



# Hillsborough MPO

## Metropolitan Planning for Transportation

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Executive Director

## Meeting of the Intelligent Transportation Systems Committee

Thursday, January 10, 2019, 1:30 p.m.

### I. Call to Order

### II. Public Comment - 3 minutes per speaker, please

### III. Approval of Minutes – October 11, 2018

### IV. Action Items

A. Attendance Review & Declaration of Vacant Seats (Johnny Wong, MPO Staff)

B. Election of Officers (Johnny Wong, MPO Staff)

C. Multimodal Level of Service Evaluation (Sarah McKinley, MPO Staff)

D. 2019 Safety Performance Targets (Johnny Wong, MPO Staff)

### V. Status Reports

A. Signal Cycle Lengths/Signal Re-timings in New Tampa (Brandon Campbell, City of Tampa)

B. Regional Data Sharing Platform: Pilot Using TMC Data (CUTR Representative)

### VI. Old Business & New Business

A. Streelight Data Demo on January 24<sup>th</sup> in Plan Hillsborough Room

### VII. Adjournment

### VIII. Addendum

A. Flyer – Rescheduled Cleveland Mural Painting

The full agenda packet is available on the MPO's website, [www.planhillsborough.org](http://www.planhillsborough.org), or by calling (813) 272-5940.

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Persons needing interpreter services or accommodations for a disability in order to participate in this meeting, free of charge, are encouraged to contact Johnny Wong, 813-273-3774 x370 or [wongj@plancom.org](mailto:wongj@plancom.org), three business days in advance of the meeting. Also, if you are only able to speak Spanish, please call the Spanish helpline at (813) 273-3774, ext. 211.



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**HILLSBOROUGH COUNTY  
METROPOLITAN PLANNING ORGANIZATION  
INTELLIGENT TRANSPORTATION SYSTEMS (ITS)  
MEETING OF OCTOBER 11, 2018  
MINUTES**

**I. CALL TO ORDER:**

Chairman, Mr. Vik Bhide called the last meeting of 2018 to order at 1:31 p.m. The meeting was held in the Plan Hillsborough Committee room.

**II. PUBLIC COMMENT:**

There were no public comments.

**MEMBERS PRESENT:**

- Vik Bhide ..... City of Tampa
- Fred Baxter ..... City of Plant City
- Vinny Corazza ..... City of Temple Terrace
- Brian Gentry ..... Hillsborough County Public Works
- Anna Quiñones ..... Tampa Hillsborough Expressway Authority
- Shannon Haney ..... HART
- Jeff Sims ..... Environmental Protection Commission of Hillsborough County

**OTHERS PRESENT:**

Beth Alden, Sarah McKinley, Michele Ogilvie, Johnny Wong, Wanda West, Allison Yeh, Hillsborough MPO; Alice Price, FDOT; Robert Paquin, Jacobs Engineering; Joe Molinaro, Albeck Gerken, Inc.; Kris Milster, TTS; Carlton Urban, Lucent Group, Inc.; Jay Calhoun, VIBE; Michael Fury, Gannett Fleming; Brian Pessaro, CUTR.

**III. APPROVAL OF MINUTES:**

Mr. Shannon Haney made a motion to approve the July 12, 2018 ITS meeting minutes. The motion was seconded by Mr. Jeff Sims and carried unanimously.

**IV. ACTION ITEMS**

**A. TIP Amendment: HART CAD/AVL Replacement (Sarah McKinley, MPO Staff)**

Ms. Sarah McKinley, MPO Staff, presented information on two TIP amendments: (1) Project 437639-1: Bloomingdale at US 301 Ave Intersection. This amendment will advance design of an operational improvement along Bloomingdale Avenue at US 301, adding a westbound through lane. It will help alleviate bottlenecks at intersection with traffic traveling to US 301 to I-75 to the Selmon Expressway; and (2) Project 441896-1: HART Computer-Aided Dispatch (CAD)/Automatic Vehicle Location (AVL) Bus Equipment Replacement. This is for all the technology that is on the bus. The project was funded as a MPO Priority in FY2023 and due to the urgency of the need to upgrade the equipment, HART has requested to move funds forward by swapping with bus replacement funds.

Following the presentation, there was an inquiry regarding funding for the CAD/AVL for 2023. Ms. McKinley stated that the funding is coming from the HART bus replacement. Mr. Bhide stated that he was glad to see the CAD/AVL being deployed sooner and that it complements other ongoing efforts.

**Mr. Shannon Haney made a motion to approve the TIP Amendments for the HART CAD/AVL and the Bloomindale improvements. The motion was seconded by Mr. Jeff Sims and carried unanimously.**

#### **B. MPO Autonomous Transit Feasibility Study for USF Campus (Brian Pessaro, CUTR)**

Mr. Brian Pessaro, Senior Research Associate with CUTR, presented the findings of a study to bring autonomous shuttles to the USF Campus, which is a good location for a trial because of its controlled environment, low speeds, and parking constraints. Service concepts that would complement the Bull Runner and the new IP circulator, and respond to student preferences, include a night-time shuttle and/or a shuttle to a remote parking lot. USF will consider its next steps.

Following the presentation, there was a question regarding the time between pickups. Mr. Pessaro stated that the shuttle would be operated as a fixed route. Dr. Wong commented on the survey responses regarding disability services and including other services on campus like Moffitt. Mr. Pessaro stated that it is something that they can look at in the future.

There were questions regarding the benefit over cost. Mr. Pessaro stated that a cost analysis was not included in the study. Mr. Baxter wanted to know how a student would get notified if a shuttle service was down. Mr. Pessaro was unable to provide a response. Dr. Wong wanted to know what the unique element was that would fill in the research gap that other case studies would not provide. Mr. Pessaro stated that their project is not 100% unique and there will be some duplication, but case study information is available from three universities. Ms. Yeh stated that the surrounded area around USF working with Innovation Alliance are unique. The shuttles will be stored where the bull runners are stored and none of the vehicles are ADA compliant. Mr. Bhide stated that the study may benefit from information from the USF Campus Police.

**Mr. Jeff Sims made a motion to accept the study findings. The motion was seconded by Mr. Shannon Haney and carried unanimously.**

Mr. Vinny Carazza wanted to know if it could be stated that the committee accepts the report and supports the initiative. Mr. Bhide stated that was not the requested action, but it may be stated later if necessary and that the committee's support is implicit for the concept.

### **V. STATUS REPORTS**

#### **A. Connected Traveler Initiative (Pete Costello, Iteris)**

Mr. Costello provided information on Iteris, a public private partnership initiative in cooperation with Real Time Travel, LLC (RTT), offering communities the opportunity to generate revenue from sponsorship of safety messages on full color Dynamic Messaging Signs to be installed by Iteris and RTT as part of a Connected Traveler Initiative public-private partnership (P3).

Following the presentation, Mr. Haney inquired about installation locations. Mr. Costello stated they would be willing to install anywhere. Mr. Gentry inquired about limitations. Mr. Costello stated if the right of way is owned, there is not a problem.

Mr. Bhide wanted to if they could work with FDOT. Mr. Costello stated that they are currently working with local agencies and there has been testing by USDOT. They are currently working through political issues. Dr. Wong inquired about the results of a bike ped study that was referenced in the presentation

slide. Mr. Costello stated that the case study information is available, and he will follow up with Dr. Wong.

### **B. Systemic Safety Approach to Crash Prediction (Chad Polk, Jacobs Engineering)**

Mr. Polk was not in attendance; therefore, Mr. Robert Paquin with Jacobs presented in his absence. Mr. Paquin presented information on an ITS products that could lead to an ITS solution to reduce fatal injuries that may occur on the roads.

Following the presentation, Dr. Wong inquired about risk variables. Mr. Paquin stated that they start from the ground and build up on their data. They utilize readily available data and joint it in. Mr. Bhide wanted to know if richer data sources would make the tool better. Mr. Paquin stated that most of the efforts has been from sequel data bases and he is working on how to enhance the program with richer data.

### **C. Integrated Corridor Management – I-4 FRAME (Joe Bugel, FDOT District 7)**

Mr. Bugel was unavailable to make the presentation.

### **D. LRTP Goals Discussion (Michele Ogilvie, MPO Staff)**

Mrs. Ogilvie provided the update and requested feedback from the committee on the goals. The Long-Range Transportation Plan (Imagine 2040) is being updated with a horizon year of 2045. The purpose of the update is to plan for approximately 1 million new residents that are projected to live in the Tampa Bay area in 2045. The Long-Range Transportation Plan is guided by a set of goals, objectives and policies.

Following the presentation, Mr. Carazza wanted to know where ITS falls into the existing goals. Mrs. Ogilvie stated that ITS is woven throughout the goals and will take another look at enhancing. Mr. Bhide wanted to know if any of the goals were coordinated regionally. Ms. Beth Alden stated that the MPO Chairs Coordinating Committee has created a regional long range transportation plan for the eight county area that focus on cross county travel flow that feed into regional projects.

## **VI. OLD/NEW BUSINESS**

Ms. Alice Price works with ATKINS and is housed at FDOT, represented the Tampa Bay Smart Cities Alliance and provided an overview. The Tampa Bay Smart Cities Alliance's next meeting is November 13 at the University Mall and they will send out the information. On December 5, Tech Data, one of their private partners will host a technology showcase. FDOT supports the efforts of the alliance. They want to get the community involved in some of the ongoing conversations. There were no questions following Ms. Price's update.

Mr. Bhide stated that one of the goals for the Smart Cities Alliance is to have a regional clearinghouse for discussion on all things smart cities or data. It brings in different perspectives from private sector and academia.

Dr. Wong informed the group of the third Regional Leadership Workshop being held on October 29<sup>th</sup> at the Port Tampa Bay Cruise Terminal.

**The next ITS Committee Meeting is January 10, 2019.**

## **VII. ADJOURNMENT**

**There being no further business, the meeting adjourned at 3:05 pm.**



# Hillsborough MPO Metropolitan Planning for Transportation

## Board & Committee Agenda Item

### Agenda Item

2018 Attendance Review, Declaration of Vacant Seats

### Presenter

Johnny Wong, PhD, MPO Staff

### Summary

The MPO By-Laws require that “at a minimum, committee member attendance will be reviewed annually.” The MPO may review, and consider rescinding, the appointment of any member of any committee who fails to attend three (3) consecutive meetings. No members of the ITS committee had more than three absences in 2018. There are no vacant seats.

### Recommended Action

As deemed appropriate by the committee.

### Prepared By

Johnny Wong, PhD, MPO Staff

### Attachments

None.





# Hillsborough MPO Metropolitan Planning for Transportation

## Board & Committee Agenda Item

### Agenda Item

2019 Election of Officers

### Presenter

Johnny Wong, PhD, MPO Staff

### Summary

The MPO By-Laws require that officers are to be elected at the first meeting of each year. There are no term limits for officers, therefore they can be re-elected and serve indefinitely. The By-Laws state:

*Officers of Standing Committees: The committee shall hold an organizational meeting each year for the purpose of electing a committee chair ... a committee vice-chair, and, at the discretion of the committee chair, an officer-at-large. Officers shall be elected by a majority vote of a quorum of the members.*

The current CAC officers are:

- Chairman                      Mr. Vik Bhide
- Vice Chair                     Mr. Brian Gentry
- Officer-at-large              Mr. Vinny Corazza

Members can nominate themselves or any other member. No second is needed, and each nomination is voted on individually until one member receives a majority of votes for an officer's position.

### Recommended Action

Hold ITS Election of Officers.

### Prepared By

Johnny Wong, PhD, MPO Staff

### Attachments

None.





# Hillsborough MPO Metropolitan Planning for Transportation

## Board & Committee Agenda Item

### Agenda Item

Multimodal Level of Service Update

### Presenter

Sarah McKinley, MPO Staff

### Summary

In 2017 the MPO created a White Paper looking into methodologies and best practices in calculating Level of Service (LOS) for bicycle, pedestrian and transit. From the recommendations in that report the MPO has been working with a consultant to update the methodologies used for calculating bicycle and pedestrian LOS. The effort has focused on establishing a Level of Traffic Stress (LTS) standard and apply this to the transportation network. The goal was to have a new minimum standard, and through the database maintained by the MPO, highlight corridors and intersections that could be enhanced for safety.

The MPO currently uses Florida Department of Transportation guidance that was established over 20 years ago. With new minimum design standards, it became time to revisit the methodology. The updated standards will better reflect the new innovations in bicycle and pedestrian facilities.

The task has culminated in the creation of a technical report, the Bicycle Facility Selection Toolkit, and pedestrian crossing guidance.

### Recommended Action

Recommend approval of the MMLoS Update to the MPO Board

### Prepared By

Sarah McKinley, MPO Staff

### Attachments

[Evaluating Bicycle and Pedestrian Quality of Service DRAFT Report](#)

[Bicycle and Pedestrian Toolkit DRAFT](#)

[Pedestrian Crossing Guidance Guide DRAFT](#)







# Hillsborough MPO Metropolitan Planning for Transportation

## Board & Committee Agenda Item

### Agenda Item

2019 Safety Performance Targets

### Presenter

Johnny Wong, PhD, MPO Staff

### Summary

Under the MAP-21 legislation, the Federal Highway Administration (FHWA) requires state DOTs and MPOs to adopt performance targets for five safety measures. In 2017, the Florida Department of Transportation (FDOT) set a statewide target of zero traffic deaths.

Whereas achieving zero traffic deaths is the long-term aspirational goal of the Hillsborough MPO, the FHWA has encouraged MPOs to select realistic targets based on data analysis. Using a methodology developed for the *Imagine 2040* Long Range Transportation Plan to predict performance based on different investment levels for safety projects, targets have been calculated for calendar year 2019.

For 2019, MPO staff is proposing to set safety performance targets as follows:

- Number of Fatalities: 181
- Number of Serious Injuries: 1,524
- Number of Nonmotorized Fatalities and Serious Injuries: 233
- Rate of Fatalities per 100 Million Vehicle Miles Traveled (MVMT): 1.28
- Rate of Serious Injuries per 100 MVMT: 10.78

These targets represent five-year rolling averages (2013-2017) with a 3.4% crash reduction factor applied. The 3.4% factor represents the annual reduction achievable under the high-investment level identified in the *Reduce Crashes & Vulnerability* investment program in the 2040 Long Range Transportation Plan (LRTP).

The MPO Board prioritizes projects for federal and state funding, many of which meet the criteria for safety projects under the *Reduce Crashes & Vulnerability* program. The 2018-19 Transportation Improvement Program has numerous funded projects that enhance the safety of facilities including: sidewalks connecting to schools, complete streets, and road diets along Himes Avenue, 46<sup>th</sup> Street and 34<sup>th</sup> Street. These projects will make progress toward improving safety in future years.

### Recommended Action

Recommend Approval of 2019 Safety Performance Targets

### Prepared By

Johnny Wong, PhD, MPO Staff

### Attachments

None.





# Hillsborough MPO Metropolitan Planning for Transportation

## Board & Committee Agenda Item

### Agenda Item

Signal Cycle Lengths/Signal Re-timings in Tampa

### Presenter

Brandon Campbell, City of Tampa

### Summary

The City of Tampa maintains over 550 signalized intersections within the City limits. The traffic management center (TMC) has initiated a program to re-time signals on certain corridors across the City, beginning with several in New Tampa.

Brandon Campbell will discuss the details of the re-timings, including benefits and measures-of-effectiveness.

### Recommended Action

None. For information only.

### Prepared By

Johnny Wong, PhD, MPO Staff

### Attachments

None.





# Hillsborough MPO Metropolitan Planning for Transportation

## Board & Committee Agenda Item

### Agenda Item

Regional Data Sharing Platform: Pilot Using TMC Data

### Presenter

CUTR Representative

### Summary

Since 2016, the Hillsborough MPO has been working with agency partners to create a shared transportation data archive to facilitate data access, exploration, performance measurement, and historical comparisons. There is a renewed interest to expeditiously complete this task with the collaboration of the Hillsborough MPO, CUTR, and other agency partners.

A CUTR representative will present the strategic vision for an open, scalable and secure multimodal data archive, which collects and archives data from traffic management centers, as well as highlighting the benefits and costs of custom software versus an *off-the-shelf* solution. Details will be provided to committee members regarding next steps for completing this task and to identify use cases for demonstrating the value of a shared data archive.

### Recommended Action

None. For information only.

### Prepared By

Johnny Wong, PhD, MPO Staff

### Attachments

None.



# CLEVELAND ELEMENTARY SCHOOL

# MURAL PAINTING DAY RESCHEDULED!

**JANUARY 12th**  
**10 AM - NOON**  
**723 E. Hamilton Ave.**

Join us as we paint a mural inspired by student Alex Tavares and interpreted by artist Junior Polo on the street in front of the school!

Refreshments and snacks will be provided.

For further information please contact [torresg@plancom.org](mailto:torresg@plancom.org)

