



MPO BICYCLE PEDESTRIAN ADVISORY COMMITTEE (BPAC)

Frank Blaisdell, Indian River Shores Representative, Vice Chairman
Hal Lambert, City of Vero Beach Representative
Robert Loring, City of Fellsmere Representative
Bill Kennedy, Town of Orchid Representative
Solana Morris, Indian River County BCC Representative

Chris McCarthy - Chairman

AGENDA

The MPO BICYCLE PEDESTRIAN ADVISORY COMMITTEE (BPAC) will meet at 2:00 PM on TUESDAY, MARCH 28, 2023, in CONFERENCE ROOM B1-501, County Administration Building B, 1800 27th Street, Vero Beach, FL.

1. Call to Order
2. Approval of Minutes
January 24, 2023
Action Required
3. FDOT Presentation on the CR 510 Project Development and Environmental (PD&E) Study
No Action Required
4. Consideration of the Scope of Services for the Bicycle and Pedestrian Master Plan Update
Action Required
5. Consideration of Performance Measures for Bridge and Pavement Condition and System Performance
Action Required
6. Status Report of MPO Advisory Committees
No Action Required
7. Other Business
8. Comments from the Public

9. Adjournment

Next Meeting: June 6, 2023, 2:00 PM

If you have any questions concerning the items on this agenda, please contact MPO staff at (772) 226-1455. Anyone who may wish to appeal any decision which may be made at this meeting will need to ensure that a verbatim record of the proceeding is made, which includes the testimony and evidence on which the appeal is based. Anyone who needs a special accommodation for this meeting must contact the County's Americans with Disabilities Act (ADA) Coordinator at 772 226-1223 at least 48 hours in advance of the meeting.

For complaints, questions or concerns about civil rights or nondiscrimination; or for special requests under the American with Disabilities Act, please contact MPO staff at (772) 226-1455 or mpo@ircgov.com.

Except for those matters specifically exempted under State Statute and Local Ordinance, the Committee shall provide an opportunity for public comment prior to the undertaking by the Committee of any action on the agenda. Public comment shall also be heard on any proposition which the Committee is to take action which was either not on the agenda or distributed to the public prior to the commencement of the meeting. Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services (free of charge) should contact MPO staff at (772) 226-1455 or mpo@ircgov.com at least seven days prior to the meeting.

METROPOLITAN PLANNING ORGANIZATION BICYCLE PEDESTRIAN ADVISORY COMMITTEE

A meeting of the Indian River County (IRC) Metropolitan Planning Organization Bicycle Pedestrian Advisory Committee (BPAC) was held at 2:00 PM on January 24, 2023 in the County Administration Building "B", Room B1-501, 1800 27th Street, Vero Beach, Florida.

Note: Audio and video recordings of the meeting can be found at <http://www.ircgov.com/Boards/MPO/2023.htm>

BAC Members Present:

Chair Chris McCarthy, Sebastian Representative
Vice Chair Frank Blaisdell, Indian River Shores Representative
Vyviana Sawley, Town of Orchid Representative (Alternate)
Solana Morris, BCC Appointee

BAC Members Absent:

Vacant, City of Vero Beach Representative
Robert Loring, City of Fellsmere Representative (excused)
William Kennedy, Town of Orchid Representative (excused)

Staff in Attendance:

Brian Freeman, MPO Staff Director
Jim Mann, MPO Senior Planner
Mark Vietze, MPO GIS Planner
Patti Johnson, MPO Staff Assistant/Recording Secretary

Others Present:

FDOT: Michael Melendez
Bike Walk Indian River County (BWIRC): Danny Jaye, Barry Barker, Jim Agnew, and Hal Lambert
S&ME: Kelly Farabee

Call to Order

Chair McCarthy called the meeting to order at 2:00 PM at which time it was noted that a quorum was present.

Election of Officers.

Action Required

ON MOTION by Mr. Blaisdell, SECONDED by Ms. Morris,

the members voted (4-0) to re-elect Chris McCarthy as Chairman for the Metropolitan Planning Organization Bicycle Pedestrian Advisory Committee for 2023.

ON MOTION by Chair McCarthy, SECONDED by Ms. Morris, the members voted (4-0) to elect Frank Blaisdell as Vice Chairman for the Metropolitan Planning Organization Bicycle Pedestrian Advisory Committee for 2023.

Approval of Minutes of the BAC Portion of the Joint CAC-BAC Meeting of June 7, 2022.
Action Required

Chair McCarthy asked if there were any additions or corrections to the BAC portion of the joint meeting minutes of June 7, 2022. There were none.

ON MOTION by Ms. Morris and SECONDED by Ms. Sawley, the members voted (4-0) to approve the June 7, 2022 Metropolitan Planning Organization Bicycle Advisory Committee portion of the joint meeting minutes, as presented.

Update on Bicycle Safety Education Program in Public Schools.
No Action Required

Mr. Freeman introduced Mr. Jim Mann, MPO Senior Planner, who conducted this presentation. A copy of this presentation is on file in the MPO office. Mr. Mann stated the MPO has re-started its bike rodeo program where staff and volunteers go out to the elementary schools and teach bicycle and pedestrian safety education. The bike rodeos enhance the fundamentals of safe bicycling, proper stopping techniques when approaching intersections, the reason you should wear closed shoes and wear bright colors to assist in spotting riders, and the importance of knowing the ABC's of bicycle safety.

This program targets fourth and fifth graders and to date over 15,000 children have been trained, with more than 5,000 helmets donated and over 100 safety training events have been hosted. The MPO has conducted three rodeos since October, with five more scheduled over the next several months. If anyone would like to assist as a volunteer at any of these events, please contact the MPO office.

This is an informational item only and does not require an approval or motion.

Discussion of the Bike/Ped Master Plan Update.
No Action Required

Mr. Freeman started this presentation stating one of the items on the MPO's work schedule for the coming year is an update to the Bicycle Pedestrian Master Plan.

A copy of this presentation is on file in the MPO office. The last update occurred in 2015 and since then, there have been a lot of changes within the community. There has been more development along with new facilities that have been constructed, including the Trans-Florida Rail Trail.

Mr. Freeman stated he would like to receive input from the members and individuals in the community to help guide this process. Mr. Freeman introduced Ms. Kelly Farabee, from S&ME, whose company is one of the MPO's General Planning Consultants. In the near future the MPO will be working on a scope of services for this update. Our plan is to reach out to the community and get as much feedback as possible, whether it comes from public workshops at various locations, outreach events, or possibly virtual meetings. Virtual meetings tend to reach a larger audience, unfortunately the quality of discussion is not as effective.

Several recommendations were received from the audience, such as installing rumble strips and AVT's, having buffered bike lanes, make standards to have every project built safely incorporating these features.

Ms. Farabee commented how excited she is to hear suggestions from the members. The importance of incorporating safety measures will definitely be looked into for this update for all involved; cyclists, pedestrians and vehicles.

Mr. Mike Melendez, FDOT District 4, provided some insight into the factors that are considered when making improvements, such as different solutions for different roads, the cost factors, right of way availability, and adjusting speed limits in particular areas, etc.

Chairman McCarthy did mention there is currently a vacancy on the BPAC board. If anyone from Bike Walk Indian River County (BWIRC), lives in the city of Vero Beach, and is interested in being on the BPAC committee, contact the City of Vero Beach and fill out an application, we would be happy to have you on this board.

This is an informational item only and does not require approval or motion.

Proposed Change to 2023 Bicycle Pedestrian Advisory Committee Meeting Schedule.
Action Required

Mr. Freeman stated the MPO, along with the approved General Planning Consultant (GPC), is currently working on a scope of services for an update to the Bicycle and Pedestrian Master Plan. The plan is to take this update to the MPO's April 12th board meeting. In order for the BPAC to be able to review the scope prior to that meeting, the MPO staff is requesting the April 25th meeting move up to March 28. This will enable the BPAC to review this scope of services.

ON MOTION by Vice Chair Blaisdell and SECONDED by Ms. Morris, the members voted (4-0) to approve changing the BPAC's April 25 meeting and moving it to March 28, as requested.

Scheduling Report of FDOT Projects.

No Action Required

Mr. Freeman introduced this item, prepared by FDOT District 4, on upcoming projects and scheduled activities for the quarter. This scheduling report provides information on key milestone dates for upcoming and current FDOT projects and the project manager responsible for those projects.

This is an informational item only and does not require approval or motion.

Status Report of MPO Advisory Committees.

No Action Required

Mr. Freeman reviewed his memorandum, dated January 13, 2023, which was included in the agenda packet and on file in the MPO Office. He also noted the next meeting dates for the MPO and its advisory committees.

Other Business

There was none.

Comments from the Public

There were none.

Adjournment

There being no further business, the meeting adjourned at 3:03 PM.

INDIAN RIVER COUNTY, FLORIDA

M E M O R A N D U M

TO: Members of the Indian River County MPO Bicycle Pedestrian Advisory Committee (BPAC)

THROUGH: Phillip J. Matson, AICP
Community Development Director

FROM: Brian Freeman, AICP
MPO Staff Director

DATE: March 20, 2023

SUBJECT: **FDOT Presentation on the CR 510 Project Development and Environmental (PD&E) Study**

It is requested that the information presented herein be given formal consideration by the MPO Bicycle Pedestrian Advisory Committee (BPAC) at its meeting of March 28, 2023.

DESCRIPTION, CONDITIONS & ANALYSIS

The widening of CR 510 between CR 512 and US 1 has been the Indian River County MPO's top improvement priority for many years. Because of the scale, complexity, and funding necessary for the CR 510 corridor improvements, project management has been handled by the Florida Department of Transportation (FDOT).

In the fall of 2022, FDOT kicked off the first phase of the improvement process between 58th Avenue and US 1 (the Project Development and Environmental (PD&E) study). As part of the CR 510 PD&E study, FDOT will examine design alternatives at the intersection of CR 510 and US 1.

In addition to this phase of CR 510, FDOT has finalized the design of the portion from CR 512 to 58th Avenue. That project will widen CR 510 to four lanes, and includes multi-modal improvements such as 7-foot buffered bike lanes, sidewalks, relocation of the North County Transit Hub, and construction of a roundabout at the CR 510/66th Avenue intersection. This phase is much further along in the process.

At the March 28 meeting of the BPAC, FDOT will present the CR 510 widening project between 58th Avenue and US1, Subsequently, the project will be presented to the MPO at its April 10 meeting.

RECOMMENDATION

This is an informational item; no action is required.

INDIAN RIVER COUNTY, FLORIDA

M E M O R A N D U M

TO: Members of the Indian River County MPO Bicycle Pedestrian Advisory Committee (BPAC)

THROUGH: Phillip J. Matson, AICP
Community Development Director

FROM: Brian Freeman, AICP
MPO Staff Director

DATE: March 20, 2023

SUBJECT: Consideration of the Scope of Services for the Bicycle and Pedestrian Master Plan Update

It is requested that the information presented herein be given formal consideration by the Indian River County MPO Bicycle Pedestrian Advisory Committee at its meeting of March 28, 2023.

DESCRIPTION AND CONDITIONS

The MPO's Unified Planning Work Program (UPWP) for FY 2022/23 – FY 2023/24 provides a listing and budget of the MPO's anticipated planning activities for those two fiscal years. One of the planning activities included in the UPWP is an update to the MPO's Bicycle and Pedestrian Master Plan.

The MPO's Bicycle and Pedestrian Master Plan is the primary document for identifying bicycle and pedestrian facility needs, recommending bicycle and pedestrian improvements, and providing a framework for programming new facilities. The MPO adopted its first Bicycle and Pedestrian Master Plan in 1997, with updates occurring in 2004 and 2015.

Recently, MPO staff has coordinated with one of the MPO's new General Planning Consultants (S&ME, Inc.) to prepare a scope of services for an update to the Bicycle and Pedestrian Master Plan. The Scope of Services for the Master Plan includes the following tasks:

- Task 1: Project Kickoff & Coordination
- Task 2: Existing Conditions Review
- Task 3: Policy Review & Recommendations
- Task 4: Public Involvement
- Task 5: Prioritization & Implementation Plan

- Task 6: Master Plan Documentation
- Optional Task: Aerial imagery

Development of the Bike-Ped Plan update will include extensive public involvement, a review of existing conditions, a level of traffic stress analysis for bicyclists and pedestrians, identification of bicycle and pedestrian needs, project prioritization, and preparation of an implementation plan. The Bike-Ped Plan update will take about twelve months to complete, a timeframe that would allow the Bike-Ped Plan update to wrap up as the MPO begins the 2050 Long Range Transportation Plan update. A tentative project schedule is included in the scope of services.

RECOMMENDATION

MPO staff recommends that the BPAC review the attached information, make any necessary changes, and recommend that the MPO approve the Scope of Services for the Bicycle and Pedestrian Master Plan Update.

ATTACHMENTS

1. Scope of Services for the Bicycle and Pedestrian Master Plan Update



Scope of Work

Indian River County MPO – Bicycle & Pedestrian Master Plan Update

The following sections present the scope of services that will be performed to assist the Indian River County Metropolitan Planning Organization (MPO) in preparing an update to the Bicycle & Pedestrian Master Plan. The S&ME team (Consultant Team) is comprised of S&ME (Prime Consultant), Patel Green & Associates (Sub-Consultant), Volkert, Inc. (Sub-Consultant), Quest (Sub-Consultant), and DDEC (Sub-Consultant). The Consultant Team will complete the planning and preparation process as outlined in this Scope of Work.

◆ Project Summary

The Indian River County MPO is planning an update to the County Bicycle & Pedestrian Master Plan. The County's first plan was adopted in 1997. Updates were performed in 2003 and 2014. The 2023 update will build upon past efforts and explore ways to further enhance bicycle and pedestrian infrastructure in the County.

The Bicycle & Pedestrian Master Plan will guide decisions regarding bicycle and pedestrian infrastructure improvements for the next decade and beyond. Key elements of the plan include an evaluation of existing policies and the existing conditions of bicycle and pedestrian facilities, identification of gaps and needs within the network, development of project priorities, and recommendations for implementation.

Tasks

The Scope of Services for the Master Plan will include the following tasks:

- Task 1: Project Kickoff & Coordination
- Task 2: Existing Conditions Review
- Task 3: Policy Review & Recommendations
- Task 4: Public Involvement
- Task 5: Prioritization & Implementation Plan
- Task 6: Master Plan Documentation
- Optional Task: Aerial imagery

Task 1 – Project Kickoff & Coordination

Task 1.1: Project Kickoff

The Consultant Team will host a virtual kickoff meeting with MPO and consultant staff to review the project scope and establish the project schedule. In addition, the project team will identify key stakeholders to be included on a steering committee.

Task 1.2: Project Coordination

The Consultant Team will meet with MPO staff on a bi-weekly basis to provide project updates and coordinate ongoing work efforts. Sub-Consultant team members will attend meetings as needed. As the project is expected to be completed over a 12-month period, S&ME anticipates attending twenty-six (26) project status meetings.

Deliverables:

- Agendas + minutes for up to twenty-six (26) project status meetings

Task 2 – Existing Conditions Review

In coordination with MPO staff, the Consultant will compile and review the available geospatial data layers to document and analyze Indian River County's transportation network. The data will be used to create a series of maps, starting with the County's existing facilities and operational characteristics. The maps will also display an assessment of the conditions for walking and bicycling, showing the relative comfort of walking or bicycling along each corridor given the physical and operational characteristics. The potential demand for trips to be taken by walking or bicycling will be estimated and mapped for each corridor. Finally, safety conditions will be documented by mapping different types of traffic crashes.

MPO staff will provide the following GIS data layers to create maps to provide a descriptive picture of the MPO study area's transportation network (including both County and Municipal facilities). For the purposes of this effort, the study network shall consist of roadways functionally classified as collectors or arterials. Interstates will be excluded from analysis as will most local streets, except for any local street segments included in the previously adopted Master Plan network, or for facilities identified by MPO staff for inclusion in the study.

- Roadway functional class.
- Maintenance jurisdictions.
- Freight routes.
- Traffic signals.
- Trails network. (existing and future)
- Regional trail corridors
- Transit routes and stops.
- Land use categories.
- Schools, parks, and other civic destinations.

MPO staff will provide the following GIS data layers that are needed to assess the County's Pedestrian Level of Traffic Stress based on the analysis procedures in the Florida Department of Transportation's 2023 Multimodal Quality/Level of Service Handbook.

- Posted speed limits.
- Presence of sidewalks on one or both sides.
- Presence of horizontal separation between the edge of the outside vehicular travel lane and the sidewalk.
- Presence of a vertical element in the horizontal separation such as tubular markers, on-street parking, rigid barriers, and landscaping.

MPO staff will provide the following additional GIS data layers that are needed to assess the Bicycle Level of Traffic Stress based on the analysis procedures in the Florida Department of Transportation's 2023 Multimodal Quality/Level of Service Handbook.

- Number of vehicular travel lanes.
- Traffic volumes.
- Presence of bicycle lanes, shoulders, or sidepaths.
- Width of the bicycle lane
- Presence of a buffered bicycle lane.
- Presence of on-street parking.

MPO staff will provide current GIS data layers for the Traffic Analysis Zones (TAZ) including current and projected population, employment, and school enrollment estimates. Those data are needed to identify the areas with the greatest potential demand for walking or bicycling. The assessment will incorporate a streamlined version of the Latent Demand Method, based on future employment, population, and school enrollment estimates. The result does not reflect the desirability of walking or bicycling conditions in a given corridor, but rather the likelihood that trips will be taken by walking or bicycling due to the intensity and mix of adjacent land uses.

To further assess the demand for walking and bicycling, the Consultant Team will gather the latest applicable data from the United States Census Bureau and the American Community Survey (ACS). The data to be extracted includes the availability of vehicles among households and journey-to-work modes of travel.

The Consultant Team will review the FDOT Context Classifications for the Indian River County roadway network and identify the desired travel speeds to fit those contexts. A map will be created that compares the current posted speed limits with those desired travel speeds to identify potential locations where speed management may be necessary to fit contexts where walking and bicycling is expected or to be encouraged.

The Consultant Team will gather the GIS data layers that are needed to map the crashes reflected in the last five full years of data available within the FDOT Signal Four Analytics program. The data will be reviewed to map crashes for motor vehicles, pedestrians, bicyclists, and crashes that result in someone being killed or seriously injured.

The Consultant Team will review the various GIS data layers that are secured and verify the accuracy of the data via comparison with data from the previously adopted plan, review by MPO staff, review of online aerial maps and associated imagery, and a field visit. Where the data received is incomplete, Consultant Team staff will adapt the analysis conducted to utilize the data that is available and document all assumptions.

The Consultant Team will evaluate the existing conditions and perform a needs assessment to determine where there are gaps in the existing bicycle and pedestrian networks.

Task 3 – Policy Review & Recommendations

The Consultant Team will review and document the applicable plans, policies, and studies that address the planning and regulatory framework under which transportation decisions are made by government agencies and partners in Indian River County. Documents to be reviewed include:

- Local Comprehensive Plans
- Local Capital Improvements Plans (CIP)
- Indian River County Congestion Management Plan
- Indian River County Long Range Transportation Plan
- Indian River County Land Development Regulations
- Indian River County Transportation Improvement Program
- Indian River County Transit Development Plan

The Consultant Team will also facilitate up to four (4) regional/local agency stakeholder interviews to solicit feedback on how well the adopted policy documents and the standing project delivery processes are serving the needs of pedestrians and bicyclists. Topical issues to be addressed with staff from the local agencies include:

- Needed process improvements
- Opportunities for improved coordination
- Data and information needs
- Staff training needs
- Whether the land development regulations are adequately addressing issues such as access management and bicycle parking
- The capacity for implementing quick response projects when needed

The Consultant Team will develop a set of outcome-oriented policy and programmatic recommendations that address the issues and opportunities identified through the reviews and stakeholder interviews. Each recommendation will include details of both short- and long-term actions needed to move towards the desired outcomes.

Task 4 – Public Involvement

Task 4.1: Public Involvement Plan

The Consultant Team will prepare a public involvement plan to outline how public workshops will be performed and to guide the process of public notifications.

Task 4.2: Presentations

The Consultant Team will present project updates to the MPO Board and to selected MPO committees at key points within the project timeline. The following presentations are anticipated:

- Summary of Existing Conditions
- Draft Plan Presentation
- Final Plan Presentation

Task 4.3: Community Workshops

The Consultant Team will host one round of open house workshops at four (4) geographically distributed locations within the County. Should it be determined that a virtual meeting is needed, one of the in-person workshops can be changed to a virtual format. The workshops will present existing conditions within the County and will solicit feedback from the community.

The Consultant Team will work with MPO staff to coordinate a workshop at a local high school. The workshop will be conducted during school hours on a single day and will be presented to members of the student body. The high school workshop will not be open to the general public.

Task 4.4: Steering Committee

The Consultant Team will meet with the steering committee up to three (3) times throughout the study process. The steering committee makeup will be determined at the project kickoff meeting. The purpose of these meetings will be to confirm existing conditions, to advise the study team regarding key decisions, and to serve as an additional point of community input. The scheduling of steering committee meetings will be coordinated by the MPO Project Manager.

Task 5 – Prioritization & Implementation Plan

Task 5.1: Project Identification and Prioritization

The Consultant Team will work with MPO staff and stakeholders to identify an initial list of projects in a table that will be prioritized. The project list will be developed from the existing conditions analysis, needs assessment, and community input. The Consultant Team will screen projects that are already funded in Capital Improvement Plans and the MPO's Transportation Improvement Plan.

The Consultant Team will provide planning-level cost estimates for the remaining list of projects. The project list will be grouped into sidewalk projects, bicycle facility projects, trail projects, and intersection projects.

Task 5.2: Implementation Plan

The Consultant Team will work with MPO staff to develop evaluation criteria with an emphasis on equity. The project prioritization process can also consider grant opportunities as well as opportunities that improve the community's overall bicycle/pedestrian rankings.

The Consultant Team will conduct a Screen 2 analysis to rank and prioritize projects using the evaluation criteria. The analysis will result in an implementation plan with short-term (5-year) projects, mid-term (5- to 10-year) projects, and long-term projects.

The Consultant Team will develop facility design recommendations for both bicycle and pedestrian facilities. The design recommendations will include typical sections that can be implemented in specific contexts within the County.

The Consultant Team will develop safety improvement recommendations that can be implemented based on identified criteria within the County.

The Consultant Team will develop Law Enforcement and Educational recommendations that can be implemented in parallel with infrastructure improvements to enhance the bicycling and walking experience throughout the County.

Task 5.3: Funding Feasibility Analysis

From sub-task 5.2, using an approved prioritization list, the Consultant Team will prepare a Strategic Funding Feasibility Plan for short- and long-term projects.

Using an approved prioritization list, the Consultant Team team will review the existing Transportation Improvement Plan (TIP) to ensure that the prioritization matches the Unified Planning Work Program (UPWP). This will also include a desktop review of existing City and County capital improvement plans to identify projects that may overlap, providing opportunity to advance transportation projects such as planned utilities improvement. Any coordination required with FDOT District 4 shall be conducted on an as needed basis for plan consistency. The list will identify unfunded or partially funded projects to be approved by the organization during the Methodology and Approach portion of the task.

The team will prepare funding feasibility for each project via a matrix that will align with Federal Bipartisan Infrastructure Merit Criteria, Federal Department of Transportation Merit Criteria, Florida Resilient Infrastructure, and other criteria for available funding programs to ensure identified projects are competitive. This list will include a high-level comprehensive checklist for implementation to assist in near term implementation up to 5 projects. This will include a potential strategic stakeholder coordination strategy.

Task 6 – Master Plan Documentation

The Consultant Team will compile content developed as part of Tasks 1 through 5 into an overall draft report that documents the Bicycle and Pedestrian Master Plan process and findings. The document will be written and designed to be easily digestible by MPO staff, MPO board members and elected officials, and members of the community at large.

The Consultant Team will respond to and incorporate one round of comments on the draft plan document from MPO staff and board members. The resulting version will constitute the approved Bicycle and Pedestrian Master Plan which will guide bicycle and pedestrian infrastructure improvements in Indian River County over the coming decades.

Deliverables:

- Draft Master Plan document
- Final Master Plan document

Optional Services

Aerial Imagery

The Consultant Team will capture aerial photography and videography that shows but is not limited to the following:

- Location and conditions of existing sidewalks and bicycle facilities
- Public right-of-way available for future bicycle/pedestrian facilities
- Areas that need bicycle/pedestrian facilities or improvements to existing facilities

◆ Project Budget & Fees

The Master Plan budget, which includes labor and expenses, is not to exceed \$160,000. The breakdown of the project budget is as follows:

- S&ME – \$62,290
- Patel Green & Associates – \$35,131
- Volkert, Inc – \$36,089
- Quest – \$17,490
- DDEC – \$9,000

For the optional tasks, the following fee would be in addition to the \$160,000 project budget:

- Aerial Imagery (Volkert) – \$4,500

◆ Schedule



















The Master Plan will be completed within one year of the kick-off date. The end of the project will be marked by the adoption of the Master Plan by the MPO. If the Master Plan is delayed for reasons beyond the Consultant Team's control, such as a natural disaster, the Consultant Team will work with City Staff to adjust the schedule.

The dates of deliverables are dependent upon when the Consultant Team receives Notice to Proceed (NTP). Once NTP is received, the Consultant Team will develop a detailed schedule with dates for deliverables as part of the work plan. The Consultant Team will coordinate with MPO staff to determine target dates for deliverables and public involvement meetings. The schedule will be presented at the kickoff meeting.

Client Communication & Invoicing

The Consultant Team will provide monthly progress reports and invoicing. Invoices will be organized by task. The Prime Consultant will provide invoices and progress reports for Sub-Consultants. The Consultant Team's Project Manager will develop a schedule of bi-weekly virtual calls with the MPO Project Manager to provide updates on the status of the project. Sub-Consultants will be included in the calls as necessary. The project schedule will be updated as needed.

A preliminary schedule for the project is provided on the following page.

Indian River County Bicycle & Pedestrian Master Plan 12-Month Schedule												
Milestone =  Workshop/Meeting =  Written Deliverable =  Presentation = 	Month											
	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March
Notice to Proceed												
Task 1: Project Kickoff & Coordination Kickoff Meeting  Biweekly Status Meetings Ongoing Coordination Monthly Invoicing												
Task 2: Existing Conditions Review Data Collection GIS Analysis & Map Creation Evaluation of Pedestrian Facilities Evaluation of Bicycle Facilities Crash Analysis Needs Assessment												
Task 3: Policy Review & Recommendations Review of existing plans, policies, and studies Development of policy and programmatic recommendations												
Task 4: Public Involvement Public Involvement Plan Presentations Community Workshops Steering Committee						 				 		
Task 5: Prioritization & Implementation Plan Project Identification & Prioritization Implementation Plan Funding Feasibility Analysis												
Task 6: Master Plan Documentation Draft Master Plan Document Finalize Master Plan Document												

INDIAN RIVER COUNTY, FLORIDA

M E M O R A N D U M

TO: Members of the Indian River County MPO Bicycle Pedestrian Advisory Committee (BPAC)

THROUGH: Phillip J. Matson, AICP
Community Development Director

Brian Freeman, AICP
MPO Staff Director

FROM: Jim Mann, MPA
Senior Planner

DATE: March 20, 2023

SUBJECT: Consideration of Performance Measures for Bridge and Pavement Condition and System Performance

It is requested that the information presented herein be given formal consideration by the Indian River County MPO Bicycle Pedestrian Advisory Committee at its meeting of March 28, 2023.

DESCRIPTION, CONDITIONS, & ANALYSIS

With the enactment of the 2012 federal transportation bill (known as Moving Ahead for Progress in the 21st Century or MAP-21), transportation planning began a transition towards a performance and outcome-based program. Beginning in 2018, states and MPOs were required to establish targets for performance measures including Safety (PM1), Bridge and Pavement Condition (PM2), and System Performance (PM3). While the Safety performance targets are updated annually, the others are updated every four years (with 2-year and 4-year targets).

On December 16, 2022, FDOT established 2-year and 4-year statewide targets for Bridge and Pavement Condition and System Performance. Using 2021 as a baseline, the 2-year targets reflect the anticipated performance levels at the end of calendar year 2023, while the 4-year targets reflect anticipated performance at the end of 2025. For each performance measure, the proposed targets apply only to the National Highway System (NHS), which consists primarily of interstates and major arterials maintained by FDOT.

For Bridge and Pavement Condition and System Performance, each Florida MPO must establish its second set of 2-year and 4-year targets within 180 days of establishment of the statewide targets

(or June 14, 2023). MPOs have the option of supporting the statewide targets or establishing their own targets for the MPO planning area.

In addition to establishing proposed statewide targets, FDOT will collect the necessary data for monitoring performance. This arrangement is similar to the Safety performance measure approved earlier this year by the MPO.

RECOMMENDATION

MPO staff recommends that the BPAC review the attached information, make any necessary changes, and recommend that the MPO approve the performance targets for Bridge and Pavement Condition and System Performance.

ATTACHMENT

1. Performance Measures for Bridge and Pavement Condition Fact Sheet
2. Performance Measures for System Performance Fact Sheet

PM2: Bridge and Pavement



Florida Department of Transportation Office of Policy Planning

Performance Management

February 2023

OVERVIEW

The second Federal Highway Administration (FHWA) performance management rule establishes measures to assess the condition of bridges and pavement on the National Highway System (NHS) and the process for the Florida Department of Transportation (FDOT) and Florida's Metropolitan Planning Organizations (MPO) to establish and report targets.*

PAVEMENT PERFORMANCE MEASURES

- » Percentage of pavements on the Interstate System in **GOOD** condition.
- » Percentage of pavements on the Interstate System in **POOR** condition.
- » Percentage of pavements on the non-Interstate NHS in **GOOD** condition.
- » Percentage of pavements on the non-Interstate NHS in **POOR** condition.

BRIDGE PERFORMANCE MEASURES

- » Percentage of NHS bridges (by deck area) in **GOOD** condition.
- » Percentage of NHS bridges (by deck area) in **POOR** condition.

GOOD CONDITION

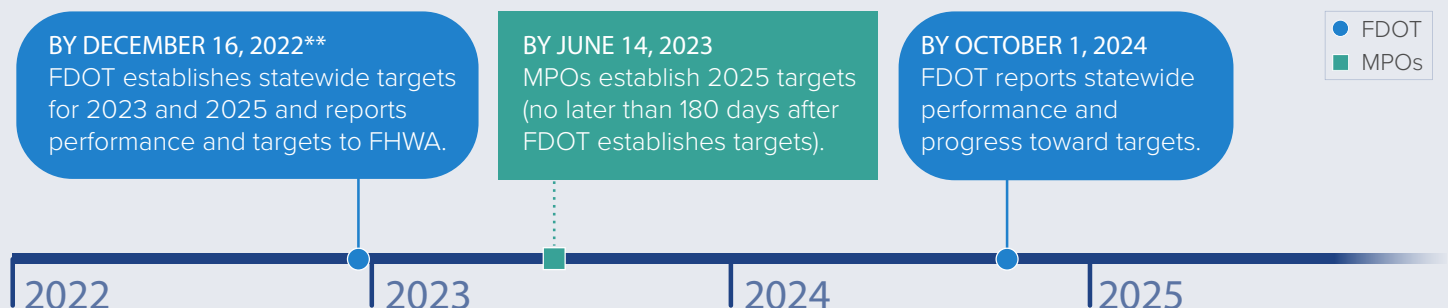
Suggests no major investment is needed.

POOR CONDITION

Suggests major investment is needed.

TIMELINE

SECOND Performance Period (January 1, 2022 to December 31, 2025)



* Please refer to the [fact sheet](#) addressing *MPO Requirements* for information about MPO targets and planning processes.

** FHWA changed the due date from October 1, 2022 due to a technical issue with the reporting system.

EXISTING STATEWIDE CONDITIONS

NHS Bridges

Year	in Good Condition	in Poor Condition
2017	67.7%	1.2%
2018	66.6%	1.2%
2019	66.2%	1.2%
2020	65.5%	0.5%
2021 (Baseline)	61.3%	0.5%

Interstate Pavements

Year	in Good Condition	in Poor Condition
2017	66.1%	0.0%
2018	54.2%	0.6%
2019	68.0%	0.5%
2020	68.8%	0.6%
2021 (Baseline)	70.5%	0.7%

Non-Interstate NHS Pavements

Year	in Good Condition	in Poor Condition
2017	44.0%	0.4%
2018	39.9%	0.4%
2019	41.0%	0.3%
2020	41.0%	0.3%
2021 (Baseline)	47.5%	1.1%

Source: FDOT and FHWA.

STATEWIDE TARGETS

FDOT established 2023 and 2025 targets for NHS bridge and pavement on December 16, 2022. These targets are identical to those set for 2019 and 2021, respectively. Florida's performance through 2021 exceeds the targets.

Performance Measure	2023 Target	2025 Target
Bridge		
% of NHS bridges (by deck area) in GOOD condition	50.0%	50.0%
% of NHS bridges (by deck area) in POOR condition	10.0%	10.0%
Pavement		
% of Interstate pavements in GOOD condition	60.0%	60.0%
% of Interstate pavements in POOR condition	5.0%	5.0%
% of non-Interstate NHS pavements in GOOD condition	40.0%	40.0%
% of non-Interstate NHS pavements in POOR condition	5.0%	5.0%

MPO TARGETS

MPOs must set 2025 targets by June 14, 2023 (within 180 days after FDOT set the statewide targets). MPOs have the option of supporting the statewide targets or establishing their own targets for the MPO planning area.

The TIP must include the most recent reported performance and targets as well as a description of how the investments contribute to achieving the targets. The LRTP must include a System Performance Report that discusses performance and the progress achieved in meeting targets.

ASSESSMENT OF SIGNIFICANT PROGRESS

FHWA will determine if FDOT has made significant progress toward the achievement of each 2-year or 4-year statewide target if either:

- » The actual condition/performance level is better than the baseline performance; or
- » The actual performance level is equal to or better than the established target.

FHWA's determination of significant progress toward the 2021 bridge and pavement targets is anticipated in March 2023.

FHWA will not assess MPO target achievement. However, FHWA and FTA will review MPO adherence to performance management requirements as part of periodic transportation planning process reviews.

MINIMUM CONDITIONS

Every year, FHWA will assess if FDOT is meeting federal minimum condition standards for NHS bridges and Interstate pavements. If it is not, FDOT must obligate a specified percentage of available funds for maintenance of these facilities.

FDOT IS ON TRACK TO MEET MINIMUM CONDITION STANDARDS

- » **Bridge:** No more than 10 percent of total deck area of NHS bridges classified as Structurally Deficient (*Poor* condition) for three consecutive years. ✓
- » **Pavement:** No more than 5 percent of the Interstate System in *Poor* condition for most recent year. ✓

FOR MORE INFORMATION PLEASE CONTACT

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PM3: System Performance



Florida Department of Transportation Office of Policy Planning

Performance Management

February 2023

OVERVIEW

The third Federal Highway Administration (FHWA) performance management rule establishes measures to assess the reliability of passenger and truck freight travel on the National Highway System (NHS) and the process for the Florida Department of Transportation (FDOT) and Florida's Metropolitan Planning Organizations (MPO) to establish and report their targets.*

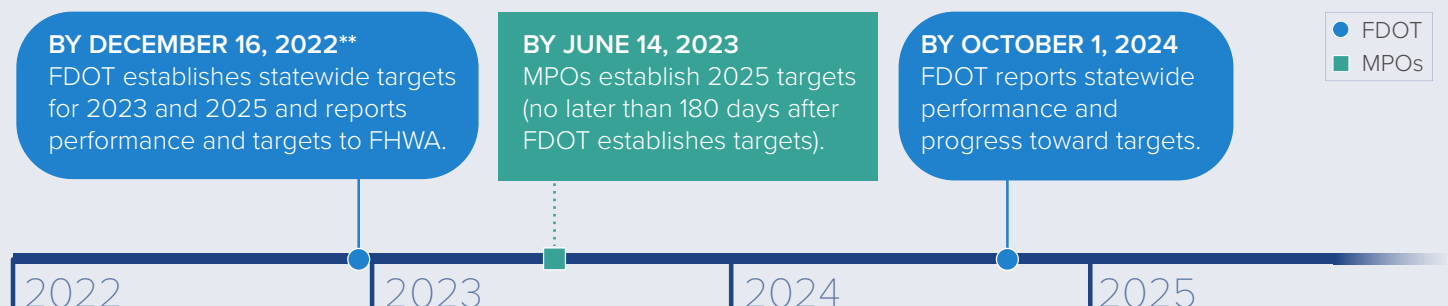
PERFORMANCE MEASURES

PERFORMANCE MEASURE	REFERRED TO AS	WHAT IT MEASURES
Percent of person-miles traveled on the Interstate that are reliable	Interstate reliability	Compares longer travel times (80 th percentile) to a normal travel time (50 th percentile). Vehicle occupancy is factored in to determine the person-miles traveled on segments considered reliable, and this is converted to a percent of total miles.
Percent of person-miles traveled on the non-Interstate NHS that are reliable	Non-Interstate NHS reliability	Compares longer travel times (80 th percentile) to a normal travel time (50 th percentile). Vehicle occupancy is factored in to determine the person-miles traveled on segments considered reliable, and this is converted to a percent of total miles.
Truck travel time reliability index (Interstate)	Truck reliability	Compares longer travel times (95 th percentile) to the normal travel time for trucks. This is expressed as a ratio called the Truck Travel Time Reliability Index, or TTTR.

The PM3 rule also defines measures for assessing the CMAQ Program that apply only to states and MPOs that are in a designated air quality non attainment areas or maintenance areas. Florida does not have any applicable areas, therefore the CMAQ measures are not addressed in this fact sheet.

TIMELINE

SECOND Performance Period (January 1, 2022 to December 31, 2025)



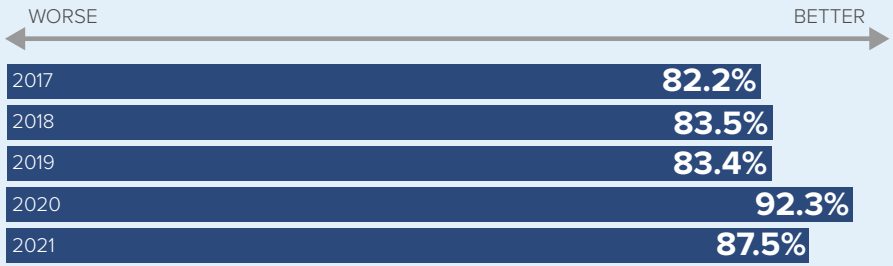
* Please refer to the [fact sheet](#) addressing *MPO Requirements* for information about MPO targets and planning processes.

** FHWA changed the due date from October 1, 2022 due to a technical issue with the reporting system.

EXISTING STATEWIDE CONDITIONS

INTERSTATE RELIABILITY

Percent of person-miles traveled on the Interstate that are reliable



NON-INTERSTATE NHS RELIABILITY

Percent of person-miles traveled on the non-Interstate NHS that are reliable



TRUCK RELIABILITY

Truck travel time reliability index (Interstate)



Source: PM3 Report on Regional Integrated Transportation Information System (RITIS) platform using National Performance Management Data Research Data Set (NPMRDS).

STATEWIDE TARGETS

FDOT established the following 2023 and 2025 targets on December 16, 2022. These targets are identical to those set for 2019 and 2021, respectively. Florida's performance through 2021 exceeds the targets.

PERFORMANCE MEASURE	2023 TARGET	2025 TARGET
INTERSTATE RELIABILITY	75.0%	70.0%
NON-INTERSTATE NHS RELIABILITY	50.0%	50.0%
TRUCK RELIABILITY	1.75	2.00

MPO TARGETS

MPOs must set 2025 targets by June 14, 2023 (within 180 days after FDOT set the statewide targets). MPOs have the option of supporting the statewide targets or establishing their own targets for the MPO planning area.

The TIP must include the most recent reported performance and targets as well as a description of how the investments contribute to achieving the targets. The LRTP must include a System Performance Report that discusses performance and the progress achieved in meeting targets.

ASSESSMENT OF SIGNIFICANT PROGRESS

FHWA will determine that FDOT has made significant progress toward the achievement of each 2-year or 4-year statewide target if either:

- » The actual performance level is better than the baseline performance; or
- » The actual performance level is equal to or better than the established target.

FHWA's determination of significant progress toward the 2021 interstate reliability and truck reliability targets is anticipated in March 2023. If FDOT does not make significant progress toward achieving a reliability target, it must document the actions it will take to achieve the target. For the truck reliability measure, it must provide additional freight congestion analysis and documentation.

FHWA will not assess MPO target achievement. However, FHWA and FTA will review MPO adherence to performance management requirements as part of periodic transportation planning process reviews.

FOR MORE INFORMATION PLEASE CONTACT

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INDIAN RIVER COUNTY, FLORIDA

M E M O R A N D U M

TO: Members of the Indian River County MPO Bicycle Pedestrian Advisory Committee (BPAC)

THROUGH: Phillip J. Matson, AICP
Community Development Director

FROM: Brian Freeman, AICP
MPO Staff Director

DATE: March 20, 2023

SUBJECT: Status Report of MPO Advisory Committees

It is requested that the information presented herein be given formal consideration by the MPO Bicycle Pedestrian Advisory Committee (BPAC) at its meeting of March 28, 2023.

Technical Advisory Committee (TAC)

At its January 27, 2023 meeting, the TAC recommended approval of the MPO Performance Measure Safety Targets, the Draft 2023 List of Priority Projects, and Transportation Improvement Program (TIP) Amendments. The TAC also considered presentations on the US 1 at Aviation Blvd Project Development and Environmental (PD&E) Study and the 2023 Transit Development Plan (TDP) Major Update.

Citizens Advisory Committee (CAC)

At its February 7, 2023 meeting, the CAC recommended approval of the MPO Performance Measure Safety Targets, the Draft 2023 List of Priority Projects, and Transportation Improvement Program (TIP) Amendments. The CAC also considered presentations on the 2023 Transit Development Plan (TDP) Major Update and the 2020 Census for urban areas.

Metropolitan Planning Organization (MPO)

At its February 8, 2023 meeting, the MPO approved the MPO Performance Measure Safety Targets, the Draft 2023 List of Priority Projects, and Transportation Improvement Program (TIP) Amendments. The MPO also considered presentations on the 2023 Transit Development Plan (TDP) Major Update, the MPO's bicycle safety program in elementary schools, and the 2020 Census for urban areas.

Transportation Disadvantaged Local Coordinating Board (TDLCB)

At its February 23, 2023 meeting, the TDLCB approved the TD Planning Grant quarterly progress report/invoice, considered the selection of the Community Transportation Coordinator (CTC), and the 2023 Title IV Program Update. The TDLCB also considered a presentation on the 2023 Transit Development Plan (TDP) Major Update.

Upcoming Meetings

The MPO and its advisory committees will next meet as follows:

TAC Meeting: March 31, 2023 – 10:00 am

CAC Meeting: April 4, 2023 – 2:00 pm

MPO Meeting: April 12, 2023 – 10:00 am

TDLCB Meeting: May 25, 2023 – 10:00 am

BPAC-CAC Joint Meeting: June 6, 2023 – 2:00 pm