

# eTIP User Guide – DMMC STP-Local Call for Projects

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# Introduction

The FY 2021-2025 DMMC STP Call for Projects will be completed online using the CFP module of CMAP's eTIP database. Project and applicant information, including scope, location, and requested funding, will be entered directly into the database. Applicants will use the eTIP mapping tool to "draw" their project and required supplemental forms should be attached to the project within the eTIP.

In addition to filling out information in the eTIP database, applicants should include the following additional pieces of information with their application:

- Supplemental Scoring Form (Roadway or Trail)
- Detailed Cost Estimate/Engineer's Estimate
- Scoring Backup Documents (Complete Streets policy, Phase I. Eng status verification, etc.)

All of these documents should be uploaded to the Documents section of the eTIP.

The eTIP database requires applicants to establish login credentials, as described in this document, in order to submit applications. Staff of any agency eligible to apply for and receive DMMC STP funding may request credentials. Consultants who are completing an application on behalf of an eligible agency can also request eTIP login credentials.

# **Accessing eTIP**

This section serves to familiarize users with the layout and functionality of the eTIP database. To access the secure site, visit <a href="https://etip.cmap.illinois.gov/secure">https://etip.cmap.illinois.gov/secure</a>.

# Account Setup and Login

Access to the eTIP database begins with the login screen. Returning users can simply login with the correct username and password. Usernames are not case-sensitive but passwords are. New users must first set up an account by clicking on the "Click Here" link as shown in Figure 1. The same link can be used to reset forgotten passwords.

CMAP

Welcome To eTIP!

Enter your User ID

Enter your Password

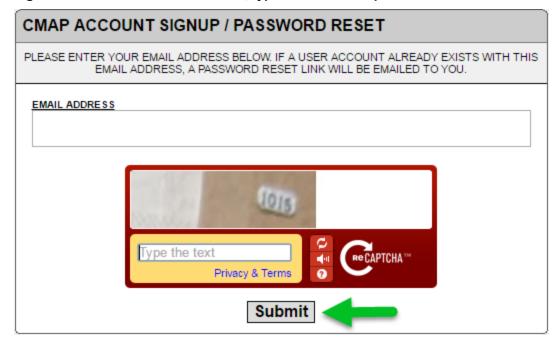
LOGIN

NEW TO ETIP? FORGOT YOUR PASSWORD? CLICK HERE.

Figure 1. Click the "Click Here" link to register for an account.

Next, users will be prompted to enter a valid email address and complete the Captcha verification as displayed in Figure 2. The Captcha verification tool provides options for users to regenerate a new image or to play audio if the original image cannot be seen clearly.

Figure 2. Enter a valid email address, type the text in the photo and click "Submit".



Next, users will be prompted to select a password, provide contact information and select their user type as shown in Figure 3.

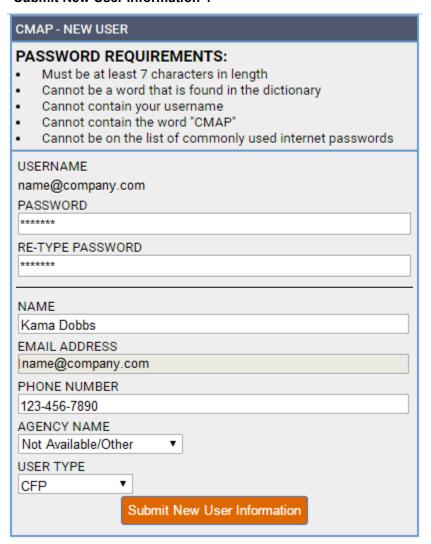


- Enter a password, following the password requirements.
- In the "Name" field, be sure to enter your first and last name.
- Enter a 10-digit phone number.
- Select the appropriate agency from the drop-down list. The agencies listed are those
  that have edit rights to program and manage funding in eTIP. Local agency
  (municipalities, park districts, etc.) staff or their representatives should select the
  appropriate regional council as their agency.

\*For users that may be completing applications for multiple local agencies, select "Not Available/Other" and email Kama Dobbs (<a href="kdobbs@cmap.illinois.gov">kdobbs@cmap.illinois.gov</a>) and Doug Ferguson (<a href="defengation-emap.illinois.gov">defengation-emap.illinois.gov</a>) a list of agencies that you may be preparing applications for so that you can be granted access to multiple councils.

- Select the appropriate user type.
  - User types include CFP, read-only, sponsor, CMAP, and state, FHWA and FTA
    approval of TIP. For the DMMC Call for Projects (CFP), new users should select
    CFP as their user type.
  - o For CDOT, County DOTs, IDOT, and transit agencies only: CFP users will not be able to submit applications directly to CMAP. Only users with edit rights for an agency can submit. To obtain edit rights, select sponsor as your user type. CMAP staff will verify requests for additional edit rights with existing users from your agency.

Figure 3. Complete the new user form, making sure to follow the password requirements, and click "Submit New User Information".



New users will receive an email indicating they have successfully submitted a request for a user account. Click the link in the email to verify the address. After the verification, CMAP staff will be notified of the request. Although CMAP staff will attempt to review user requests as soon as possible, it may take up to three business days for CMAP staff to review and approve accounts. Once approved, users will receive an email indicating the request for access has been approved and the user will be able to log in.

# Navigating eTIP

Navigation throughout the eTIP database is accomplished using the menu bars at the top of each page. The menu choices vary by user level and the figures presented here illustrate the view of CFP users. Other users should refer to the <u>Information for Current eTIP Users</u> section of this document. The top menu bar remains at the top of the page in every page view and its menu items are explained in Figure 4.

Figure 4. Hover the mouse over items in the top menu bar to reveal the next menu levels.



- Click the CMAP logo to return to the eTIP home page
- Access project lists or start a new application from the CFP Tools menu.
- Click the logout icon to sign out of the eTIP database

# **Home Page**

The home page provides an at-a-glance summary of the status of the user's applications. Applications that are "In Progress" are listed individually. The summary bar above the list also displays the number of the user's projects that have been submitted to CMAP, and the number of projects that have been denied by CMAP, as illustrated in Figure 5 below. Return to this list at any time by clicking on the CMAP logo, or by selecting "My In Progress CFP List" from the CFP Tools menu.

Figure 5. CFP Home Page Displays In Progress Applications



# In Progress Applications

Applications that have been started and saved, but not yet submitted to CMAP for review, are considered to be *In Progress*. In progress applications that have been submitted for Planning Liaison review, but not yet submitted to CMAP, will have a CFP Status of "Save As Final". To review and/or edit a pending application prior to saving as final, click on the ID link to open the most recently saved version of the project. Note, once saved as final, only planning liaisons and CMAP staff can release an application for additional changes. If you are a CFP user and need to make changes to your application prior to submittal to CMAP, please contact your planning liaison(s). Once released, the CFP Status will be "Unsubmit Final".

#### **CFP Submitted**

From the home page, click on "CFP Submitted" to view a list of applications that have been reviewed by your planning liaison(s) and submitted to CMAP. **Submitted changes are read-only.** To view a submitted application, click on the ID link. In order to un-submit an application, CFP users must contact their planning liaison(s). If not re-submitted by the planning liaison prior to the application deadline, the application **will not** be considered for funding.

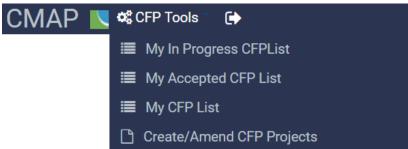
#### **CFP In Denied**

From the home page, click on "In Denied (CFP)" to view a list of applications that have been submitted to CMAP staff, but denied. The list will include the reason for denial. Prior to the final application deadline, applicants may attempt to address denial comments. Please contact your planning liaison(s) to release the project for editing.

# Contact CMAP or eTIP Help

At the bottom of the home page are links to contact CMAP and eTIP help. For project-specific or procedural questions, contact CMAP. For technical issues, such as broken links and server error messages, contact eTIP help.

# **CFP Tools Menu**



# My In Progress CFP List

Selecting "My In Progress CFP List" will return users to the home page list of applications in progress.

# **My Accepted CFP List**

A list of applications which have been accepted by CMAP for funding consideration can be viewed here.

# My CFP List

A complete list of the user's applications, regardless of status, is displayed as in Figure 6, including each project's ID, Lead Agency (Programming Lead), Application Status (icons), Title, Project Type, Exempt Status, Total Cost, and indicators (icons) of associated maps and documents. Above the list is an advanced search box, from which the user can search for projects by a variety of fields.

Figure 6. My CFP list contains all projects for which the user has saved or submitted an application and is searchable by using the search tool at the top of the page.



To view project details for a listed project, simply click on the project's ID link. Status icons are as described in Figure 7.

#### Figure 7. My CFP project status icons

- ( Application saved, but not yet submitted to CMAP staff
- (O) Submitted application denied by CMAP staff
- (C) Application submitted to, but not yet reviewed by, CMAP staff
- (☑) Application accepted by CMAP staff

# **Create/Amend CFP Projects**

To begin a new application select Create/Amend CFP Projects, then select "Create New Project" to start a new application with a blank form.

# Log Out

By clicking the "Log Out" icon, users are logged out of the database and redirected to the login page.

# **Viewing Projects**

# **Project Pages**

Once a new application has been created, and an ID assigned by saving the application in progress, additional "tabs" are available to the user, as shown in Figure 9 on the following page. Users can navigate from one tab to another without losing changes made on other tabs, however, information on each tab must be saved using the save button on that tab to retain the changes before navigating away from the project application to any other menu item, such as the home page or My CFP List.

#### **Header Information**

Header information is shown in blue at the top of all project pages.

#### Figure 8. Project header

TIP ID: II11184199	VERSION: 1	STATUS: In Progress - Application			
LAST MODIFIED BY: KAMA DOBBS LAST MODIFIED DATE: 12/19/2016					

#### TIP (Project Application) ID (autogenerated)

The TIP (Project Application) ID is the unique identification number for the project within the TIP database. During the application process, the TIP ID field will be populated with the Project Application ID. If selected for funding, a project's application ID will be converted to a TIP ID. These IDs are autogenerated based on the Application Type, Programming Lead Agency, County, and Municipality in which the project is located.

#### Version

The history of changes to projects is controlled and documented using "versions". New applications will be version 1 of the project. Additional versions will be created if a project is selected for funding. The version is displayed at the top of the project detail page.

#### Status

The status of a project changes over its life from project entry into the eTIP database to the project being built. The status in the header information of a project indicates its current program status.

#### Last Modified

The user who last modified the project and date of the last project modification are displayed in the header information of the project page. To contact the user who last modified the project, simply click on the user's name to access the user's contact information.

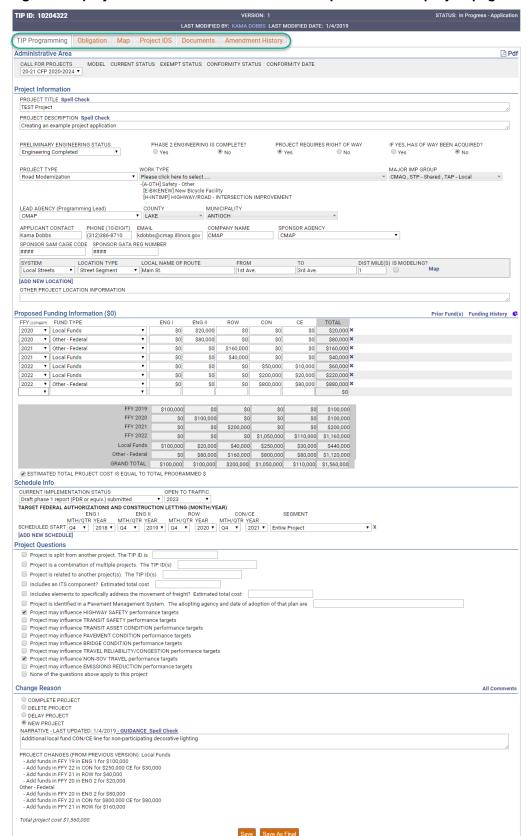


Figure 9. A project's information is stored on multiple tabs of the project page.

# **TIP Programming tab**

The main tab for viewing and changing project application information and for saving and submitting applications is the TIP Programming tab. Descriptions of the fields and instructions for data entry are provided in the <u>Completing the Application Form</u> section of this document.

#### **Alerts**

Below the header information, users may see a banner indicating the status of the version of the project they are currently viewing, as shown in Figure 10. If there are errors that need resolution prior to submitting an application, they will be displayed here.

Figure 10. Alerts about a project's status and error messages will appear in a yellow box under the project's header information.

KAMA DOBBS ACCEPTED 03-12-0002 VERSION 3 ON 6/20/2016 11:20:46 AM CHANGES BETWEEN <u>PREVIOUS</u> AND THIS VERSION ARE HIGHLIGHTED IN <u>RED</u>. TO REVOKE THIS ACCEPTANCE, CLICK ON THE DENY BUTTON.

#### Administrative Area

Shown in Figure 11, the administrative area of the project form is editable only by CMAP staff. It indicates the application cycle that the project version displayed is a part of and the project's status related to air quality conformity.

Figure 11. The administrative area contains information related to the region's air quality conformity model in addition to TIP adoption/amendment and program information.

Administrative Area

CALL FOR PROJECTS MODEL CURRENT STATUS EXEMPT STATUS CONFORMITY STATUS CONFORMITY DATE

20-21 CFP 2020-2024

# **Project Information**

The project information area of the project form contains basic project information including the project title, description, and status, the application type, project type and specific work types, contact and sponsor information, and location information.

# **Proposed Funding Information**

All of the proposed funding for the project and the project's total cost is displayed in the proposed funding information area.

#### Schedule Info

The Schedule Information section captures the current implementation status of the project and the target date (month/year) for construction letting, federal authorization of non-construction phases, or the start of non-federally funded phases.

## **Project Questions**

A series of questions provide information about related projects, project elements that are important to the implementation of ON TO 2050, and the influence a project may have on federal performance targets.

#### Change Reason

For the call for projects, all applications will display a change reason of "New Project". Narrative information that supplements the application may also be displayed here.

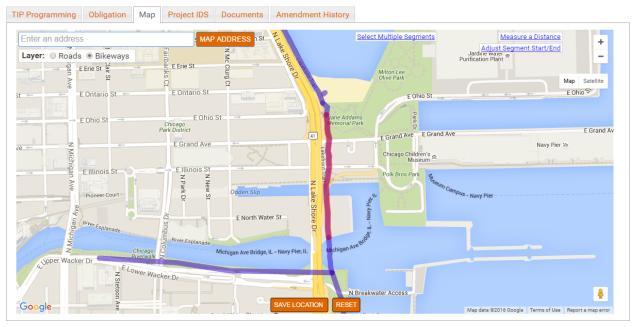
# **Obligation tab**

If selected for funding, this tab will track federal funding obligations throughout the life of the projects. During the application process, this tab will be blank.

# Map tab

Applicants should map project location(s), with assistance, review, and correction by planning liaisons or CMAP staff. The mapping application uses Google Maps as a base layer with IDOT's Illinois Road Information System (IRIS) and Illinois Structure Information System (ISIS) files, CMAP's regional off-road bikeway network, CTA and Metra train lines, and CREATE Corridors overlaid for TIP project location mapping. An example of a mapped bicycle project is shown in Figure 12. Detailed instructions for mapping projects are provided later in this document. Mapped projects are converted to shapefiles for GIS analysis.

Figure 12. The Map tab allows users to map projects by selecting a transit, road or bikeway segment.



# **Project IDs tab**

If selected for funding, several ID numbers will be assigned over the life of the project. The Project IDs tab provides a simple method of entering ID numbers. In most cases, these IDs will not be assigned until funding is secured and this tab will remain blank.

#### **Documents tab**

The Documents page is used to upload and display documents associated with the project. Detailed instructions for uploading documents are provided in the <u>Uploading Project Documents</u> section of this document.

# **Amendment History tab**

The history of changes to projects is controlled and documented using "versions". The Amendment History tab displays a log of versions from project creation within eTIP to completion. New applications will not have a history.

# **Completing the Application Form**

When starting a new application, only the TIP Programming tab of the project page will be available, as shown in Figure 13. The types of data fields, data entry tools, and fields included in each section of the form are described in detail in below. Once the Project Information section is complete, applicants should click on the "Save" button at the bottom of the form to save their work, check for errors, and establish a project ID. Doing so will also make the Map, Documents, and other "tabs", described earlier in this document, available for use.

# **Data Field Types and Data Entry Tools**

In eTIP, data entry is structured via the use of several different types of fields, including many pre-populated drop-down lists, which provide consistent data entry and limit data errors. Flexibility is built in to accommodate the need for different data to be collected that is specific to the type and location of projects.

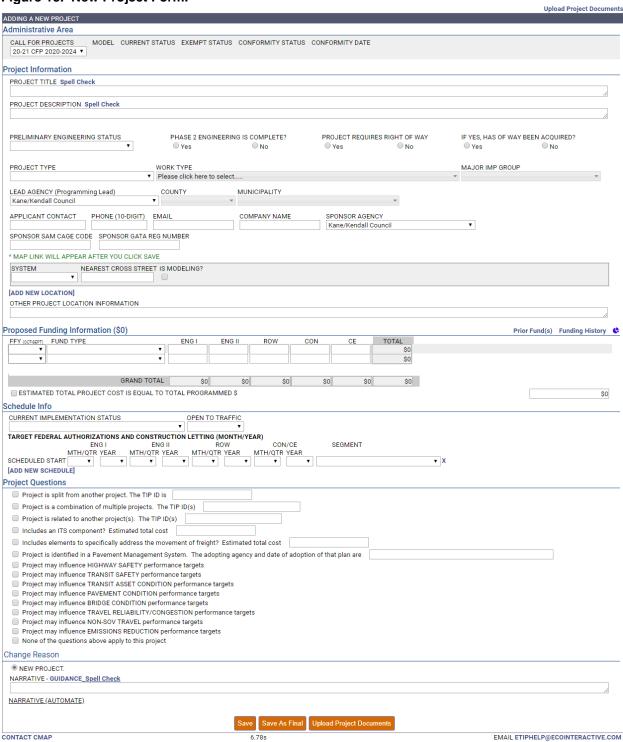
#### Text Boxes

Any text can be entered in a text box. The size of the box on the screen generally indicates the amount of detail that should be provided. Some text boxes, such as funding fields, may automatically format the entered text. Note that any text box with two dash marks in the bottom right corner may be expanded by clicking on that corner, holding, and dragging down to the desired size. Project title and description, contact information, select location fields, select financial fields, and change narrative are examples of text box fields.

# Drop-down Lists - Single Value

These fields contain lists of valid values for the field and allow for a single value to be chosen, such as a project type or federal fiscal year. Selecting from a list of valid values is important for triggering other database actions. For example, when entering project location information, users will first indicate the system on which the project is located (local streets, numbered routes, transit, etc.) and the type of location (bridge, intersection, street segment, bus route, train station, etc.) appropriate to the project, so that corresponding data (from/to for segments, at for intersections, etc.) is requested. Clicking on the down arrow will reveal the choices. Users may select a value in these fields by typing the first few letters of the selection. Application type, select location fields, and select financial fields are examples of single value drop-down lists.

Figure 13. New Project Form.



#### Drop-down Lists - Multi-select

Drop-down menus where multiple selections can be made (such as municipalities) have check boxes, and values are grouped within many of the drop-downs (such as fund sources, which are grouped as federal, state, local, or other). Clicking on the down arrow will reveal the choices. An unlimited number of values can be selected by checking all appropriate boxes and each choice must be manually selected by clicking the individual box. After moving to the next data field, selections will be displayed in the field, and can be edited by clicking the down arrow to expand the list. Work types, county, and municipality are examples of multi-select drop-down lists.

#### **Check Boxes**

Fields which use yes/no or true/false options, such as indicating that a public contact is the same as a primary contact, use a check box. Simply click in the box to check or uncheck the field. Status questions and total cost are examples of check box fields.

#### Spell Check

Text boxes requiring lengthy information or information that is often displayed on reports and the public site have a spell check tool for convenience.

#### Links

Within the project form, there are links to other information that may be helpful to users, such as "Add New Location" which will reveal an additional set of location fields. Links will be underlined when hovered over with a mouse, indicating the text is clickable.

#### **Icons**

Certain icons are used in lieu of text links throughout the database. For example, the delete icon (x) is used to clear information from financial lines. The cloud icon (4) is used to open a window for uploading documents.

# **Project Information**

This section includes basic project information including the project title and description, the application type, status information, overall project type and specific work types, and contact information, as shown in Figure 14.

Project Information PROJECT TITLE Spell Check PROJECT DESCRIPTION Spell Check PHASE 2 ENGINEERING IS COMPLETE? PROJECT REQUIRES RIGHT OF WAY IF YES, HAS OF WAY BEEN ACQUIRED? Yes O No Yes O No Yes O No PROJECT TYPE WORK TYPE MAJOR IMP GROUP ▼ Please click here to select..... COUNTY MUNICIPALITY LEAD AGENCY (Programming Lead) SPONSOR AGENCY APPLICANT CONTACT PHONE (10-DIGIT) EMAIL Kane/Kendall Council SPONSOR SAM CAGE CODE SPONSOR GATA REG NUMBER

Figure 14. Project information includes a description and work types as well as contact

#### Project Title (required)

Enter a short, public friendly title that, when displayed to the public alongside the project description, should clearly and concisely describe the where or what of the project. The title entered should generally match the project title that will be included on state and/or federal paperwork when the project is implemented. Click "Spell Check" after entering the project title to ensure spelling errors are corrected before proceeding.

#### Project Description (required)

Enter a **brief** (one sentence) description of the work being done on the project, such as "Add turn lanes, modernize traffic signal, and make ADA improvements." Click "Spell Check" after entering the project description to ensure spelling errors are corrected before proceeding. The description entered should be easily understood by the public. Lengthier narrative descriptions may be attached as separate documents, as described in the <u>Uploading Project Documents</u> section of this document.

#### Preliminary Engineering Status (required)

Select the status of Phase 1 or preliminary engineering from the drop-down list.

#### Phase 2 Engineering is Complete?

Indicate the status of Phase 2 (Design) Engineering.

#### Project Requires Right of Way?

Indicate if the project requires Right of Way.

#### If Yes, Has Right of Way Been Acquired?

Indicate the status of ROW acquisition.

#### Project Type (required)

Select the overall project type from the drop-down list. Project Type categories are intended to help DMMC, CMAP, partners, and the public understand the main focus of projects with multiple work types. Project Types are also used to summarize investments in the region and will provide a high-level illustration of the region's progress toward meeting the policy goals of ON TO 2050 and subsequent regional plans.

#### Work Type (at least one selection required)

Work types are used to represent individual project scope elements. Select every work type that will be included in the project by checking the box next to the description. More detailed descriptions of the work types, including the mode is associated with, and whether each is exempt or not exempt from air quality conformity analysis is available <a href="here">here</a>. More information on conformity requirements, including FAQs, is also available <a href="here">here</a>.

## Major Imp Group

Select STP - Local.

# Lead Agency (Programming Lead) (required; dictates autogenerated application and TIP IDs)

Select DuPage Council.

## County (required; dictates autogenerated application and TIP ID)

Select one or more counties in which the project is located by checking the box next to the county name. For projects that are not at a single location, such as purchasing vehicles or activities at various locations, if the primary use/location will be within a single county, select that county, otherwise select "Regionwide". A lead agency, county and municipality must be selected prior to saving a new project in order for a Project Application ID and TIP ID (if selected for funding) to be generated. If not assigned by lead agency, the Project Application ID and TIP ID will be assigned based on the first (alphabetic) county selected when the application is first saved.

## Municipality (required; dictates autogenerated TIP ID)

Select one or more municipalities in which the project is located by checking the box next to the municipality name. For projects in unincorporated areas, select the township, park district, school district, forest preserve district, or "Unincorporated". The municipalities available for selection are limited to those within the county(s) selected. All locations that the project passes through should be selected so that the project is listed when public site users search for projects by municipality. A lead agency, county, and municipality must be selected prior to saving a new project in order for a Project Application ID and TIP ID (if selected for funding) to be generated. If not assigned by programming lead agency and/or county, the TIP ID will be assigned based on the first (alphabetic) municipality selected when the application is first saved.

# Applicant Contact, Phone, Email, Company Name (required)

Enter the name, phone number e-mail address, and company (or agency) name of the person that is the primary contact for application information. The applicant contact should be the person that DMMC and CMAP staff should call with questions about the application and may be different than the person completing the application.

# Sponsor Agency

Select the agency that will be the primary sponsor of the project. Each project may have only one primary sponsor. This is the agency that will execute agreements with IDOT. For Park Districts, Forest Preserve Districts, or any other qualifying sponsor agency that is not listed, please select "Not Available/Other" and enter the Sponsor Agency in the Narrative field at the bottom of the form. For projects with multiple partners, enter the other participating partners in the Narrative

field at the bottom of the form. Attach letters of funding commitment from the partners on the Documents tab.

## Sponsor SAM Cage Code

Enter the System for Award Management (SAM) Commercial and Government Entity (Cage) code for the primary sponsor agency that will enter into funding agreements with IDOT for the project.

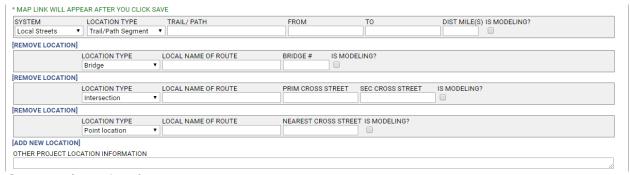
## Sponsor GATA Reg Number

Enter the Grant Accountability and Transparency Act (GATA) registration number for the primary sponsor agency that will enter into funding agreements with IDOT for the project. nGATA registration can be completed by accessing, completing and submitting the following Grantee Registration form: <a href="https://grants.illinois.gov/registration">https://grants.illinois.gov/registration</a>.

# **Project Location**

The location portion of the Project Information section includes data required to locate projects within the region and to model projects subject to conformity analysis. Avoid using "and" or "also" in location names. Instead, for projects that involve multiple locations, such as distinct roadway segments, a series of intersections, or several bus routes or train lines, each distinct location should be entered as a separate line. For projects that involve modelling for conformity determinations, if the characteristics (such as number of lanes, or speed limit) change along the length of the project, those distinct segments should be entered as separate lines, as described later under the "Is Modeling?" heading.

Figure 15. Enter multiple locations or location types on separate lines.



#### System (required)

Select the appropriate system from the list. The system selected not only affects the remaining location fields that will be available, but also which phase fields will be available in the Programming Information and Schedule Info sections of the project form.

#### Highway/# Road

- Projects on any road with an interstate, US, state, or county route number (township routes and FAU routes are not included).
- Available phases will be ENG I, ENG II, ROW, CON, and CE.

#### Local Streets

- o Projects on all other roads or on- or off-street bicycle/pedestrian/trails.
- o Available phases will be ENG I, ENG II, ROW, CON, and CE.

#### N/A

- Projects that are not location specific that have phase 1 and/or phase 2 engineering and/or a construction phase.
- o Available phases will be ENG I, ENG II, ROW, CON, and CE.

#### Non-Infrastructure

- Projects that are not location specific that have general engineering and/or implementation phases such as Safe Routes to School non-infrastructure projects and emissions reduction projects.
- o Available phases will be ENG, IMP, and CON.

## Location Type (required)

Select the appropriate location type from the list. Each system has different location type choices that affect the specific location information that is collected:

#### • Highway/# Road

- o Bridge
- Highway Segment
- o Interchange
- o Intersection
- Not Location Specific
- Point Location
- Various Locations

#### Local Streets

- Bridge
- Intersection
- Not Location Specific
- o Point Location
- Street Segment
- Trail/Path Segment
- Various Locations

#### • Non-Infrastructure

Education/Enforcement



- o Emissions Reduction
- Other
- o Traffic Control/Management

#### Location Fields

The fields available for location information vary by the System and Location Type selected. All possible fields are described below. The System/Location Types that they apply to are noted.

#### Route

Select the route number the project is located on.

- o I/US/IL/CH highways that have multiple designations
- o I Interstate
- o US US Highway
- o IL State Route
- o CH County Highway

Please contact CMAP staff if you believe a route is missing from the list.

Applies to: Highway/# Road System (required)

#### • Local Name of Route

For Highway/# Road, enter the local name of the primary location of the project. For example, US 14 is known locally in Cary as Northwest Highway. If there is no local name for a numbered route, leave this field blank. For Local Streets, indicate the street name of the primary location of project. For projects processed through IDOT Local Roads, the name should match all IDOT paperwork (PPI form, PDR title, etc.). Remember that for projects that involve multiple locations, such as distinct roadway segments, a series of intersections, or several bus routes or train lines, each distinct location should be described as a separate line.

Applies to: All location types on the Highway/# Road System (optional); Bridge, Not Location Specific, Point Location, Street Segment and Various Locations types on the Local Streets System (required)

#### • Bridge #

Enter the IDOT structure number of the bridge associated with the project. If more than one structure is included in the project, list each one on a separate location line. Note, structure numbers can be found using IDOT's <u>Bridge Information System Search page</u>. It is best to select the City or County in which the structure is located, and then pan/zoom to the project location to find the correct structure.

Applies to: Bridge location types on the Highway/# Road System or Local Streets System (required)

#### From

Enter the cross street that is at the northern or western end of the project. The "street" can also be another geographic feature such as a river, rail line, or political boundary (village limits, county line, etc.).

Applies to: Hwy Segment location type on the Highway/# Road System (required); Street Segment and Trail/Path location types on the Local Streets System (required)

#### To

Enter the cross street that is at the southern or eastern end of the project. The "street" can also be another geographic feature such as a river, rail line, or political boundary (village limits, county line, etc.).

Applies to: Hwy Segment location type on the Highway/# Road System (required); Street Segment and Trail/Path segment location types on the Local Streets System (required)

#### Dist Mile(s)

Enter the length of the project in miles. The map application can be used to measure distances, as described later in this chapter.

Applies to: Hwy Segment location type on the Highway/#Road System (required); Street Segment and Trail/Path Segment on the Local Streets System (required)

#### # Location(s)

Enter the approximate number of distinct locations where work will be done for projects with multiple locations that are not listed individually, such as filling sidewalk gaps within a geographic region.

Applies to: Various Locations type on Highway/# Road and Local Streets Systems (required)

#### Cross Route

For interchanges of two numbered routes, enter the route number of the secondary route.

Applies to: Interchange location type on the Highway/# Road System (optional)



#### • Cross Street Name

For interchanges, enter the local name of the secondary route.

Applies to: Interchange location type on the Highway/# Road System (required)

#### Cross Street

For intersections, enter the local name of the cross street.

Applies to Intersection location type on the Highway/# Road System (required)

#### • Nearest Cross Street

For locations along roadways that are not located at an intersection, enter the nearest cross street (or geographic feature) to the project location.

Applies to: Point location type on the Highway/# Road and Local Streets System (optional); All location types on the Transit System (optional)

#### • Prim Cross Street

Enter the primary cross street for an intersection.

Applies to: Intersection location type on the Local Streets System (required)

#### Sec Cross Street

Enter the secondary cross street for an intersection.

Applies to: Intersection location type on the Local Streets System (required)

#### • Trail/Path

For trails/paths that are named (such as the Illinois Prairie Path or Fox River Trail), enter the trail name.

Applies to: Trail/Path Segment on the Local Streets system (required)

#### • Route/Location Description

For bus route, train line, and CREATE corridor location types on the transit system, select the route, line, or corridor (including "multiple routes", "new route" and "systemwide"). For all other location types on the Transit system, enter a description of the location in this field, such as the street a bus stop is located on, or the specific location of a yard, garage, or support facility.

*Applies to: All location types on the Transit system (required)* 

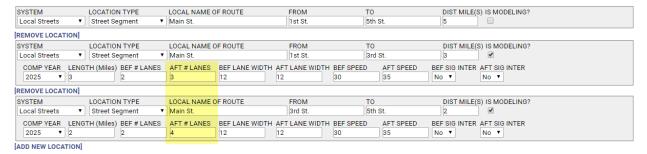
#### Is Modeling?

All projects with Not Exempt or Exempt Tested Work Types are modeled (see <u>Work Type</u> <u>information</u> on the <u>TIP Programmer Resources</u> web page). If the model segment matches the project limits, the box should be checked and the model information completed. If the model



segment differs from the overall project limits, or if the characteristics (such has speed limits) change within the project limits, users will need to add a new location for each distinct model segment, check the box, and complete the model information for each segment to be modeled. For example, in Figure 16, the number of lanes after the improvement changed.

Figure 16. Model segments that differ from the project limits



#### Link: Map

The "Map" link at the right of the location information section redirects the user to the map application, zoomed in to the location entered. For new projects, the map link will only be available after project information is saved for the first time. If a project cannot be mapped within eTIP, the user should attach a map in the documents tab.

#### Links: Add New Location / Remove Location

If there is more than one location for the project, click "[ADD NEW LOCATION]" to display another line for entering location information. Conversely, a "[REMOVE LOCATION]" option will appear if the user wishes to permanently delete the additional location. The first location listed can never be removed.

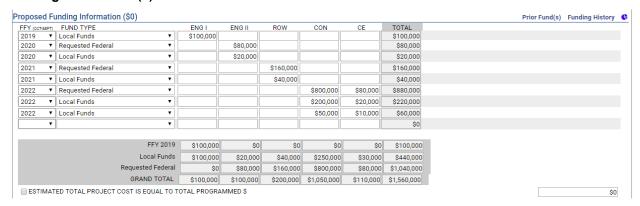
#### Other Location Information

Enter any other information about the project location that is not contained in the previous location fields, such as omissions within the limits.

# **Proposed Funding Information**

The Proposed Funding Information section contains the detailed financial information about the project, as shown in Figure 17. The section includes the Estimated Total Project Cost field, which applies to the entire project, and a series of fields that apply to each financial line item.

Figure 17. Funds programmed in years prior to the current TIP years can be viewed/hidden by clicking "Prior Fund(s)".



When applying for STP funding for a project, <u>all</u> phases of the project, and <u>all</u> fund sources being used must be included in the Proposed Funding Information section. The following should be considered prior to entering proposed funding information:

- All funding amounts are in actual whole dollars, not thousands (\$000's).
- Each line of federal funding requires a corresponding line showing local match.
- Construction Engineering must be entered separately from Construction but can be entered on the same financial line if it is funded in the same year and with the same fund source as construction.
- Every fund source being utilized on a project, including state and local matching and nonmatching funds, must be entered on its own line.
- Subtotals by line item, FFY, and fund source, as well as grand totals, will be calculated and displayed automatically.

When viewing proposed funding information, funds in years prior to 2020 will be hidden by default, making it easier to see and review what is the proposed funding. Those prior year funds can be viewed or hidden by clicking on the "Prior Fund(s)" link at the top of the funding table.

# FFY (federal fiscal year)

Select the federal fiscal year (FFY) in which the line item will be authorized (for federal fund sources) or first expended (for state or local fund sources). The federal fiscal year is from October 1 (of the prior calendar year) to September 30. For any phases which were authorized prior to FFY 2015, include the year, fund source and amount of funds in the Narrative field at the bottom of the form. Remember to include these funds in the estimated total project cost.

# **Fund Type**

Select the source of funds proposed for each line item. Select "Requested Federal" for the federal portion of the funds you are applying for. Do not select a specific fund source unless the funds have been secured. Attach documentation demonstrating that the funds are secured. A description of current <u>fund sources</u>, including how they are distributed, who is responsible for programming and whether they are federal, state or local, is available on the <u>TIP Programmer Resources</u> page of the CMAP web site.

## Phases (ENG I, ENG II, ROW, CON, CE, ENG, IMP)

Enter the cost for each line item (FFY and funds source) in the appropriate phase column in dollars.

For Highway/# Road, Local Streets, and N/A systems, the phases are:

- ENG I preliminary engineering
- ENG II design engineering
- **ROW** right-of-way acquisition
- **CON** construction
- CE construction engineering

For Transit and Non-Infrastructure systems the phases are:

- **ENG** pre-implementation studies or planning or preliminary and/or design engineering for construction projects
- IMP implementation
- **CON** construction

#### Total

The line item total is auto calculated.

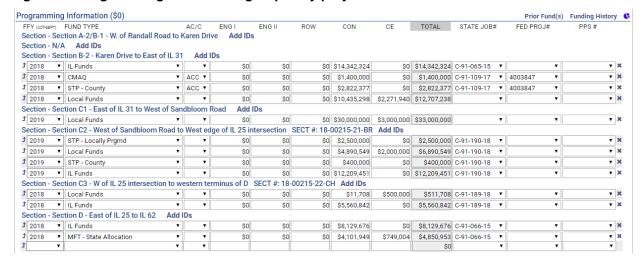
# Estimated total project cost is equal to total programmed \$

Select this check box to indicate if the estimated total project cost (all phases and all fund sources, whether included in the TIP or not) is equal to the displayed grand total amount in eTIP. If they are not equal, such as when TDCs or TDCHs are used, or funds have been authorized prior to FFY 2015, do not check the box, and instead enter the total project cost manually.

# **Grouping Funding by Project Sections**

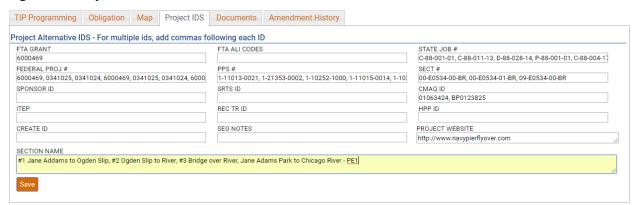
For complex projects being implemented over multiple years or in segments or stages, or for projects with mixed funding that is designated for a specific portion of the overall project, users will be able to create "subprojects" called sections for managing the individual projects within a larger project. The intent of subprojects is to provide a way to identify the line items within a project that are implemented under different section IDs (roads), different FTA grants or service board projects (transit), or other logical "breaks" to be grouped together for more logical and comprehensive tracking.

Figure 18. Programming Information grouped by project sections



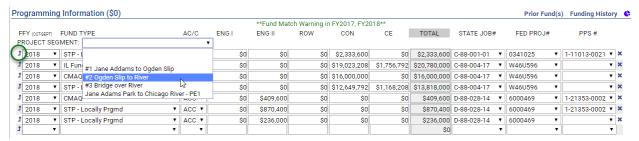
In order to organize fund line items into sections, the section titles must first be created in the Project IDs tab in the "Section Name" field, separated by commas, as illustrated in Figure 20.

Figure 19. Project IDs tab - Section Name



Upon clicking "Save", the section names will be available for selection in the Programming Information section of the TIP Programming tab by clicking on the arrow icon (1) for each line item to be assigned to a section.

Figure 20. Programming Information - Adding project segments



After saving the section assignments, additional identifiers may be added to each section, by clicking the Add IDs link.

Figure 21. Programming Information - Adding additional section IDs

rogrammin	g Information (\$0)										Prior Fund(s)	<b>Funding History</b>
FFY (OCT-SEPT)	FUND TYPE		AC/C	ENG I	ENG II	ROW	CON	CE	TOTAL	STATE JOB#	FED PROJ#	PPS#
Section - Se	ction A-2/B-1 - W. of Randa	II Road to k	(aren Dri	ve Add ID:	S							
Section - N/	A Add IDs			-								
Section - Se	ction B-2 - Karen Drive to E	ast of IL 31	Add I	IDs 🕌 📉								
<b>1</b> 2018 ▼	' IL Funds	•	•	\$0	\$0	\$0	\$14,342,324	\$0	\$14,342,324	C-91-065-15	7	v :
2018 ▼	CMAQ	•	ACC ▼	\$0	\$0	\$0	\$1,400,000	\$0	\$1,400,000	C-91-109-17	▼ 4003847 ▼	▼ :
<b>1</b> 2018 ▼	STP - County	•	ACC ▼	\$0	\$0	\$0	\$2,822,377	\$0	\$2,822,377	C-91-109-17	▼ 4003847 ▼	▼ :
<b>1</b> 2018 ▼	Local Funds	•	•	\$0	\$0	\$0	\$10,435,298	\$2,271,940	\$12,707,238		· ·	▼ :
Section - Se	ction C1 - East of IL 31 to V	Vest of San	dbloom	Road Add	IDs							
<b>1</b> 2019 ▼	Local Funds	•	▼	\$0	\$0	\$0	\$30,000,000	\$3,000,000	\$33,000,000		·	▼ :
Section - Se	ction C2 - West of Sandblo	om Road to	West ed	lge of IL 25 in	ntersection	SECT #: 18-	00215-21-BF	R Add IDs				
<b>1</b> 2019 ▼	STP - Locally Prgmd	•	▼	\$0	\$0	\$0	\$2,500,000	\$0	\$2,500,000	C-91-190-18	·   ·	▼ :
Ĵ 2019 ▼	Local Funds		7	\$0	\$0	\$0	\$4,890,549	\$2,000,000	\$6,890,549	C-91-190-18	7	▼ :
<b>1</b> 2019 ▼	STP - County	•	•	\$0	\$0	\$0	\$400,000		\$400,000	C-91-190-18	· •	▼ :
<b>1</b> 2019 ▼	IL Funds	•		\$0	\$0	\$0	\$12,209,451	\$0	\$12,209,451	C-91-190-18	, ,	▼ :
	ction C3 - W of IL 25 inters	ection to we	estern te		SECT #: 18-	00215-22-C		•	, ,			
1 2018 ▼	Local Funds	•	_	\$0	\$0	\$0	\$11,708	\$500,000	\$511,708	C-91-189-18	·   ·	▼ :
Ĵ 2018 ▼	IL Funds		_	\$0	\$0	\$0	\$5,560,842	\$0	\$5.560.842	C-91-189-18	, ,	▼ :
	ction D - East of IL 25 to IL	62 Add I	Ds		-		11,100,012		11,100,012			
	IL Funds	V 700 1	▼	\$0	\$0	\$0	\$8,129,676	\$0	\$8.129.676	C-91-066-15	, ,	v :
1 2018 ▼	MFT - State Allocation	·	7	\$0	\$0	\$0				C-91-066-15	, ,	▼ :
1 2018				30	30	30	Q <del>4</del> ,101,949	\$7.49,004	\$4,830,933			· ·

#### Schedule Info

The Schedule Information section captures the current implementation status of the project and the target date (month/year) for construction letting, federal authorization of non-construction phases, or the start of non-federally funded phases.

The phases for which schedule information is requested varies by the "system" selected for each project and matches the phases for which funding information is requested, as shown in Figures 23 and 24.

Figure 22. Schedule Info - Highway/# Road, Local Streets, and N/A location types

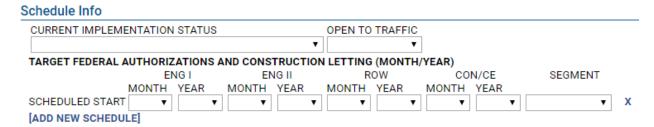
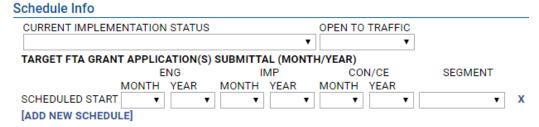


Figure 23. Schedule Info - Transit and Non-Infrastructure location types



#### **Current Implementation Status**

Select the current status of the entire project from the drop-down list. The choices are generally arranged in the order they occur from "Project Scoping" to "Project Closed Out" for projects processed through IDOT/FHWA and from "Preparing FTA Grant Application" to "FTA Grant Closed Out" for projects processed through FTA.

## Open to Traffic (required)

Select the calendar year in which the project will be complete, and open for public use. This information is required for all projects. The open to traffic year should be the same as the completion year for Not Exempt and Exempt Tested projects. For non-infrastructure projects, the open to traffic year should be the year in which the project will be implemented. For multi-year programs, the final year should be selected.

#### Scheduled Start Month/Year (required)

Select the Month and Year that each funded phase of the project is scheduled to start. In general, "start" means the date when funds are obligated or a contract or agreement to complete work is executed. A month and year are required for all phases with any funding in the current FFY. A year is requested for all funded phases and should reflect the actual planned project schedule (calendar year), not the funding year, which may differ from the target year due to financial constraint or other programming considerations. In some cases, particularly non-federally funded engineering phases, a target month may be unknown. In these cases, the anticipated calendar year quarter (i.e. Q1 = January, February, or March, Q2 = April, May, or June, etc.) may be selected. Phases that began prior to January 2016 can be left blank. If a phase that began prior to 2016 is converted from AC to ACC (and thus moved into the current FFY), select the month/year of the conversion.

#### Segment

Select the segment to which the schedule information applies. In most cases, "Entire Project" will be selected, however for complex projects being implemented over multiple years or in segments or stages, select the appropriate segment. Click on the [ADD NEW SCHEDULE] link to add a schedule for each individual segment. For more information on creating segments, see the eTIP User Guide or the "Completing the TIP Programming Form" webinar. To delete a schedule section, click on the "X" to the right of the Segment field.

# **Project Questions**

The Project Questions section is used to capture targeted information about projects, such as relationships to other TIP projects, inclusion of ITS or freight components, relationship to pavement management systems, and the project's potential to influence federally required performance targets. At least one question must be selected for every project.

#### Figure 24. Project Questions

Proje	ect Questions					
	Project is split from another project. The TIP ID is					
	Project is a combination of multiple projects. The TIP ID(s)					
	Project is related to another project(s). The TIP ID(s)					
	Includes an ITS component? Estimated total cost					
	Includes elements to specifically address the movement of freight? Estimated total cost					
	Project is identified in a Pavement Management System. The adopting agency and date of adoption of that plan are					
	Project may influence HIGHWAY SAFETY performance targets					
	Project may influence TRANSIT SAFETY performance targets					
	Project may influence TRANSIT ASSET CONDITION performance targets					
	Project may influence PAVEMENT CONDITION performance targets					
	Project may influence BRIDGE CONDITION performance targets					
	Project may influence TRAVEL RELIABILITY/CONGESTION performance targets					
	Project may influence NON-SOV TRAVEL performance targets					
	Project may influence EMISSIONS REDUCTION performance targets					
	None of the questions above apply to this project					

#### Relationship to other TIP Projects

The first three questions document a project's relationship to other TIP projects.

- Project is split from another project. Select if the project was previously programmed under a different TIP ID and enter that TIP ID in the space provided.
- Project is a combination of multiple projects. Select if multiple projects were combined to create the current project and enter the TIP IDs of those projects in the space provided.
- Project is related to another project(s). Select if the project is part of a group of projects
  that were programmed separately but may be implemented together and enter the TIP
  ID(s) of the related project(s) in the space provided.

## Included elements (ITS and Freight)

The next two questions are meant to capture the region's investments in certain project types or elements that are not always evident in the overall description or programming.

- Includes an ITS component? Select if the project includes Intelligent Transportation System (ITS) components and enter the estimated cost of those components in the space provided.
- Includes elements to specifically address the movement of freight? Select if the project
  includes elements, such as larger turn radii, that are specifically intended to improve the
  movement of freight and enter the estimated cost of those elements in the space
  provided.

## Pavement Management Systems

The next question is intended to provide a sense of how pavement management systems in use throughout the region may influence project selection and programming.

 Project is identified in a Pavement Management System. Select if the project location and scope of work were identified in any Pavement Management System, and indicate the agency that adopted that system and the date of adoption in the space provided.

#### Performance Targets

The final eight questions are used to gauge the potential for the TIP to address federally required performance targets. Each question relates to a target area described below along with guidance for determining the potential for a project to influence each. The performance targets are not mutually exclusive and many projects included in the TIP will have the potential to influence multiple targets.

#### Highway Safety

Highway safety performance will be measured by the number and rates of motorized and non-motorized fatalities or serious injuries. Many projects in the TIP contain scope elements that can influence these measures:

- If the overall Project Type is any of the following, select this checkbox: Safe Routes to Schools or Safety
- If the project is funded in whole or in part with any of the following, select this
  checkbox: Federal Highway Safety Improvement Program (HSIP), Rail-Hwy Safety, or
  Safe Routes to School, or State Grade Xing Protection or ICC RR Safety
- If the project contains any of the below Work Types, select this checkbox:

```
[A-BAR] – SAFETY – BARRIERS
[A-BEA] – SAFETY – BEACONS
[A-FNC] – SAFETY – FENCING
[A-GRD] – SAFETY – GAURDRAILS
[A-LTS] – SAFETY – LIGHTING
[A-MED] – SAFETY – MEDIAN PROJECTS
[A-OPT] – SAFETY – OPTICOM EQUIPMENT
```

[A-OTH] – SAFETY – OTHER [A-PMRK] – SAFETY – PAVEMENT MARKING [A-RRXING] – SAFETY – RAILROAD CROSSING IMPROVEMENT [A-SHDR] – SAFETY – SHOULDER IMPROVEMENTS [A-SKIDT] – SAFETY – SKID TREATMENTS [E-SRTS] – SAFE ROUTES TO SCHOOL [H-ALIGN] – HIGHWAY/ROAD – VERTICAL/HORIZONTAL ALIGNMENT (E.G. CLEARANCE) [H-RRGS] – HIGHWAY/ROAD – RAILROAD GRADE SEPARATION

Projects with other work types, such as intersection improvements, highway or bridge reconstruction, maintenance, or expansion, bicycle and pedestrian projects, traffic signals, etc. may also influence safety targets based on specific design details that may add or provide improved vehicle, bicycle, or pedestrian safety. Until supplemental questions are developed, programmers should use their judgement, based on availability and understanding of specific project details, when determining if a project has the potential to reduce traffic fatalities and serious injuries.

#### Transit Safety

Transit safety performance targets remain under development, but will be related to fatalities and injuries, safety events (collisions, fire, derailment, security, etc.), and system reliability (breakdowns). Any transit project type with the following work types may influence the targets:

- [C-MAINT] Rail Stations Maintain, Rehabilitate, Replace
- [C-MOD] Rail Stations Modernize, Replace
- [F-SPTV] Facility Signal Priority for Transit
- [J-REP] Rolling Stock Replace Existing Vehicles
- [R-IMP] Rail Line Improve Line
- [R-MAINT] Rail Line Maintain, Rehabilitate, Replace
- [J-REHAB] Rolling Stock Rehabilitate Vehicles
- [J-REP] Rolling Stock Replace Existing Vehicles
- [O-OPS] Operations Transit Operating Assistance
- [U-CPSIMP] CPS Improvement
- [U-CPSMAINT] CPS Maintenance
- [X-MOD] Transfer Facility Modernize, Repair

While the majority of influence will be from transit projects, highway projects that improve bus safety or those that are at or near rail crossings may also address transit safety targets.

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Project Types	Work Types
Intersection/Interchange	[H-INTIMP] Highway/Road – Intersection
Improvements	Improvement
Rail-Highway Grade Separation	[H-RRGS] Highway/Road – Railroad Grade
Intelligent Transportation	Separation
Systems	[A-BEA] Safety – Beacons
Signal Systems	[A-LTS] Safety – Lighting
Road Operations	[A-OTH] Safety – Other
Safety	[A-RRXING] Safety – Railroad Crossing
	Improvements
	[S-MOD] Signals - Modernization

#### **Transit Asset Condition**

Transit condition performance measures are related to both the useful life benchmark (ULB) for vehicles (bus and rail) and miles of rail with track performance restrictions. Therefore, projects of the following types that include the listed work types should indicate they can influence transit asset condition targets by selecting the checkbox as outlined below.

Project Types	Work Types
Transit Vehicles (Bus/Rail)	[J-EXP] Rolling Stock – Expand Fleet
Other Transit	[J-REP] Rolling Stock - Replace Existing Vehicles
Transit Line/Route Expansion	[R-EXP] Rail Line – Extend Line
Systems Improvements	[R-IMP] Rail Line - Improve Line
Guideway Improvements	[R-MAINT] Rail Line – Maintain, Rehabilitate, Replace
Other Transit	[R-NEW] Rail Line – New Line

#### **Pavement Condition**

Pavement condition performance measures apply to the interstate system and the non-interstate NHS. Road maintenance, modernization, or expansion projects on either of these systems that include any of the following work types should indicate they can influence pavement condition targets by selecting the checkbox:

- [B-OVR] Bridge Deck Overlay
- [B-PCHF] Bridge Deck Full Depth Patching
- [B-PCHP] Bridge Deck Partial Depth Patching
- [H-AL] Highway/Road Add Lanes
- [H-EXT] Highway/Road Extend Road
- [H-IRS] Highway/Road Intermittent Resurfacing
- [H-PATCH] Highway/Road Pavement Patching



- [H-RCINKND] Highway/Road Reconstruct In Kind
- [H-RCNST] Highway/Road Reconst with Change in Use or Width of Lane
- [H-RS] Highway/Road Resurface (With No Lane Widening)
- [H-WRS] Highway/Road Widen Lanes and Resurface

#### **Bridge Condition**

Bridge condition performance measures apply to the percentage of bridge deck area of NHS bridges that are in "poor" condition. Projects on the NHS system that include any of the following work types may affect the bridge deck condition. Programmers should use their judgement, based on availability and understanding of specific project details, when determining if a project has the potential to improve bridge deck condition.

- [B-DECK] Bridge Deck Repair/Rehab
- [B-HYD] Bridge Deck Hydro-Demolition
- [B-NEW] Bridge/Structure New
- [B-OVR] Bridge Deck Overlay
- [B-PCHF] Bridge Deck Full Depth Patching
- [B-PCHP] Bridge Deck Partial Depth Patching
- [B-RECNFG] Bridge/Structure Reconst/Rehab Chng in Lane Use/Widths
- [B-Repair] Bridge/Structure Reconst/Rehab No Chng in # Wdth of Lane
- [B-REPLACE] Bridge/Structure Replace

#### Travel Reliability/Congestion

Travel reliability and congestion measures include Travel time reliability and peak hour excessive on the interstate system and the non-interstate NHS. Many projects can influence these measures:

- If the overall Project Type is any of the following, select this checkbox: Intelligent Transportation Systems, Signal Systems, Road Operations
- If the project includes any of these work types and is located on the interstate system and the non-interstate NHS, select this checkbox:

[E-MODE] Travel Demand Management

[H-HOT3] Highway/Road - HOT 3-plus Lanes

[H-HOV] Highway/Road - HOV Lanes

[H-INFO] Highway/Road – Directional/Informational Signs

[H-RRGS] Highway/Road - Railroad Grade Separation

[S-MOD] Signals - Modernization

[S-TIM] Signals – Interconnects and Timing

Projects with other work types, such as highway expansion, corridor improvements, and improvements to transit transfer facilities may also influence travel reliability/congestion targets based on specific design details or project locations. Until supplemental questions are developed, programmers should use their judgement, based on availability and

understanding of specific project details, when determining if a project has the potential to influence targets.

#### Non-SOV Travel

The Non-SOV travel measure represents the share of non-SOV trips on the NHS. Data is derived from the Census American Community Survey (ACS) data. This measure is largely related to personal choice, not completion of projects, but many projects could influence commuter choices and contribute to shifting SOV work trips to non-SOV or alternate modes.

Based on programmers' judgement and understanding of specific project details, selecting this checkbox may be appropriate for projects including any of these work types:

- [E-BIKEIMP] Improve Bicycle Facility
- [E-BIKENEW] New Bicycle Facility
- [E-PEDIMP] Improve Pedestrian Facility
- [E-PEDNEW] New Pedestrian Facility
- [E-SharedModern] Improve Shared Path Facility
- [E-SharedNew] New Shared Use Path
- [R-EXP] Rail Line Extend Line
- [R-IMP] Rail Line Improve Line
- [R-NEW] Rail Line New Line
- [T-EXP] Bus Routes Major Expansion
- [T-IMP] Bus Routes Major Service Improvement
- [T-NEWSVC] Bus Routes New Service

# **Change Reason**

For the DMMC STP Call for Projects, each application will be considered a "New Project".

#### Narrative

Additional information to clarify responses on the form can be included in the change reason narrative field. If "Not Available/Other" was selected as project sponsor, if there are multiple funding partners, or if any funding was authorized prior to FFY 2015, this information must be included here. No information provided elsewhere on the form, or in any documents attached to the application should be repeated here.

# Saving and Submitting Project Applications

At any time while completing the TIP Programming information portion of the application, users may click the "Save" button. In addition to saving entered data, doing so will also check for errors or omissions on the form. In order to map the project and attach required documents, the project application must be saved at least one.

After the application form has been completed, the project has been mapped, and all required documents attached, click on "Save as Final" to notify DMMC and CMAP staff that the application is complete and ready for review. IMPORTANT! Once you have clicked "Save as

Final", you will no longer be able to make any changes to the application unless it is released back to you by DMMC or CMAP staff.

DMMC staff will review applications for completeness. If changes are needed, staff will "unsubmit" the application so that applicants may make additional changes prior to the application deadline. Applicants should work with DMMC staff to resolve any errors or omissions and to establish a due date for making corrections to applications that will give them adequate time to review changes and submit the final application prior to the application deadline. Applicants will receive an email notification from "eTIPHelp@ecointeractive.com" notifying them of the reviewers' actions.

# **Mapping Projects**

If the project can be represented on a map, the Map tab (shown in Figure 26) automatically presents the general project location based on the project location entered in the Project Information section. If the location information is not entered in a format that Google Maps can use to zoom to a location, the "Enter an address" search field can be used to zoom in to a specific address, intersection, or general area.

Figure 25. The mapping application allows users to simply select the lines and nodes associated with the project.

To map a project, zoom in to the exact location until the blue segment lines and nodes are displayed and click on appropriate line segments and/or nodes with which the project is associated. Select "Bikeways" layer for off-road bicycle projects and the "Roads" layer for all other projects. The following are important attributes of the mapping application:

• In the "Bikeways" layer, purple lines represent off-road bicycle paths.



- In the "Roads" layer, dark blue lines represent road segments, dark blue squares represent intersections.
- In the "Roads" layer, light blue triangles represent bridges or structures and are often not
  located precisely on top of the water or other feature crossed. When in doubt about a
  bridge location, it can be verified using IDOT's <a href="Bridge Information System Search page">Bridge Information System Search page</a>.
   Since the IDOT bridge file is the same for both eTIP and the IDOT page, the bridges will
  be located in the same place.
- In the "Roads" layer, light blue circles represent transit facilities including public rail/highway and rail/pedestrian at grade and rail-over crossings, CTA bus garages and rail stations, and Metra stations. Facilities that are within 100 feet of an existing roadway node (square) are not included. Users should select the roadway node in these cases.

Linear (from/to) projects should be marked as segments. If additional specific work is also being done at a structure or intersection along the segment, those point features should also be selected. For projects that consist of multiple point features, with no work on the segments in between, each point should be selected, rather than the segment.

Segments and points will turn red when selected. When finished mapping, users should click the "Save Location" button. To clear the current map, and any saved changes, click the "Reset" button.

IMPORTANT! It is very important to zoom in to ensure all appropriate segments, nodes, and/or features are selected. The segments align with IDOT's IRIS files and CMAP's model network. Only selected segments will be used to develop scores for location-based criteria. For projects that cannot be mapped in eTIP (such as new/extended roads or transit lines), CMAP may request shapefiles and additional information, if available, from the project applicant in order to represent the project in the region's network.

Some additional map features include:

#### Select Multiple Segments

Click-and-drag to select road segments within a rectangle.

- Allows users to select many road segments in a single area at one time
- o CAUTION: Only segments completely contained within the box will be selected.
- If segments that are not included within the project are selected, clicking on them individually will unselect them.

#### • Create New Node

Click on a road to create a new node at that location.

- Allows users to add new nodes where needed
- CAUTION: New nodes should be used sparingly, as the underlying segment data will not be automatically split at the new node.

#### • Measure a Distance



Click on the map to start the measure, then each subsequent click provides the distance, in feet (under 1 mile) or miles, from the previous location clicked. The total distance is displayed in the top left corner of the map. For distances displayed in feet, users can determine the length in miles by dividing the number of feet displayed by 5,280. The user can remove previous segments by clicking "Remove Previous Segment" or can clear the measurement by clicking "Clear Distance Measurement".

 Allows users to measure project lengths to provide accurate location information on the TIP Programming tab.

#### • Adjust Segment Start/End

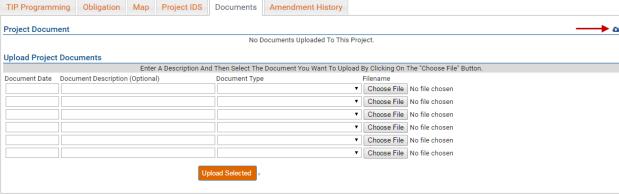
In some cases, the segments on the map may not start/end at a project limit. The Adjust Segment Start/End link can be used to decrease the length of a selected segment. Click the segment to that needs to be modified (the segment to modify must already be selected on the map before clicking "Adjust Segment Start/End") then click and drag the marker to adjust the length of the segment (the markers must be placed on an existing roadway) to match the project limit. Note that segments can only be shortened, not lengthened.

# **Uploading Project Documents**

At the top of the project creation page, users may click the "Upload Project Documents" link to upload documents associated with the project upon creation. Once a project is created, click the "Documents" tab to begin the document upload process.

To upload a new document, click the cloud icon on the far right side of the page to unhide/hide the "Upload Project Documents" options, as illustrated in Figure 27. From there, enter information related to the document including the date of the document and a description. Then select the document type from the drop-down list and click "Choose File". Figure 28 lists the CFP document types. Users may upload up to six documents at a time, however for best results, particularly with larger files (> 1MB), upload documents one at a time. When all documents have been chosen, click "Upload Selected". It is recommended that files that are larger than 5MB be broken into multiple attachments. Users should add a sequencing number to the Document Description for split files.

Figure 26. Click the cloud icon to upload documents associated with the project.



*Note:* The eTIP system needs the project descriptions to be unique so it can differentiate between them, otherwise the upload may be unsuccessful. If two or more documents are needed, please rename each of them, and the system will save the documents types without an issue.

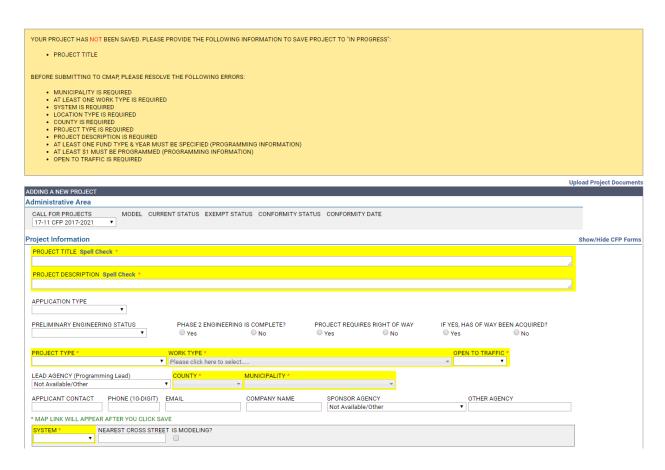
# **Data Validation and Error Messages**

A series of data validations occur when the user clicks the "Save", "Save as Final" or "Submit" button, including checks for complete and logical data.

# **Data Validation Errors**

If any data validations fail, error messages will be displayed. Project applications can be saved but cannot be submitted until all error messages are addressed. Error messages will be displayed in a beige box at the top of the application form and affected fields will be highlighted in yellow.

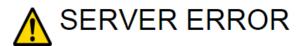
Figure 27. Data validation in eTIP results in alerts and highlighted fields in the programming form, indicating the exact errors to be addressed.



# **Server Errors**

From time to time, server errors occur. Generally, these errors are not caused by user actions.

Figure 28. An example of a server error message, indicating an error in the database. Contact eTIP Help.



AN ERROR HAS OCCURRED ON THE CMAP WEB SERVER

**ERROR REFERENCE # 1630953802** 

Please contact <a href="mailto:etiphelp@ecointeractive.com">etiphelp@ecointeractive.com</a> and reference this number if you continue to receive this error.

Resource cannot be found: There is an error in the web address (URL) or the web page does not exist or is not available. Check your browser's address bar and correct any obvious mistakes. Refresh the web page. Notify CMAP staff if the error continues.

Figure 29. A different server error, indicating the page does not exist. Contact CMAP staff.



If you receive a server error, please report it to CMAP as soon as possible. Include a screen shot of the error, and a description of what action you were attempting when you received the error.

# **Additional Resources**

More information about the DMMC **Call for Projects** is available here: <a href="https://dmmc-cog.org/surface-transportation-program/">https://dmmc-cog.org/surface-transportation-program/</a>

#### **DMMC Staff Contact**

Daniel Knickelbein Transportation Project Manager <u>dknickelbein@dmmc-cog.org</u> 630-576-9137

