ Faro Zone		-620	0
Decatur On-Site 300 MX Speed feedback trailer		-850	0
Wanco portable light tower trailer system		-1000	0
Nighthawk-BTX Series Imager		-4000	0
Nighthawk-Blk Series illiager			
TOTAL POINS EARNED			1,95
TOTAL POINTS REDEEMED			0
BALANCE			50

- 22 Participating Agencies in 5
   Counties = Over 11,000
   Enforcement hours donated.
- Kicked off on February 14<sup>th</sup>, 2022
- Ended on August 14th, 2022
- Incentives included Speed Trailer, Lights Tower, Speed Radars ...





#### Law Enforcement Safety Grants

- The new Highway Safety Plan (HSP) grant allocation for Fiscal Year 2023 includes over \$3 million for Hillsborough law enforcement agencies including Tampa Police Department, Hillsborough County Sherriff's Office, Temple Terrace Police Department, and Plant City Police Department.
- These grants provide funds for overtime enforcement programs in several areas including:
  - Work Zone Safety
  - Motorcycle Safety
  - Seatbelt Safety
  - Impaired Driving
  - Speeding and Aggressive Driving
  - Teen Driver Safety
- In addition to HSP grants, Hillsborough has received a series of Pedestrian & Bicycle High Visibility overtime contracts totaling over \$200,000.

Hillsborough County	\$ 248,472.62
Hillsborough County Sheriff's Office	\$ 103,562.10
Plant City Police Department	\$ 2,834.64
Tampa Police Department	\$ 128,847.53
Temple Terrace Police Department	\$ 13,228.35

Florida
Department of
Transportation





FY 2023 Highway Safety Plan



Ron DeSantis Florida Governor Jared W. Perdue, P.E. FDOT Secretary





#### Vision Zero Workshops

- FDOT has begun to hold Vision Zero Workshops for local agencies, including Hillsborough County and City of Tampa.
- These workshops focus on educating local officials on their role in eliminating fatal and severe injury crashes on our roadways.
- The topics covered in these workshops include:
  - Fatal crash trends both nationally and locally.
  - Overviews of Vision Zero and the Safe Systems approach and how local agencies fit into each.
  - Countermeasures and resources to address crash trends.











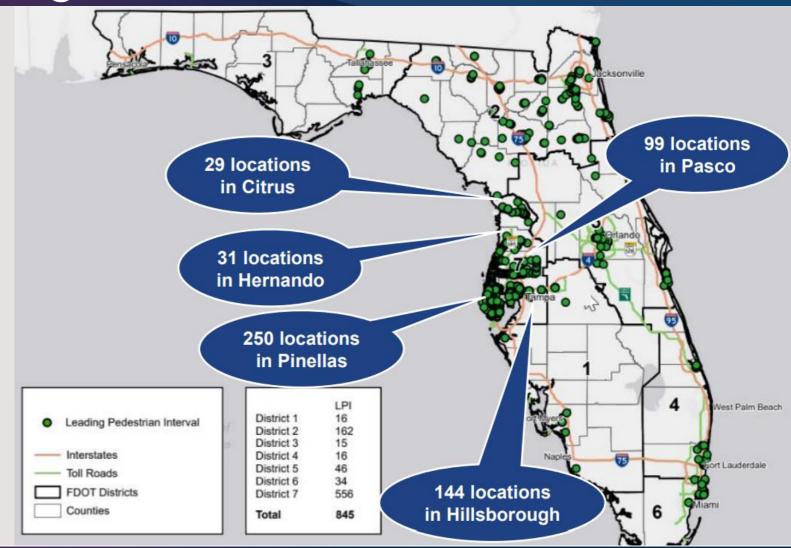




# Leading Pedestrian Interval (LPI) along State Roads

- 556 signalized intersections in D7 with LPI
- More locations have been identified and are currently in the works.
- Some challenges:
  - Old or incompatible signal equipment
  - Shortage of expertise and manpower in smaller Counties
- Before & After Evaluation Data collection phase ongoing

D7 has 2/3 of LPIs implemented in FL

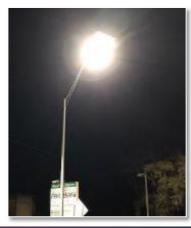


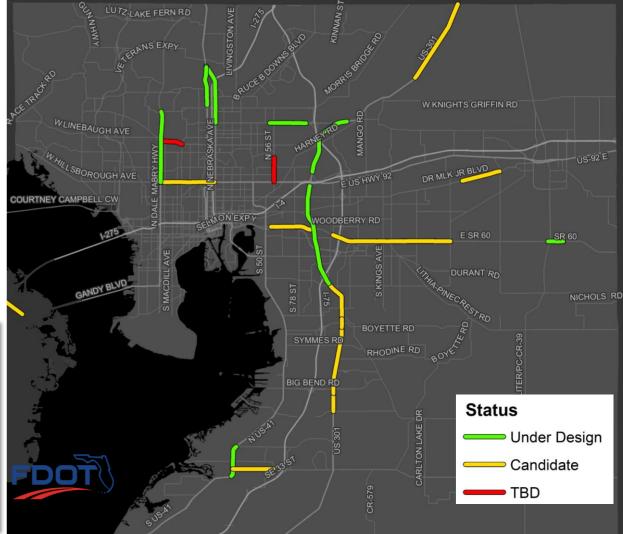




#### Districtwide Lighting Retrofit

- District 7 continues LED lighting retrofit projects for all FDOT owned poles for on-system corridors.
- Work with electric companies to upgrade and install new lighting.
- How locations become a candidate:
  - Ask the question: Is there enough lighting?
  - Look at lighting placement.
  - Evaluate based on crash data.
  - Gather lighting data on site.
- Ongoing <u>Districtwide Lighting Level</u>
  <u>Measurement</u> on all state roadways
  to aid in enhancing safety in a
  pro-active approach.



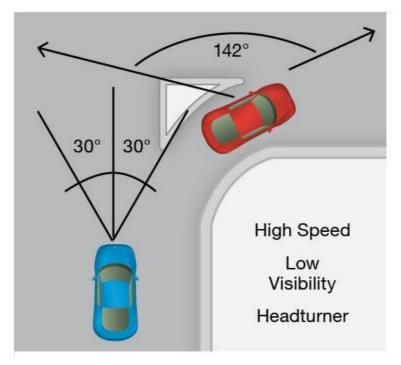




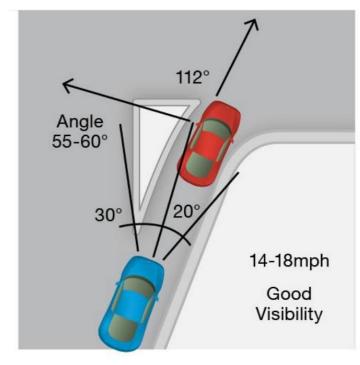


#### Evaluation of turning radii improvements

- Installed "Tight Right-Turn Lanes" (TRTLs) at 6 locations along Fowler Ave.
- These improvements encourage slower turning speeds and allow drivers and pedestrians to easily see each other.
- A before and after study conducted at 3 of the 6 locations found:
  - Reduced right turn speed by 9.5%
  - Increased yielding-to-pedestrian rate by 7%; 32% in nighttime conditions.



**Traditional Wide Design** 



**New Tight Design** 





#### Before and After Evaluation

-High Friction Surface Treatment (HFST)

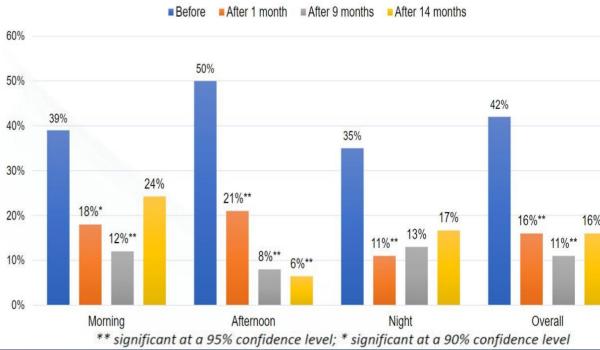
- D7 teamed with FHWA DC HQ to pilot HFST at 3 signalized intersections starting 2019
- HFST Locations can be intersections, ramps, or curves.
- Ongoing Before and After video evaluations pilot projects Findings are adopted by FHWA for national roll out on 10/26/22.



Comparison of Improper Stopping Behavior Rate at Hillsborough @ Central Ave, Tampa

# Improper Stopping Behaviors 2020-07-18 5:08:37 PM







Vehicles stop after the stop bar when the signal is red.



#### \$400K Safety Outreach Fund

- FDOT Has provided \$400,000 to the Center for Urban Transit Research (CUTR) at the University of South Florida to be used for safety outreach along select High Injury Network corridors.
- This investment will allow for increased engagement along 7 HIN corridors and includes the development of a social marketing campaign.
- The 7 selected corridors are:
  - 50<sup>th</sup>/56<sup>th</sup> Street from Martin Luther King Boulevard to Hillsborough Avenue
  - 56<sup>th</sup> Street from Sligh Avenue to Busch Boulevard
  - SR 60/Adamo Drive from Orient Road to Falkenburg Road
  - Florida Avenue Waters Avenue to East Bougainvillea Avenue
  - Nebraska Avenue from Columbus Drive to East Hanna Avenue
  - Sheldon Road from Hillsborough Avenue to Waters Avenue
  - 15<sup>th</sup> Street (Fowler Avenue to Fletcher Avenue)

















#### Signal Cabinet Wraps

- Installed signal cabinet wraps at 89 locations in D7, 52 of which are on HIN corridors.
- These designs feature road users that represent our diverse communities and display safe walking/biking behavior.





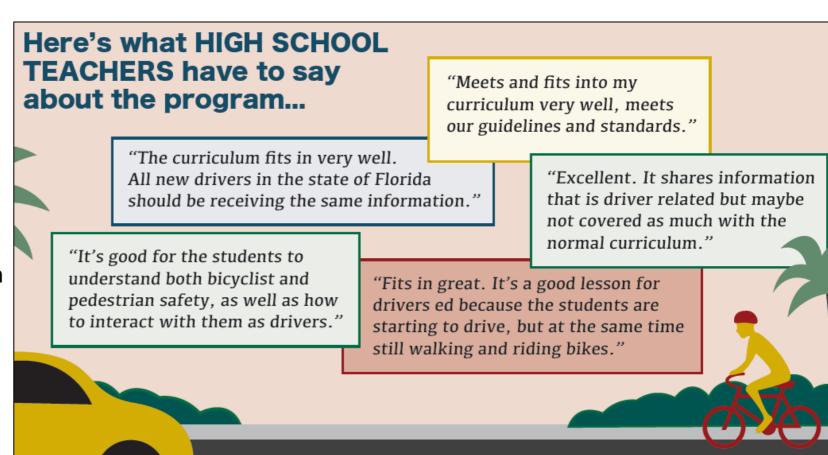






#### Teen Traffic Safety Education

- Visited 46 schools this Fall, 10 of which are directly on HIN corridors, 22 of which are within 2 miles of a HIN corridor.
- We use these presentations as an opportunity to teach these students about safe driving behavior and traffic laws.
- These presentations allow us to reach an important group of road users that can at times be difficult to reach with traditional educational efforts.
- So far, we have taught 390 classes and reached over 8,600 students.







#### Questions?



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