



2021 Application for Project Prioritization

Traffic Operations, Safety, and Local Initiatives Projects

January 2021

General Instructions:

For the 2021 Call for Projects, the R2CTPO is accepting applications for Feasibility Studies and Project Implementation.

The R2CTPO has two different application forms for Traffic Operations, Safety, and Local Initiatives Projects. One is to be used when applying for a Feasibility Study; the other is to be used when applying for Project Implementation. When applying for Project Implementation, the Applying Agency will also be required to submit a completed copy of FDOT's Project Information Application Form.

No project will advance beyond a Feasibility Study unless the R2CTPO receives an application for prioritization of the Project Implementation phase. Applications for prioritization of the Project Implementation phase will be accepted only if a Feasibility Study has already been completed or if the project does not require a Feasibility Study.

Applications will be ranked based on the information supplied in the application. The TPO is not obliged to consider information pertaining to the project request that is not included in the project application. However, applying agencies are encouraged to be present for the evaluation their applications to provide clarification, if needed.

Incomplete applications will not be accepted.

Project Qualification:

Except for certain improvements identified in 23 U.S.C. §133¹, only projects located on Federal-Aid Roads (roads on the National Highway System (NHS) or functionally classified as Urban Minor Collector or higher) may be funded through this program.

Only applications for traffic operations, intelligent transportation systems (ITS), safety, and local initiatives (traffic operations focused) projects will be considered. These projects are enhancements to improve the operational efficiency, reliability, and/or safety of the existing traffic circulation system. The following list of projects is representative of qualifying projects; however, it is not exhaustive:

1. Adding or extending left and/or right turn lanes;
2. improved signage or signalization;
3. targeted traffic enforcement;
4. limitation or prohibition of driveways, turning movements, truck traffic, and on-street parking;
5. modification of median openings;
6. replacement of standard intersections with traffic circles or roundabouts;
7. traffic incident response plans;
8. realignment of a road;
9. intelligent transportation systems (ITS) such as dynamic message signs and adaptive signal control systems;

¹ These exceptions include: carpool projects, fringe and corridor parking facilities and programs, bicycle transportation and pedestrian walkways, modification of public sidewalks to comply with the Americans with Disabilities Act, highway and transit safety infrastructure improvements and programs, hazard eliminations, projects to mitigate hazards caused by wildlife, and railway-highway grade crossings.

10. traffic calming roadway designs or devices;
11. street lighting to improve traffic safety; and
12. other local initiatives which address complete streets retrofits, adaptation of transportation systems to climate change, and other improvements that directly support the goals of the TPO's Long Range Transportation Plan.

Award Limits:

There are no award limits for projects on the Traffic Operations, Safety, and Local Initiatives Projects list. Projects on this list may be funded with any combination of federal, state, and/or local funds.

Local Match Requirement:

R2CTPO Resolution 2020-## provides that the governmental entity requesting state and or federal transportation funds for any project that is not on the State Highway System (SHS) shall be required to match those funds programmed on the project with local funds at a minimum ratio of 10% local to 90% state and/or federal. The match shall be by project phase for each programmed phase including feasibility study. A local cash match is required for a feasibility study. For all other phases, the local match is defined as non-state/federal cash match and/or in-kind services of eligible costs that advance the project. This resolution also reaffirms the R2CTPO's policy that the Applying Agency (project originator) shall be responsible for any cost overruns encountered on a project funded with state and/or federal funds unless the project is on the SHS, in which case, the State DOT shall be responsible for any cost overruns.

Electronic and "Hard Copy" Submittal Requirement:

1. Applications and supporting documentation shall be submitted as digital media in Portable Document Format (PDF), compatible with MS Windows and Adobe Acrobat.
2. Electronic documents must be submitted through the R2CTPO FTP site.
<https://www3.mydocsonline.com/cuploadcustom.aspx?id=R2CTPO&f=2021+Priority+Project+Applications>
3. The application and all supporting documentation shall be included in one electronic PDF file.
4. All document pages shall be oriented so that the top of the page is always at the top of the computer monitor.
5. Page size shall be either 8-1/2" by 11" (letter) or 11" by 17" (tabloid).
6. PDF documents produced by scanning paper documents are inherently inferior to those produced directly from an electronic source. Documents which are only available in paper format should be scanned at a resolution which ensures the pages are legible on both a computer screen and a printed page. We recommend scanning at 300 dpi to balance legibility and file size.
7. If you are unable to produce an electronic document as prescribed here, please call us to discuss other options.
8. In addition to the digital submittal, we require one (1) complete paper copy of the application and all supporting documents. This must be identical to the digital submittal.

R2CTPO staff will provide assistance in completing an application to any member local government that requests it.



2021 Application for Project Prioritization – **FEASIBILITY STUDY**

Traffic Operations, Safety, and Local Initiatives Projects

****All applications must be uploaded to the TPO file transfer site by 2:00 p.m. (EST) on February 26, 2021****

<https://www3.mydocsonline.com/cuploadcustom.aspx?id=R2CTPO&f=2021+Priority+Project+Applications>

Project Title: _____

Applying Agency (project sponsor): _____ Date: _____

Contact Person: _____ Job Title: _____

Address: _____

Phone: _____ FAX: _____

E-mail: _____

Does the Applying Agency expect to be certified by FDOT to perform the work under the Local Agency Program (LAP) process? Yes No

If not, what local government agency will perform the work on behalf of the Applying Agency? _____
[Attach a letter of intent from the agency that will perform the work.]

Governmental entity with maintenance responsibility for roadway facility on which proposed project is located: _____

[If not the same as Applying Agency, attach a letter of support for the proposed project from the responsible entity. This letter of support must include a statement describing the responsible entity's expectations for maintenance of the proposed improvements, i.e., what the Applying Agency's responsibility will be.]

Priority of this proposed project relative to other applications submitted by the Applying Agency: _____

Project Description: _____

Project Location (include project length and termini, if appropriate, and attach location map): _____

Project Eligibility for Federal Funds (check the appropriate box):

- the proposed improvement is located on the Federal-aid system. (Reference the Federal Aid Road Report at <http://www.fdot.gov/statistics/fedaid/>);
- the proposed improvement is **not** located on the Federal-aid system, but qualifies as a type of improvement identified in 23 U.S.C. §133 that is not restricted to the Federal-aid system.

Project Purpose and Need Statement:

In the space provided below, describe the Purpose and Need for this proposed project. It is very important that your Purpose and Need statement is clear and complete. It will be the principal consideration in ranking your application for a Feasibility Study. It must convince the public and decision-makers that the expenditure of funds is necessary and worthwhile and that the priority the project is being given relative to other needed transportation projects is warranted. The

project Purpose and Need will also help to define the scope for the Feasibility Study, the consideration of alternatives (if appropriate), and ultimate project design.

The Purpose is analogous to the problem. It should focus on particular issues regarding the transportation system (e.g., mobility and/or safety). Other important issues to be addressed by the project such as livability and the environment should be identified as ancillary benefits. The Purpose should be stated in one or two sentences as the positive outcome that is expected. For example, the purpose is to reduce intersection delays or to reduce rear end collisions. It should avoid stating a solution as a purpose such as: “the purpose of the project is to add an exclusive left turn lane”. It should be stated broadly enough so that no valid solutions will be dismissed prematurely.

The Need should establish the evidence that the problem exists, or will exist if anticipated conditions are realized. It should support the assertion made in the Purpose statement. For example, if the Purpose statement is based on safety improvements, the Need statement should support the assertion that there is or will be a safety problem to be corrected. When applying for a Feasibility Study, you should support your Need statement with the best available evidence. However, you will not be expected to undertake new studies.

Commentary: _____

Criteria #1 through #4, below, will be used to evaluate and rank each application for Feasibility Study. For Criteria #1, the Applying Agency must indicate the functional classification of the roadway on which the proposed improvement will be located. For Criteria # 2 through #4, the Applying Agency must provide commentary explaining how and to what degree the proposed improvement will address the criteria.

Criteria #1 - Location – Indicate the federal functional classification of the roadway on which the proposed improvement is located. (Reference the Federal Aid Road Report at <http://www.fdot.gov/statistics/fedaid/>). R2CTPO staff will review the application to verify the classification of the roads benefitting from the proposed project. (4 points total)

- Urban/Rural Principal Arterial
- Urban/Rural Minor Arterial
- Urban/Rural Major Collector
- Urban Minor Collector
- Rural Minor Collector or Urban/Rural Local Road
- Not Applicable

Criteria #2 - Mobility and Operational Benefits – The proposed project will significantly reduce traffic congestion and/or delays identified in the TPO’s Congestion Management Process/Performance Measures Report or otherwise identified and documented. (4 points total)

Commentary: _____

Criteria #3 - Safety Benefits – The project will significantly reduce the number and/or severity of crashes; it will significantly reduce the number of fatalities and/or serious injuries. (4 points total)

Commentary: _____

Criteria #4 - Support of Comprehensive Planning Goals and Economic Vitality – The proposed project will directly contribute to the achievement of one or more goals/objectives in the applying local agency’s adopted comprehensive plan; it directly supports economic vitality (e.g., supports community development in major development areas, supports business functionality, and/or supports creation or retention of employment opportunities). (4 points total)

Commentary: _____



2021 Application for Project Prioritization – **PROJECT IMPLEMENTATION**

Traffic Operations, Safety, and Local Initiatives Projects

****All applications must be uploaded to the TPO file transfer site by 2:00 p.m. (EST) on February 26, 2021****

<https://www3.mydocsonline.com/cuploadcustom.aspx?id=R2CTPO&f=2021+Priority+Project+Applications>

Project Title: _____

Applying Agency (project sponsor): _____ Date: _____

Contact Person: _____ Job Title: _____

Address: _____

Phone: _____ FAX: _____

E-mail: _____

- This project being submitted as a mixed-use project as defined by Resolution 2020-XX. Mixed-use projects must provide the cost breakdown between the traffic operations component of the project and the bicycle/pedestrian component of the project in the cost estimate.
- Attach a copy of the completed Feasibility Study, or explain in the space provided below for commentary why a Feasibility Study is not necessary.

Commentary: _____

Criteria #1 – Location (5 points max.)

This criterion looks at the classification of the roads that will benefit from a proposed project. This criterion gives more points to projects that provide a benefit on roads that are classified at a higher level. If a project benefits more than one road, the road that has the highest classification will be used to allocate points.

Indicate the federal functional classification of the roadway on which the proposed improvement is located. (Reference the Federal Aid Road Report at <http://www.fdot.gov/statistics/fedaid/>). R2CTPO staff will review the application to verify the classification of the roads benefitting from the proposed project.

Select only ONE

- Non-Federally Functionally Classified Road (0 points)
- Urban/Rural Local Road (0 points)
- Rural Minor Collector (0 points)
- Urban Minor Collector (2 points)
- Urban/Rural Major Collector (3 points)
- Urban/Rural Minor Arterial (4 points)
- Urban/Rural Principal Arterial (5 points)

Commentary: _____

Criteria #2 – Project Readiness (15 points max.)¹

This criterion looks at the amount of work required to develop the project and get it ready for construction. The closer a project is to the construction phase, the more points it is eligible for.

Check the appropriate boxes to indicate which phases of work have already been completed or will not be required. For each phase that will not be required, explain why in the space provided for commentary. Include with this application a copy of any relevant studies, warrants, designs, and/or permits. If this is an application for Project Implementation, you must attach a copy of the project scope and cost estimate.

Feasibility Study/Conceptual Design/Cost Estimate/SEMP²

Select only ONE

- Completed (3 points)
- Not Required (3 points)
- Required but Not Completed (0 points)
- Unknown or TBD (0 points)

PE (Design)

Select only ONE

- Completed (3 points)
- Not Required (3 points)
- Required but Not Completed (0 points)
- Unknown or TBD (0 points)

Environmental

Select only ONE

- Completed (3 points)
- Not Required (3 points)
- Required but Not Completed (0 points)
- Unknown or TBD (0 points)

Right-of-Way Acquisition

Select only ONE

- Completed (3 points)
- Not Required (3 points)
- Required but Not Completed (0 points)
- Unknown or TBD (0 points)

Permitting

Select only ONE

- Completed (3 points)
- Not Required (3 points)
- Required but Not Completed (0 points)
- Unknown or TBD (0 points)

¹ When Federal funding will be used to fund a project, all activities or work, including that which is done in advance of applying for Federal funds, must comply with all applicable Federal statutes, rules and regulations.

² A Systems Engineering Management Plan (SEMP) is generally required for ITS projects.

Commentary: _____

Criteria #3 – Mobility and Operational Benefits (30 points max.)

This criterion looks at the extent of traffic operational benefits that will be derived from a proposed project. The number of points allocated will reflect the degree of benefit that is expected.

In the space provided below for commentary, describe the operational benefits of the proposed project, and specify and explain if this project is considered regional in nature. When putting your application together please include a copy of any approved signal warrant or street lighting studies.

Existing volume to capacity ratio (i.e., existing congestion severity) [Must be documented.]

Select only ONE

- less than 0.75 (0 points)
- 0.75 to 0.99 (3 points)
- 1.00 to 1.25 (4 points)
- greater than 1.25 and/or identified as congested in TPO’s CMP/Performance Measures Report (5 points)

Mobility Enhancements (i.e., level of increased mobility and/or travel time reliability that a project will provide)

Select ALL that Apply

- None (0 points)
- Bicycle, Pedestrian, ADA, or Transit (0-5 points)
- Access Management, ITS, Critical Bridge, Intersection Improvement, or Traffic Signal Retiming³ (0-10 points)

Approved signal warrant (new signals only), left turn phase warrant, left turn lane warrant, street light warrant, widening justification⁴, an FDOT approved roundabout geometric and operational analysis⁵, or access management or ITS improvements⁶

Select only ONE

- No (0 points)
- Yes (0-5 points)

Hurricane evacuation route upgrade including, but not limited to, converting traffic signal to mast arm or other operational improvements.⁷

Select only ONE

- No (0 points)
- Yes (0-5 points)

³ Attach Traffic Signal Timing Study.

⁴ Attach Warrant Study to application; otherwise R2CTPO staff will assume that a Warrant Study justifying the improvement has not been completed.

⁵ Attach FDOT Step 3 Roundabout Summary Report.

⁶ Access management and ITS improvements include, but are not limited to, addition of non-traversable median greater than 50% project length, addition of curb/gutter at intersection or greater than 50% project length, closure of minor intersections or crossovers, reduction of the number of access points (driveways or driveway widths), elimination of existing at-grade RR crossing, elimination of existing on-street parking, provision of traffic signal preemption for emergency vehicles, connection of three or more traffic signals, and new connection of traffic signal system to computerized signal control.

⁷ The term “other operational improvements” includes any improvement that will likely result in a significant: a) increase in evacuating traffic capacity or b) reduction in the probable occurrence or severity of evacuating traffic delay and/or disruption from signal failure, lane blockage, etc.

Commentary: _____

Criteria #4 – Safety Benefits (20 points max.)

This criterion looks at the degree of safety benefits that will be derived from a proposed project. The distinction between the categories of benefits will be coordinated with the Community Traffic Safety Teams (CTST). The number of points allocated will reflect the degree of benefit that is expected.

In the space provided below for commentary, describe the safety benefits expected from the proposed project, and explain how the proposed project will help the River to Sea TPO meet or exceed adopted Transportation Safety Targets for Serious Injuries and Fatalities. R2CTPO staff will work with the appropriate agencies to determine the intersection and corridor crash rates.

Select ALL that Apply

- The specific project location is on FDOT’s High Crash List or has otherwise been identified as having an overrepresentation of severe crashes? (Provide supporting documentation (e.g., intersection crashes per million entering vehicles ⁸, corridor crashes per million vehicle miles ⁹, Community Traffic Safety Team report, etc.) (0-5 points)
- The “problem” described on page 1 of this application is a safety issue that falls within one or more of the eight Emphasis Areas identified in the 2012 Florida Strategic Highway Safety Plan (i.e., distracted driving, vulnerable road users, intersection crashes, lane departure crashes, aging road users and teen drivers, impaired driving, and traffic records) or does contribute to the ability of emergency response vehicles to effectively respond to an incident. (0-5 points)
- The proposed project represents a strategy that is professionally recognized as being effective in reducing the frequency and/or severity of traffic accidents. (0-10 points)

⁸ If an application scores very high in this criterion, the R2CTPO may submit application to either the East or West Volusia Community Traffic Safety Team (CTST) for Safety Fund consideration.

⁹ Applying Agency must use the following crash rate calculation formulas: Corridor Crash Rate = (Number of Crashes x 1,000,000) / (AADT x 365 days/year x Number Years x Segment Length); Intersection Crash Rate = (Number of Crashes x 1,000,000) / (AADT x 365 x Number of Years).

Commentary: _____

Criteria #5 – Support of Comprehensive Planning Goals and Economic Vitality (10 points max.)

This criterion looks at the degree to which the proposed project will actually contribute to the achievement of one or more of the local government’s adopted comprehensive plan goals or objectives, and the degree to which it supports economic vitality. The Applying Agency must identify specific goals and/or objectives from the relevant comprehensive plan and provide a rational explanation of how the proposed project will advance those goals and or objectives. Points will not be awarded for being merely consistent with the comprehensive plan. Points should be awarded in proportion to how well the project will show direct, significant and continuing positive influence. Temporary effects related to project construction, such as the employment of construction workers, will not be considered.

Select ALL that Apply

- Directly contributes to the achievement of one or more goals/objectives in the adopted comprehensive plan (0-5 points)
- Directly supports economic vitality (e.g., supports community development in major development areas, supports business functionality, and/or supports creation or retention of employment opportunities) (0-5 points)

Commentary: _____

Criteria #6 – Infrastructure Impacts (20 points max.)

This criterion looks at impacts to adjoining public or private infrastructure, which may be in the way of the project. The less existing infrastructure is impacted the more points a project will score.

In the space provided below for commentary, describe the infrastructure impacts that will occur as a result of constructing the proposed project. When completing your application, please consider the drainage issues that may be involved (see notes below for a more detailed explanation).

Select only ONE

- Major Drainage Impact – relocating or installing new curb inlets or other extensive drainage work is required, or drainage impact has not yet been determined ¹⁰ (0 points)
- Minor Drainage Impact – extending pipes, reconfiguring swales or other minor work is required (0-2 points)
- No Drainage Impact – no drainage work required (0-4 points)

Select ALL that Apply

- Relocation of private gas utility or fiber optic communication cable is not required ¹¹ (0-4 points)
- Relocation of public/private water or sewer utility is not required ¹¹ (0-4 points)
- Relocation of telephone, power, cable TV utilities is not required ¹² (0-4 points)
- No specimen or historic trees ≥ 18” diameter will be removed or destroyed (0-4 points)

¹⁰ ADA pedestrian crossings at intersections may impact drainage significantly. Attached Traffic Study should address drainage impacts.

¹¹ Typically, these are underground utilities that can only be determined by a complete set of plans. Attach plans showing no impacts; otherwise, assumption is in urban area utilities will be affected.

¹² Typically, above ground utilities are not affected except for widening and turn lane projects.

Commentary: _____

Criterion #7 – Local Matching Funds > 10% of Total Project Cost (10 points max.)

If local matching funds greater than 10% of the estimated project cost are available, describe the local matching fund package in detail.

Select only ONE

- 10% Local Matching Funds (0 points)
- 10.0% < Local Matching Funds < 12.5% (1 points)
- 12.5% ≤ Local Matching Funds < 15.0% (2 points)
- 15.0% ≤ Local Matching Funds < 17.5% (3 points)
- 17.5% ≤ Local Matching Funds < 20.0% (4 points)
- 20.0% ≤ Local Matching Funds < 22.5% (5 points)
- 22.5% ≤ Local Matching Funds < 25.0% (6 points)
- 25.0% ≤ Local Matching Funds < 27.5% (7 points)
- 27.5% ≤ Local Matching Funds < 30.0% (8 points)
- 30.0% ≤ Local Matching Funds < 32.5% (9 points)
- 32.5% ≤ Local Matching Funds (10 points)

Commentary (if needed): _____



2021 Application for Project Prioritization

Transportation Planning Studies

January 2021

General Instructions:

The R2CTPO coordinates transportation planning activities with FDOT staff to establish needs throughout the R2CTPO's Metropolitan Planning Area (MPA) and to determine the most effective agency and approach for completing the work. Studies are funded in part by the TPO using federal planning funds allocated to MPOs. In addition, studies are pursued throughout FDOT District V using planning funds available to the department. SU funds are also available to be used for planning activities when the cost of the planning studies exceeds the PL funding available.

Recognizing that the R2CTPO member local governments are well positioned to identify transportation issues as they arise, the R2CTPO wants to encourage their participation in the development of a list of priority planning studies to address these issues. The R2CTPO will annually, as part of the Call for Projects, reach out to member local governments to identify and define transportation planning studies for inclusion on a prioritized list, and to assist in identifying the agency that should take the lead in funding and managing the study. In some cases, the result may be a funding partnership between organizations. Support may also be identified through other fund sources as (safety, operations, grants etc.).

Planning studies ranked in the top five for funding by FDOT will require an FDOT 4P project application to be completed.

Projects requiring a full PD&E should be included in the TPO's Long-Range Transportation Plan (LRTP) and should be listed on other project priority lists established by the TPO.

Process:

1. The annual "Call for Projects" will include an invitation to submit requests for planning studies.
2. To be considered for prioritization, planning study requests will include the following:
 - a. Project Title and Description (including area or termini)
 - b. Cost Estimate
 - c. Purpose & Need (including data & other facts)
 - d. Previous/related Studies
 - e. A page may be added to include a map, picture or other graphical illustration of the project.
3. No local match will be required.
4. The TIP Subcommittee will rank the requested planning studies in order of priority with consideration of applicable ranking criteria. The TIP Subcommittee's recommended ranking will then be presented to the CAC, TCC, and BPAC for review and comment before being presented the TPO Board for approval.

Ranking Criteria:

Federal Planning Factors –

1. Support the economic vitality of the United States, the States, metropolitan areas, and non-metropolitan areas, especially by enabling global competitiveness, productivity, and efficiency;
2. Increase the safety and security of the transportation system for motorized and non-motorized users;
3. Increase accessibility and mobility of people and freight;

4. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
5. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
6. Promote efficient system management and operation;
7. Emphasize the preservation of the existing transportation system;
8. Improve transportation system resiliency and reliability;
9. Reduce (or mitigate) the stormwater impacts of surface transportation.

Other Criteria –

1. The study is necessary to identify a solution (the solution is not evident without a study);
2. The study would be best undertaken now (should not be delayed); and
3. The study will provide needed guidance for decision-makers regarding future projects.

Representative Types of Studies:

1. Corridor Management Plans;
2. Corridor Improvement Studies;
3. Route Development Plans;
4. Environmental Assessments and Impact Studies;
5. Alternative Route Studies;
6. Major Investment Studies;
7. Spot or Location Studies;
8. Bicycle/Pedestrian Safety Action Plans; and
9. Multi-Modal Connectivity Plan

Electronic and “Hard Copy” Submittal Requirement:

1. Applications and supporting documentation shall be submitted as digital media in Portable Document Format (PDF), compatible with MS Windows and Adobe Acrobat.
2. Electronic documents must be submitted through the R2CTPO FTP site:
<https://www3.mydocsonline.com/cuploadcustom.aspx?id=R2CTPO&f=2021+Priority+Project+Applications>
3. The application and all supporting documentation shall be included in one electronic PDF file.
4. All document pages shall be oriented so that the top of the page is always at the top of the computer monitor.
5. Page size shall be either 8-1/2” by 11” (letter) or 11” by 17” (tabloid).
6. PDF documents produced by scanning paper documents are inherently inferior to those produced directly from an electronic source. Documents which are only available in paper format should be scanned at a resolution which ensures the pages are legible on both a computer screen and a printed page. We recommend scanning at 300 dpi to balance legibility and file size.
7. If you are unable to produce an electronic document as prescribed here, please call us to discuss other options.
8. In addition to the digital submittal, we require one (1) complete paper copy of the application and all supporting documents. This must be identical to the digital submittal.

R2CTPO staff will provide assistance in completing an application to any member local government that requests it.



2021 Application for Project Prioritization Transportation Planning Studies

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<https://www3.mydocsonline.com/cuploadcustom.aspx?id=R2CTPO&f=2021+Priority+Project+Applications>

Study Title: _____

Requesting Agency: _____ Date: _____

Contact Person: _____ Job Title: _____

Address: _____

Phone: _____ FAX: _____

E-mail: _____

Study Description: _____

Study Area (include study area length and termini, if appropriate, and attach location map): _____

Estimated Study Cost: _____

Purpose and Need for the Transportation Planning Study:

In the space provided below, describe the Purpose and Need for this proposed study and explain how the study is expected to address each ranking criterion that may apply. It is very important that your Purpose and Need statement is clear and complete and specifies whether the study is local or regional in nature. It will be the principal consideration in ranking your study proposal. It must convince the public and decision-makers that the expenditure of funds is necessary and worthwhile and that the priority the study is being given relative to other needed transportation planning studies is warranted. The Purpose and Need will also help to define the study scope, the consideration of alternatives (if appropriate), and ultimate study findings and recommendations.

Commentary: _____



2021 Application for Project Prioritization **Bicycle/Pedestrian Projects**

December 2020

General Instructions:

For the 2021 Call for Projects, the R2CTPO is accepting applications for Feasibility Studies and Project Implementation.

Feasibility studies assess the engineering and planning characteristics of bicycle/pedestrian projects. Feasibility studies must include, but not be limited to, the determination of available right-of-way, documentation and identification of the solutions of obstacles that may impede the project's constructability, permitting and socioeconomic constraints, landscaping, drainage and an engineer's estimate of related planning, design, right-of-way and construction costs.

The R2CTPO has two different application forms for Bicycle/Pedestrian and B/P Local Initiatives Projects. One is to be used when applying for a Feasibility Study; the other is to be used when applying for Project Implementation. For a given project, applications for Feasibility Study and Project Implementation must be submitted in separate application cycles.

When applying for Project Implementation, the applying agency will also be required to submit a completed copy of FDOT's Project Information Application Form. No project will advance beyond a Feasibility Study unless the R2CTPO receives an application for prioritization of the Project Implementation phase. Applications for prioritization of the Project Implementation phase will be accepted only if a Feasibility Study has already been completed or if the project does not require a Feasibility Study. The applying agency is required to use the minimum threshold programming amount of \$250,000 for design (phase 38), right-of-way (phase 48), and construction (phase 58). There is no minimum threshold programming amount for construction engineering inspection (CEI).

Applications will be ranked based on the information supplied in the application. The TPO is not obliged to consider information pertaining to the project request that is not included in the project application. However, applying agencies are encouraged to be present for the evaluation of their applications to provide clarification, if needed. Mixed projects (defined as a project that is not a stand-alone bicycle/pedestrian project) require separate applications for the bicycle/pedestrian category and traffic operations/safety category. Updated cost estimates for projects on the bicycle/pedestrian list of prioritized projects are to be submitted with a letter of continuing support by February 26, 2021. After the List of Prioritized Projects is adopted by the R2CTPO Board in June, if a project is withdrawn by the sponsor, an official letter of withdrawal and/or email must be submitted to the R2CTPO within thirty (30) days.

Incomplete applications will not be accepted.

Eligible Project Sponsors for the 2021 Call for Projects.

- Local governments;
- Transit agencies;

- School districts, local education agencies, or schools;
- Any other local or regional governmental entity with responsibility for oversight of transportation or recreational trails (other than a metropolitan planning organization or a State agency) that the State determines to be eligible.

Eligible activities related to surface transportation that can be funded with **Transportation Alternatives funds**¹:

- Construction, planning, and design of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation, including sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting, signage, and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990.
- Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs.
- Construction, planning, and design of infrastructure-related projects on any public road or any bicycle or pedestrian pathway or trail in the vicinity of schools that will substantially improve the ability of students to walk and bicycle to school, including sidewalk improvements, traffic calming and speed reduction improvements, pedestrian and bicycle crossing improvements, on-street bicycle facilities, off-street bicycle and pedestrian facilities, secure bicycle parking facilities, and traffic diversion improvements.

All construction and pre-construction work phases will be administered by the Florida Department of Transportation (FDOT) or other Local Agency Program (LAP) certified local government. Reimbursements are distributed only to a LAP certified agency responsible for completing the tasks. FDOT assigns a LAP Design and LAP Construction Liaison for each project. Federal law requires that each project be administered under the rules and procedures governing federally funded transportation projects. Certified Local Agencies comply with all applicable Federal statutes, rules and regulations.

Initial Project Screening:

Any project submitted by a local government for consideration needs to meet the following screening criteria:

For any proposed facility to be considered eligible through the TPO process, the project must be included on the ***River to Sea TPO's Bicycle and Pedestrian Plan*** or a local government adopted ***Bicycle/Pedestrian Plan***.

Is this ***Shared Use Path*** project at least 12 feet wide?

- If **Yes** – the project is eligible.
- If **No** – justification is required to determine eligibility.

¹ It is the River to Sea TPO's intent to extend eligibility to all of the activities included within the meaning of the term "Transportation Alternatives" pursuant to 23 U.S.C. 101(a)(29) except the following:

1. Construction of turnouts, overlooks, and viewing areas;
2. Community improvement activities, including –
 - a. inventory, control, or removal of outdoor advertising;
 - b. **historic** preservation and rehabilitation of historic transportation facilities;
 - c. vegetation management practices in transportation rights-of-way to improve roadway safety, prevent against invasive species, and provide erosion control; and
 - d. archaeological activities related to impacts from implementation of a transportation project eligible under title 23;
3. Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to –
 - a. address stormwater management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff, including activities described in sections 133(b)(11), 328(a), and 329 of title 23; or
 - b. reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or aquatic habitats
4. Safe Routes to School coordinator
5. Planning, designing, or construction boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways.

Is this **Sidewalk** project at least 5 feet wide?

- If **Yes** – the project is eligible.
- If **No** – the project application is not acceptable.

Is this an activity that can be funded with **Transportation Alternatives Funds**?

- If **Yes** – the project is eligible.
- If **No** – the project application is not acceptable.

Local Match Requirement:

R2CTPO Resolution 2020-## provides that the governmental entity requesting state and/or federal transportation funds shall be required to match those funds programmed on the project with local funds at the ratio of 10% local funds to 90% state and/or federal funds. The match shall be by project phase for each programmed phase including feasibility study. A non-federal cash match is required for a feasibility study. For all other phases, the local match is defined as non-federal cash match and/or in-kind services that advance the project. This resolution also reaffirms the R2CTPO's policy that the applying agency (project originator) shall be responsible for any cost overruns encountered on a project funded with state and/or federal transportation funds unless the project is on the state highway system, in which case, the State DOT shall be responsible for any cost overruns.

Other Funding Requirements:

All project applications are subject to approval by the R2CTPO Board. Other funds (in addition to SU funds) may be used to fund project phases or overall costs.

Electronic and "Hard Copy" Submittal Requirements:

Any project submitted by a local government for consideration **MUST** include the following information/materials:

1. Applications and supporting documentation shall be submitted as digital media in Portable Document Format (PDF).

Electronic documents must be submitted through the R2CTPO FTP site:

<https://www3.mydocsonline.com/cuploadcustom.aspx?id=R2CTPO&f=2021+Priority+Project+Applications>

2. The application and all supporting documentation shall be included in one electronic PDF file.
3. All document pages shall be oriented so that the top of the page is always at the top of the computer monitor.
4. Page size shall be either 8-1/2" by 11" (letter) or 11" by 17" (tabloid).
5. PDF documents produced by scanning paper documents are inherently inferior to those produced directly from an electronic source. Documents which are only available in paper format should be scanned at a resolution which ensures the pages are legible on both a computer screen and a printed page. We recommend scanning at 300 dpi to balance legibility and file size. If you are unable to produce an electronic document as prescribed here, please call us to discuss other options.
6. In addition to the digital submittal, we require one (1) complete paper copy of the application and all supporting documents. This must be identical to the digital submittal.

7. Submit any available right-of-way information.
8. **Each application MUST include a Project Map** that clearly identifies the termini of the project, Proximity to Community Assets and Network Connectivity through the use of a one (1) mile radius buffer for Shared Use Path projects and **Transportation Alternatives Activities** and a one-half (½) mile radius buffer for Sidewalk projects. Maximum map size is 11" x 17".
9. In addition, all maps MUST include a **Scale** (in subdivisions of a mile), **North Arrow, Title and Legend**. Photographs are optional.

Projects that contribute directly to the completion or enhancement of the following trail systems may be eligible for inclusion as Regional Trail Projects:

1. SunTrail Network
2. Priority and Opportunity Land Trails of the Florida Greenways and Trails System (FGTS) Plan

Will this proposed project contribute directly to the completion or enhancement of any of the aforementioned regional trail systems? Yes No

R2CTPO staff will provide assistance in completing an application at the request of any member local government.



2021 Application for Project Prioritization – **FEASIBILITY STUDY**

Bicycle/Pedestrian Projects

Project Title: _____

Applying Agency (project sponsor): _____ Date: _____

Contact Person: _____ Job Title: _____

Address: _____

Phone: _____ FAX: _____

E-mail: _____

Does the Applying Agency expect to be certified by FDOT to perform work under the Local Agency Program (LAP) process? YES NO

If not, what local government agency will perform the work on behalf of the Applying Agency? _____
[Attach a letter of intent from the agency that will perform the work.]

Governmental entity with maintenance responsibility for roadway facility on which proposed project is located: _____

[If not the same as Applying Agency, attach letter of support for the proposed project from the responsible entity. This letter of support must include a statement describing the responsible entity's expectations for maintenance of the proposed improvements, i.e., what the applying agency's responsibility will be.]

Priority of this proposed project relative to other applications submitted by the Applying Agency: _____

Project Description: _____

Project Location (include project length and termini, if appropriate, and attach location map): _____

Project Eligibility for Federal Funds (check the appropriate box):

- the proposed improvement is located on the Federal-aid system. (Reference the Federal Aid Road Report at <http://www.fdot.gov/planning/statistics/fedaid/>);
- the proposed improvement is **not** located on the Federal-aid system, but qualifies as a type of improvement identified in 23 U.S.C. §133 that is not restricted to the Federal-aid system.

Project Purpose and Need Statement:

In the space provided below, describe the purpose and need for this proposed project. It is very important that the Purpose and Need Statement is clear and complete. It will be the principal consideration in ranking the project

application for a feasibility study. It must convince the public and decision-makers that the expenditure of funds is necessary and worthwhile and that the priority the project is being given relative to other needed transportation projects is warranted. The Purpose and Need Statement will also help to define the scope for the feasibility study, the consideration of alternatives (if appropriate), and project design.

The purpose is analogous to the problem. It should focus on particular issues regarding the transportation system (e.g., mobility and/or safety). Other important issues to be addressed by the project should be identified as ancillary benefits. The purpose should be stated in one or two sentences as the positive outcome that is expected for each criterion. For example, "The purpose is to provide a connection between a park and a school." It should avoid stating a solution as a purpose, such as: "The purpose of the project is to add a sidewalk." It should be stated broadly enough so that no valid solutions will be dismissed prematurely.

The need should establish the evidence that the problem exists, or will exist if anticipated conditions are realized. It should support the assertion made in the Purpose Statement. For example, if the Purpose Statement is based on safety improvements, the Need Statement should support the assertion that there is or will be a safety problem to be corrected. The need should be described for each criterion. When applying for a feasibility study, you should support your Need Statement with the best available evidence. However, you will not be expected to undertake new studies.

Purpose and Need Statements are required for all of the following Priority Criteria:

1. **Proximity to Community Assets:** this measure will estimate the potential demand of bicyclists and pedestrians based on the number of productions or attractions the facility may serve within a one (1) mile radius for Shared Use Paths or a one-half (½) mile radius for Sidewalks. A maximum of 20 points will be assessed.
Purpose and Need (required): _____
2. **Connectivity and Accessibility:** this measure considers the gaps that exist in the current network of bike lanes, bike paths and sidewalks. The measurement will assess points based on the ability of the proposed project to join disconnected networks or complete fragmented facilities. A maximum of 20 points will be assessed.
Purpose and Need (required): _____
3. **Safety/Security:** this measure provides additional weight to applications that have included safety as a component of the overall project and includes school locations identified as hazardous walking/biking zones and areas with significant numbers of safety concerns. A maximum of 25 points will be assessed.
Purpose and Need (required): _____
4. **Contribution to "Livability" and Sustainability in the Community:** this measure considers factors that have an impact on "livability" and sustainability in the community. A maximum of 10 points will be assessed.
Purpose and Need (required): _____
5. **Enhancements to the Transportation System:** this measure considers the demonstrated and defensible relationship to surface transportation. A maximum of 10 points will be assessed.
Purpose and Need (required): _____
6. **Public Support/Special Considerations:** describe whether the proposed facility has public support and provide documentation (e.g., letters of support/signed petitions/public comments from community groups, public meeting minutes, homeowners associations, school administrators). Describe any special issues or concerns that are not being addressed by the other criteria. A maximum of 5 points will be assessed.
Purpose and Need (required): _____
7. **Local Matching Funds > 10%:** if local matching funds greater than 10% of the estimated project cost are available, describe the local matching fund package in detail. A maximum of 20 points will be awarded.
Purpose and Need (required): _____



2021 Application for Project Prioritization – PROJECT IMPLEMENTATION

Bicycle/Pedestrian Projects

Project Title: _____

Applying Agency (project sponsor): _____ **Date:** _____

[Attach a copy of the completed Feasibility Study, or explain in the space provided below for commentary why a Feasibility Study is not attached.]

Commentary: _____

Attach a completed copy of FDOT’s Project Information Application Form.

Criteria Summary:

Priority Criteria	Points
(1) Proximity to Community Assets	20
(2) Connectivity and Accessibility	20
(3) Safety/Security	20
(4) Contribution to “Livability” and Sustainability in the Community	10
(5) Enhancements to the Transportation System	10
(6) Project Readiness	5
(7) Public Support/Special Considerations	5
(8) Local Matching Funds > 10%	20
(9) Value-Added Tie Breaker (if necessary)	variable
Total (excluding Value-Added Tie Breaker)	110

Criterion #1 – Proximity to Community Assets (20 points maximum)

This measure will estimate the potential demand of bicyclists and pedestrians based on the number of productions or attractions the facility may serve within a one (1) mile radius for Shared Use Paths and **Transportation Alternatives Activities** or a one-half (½) mile radius for Sidewalks. A maximum of 20 points will be assessed overall, and individual point assignments will be limited as listed below.

List and describe how the facilities link directly to community assets and who is being served by the facility. Show each of the Community Assets on a Project Area Map through the use of a buffer and describe in the space provided.

Proximity to Community Assets	Check All that Apply	Max. Points
Residential developments, apartments, community housing	<input type="checkbox"/>	4
Activity centers, town centers, office parks, post office, city hall/government buildings, shopping plaza, malls, retail centers, trade/vocational schools, colleges, universities	<input type="checkbox"/>	4
Parks, trail facilities, recreational facilities	<input type="checkbox"/>	4
Medical/health facilities, nursing homes, assisted living, rehabilitation center	<input type="checkbox"/>	4
School bus stop (K-12)	<input type="checkbox"/>	2
Schools (K-12)	<input type="checkbox"/>	2
Maximum Point Assessment		20

Criterion #1 Description (required): _____

Criterion #2 – Connectivity and Accessibility (20 points maximum)

This measure considers the gaps that exist in the current network of bike lanes, bike paths and sidewalks. The measurement will assess points based on the ability of the proposed project to join disconnected networks or complete fragmented facilities. Does the project enhance mobility or accessibility for disadvantaged groups, including children, the elderly, the poor, those with limited transportation options and the disabled?

List and describe how this project fits into the local and regional bicycle/pedestrian networks and/or a transit facility. Depict this on the map and describe in the space provided.

Network Connectivity and Accessibility	Check All that Apply	Max. Points
Project provides access to a transit facility	<input type="checkbox"/>	5
Project extends an existing bicycle/pedestrian facility (at one end of the facility)	<input type="checkbox"/>	5
Project provides a connection between two existing or planned/programmed bicycle/pedestrian facilities	<input type="checkbox"/>	5
Project has been identified as “needed” in an adopted document (e.g., comprehensive plan, master plan, arterial study)	<input type="checkbox"/>	5
Maximum Point Assessment		20

Criterion #2 Description (required): _____

Criterion #3 – Safety/Security (20 points maximum)

This measure provides additional weight to applications that have included safety as a component of the overall project and includes safety related transportation performance data and school locations identified as hazardous walking/biking zones and areas with significant numbers of safety concerns.

List and describe how this project will help the River to Sea TPO meet or exceed the adopted Transportation Safety Target for Non-Motorized Serious Injuries and Fatalities. List and describe whether the proposed facility is located within a “hazardous walk/bike zone” in the River to Sea TPO planning area and provide documentation that illustrates how bicycle or pedestrian safety could be enhanced by the construction of this facility.

For more information, contact Volusia or Flagler County School District Student Transportation Services and refer to Florida Statute 1006.23.

Safety/Security	Check All that Apply	Max. Points
The project will contribute to a reduction in the number of Non-Motorized Serious Injuries and Fatalities in the River to Sea TPO planning area. If applicable, provide documentation.	<input type="checkbox"/>	10
The project is located in an area identified as a hazardous walk/bike zone by Volusia or Flagler County School District Student Transportation Services and within the River to Sea TPO planning area. If applicable, provide documentation.	<input type="checkbox"/>	5
The project removes or reduces potential conflicts (bike/auto and ped/auto). There is a pattern of bike/ped crashes along the project route. The project eliminates or abates a hazardous, unsafe, or security condition in a school walk zone as documented in a school safety study or other relevant study. If applicable, provide documentation such as photos or video of current situation/site or any supportive statistics or studies.	<input type="checkbox"/>	5
Maximum Point Assessment		20

Criterion #3 Description (required): _____

Criterion #4 Contribution to “Livability” and Sustainability in the Community (10 points maximum)

This measure considers how the project positively impacts the “Livability” and Sustainability in the community that is being served by that facility. Depict assets on a project area map and describe in the space provided.

Contribution to “Livability” and Sustainability in the Community (Maximum 10 Points)

- Project includes traffic calming measures
- Project is located in a “gateway” or entrance corridor as identified in a local government applicant’s master plan, or other approved planning document
- Project removes barriers and/or bottlenecks for bicycle and/or pedestrian movements
- Project includes features which improve the comfort, safety, security, enjoyment or well-being for bicyclists, pedestrians, and/or transit users
- Project improves transfer between transportation modes
- Project supports infill and redevelopment consistent with transit-oriented design principals and strategies are in place making it reasonably certain that such infill and redevelopment will occur
- Project supports a comprehensive travel demand management strategy that will likely significantly advance one or more of the following objectives: 1) reduce average trip length, 2) reduce single occupancy motor vehicle trips, 3) increase transit and non-motorized trips, 4) reduce motorized vehicle parking, reduce personal injury and property damage resulting from vehicle crashes
- Project significantly enhances the travel experience via walking and biking
- Project improves transportation system resiliency and reliability
- Project reduces (or mitigates) the storm water impacts of surface transportation

Criterion (4) Describe how this project contributes to the “Liveability” and Sustainability of the Community:

Criterion #5 Enhancements to the Transportation System (10 points maximum)

This measure considers the demonstrated and defensible relationship to surface transportation.

Describe how this project fits into the local and regional transportation system. Depict this on the map where applicable and describe in the space provided.

Enhancements to the Transportation System (Maximum 10 Points)

- Is the project included in an adopted plan?
- Is the project consistent with the goals of the River to Sea TPO’s Complete Streets Policy on Page 5?
- Does local government have Land Development Code requirements to construct sidewalks?
- Does the project relate to surface transportation?
- Does the project improve mobility between two or more different land use types located within 1/2 mile of each other, including residential and employment, retail or recreational areas?
- Does the project benefit transit riders by improving connectivity to existing or programmed pathways or transit facilities?
- Does the project conform to Transit Oriented Development principles?
- Is the project an extension or phased part of a larger redevelopment effort in the corridor/area?

Criterion #5 Describe how this project enhances the Transportation System:

Criterion #6 Project “Readiness” (5 Points maximum)

This measure considers the state of project readiness. Describe project readiness in the space provided.

Project Readiness (Maximum 5 Points)

- Is there an agreement and strategy for maintenance once the project is completed, identifying the responsible party?
- Is the project completed through the design phase?
- Is right-of-way readily available and documented for the project?

Criterion #6 Describe the state of Project “Readiness”:

Criterion #7 – Public Support/Special Considerations (5 points maximum)

Describe whether the proposed facility has public support and provide documentation (e.g., letters of support/signed petitions/public comments from community groups, homeowners associations, school administrators). Describe any special issues or concerns that are not being addressed by the other criteria.

Special Considerations	Check All that Apply	Max. Points
Is documented public support provided for the project?	<input type="checkbox"/>	5
Are there any special issues or concerns?	<input type="checkbox"/>	5
Maximum Point Assessment	<input type="checkbox"/>	5

Criterion #7 Description (required): _____

Criterion #8 – Local Matching Funds > 10% of Total Project Cost (20 points maximum)

If local matching funds greater than 10% of the estimated project cost are available, describe the local matching fund package in detail.

	Check One	Max. Points
Is the Applicant committing to a local match greater than 10% of the estimated total project cost?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10.0% < Local Matching Funds < 12.5%	<input type="checkbox"/>	2
12.5% ≤ Local Matching Funds < 15.0%	<input type="checkbox"/>	4
15.0% ≤ Local Matching Funds < 17.5%	<input type="checkbox"/>	6
17.5% ≤ Local Matching Funds < 20.0%	<input type="checkbox"/>	8
20.0% ≤ Local Matching Funds < 22.5%	<input type="checkbox"/>	10
22.5% ≤ Local Matching Funds < 25.0%	<input type="checkbox"/>	12
25.0% ≤ Local Matching Funds < 27.5%	<input type="checkbox"/>	14
27.5% ≤ Local Matching Funds < 30.0%	<input type="checkbox"/>	16
30.0% ≤ Local Matching Funds < 32.5%	<input type="checkbox"/>	18
32.5% ≤ Local Matching Funds	<input type="checkbox"/>	20
Maximum Point Assessment		20

Criterion #8 Description (required): _____

Criterion #9 – Value-Added Tie Breaker (if necessary) (variable points)

Projects with equal scores after evaluations using the eight Project Proposal Criteria are subject to the Value-Added Tie Breaker. The BPAC and Project Review Subcommittee are authorized to award tie breaker points based on the additional value added by the project. A written explanation of the circumstances and amount of tie breaker points awarded for each project will be provided.

River to Sea TPO Complete Streets Policy Goals

- **Reduce injuries and fatalities**
- **Provide transportation options for people of all ages, physical abilities, and income levels**
- **Improve health by promoting active lifestyles through design to realize long-term health impacts**
- **Support equitable access to employment opportunities and civic resources**
- **Support economically healthy/vibrant communities**
- **Implement resilient and sustainable solutions**



2021 Priority Process for Bicycle/Pedestrian and B/P Local initiatives Projects

Feasibility Studies

1. Local government submits project(s)
2. BPAC reviews and ranks projects for feasibility studies
3. The TPO Board will approve a final ranking of all projects
4. TPO requests a Fee Proposal from consultant to perform a feasibility study
5. TPO schedules a scoping meeting with the consultant, FDOT and local government(s)
6. Consultant provides Fee Proposal to TPO
7. Local government pays the 10% local match for the feasibility study based on the Fee Proposal. TPO pays the majority of the cost for a consultant to perform feasibility studies on the higher ranking projects. (Local governments can bypass the TPO Study if they pay for the feasibility study themselves.)
8. TPO gives the consultant a Notice to Proceed on the feasibility study
9. Draft feasibility study is reviewed and approved by the TPO, FDOT and local government(s)
10. Final feasibility study is completed

Project Implementation

1. Local government submits project(s) and an official letter agreeing to pay 10% of the programmed project implementation cost, and agreeing to pay for any cost overruns
2. BPAC reviews and ranks projects for project implementation
3. The TPO Board will approve a final ranking of all projects
4. TPO coordinates with FDOT to program the project in the next available fiscal year of the FDOT Work Program
5. Construction of top ranked project: 2-4 years