



TECHNICAL ADVISORY COMMITTEE

Ocala Citizens Service Center
201 SE 3rd Street, Ocala FL 34471
2nd Floor Training Room

January 9, 2018
10:00 AM

AGENDA

1. CALL TO ORDER AND ROLL CALL

2. PROOF OF PUBLICATION

3. ACTION ITEMS

A. TIP AMENDMENT

TIP Amendment for Oak Road Rail Crossing Improvements. This project was selected for funding to update the constant warning timing device/unit at the crossing.

B. TIP AMENDMENT

TIP Amendment for Emerald Road Rail Crossing Improvements. This project was selected for funding to update the constant warning timing device/unit at the crossing and to install gates and flashing lights.

C. SAFETY PERFORMANCE MEASURES AND TARGETS

Staff will present and is requesting approval of the following five proposed safety targets and performance measures as required by the Federal Highway Administration (FHWA) for all public roads:

- 1. Number of fatalities;*
- 2. Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT);*
- 3. Number of serious injuries;*
- 4. Rate of serious injuries per 100 Million VMT; and*
- 5. Number of non-motorized fatalities and non-motorized serious injuries.*

4. COMMENTS BY FDOT

5. COMMENTS BY TPO STAFF

6. COMMENTS BY TAC MEMBERS

7. PUBLIC COMMENT (Limited to 5 minutes)

8. ADJOURNMENT

If reasonable accommodations are needed for you to participate in this meeting, please call the TPO Office at (352) 629-8297 forty-eight (48) hours in advance, so arrangements can be made.

*The next regular meeting of the Technical Advisory Committee will be held on **February 13, 2018.***



January 5, 2017

TO: TAC/CAC Members
FROM: Kenneth Odom, Transportation Planner
RE: FY 2017/2018-2021/2022 TIP AMENDMENT

In order to ensure that the Ocala/Marion County TIP reflects the most current project information, it is necessary to periodically amend the document. Amendments to the TIP are typically required:

- To add or delete a project;
- To change the state or federal funding allocation of a project;
- To change the year of anticipated funding of a project phase;
- To change the scope of work of a project;
- To change the source of federal or state funds.

The FDOT is requesting the TIP be amended to reflect the addition of two projects. They are as follows:

- **442769-1:** Oak Road Rail Crossing #627226. Add \$43k CST – FY 2018
 - Install constant warning timing devices.
- **442770-1:** Emerald Road Rail Crossing #627225-P. Add \$78k CST – FY 2018
 - Install constant warning timing devices and flashing light.

Specific details regarding the addition of this project and the associated funding changes will be discussed at the November 28th, 2017 meeting.

If you have any questions prior to the upcoming meeting, please contact our office at 629-8297.

Cooperative and comprehensive planning for our transportation needs
Marion County • City of Belleview • City of Dunnellon • City of Ocala

121 S.E. Watula Avenue • Ocala, Florida 34471
Telephone: (352) 629-8297 • Fax: (352) 629-8240 • www.ocalamariontpo.org



EMERALD ROAD

CR 484

OAK ROAD

464

© 2017 Google

Google earth

29°05'42.14" N 82°00'12.38" W elev 92 ft eye alt 7607 ft

Tour Guide 1994

EMERALD ROAD



Google earth

© 2017 Google
© 2017 Google

Report a problem
Tour Guide

OAK ROAD

490   Exit Street View



© 2017 Google
© 2017 Google

Google earth

Imagery Date: 7/2013 29°05'15.59" N 81°59'56.84" W elev 86 ft eye alt 95 ft

[Report a problem](#)
[Tour Guide](#)



January 5, 2017

TO: TAC/CAC Members
FROM: Kenneth Odom, Transportation Planner
RE: FY 2017/2018-2021/2022 TIP AMENDMENT

In order to ensure that the Ocala/Marion County TIP reflects the most current project information, it is necessary to periodically amend the document. Amendments to the TIP are typically required:

- To add or delete a project;
- To change the state or federal funding allocation of a project;
- To change the year of anticipated funding of a project phase;
- To change the scope of work of a project;
- To change the source of federal or state funds.

The FDOT is requesting the TIP be amended to reflect the addition of two projects. They are as follows:

- **442769-1:** Oak Road Rail Crossing #627226. Add \$43k CST – FY 2018
 - Install constant warning timing devices.
- **442770-1:** Emerald Road Rail Crossing #627225-P. Add \$78k CST – FY 2018
 - Install constant warning devices and flashing light.

Specific details regarding the addition of this project and the associated funding changes will be discussed at the November 28th, 2017 meeting.

If you have any questions prior to the upcoming meeting, please contact our office at 629-8297.

Cooperative and comprehensive planning for our transportation needs
Marion County • City of Belleview • City of Dunnellon • City of Ocala

121 S.E. Watula Avenue • Ocala, Florida 34471
Telephone: (352) 629-8297 • Fax: (352) 629-8240 • www.ocalamariontpo.org



EMERALD ROAD

CR 484

OAK ROAD

464

Google earth

© 2017 Google

Tour Guide 1994

29°05'42.14" N 82°00'12.38" W elev 92 ft eye alt 7607 ft

EMERALD ROAD



© 2017 Google

© 2017 Google

Google earth

OAK ROAD

490   Exit Street View



© 2017 Google
© 2017 Google

Google earth

Imagery Date: 7/2013 29°05'15.59" N 81°59'56.84" W elev 86 ft eye alt 95 ft

[Report a problem](#)
[Tour Guide](#)



January 9 2017

TO: TAC/CAC Committee Members

FROM: Michael Daniels, Director

SUBJECT: Safety Targets and Performance Measures

Nationally, state-specific, and locally, transportation plans exist to enhance safety for all users of the transportation system. A coordinated effort to connect all of the safety plans has long been in effect in the transportation realm, but over the last two years, a system of Performance Management has led to a greater push for comprehensive and coordinated transportation and safety planning. Performance Measures for Safety have been developed by the Federal Highway Administration (FHWA), for which targets are being established cooperatively between the Florida Department of Transportation (FDOT) and MPO's within the State of Florida (as well as nationally). Through this coordinated effort, the goals of the Highway Safety Improvement Program (HSIP), Highway Safety Plan (HSP), Strategic Highway Safety Plan (SHSP), and region-specific safety and transportation plans can be shown to guide and support one another. In August of 2017, the FDOT adopted a target of "Zero" for the five (5) safety performance measures adopted by the Federal Highway Administration (FHWA) for all public roads. The Performance Measures, along with a brief description of each is provided in the following table:

Cooperative and comprehensive planning for our transportation needs
Marion County • City of Belleview • City of Dunnellon • City of Ocala

121 S.E. Watula Avenue • Ocala, Florida 34471
Telephone: (352) 629-8297 • Fax: (352) 629-8240 • www.ocalamariontpo.org

Performance Measure	Description
Number of fatalities	The total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year.
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	The ratio of total number of fatalities to the number of vehicle miles traveled (VMT, in 100 Million VMT) in a calendar year.
Number of serious injuries	The total number of persons suffering at least one serious injury in a motor vehicle crash during a calendar year.
Rate of serious injuries per 100 Million VMT	The ratio of total number of serious injuries to the number of VMT (in 100 Million VMT) in a calendar year.
Number of non-motorized fatalities and non-motorized serious injuries	The combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year.

FDOT Adopted Measures	Target	Interim Performance Measure
Number of fatalities	0	3,052
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	0	1.65
Number of serious injuries	0	20,861
Rate of serious injuries per 100 Million VMT	0	11.06
Number of non-motorized fatalities and non-motorized serious injuries	0	3,447

Upon adoption by the Florida Department of Transportation (FDOT) of a target of “Zero” and the Interim Performance Measures, the Ocala / Marion TPO, along with all the other Metropolitan Planning Organizations in the State of Florida, were given 180 days to adopt their targets for the safety measures. The TPO must adopt its Performance Measures and Targets by February 27, 2018.

MPO’s were granted the option of either adopting/supporting the State target, or establishing a specific number or rate for each performance measure. MPOs that choose to establish a rate for a target are required to report not only the estimate used for VMT to establish the target rate, but also the methodology used to arrive at the overall VMT estimate.

RECOMMENDATION

Utilizing data provided to the TPO from FDOT and the FHWA (provided below), staff has established an average result for each performance measure from the years 2011 through 2016. The averages were utilized as the 2018 target and performance measure for each Safety Measure. These resulting draft targets are as follows:

Cooperative and comprehensive planning for our transportation needs
Marion County • City of Belleview • City of Dunnellon • City of Ocala

121 S.E. Watula Avenue • Ocala, Florida 34471
Telephone: (352) 629-8297 • Fax: (352) 629-8240 • www.ocalamariontpo.org

Draft Safety Performance Measures	Target and Performance Measure
Number of fatalities	61
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	1.48
Number of serious injuries	327
Rate of serious injuries per 100 Million VMT	7.99
Number of non-motorized fatalities and non-motorized serious injuries	40

NEXT STEPS

The final proposed safety targets and performance measures for the TPO will be provided to the TPO Board at the January, 2018 Meeting for final adoption.

If you have any questions regarding the ranking of this specific project please contact me in our office at (629-8297).

Ocala / Marion County TPO Safety Targets

Number of Fatalities: 61

Based on data provided by the Florida Department of Transportation (FDOT), the average for total fatalities within Marion County on public roads between 2011 and 2016 was 61. The Ocala/Marion County TPO is recommending an interim performance measure of 61 for the year 2018, which would indicate no worsening of the condition on average.

Number of Serious Injuries: 327

Based on data provided by FDOT, the average for the number of serious injuries within Marion County region on public roads between 2011 and 2016 was 327. The Ocala/Marion County TPO is recommending an interim performance measure of 327 for the year 2018, which would indicate no worsening of the condition on average.

Fatality Rate: 1.48

Based on data provided by FDOT, the average fatality rate per 100 million VMT within Marion County on public roads between 2011 and 2016 was 1.48. The Ocala/Marion County TPO is recommending an interim performance measure of 1.48 for the year 2018, which would indicate no worsening of the condition on average.

Serious Injury Rate: 7.99

Based on data provided by FDOT, the average rate for total serious injuries within Marion County on public roads between 2011 and 2016 was 7.99. The Ocala/Marion County TPO is recommending an interim performance measure of 7.99 for the year 2018 which would indicate no worsening of the condition on average.

Total Number of Non-Motorized Fatalities and Serious Injuries: 43

Based on data provided by FDOT, the average number of non-motorized fatalities and serious injuries within Marion County on public roads between 2011 and 2016 was 43. The Ocala/Marion TPO is recommending an interim performance measure of 43 for the year 2018, which would indicate no worsening of the condition on average.

Safety Performance Targets

Calendar Year 2018 Targets *

Number of Fatalities

Describe the basis for established target, including how it supports SHSP goals.

Based on statistical forecasting, the five-year rolling average for total fatalities on Florida's roads is forecast to be between 2,716 and 3,052 in 2018. This forecast was made by combining FARS data with current state data from 2009 to 2016 to predict probable outcomes for 2017 and 2018. Florida's target for fatalities is zero in 2018. While the data forecast indicates Florida's five year rolling average for fatalities could continue to trend upward in 2017 and 2018, the FDOT State Safety Office expects the projects chosen for funding will mitigate the data forecast and ultimately reduce the number of traffic fatalities. An interim performance measure is required by our federal funding agencies to receive federal funding. We firmly believe that every life counts and although our target for fatalities is zero in 2018, Florida has forecast an interim performance measure of 3,052 to satisfy the federal requirement.

Number of Serious Injuries

Describe the basis for established target, including how it supports SHSP goals.

Based on statistical forecasting, the five-year rolling average for total serious injuries on Florida's roads is forecast to be between 18,831 and 20,861 in 2018. This forecast was made by combining FARS data with current state data from 2009 to 2016 to predict probable outcomes for 2017 and 2018. Florida's target for serious injuries is zero in 2018. The data forecast indicates Florida's five year rolling average for serious injuries could continue to trend downward in 2017 and 2018. The FDOT State Safety Office expects the projects chosen for funding will enhance this downward trend in the number of serious injuries on Florida's roads. An interim performance measure is required by our federal funding agencies to receive federal funding. We firmly believe that every life counts and although our target for serious injuries is zero in 2018, Florida has forecast an interim performance measure of 20,861 to satisfy the federal requirement.

Fatality Rate

Describe the basis for established target, including how it supports SHSP goals.

Based on statistical forecasting, the five-year rolling average for fatality rate per 100 million VMT on Florida's roads is forecast to be between 1.06 and 1.65 in 2018. This forecast was made by combining FARS data with current state data from 2009 to 2016 to predict probable outcomes for 2017 and 2018. Florida's target for fatality rate per 100 million VMT is zero in 2018. While the data forecast indicates Florida's five year rolling average for fatality rate per 100 million VMT could continue to trend upward in 2017 and 2018, the FDOT State Safety Office expects the projects chosen for

2017 Florida Highway Safety Improvement Program

funding will mitigate the data forecast and ultimately reduce the number of traffic fatalities. An interim performance measure is required by our federal funding agencies to receive federal funding. We firmly believe that every life counts and although our target for fatality rate per 100 million VMT is zero in 2018, Florida has forecast an interim performance measure of 1.65 to satisfy the federal requirement.

Serious Injury Rate

Describe the basis for established target, including how it supports SHSP goals.

Based on statistical forecasting, the five-year rolling average for serious injury rate per 100 million VMT on Florida's roads is forecast to be between 7.57 and 11.06 in 2018. This forecast was made by combining FARS data with current state data from 2009 to 2016 to predict probable outcomes for 2017 and 2018. Florida's target for serious injury rate per 100 million VMT is zero in 2018. The data forecast indicates Florida's five year rolling average for serious injury rate per 100 million VMT could continue to trend downward in 2017 and 2018. The FDOT State Safety Office expects the projects chosen for funding will enhance this downward trend in the serious injury rate per 100 million VMT. An interim performance measure is required by our federal funding agencies to receive federal funding. We firmly believe that every life counts and although our target for serious injury rate per 100 million VMT is zero in 2018, Florida has forecast an interim performance measure of 11.06 to satisfy the federal requirement.

Total Number of Non-Motorized Fatalities and Serious Injuries

Describe the basis for established target, including how it supports SHSP goals.

Based on statistical forecasting, the five-year rolling average for non-motorized fatalities and serious injuries on Florida's roads is forecast to be between 3,066 and 3,447 in 2018. This forecast was made by combining FARS data with current state data from 2009 to 2016 to predict probable outcomes for 2017 and 2018. Florida's target for non-motorized fatalities and serious injuries is zero in 2018. The data forecast indicates Florida's five year rolling average for non-motorized fatalities and serious injuries could continue to trend downward in 2017 and 2018. The FDOT State Safety Office expects the projects chosen for funding will enhance this downward trend in non-motorized fatalities and serious injuries. An interim performance measure is required by our federal funding agencies to receive federal funding. We firmly believe that every life counts and although our target for non-motorized fatalities and serious injuries is zero in 2018, Florida has forecast an interim performance measure of 3,447 to satisfy the federal requirement.

Enter additional comments here to clarify your response for this question or add supporting information.

2017 Florida Highway Safety Improvement Program

Florida shares the national traffic safety vision, “Toward Zero Deaths,” and formally adopted our own version of the national vision, “Driving Down Fatalities,” in 2012. FDOT and its traffic safety partners are committed to eliminating fatalities and reducing serious injuries with the understanding that the death of any person is unacceptable and based on that, zero deaths is our safety performance target. This target is consistent throughout our Strategic Highway Safety Plan, Highway Safety Improvement Program and Highway Safety Plan.

Florida’s data forecasts have been established using an ARIMA Hybrid Regression Model (0, 1,1) (2,0,0) (12) with VMT. Nine independent variables were tested to assess correlations; only Vehicle Miles of Travel (VMT) and gas consumption have relatively high correlations with fatalities and serious injuries and of these two variables only VMT was useful in predicting future fatalities and serious injuries. The first three performance measures (number of fatalities, number of serious injuries, and fatality rate per 100M VMT) have been forecasted based on a five-year rolling average and the remaining performance measures will be forecasted annually. The forecasts for 2017 and 2018 are based on monthly data from 2005 through 2016 using statistical forecasting methodologies.

[Source: FDOT Highway Safety Plan]

January 4, 2018

CONSTRUCTION

Financial Project No.	Description	Work Mix Description	Contractor Name	Original Amount	Original Contract Days	Work Begin	Estimated Completion	Status	Lane Closures
238693-1	SR 35 (Baseline Road) from SE 92nd Loop to SR 464	ADD LANES & RECONSTRUCT	D.A.B. CONSTRUCTORS, INC.	\$17,605,644.00	850	8/28/2015	11/11/2018	Working in all basins with embankment, subgrade, base, sidewalk, gravity wall and asphalt.	None planned
435057-1	Lighting Project at CR 484, CR 318 and SR 326	Lighting	United Signs and Signals	\$3,075,596.26	290	11/14/2017	9/8/2018	Working at CR 318 and SR 326 with Drilled Shafts and Conduit	N/A
434408	SR 40 Brooks Road	Mill and Resurface	DAB	\$413,888.88	90	12/9/2017	2/9/2018	Started work on 12/11/2017 with MOT and Erosion Control. Paving will start on 1/8/2018	Nightly lane closures for paving.
436371	US 441 North	Pavement Markings	ACKA	\$142,000.00	60	10/25/2017	12/19/2017	Completed.	
437828-1	Landscaping at I 75 at 20th and 43	Landscaping	Gainesville Landscape Contractors	\$438,500.00	800	7/27/2017	10/18/2019	Contract in plant establishment time frame now.	N/A
437818-1	Landscape at CR318	Landscaping	Frankie Valdez Co Inc.	\$407,700.00	820	10/31/2016	2/11/2019	Contract in plant establishment time frame now.	N/A
435466-1	Landscaping at I 75 at SR 200 and US 27	Landscaping	Gainesville Landscape Contractors	\$594,750.00	870	08/21/15	01/19/18	Contract in plant establishment time frame now.	N/A

TRAFFIC OPERATIONS

Financial Project No.	Description	Status
435686-1	US 441 @ SE 98th Lane	Construct left turn lanes NB & SB Directions on US 441. Design programmed in FY 2018, construction programmed in FY 2020.
436879-1	SR 200 at SW 60th Avenue Traffic Ops	Construct westbound left turn lanes design plans under review. Started on 4/18/2016, time is 60 day contract for P&S Paving (turn lane).-Complete 9/14/16. A milling and resurfacing project that ends at the intersection will pick up the eastbound dual lefts (and modifications to the southbound median), design scheduled FY 2016 and construction scheduled for FY 2019.
	SR 464 at SE 53rd Ave/Rotary Sportplex	Median opening construction and turn lane extension. Currently in Design as of 2/22/2017.
	US 27 @ CR 326	Supplemental warning beacons on signal ahead signs. Currently in Design, field meeting to be scheduled.
	SR 40 @ SR 492	Add right turn signal heads, restripe right turn lane. Waiting on design work order to be sent out.

Contact Information:

Jamie Kersey, TPO Liaison
386-943-5338

jamie.kersey@dot.state.fl.us

Mike McCammon, Ocala Operations Engineer
(352) 620-3001

Michael.McCammon@dot.state.fl.us

For additional information on these projects as well as future projects, please go to www.cflroads.com