



2022 - 2027 Transportation Improvement Program Safety Project Application

Instructions

CDTC's electronic application is powered by Jotform. Save your work as you complete the form, an account is not needed (click "skip" at the bottom of the pop up box). Do not clear the cookies on your computer without saving as your work could be lost. **Jotform is compatible with web browsers such as Google Chrome, Apple Safari, Microsoft Edge and Mozilla.**

Applicants should enter project information in response to all fields as they appear. Required fields are indicated with an asterisk (*). The form will indicate data entry errors using red warnings and will not allow additional data to be entered until errors are corrected.

Submit one (1) application per safety project. Use this application for site specific or systemic safety projects that reduce crashes at high crash locations, reduce the number of fatal or serious injury crashes or reduce the risk of crashes ([the systemic approach](#)). The need for a safety project may be demonstrated through recent crash history, a safety assessment/technical analysis or a road safety audit. All public roads are eligible for Highway Safety Improvement Program funds.

Projects that are consistent with the New York State [Strategic Highway Safety Plan](#), [Pedestrian Safety Action Plan](#), CDTC's [Local Road Safety Action Plan](#) or utilize [FHWA's Proven Safety Countermeasures](#) are highly encouraged.

Consultants may prepare all or part of project applications on behalf of municipalities but they may not participate in a competitive solicitation for consultant services for the same project, unless the consultant has been procured through a competitive process that included subsequent phases of the project, such as design, construction support, and construction inspection of the project. For more information on Consultant Procurement see [Chapter 6 of the NYSDOT Local Projects Manual](#).

Application Sections:

Part A: New Visions 2050 and Certifications

Part B: Sponsor Information

Part C: Project Data

Part D: Cost Estimate and Proposed Funding

Part E: Sponsor Priority and Project Timing

Part F: Application Submission

Applications are to be submitted to CDTC by November 5, 2021 at 5 p.m.

Questions?

Sponsors may contact Sandy Misiewicz, CDTC Executive Director at 518-458-2161 or by emailing tip@cdtcmpo.org at any time for assistance. If requested, CDTC staff will review your application before final submission to offer suggestions for improvement.

Part A: New Visions 2050 and Certifications

New Visions 2050

Proposed projects must be consistent with the principles and recommendations in CDTC's New Visions 2050 regional transportation plan. Explore how your project supports implementation of New Visions 2050: www.cdtcmpo.org/nv2050sum.

Which New Visions 2050 planning and investment principles will the project implement? Provide the page number where the principle is described. *

Note: Page 10 containing the list of planning and investments principles will not count.

Project Eligibility

All projects must be eligible for a federal aid program under the Fixing America's Surface Transportation (FAST) Act including the National Highway Performance Program (NHPP), the Surface Transportation Block Grant Program (STBG) and the Highway Safety Improvement Program (HSIP). CDTC's 2022 TIP Update webpage at www.cdtcmpo.org/2022tip contains details on federal aid programs, eligibility requirements and transportation data.

Certification: *

- I certify that to the best of my knowledge, the proposed project is federal aid eligible under the FAST Act. Ineligible projects will be removed from consideration.

Project Evaluation

All projects will be evaluated by the CDTC staff. 50% of the score is derived from a calculated Benefit/Cost ratio and 50% is derived from a Merit Category Score. Details regarding the evaluation methodology are available on the CDTC website at www.cdtcmpo.org/2022tip. CDTC's Planning Committee and Policy Board are ultimately responsible for project prioritization.

Certification: *

- I understand and agree that my project will be evaluated by CDTC staff using CDTC's TIP project evaluation procedures.

Project Administration

State sponsored projects are expected to follow guidelines established by NYSDOT to implement a federal aid project. Local project sponsors should review the [NYSDOT Local Projects Manual](#) for details regarding the administration and management of a locally sponsored federal aid project

Certification *

- Project administration and management will be undertaken in accordance with NYSDOT Procedures (state sponsored projects) or the NYSDOT Local Projects Manual (locally sponsored projects).

Project Delivery

All sponsors are expected to complete the project as described in this proposal, if funded. CDTC understands the design process may uncover unexpected challenges that prevent the project from being completed as described. Significant project changes, as described in CDTC's [Guidelines for TIP Amendments](#), may be subject to Planning Committee and, in some cases, Policy Board approval. CDTC staff will track the progress of funded projects to encourage on time project delivery.

Certification *

- I certify that the project will be completed as described in this proposal. A significant change to the project limits, project type or project scope will require CDTC Planning Committee approval.

Part B: Sponsor Information

Project Sponsor (Governmental body submitting the Proposal) *

Insert the project sponsor name.

Is this a joint proposal with another municipality/agency? *

Yes

No

Joint Project Sponsor(s)

Insert one or more joint sponsor name

Contact Person

Provide the contact information for the person with direct knowledge of the project.

Name *

Title *

Affiliation *

Address *

Street Address

Street Address Line 2

State

City

Zip Code

Phone Number *

Enter a valid phone number.

Email *

Enter a valid email address

Part C: Project Data

Instructions:

Submit one (1) application per safety project. Use this application for site specific or systemic safety projects that reduce crashes at high crash locations, reduce the number of fatal or serious injury crashes or reduce the risk of crashes ([the systemic approach](#)). The need for a safety project may be demonstrated through recent crash history, a safety assessment/technical analysis or a road safety audit. All public roads are eligible for Highway Safety Improvement Program funds.

Projects that are consistent with the New York State [Strategic Highway Safety Plan](#), [Pedestrian Safety Action Plan](#), CDTC's [Local Road Safety Action Plan](#) or utilize [FHWA's Proven Safety Countermeasures](#) are highly encouraged.

Sponsors may indicate if a group of applications are to be bundled and evaluated as a single project. For questions related to complex projects or to request crash data, contact CDTC.

Project Name *

Will this application be bundled with another application(s) to create a single project? *

Yes

No

Provide the project name(s) of applications to be bundled.

Note: separate road applications must be submitted for bundled projects.

Is this a systemic safety project? *

Yes

No

Systemic Project Location(s)

Location(s) - County *

Insert more than one county name if project crosses a county boundary.

Location(s) - City, Town, Village *

Insert more than one City/Town/Village name if project crosses boundaries.

Primary Facility Owner(s) *

Primary Facility Maintenance Responsibility(/ies) *

Primary Maintenance Jurisdiction

Site Specific Project Location

Location(s) - County *

Insert more than one county name if road crosses a county boundary.

Location(s) - City, Town, Village *

Insert more than one City/Town/Village name if road crosses boundaries.

Describe the project location. For linear safety projects, provide project limits in terms of nearest intersection, reference marker (state roads only) or nearest address. *

Primary Facility Owner(s) *

Primary Owner Name

Primary Facility Maintenance Responsibility(/ies) *

Primary Maintenance Jurisdiction

Project Purpose and Description

What is the purpose and need for the project? *

Word Limit:0/200

How was the project need identified? *

i.e. Crash history, a state or local safety plan, road safety audit, etc. Word Limit:0/200

Describe the scope of work including proposed safety countermeasures. *

Word Limit:0/200

Provide the 2019-2024 TIP number if related to, adding to, or altering an existing project (include projects in the Post '24 column)

Look up TIP numbers at: www.cdtcmpo.org/2019tipprojects

Project Information

Refer to the [NYSDOT Traffic Data Viewer](#) for the next two questions. Only provide count data that is more

recent than in the Traffic Data Viewer or for roads not included in the Traffic Data Viewer, if available.

Is a more recent AADT count(s) available than in the NYSDOT Traffic Data Viewer? If so, provide the AADT count(s), count year and source.

Is a more recent % Heavy Vehicles count(s) available than in the NYSDOT Traffic Data Viewer? If so, provide the % Heavy Vehicles count(s), count year and source.

Does the project require facility widening? *

Yes

No

Explain the need for the widening. *

Word Limit:0/100

Are Right-of-Way (ROW) acquisitions needed? *

Yes

No

Explain the need for the ROW acquisition. *

Word Limit:0/100

Will capacity for motor vehicles be added with the project? *

Yes

No

Explain the need for the additional motor vehicle capacity. *

Word Limit:0/100

Is there an operational problem in the project area? *

Yes

No

Describe the operational problem and how the project intends to address the problem. *

Word Limit:0/100

Additional Project Information

Provide any additional project information not covered in other sections of the application. Insert N/A for any short answer questions that do not apply to the project.

Is the project implementing a recommendation from a state, regional or local planning study? *

Yes

No

Name the plan(s) and provide the page number(s) for reference. *

i.e. Capital District Trails Plan, CDTC Linkage Program plans, community comprehensive plans, CDTC Local Road Safety Action Plan, etc. Word Limit:
50

0
/

Will the project be utilizing mitigation fees related to a GEIS? *

Yes

No

Name the GEIS and describe how mitigation fees will support the project. *

Is the facility identified in a county, state or other hazard, security, emergency management or resiliency plan? *

Yes

No

Name the plan(s) and provide the page number(s) for reference. *

Is the project implementing an ADA Transition Plan? *

Yes

No

Name the plan(s) and provide the page number(s) for reference *

Word Limit:0/30

What new access management features, if any, are proposed to be implemented with the project? (Select all that apply) *

- None
- Shared driveways
- Raised medians
- Service roads
- Dedicated turning lanes
- Driveway reduction
- Cross-easement access
- Other

Describe what other new access management features are proposed to be implemented with the project? *

Review the Smart Growth Public Infrastructure Act criteria at:
www.cdtcmppo.org/images/tip/2022tipupdate/Smart_growth_act_criteria.pdf

Describe how the project supports the New York State Smart Growth Public Infrastructure Act criteria. Some of these criteria are captured in NYSDOT's GreenLites Program *

Word Limit:0/100

Describe how the project supports economic development. Consider access to childcare,

economic justice, workforce development, life sciences cluster access, veteran participation in the workforce and other topics related to Regional Economic Development Council priorities. *

Word Limit:0/100

Will the project have a known impact on an environmentally sensitive feature? *

- Yes
- No

Describe the impact and any proposed mitigation, if known. *

Word Limit:0/100

Does the project support freight and goods movement? *

- Yes
- No

Describe how the project supports freight and goods movement. *

Word Limit:0/100

What new pedestrian infrastructure, not already mentioned, are proposed to be implemented with the project? (Select all that apply) *

- None
- Sidewalk

- Crosswalk
- Curb extension (bump-outs, bulb-outs)
- Rectangular rapid flashing beacon (RRFB)
- Pedestrian countdown timer
- Accessible push button
- Pedestrian warning sign
- Pedestrian crossing island
- Pedestrian hybrid beacon
- Leading pedestrian interval
- Other

Describe what other new pedestrian infrastructure is proposed to be implemented with the project. *

Word Limit:0/50

What new bicycle infrastructure, not already mentioned, are proposed to be implemented with the project, excluding sharrows? (Select all that apply) *

- None
- Bike lanes
- Contra-flow bike lane
- Cycle tracks
- Protected bike lanes (bollards, curbing, or raised pavement)
- Buffered bike lanes
- Bike boxes
- Intersection crossing markings
- Two-stage turn boxes
- Protected bike lane at intersections
- Through bike lane
- Bicycle signals
- Other

Describe what other new bicycle infrastructure is proposed to be implemented with the project. *

Word Limit:0/50

What new transit components, not already mentioned, are proposed to be implemented with the project? (Select all that apply) *

- None
- Transit shelters, including concrete pad and access to board transit
- Concrete transit pull-offs (bus bays) adjacent to the roadway
- Curb extension at bus stops
- Transit signal priority
- Park and ride lots of at least 25 spaces
- Accessibility above ADA guidelines
- Land set aside for future transit components
- Queue jumper
- Bus-only travel lane
- Innovative pedestrian crossings
- Other

Describe what other new transit components are proposed to be implemented with the project. *

Word Limit:0/50

What new complete streets features, not already mentioned, are proposed to be implemented with the project? (Select all that apply) *

- None
- Speed reduction
- Shoulder improvements
- Improved freight access
- Green infrastructure
- On-site stormwater management
- Innovative curbside management
- Other

Describe what other new complete streets features are proposed to be implemented with the project. *

Word Limit:0/50

What travel demand management strategies are supported by the project? (Select all that apply) *

- None
- Carpooling
- Vanpooling
- Car share
- Bike share
- Commuter buses
- Park and ride lots
- Alternative parking strategies
- Other

Describe what other travel demand management strategies are being proposed to be implemented with the project. *

Word Limit:0/50

Will electric vehicle charging infrastructure be installed with the project? *

- Yes
- No

If known, how many chargers? *

Will the project benefit public health? *

-



Describe how the project will benefit public health. *

Word Limit:0/50

What new safety features, not already mentioned, are proposed in the project to proactively reduce the risk of fatal or serious injury crashes? (Select all that apply) *

- None
- Signal timing and phasing adjustment
- Traffic signal back plates with retro reflective borders
- Intersection warning signs
- No turn on red signs (standard or electric)
- Parking restrictions at intersections
- Intersection or roadway lighting
- Flashing beacons at stop controlled intersections
- Sight line clearance
- Retro-reflective signs and shoulder striping
- Curve warning signs
- High friction surface treatments
- Centerline audible roadway delineators (CARDS)
- Shoulder audible roadway delineators (SHARDS)
- Safety edge
- Traffic calming
- Speed feedback signs
- Other

Describe what other new safety features are proposed to be implemented with the project. *

Word Limit:0/50

What new advanced technologies to improve transportation system operations are proposed to be implemented with the project? (Select all that apply) *

- None
- Corridor signalization improvements
- TMC operations
- Traffic signal coordination
- ITS/CCTV signage or infrastructure
- Automated data collection
- Automated traffic enforcement
- LED lighting
- Automated Vehicles
- Connected Vehicles
- Real-time travel information communication
- Self-organizing traffic lights
- Dynamic speed limit signs
- Other

Describe what other new advanced technologies are proposed to be implemented with the project. *

Word Limit:0/50

Are any innovative features, new to the region or state, proposed to be implemented with the project? *

- Yes
- No

Describe the new innovative features proposed to be implemented with the project. *

Word Limit:0/50

Anything else CDTC should know about the proposed project? *

Word Limit:0/100

Part D: Cost Estimate and Proposed Funding

Accurate cost estimates are an important part of the project evaluation process. To assist sponsors and to provide consistency in the development of project costs, CDTC staff has developed unit cost estimates for the following project types based on recent federal-aid construction experience:

- Pavement Reconstruction
- Pavement Preservation
- Sidewalks and Shared Use Trails
- Element Specific Bridge Repair
- Bridge Replacements

CDTC's unit costs should serve as a point of reference for the above project types to ensure the proposed project cost is in line with federal aid experience. CDTC staff will be using its unit costs to confirm sponsor costs, when available. If sponsor costs are substantially different than CDTC's unit costs, the sponsor will need to justify the difference. Details regarding CDTC's unit costs are available on the CDTC website at www.cdtdcmo.org/2022tip.

Estimated Project Cost

Provide all cost estimates in 2021 \$'s. Use commas and round numbers for each entry, no decimals. The total project cost is automatically calculated and should match the total project cost in the funding proposal. All costs will be inflated by CDTC staff based on the year of project construction.

Construction Cost (\$) *

Inspection Cost/Contingency (\$) = 10% of Construction Cost *

Design Cost (\$) = 18% of Construction Cost *

Right-of-Way (ROW) Acquisition Cost, if applicable (\$)

ROW Incidentals, if applicable (\$) = \$20,000 minimum

ROW Incidentals is a phase normally required before the purchase of ROW (Acquisition). If you included ROW Acquisition ("R" in the TIP) as a cost above, you should include ROW Incidentals ("I" in the TIP), for a lesser amount.

Source of cost estimate: *

Funding Proposal

The maximum federal fund request is 80% of the Total Project Cost. The minimum local match requirement is 20% of the Total Project Cost. All sources of funding are to be noted below. Use commas and round numbers for each entry, no decimals.

Federal Funds Requested = 80% of Total Project Cost, maximum *

Required Local Match = 20% of Total Project Cost, minimum *

Additional Local Funds or Funds from Other Sources Beyond the Required Match

List the source(s) of all local matching funds. *

i.e. State or local general funds, bonds, impact or mitigation fees, user fees, public/private partnerships, intermunicipal financial partnering, etc. Word Limit: 0/100

Part E: Sponsor Priority and Project Timing

Sponsor Priority

Indicate the priority of the proposed project to the sponsor when multiple project applications are submitted. If only one project is proposed by a sponsor, enter 1

What is the priority of this project with respect to other projects proposed by the sponsor? 1 is highest priority. *

Numbers only. A unique priority must be provided by sponsors with multiple project proposals.

Preferred Design and Construction Years

Note: The federal fiscal year begins on October 1st and ends on September 30th.

What year do you prefer to start preliminary design? Select one. (The preferred year to start preliminary design is not guaranteed.) *

1st year (2022-2023) of 2022-2027 TIP

2nd year (2023-2024) of 2022-2027 TIP

3rd year (2024-2025) of 2022-2027 TIP

What is your preferred construction year? Select one. (The preferred year for construction is not

guaranteed.) *

1st year (2022-2023) of 2022-2027 TIP

2nd year (2023-2024) of 2022-2027 TIP

3rd year (2024-2025) of 2022-2027 TIP

4th year (2025-2026) of 2022-2027 TIP (for beyond preservation projects only)

5th year (2026-2027) of 2022-2027 TIP (for beyond preservation projects only)

Part F: Application Submission

Submit