2022 - 2027 Transportation Improvement Program Bridge 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 bridge (a bridge is defined as having a span length equal to or greater than 20 feet). Use this application to maintain, repair or rehabilitate a bridge, replace an existing bridge, or construct a new bridge for motor vehicles, bicycles, or pedestrians. Propose work beyond the limits of the bridge in a separate application. Sponsors may indicate if a group of applications are to be bundled and evaluated as a single project. For questions related to complex projects, contact CDTC.

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 email 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

City

State

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 bridge (a bridge is defined as having a span length equal to or greater than 20 feet). Use this application to maintain, repair or rehabilitate a bridge, replace an existing bridge, or construct a new bridge for motor vehicles, bicycles, or pedestrians. Propose work beyond the limits of the bridge in a separate application. Sponsors may indicate if a group of applications are to be bundled and evaluated as a single project. For questions related to complex projects, contact CDTC.

Project Name *

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

- ○ Yes
- ○ No

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

Provide the BIN # of the bridge. *

If BIN # is unknown, contact CDTC.

Primary bridge owner(s) *

Primary Owner Name

Primary bridge maintenance responsibility(ies) *

Primary Maintenance Jurisdiction

Is this bridge part of the National Highway System? *

- ◯ Yes
- ◯ No
- ◯ Not Sure

Refer to the NYSDOT Traffic Data Viewer for the next two questions. Only provide count data for the road the bridge carries that is more recent than in the Traffic Data Viewer. Provide any available count data for the road the bridge carries not included in the Traffic Data Viewer.

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.

Project Purpose and Description

What is the purpose and need for the project? *

Word Limit:0/100

How was the project need identified? *

i.e. NYSDOT BDIS, 2021 CDTC Local Bridge Study, Other Planning or Engineering Study. Word Limit:0/200

Describe the scope of work. *

Word Limit:0/200

For bridge rehabilitation or repair projects, list all bridge elements being repaired or replaced by element ID #, element name, and the quantities as they are listed in the inspection report(s).

i.e., "12 - Reinforced Concrete Deck, 4000 square feet will be replaced".

Is this a state owned bridge? *

Yes

No

If the Local Bridge proposed treatment is different than what is in the 2021 CDTC Local Bridge Study, explain the difference and provide the necessary engineering evaluation below.

Word Limit:0/100

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

Was this project submitted for funding in the 2021 Bridge NY program? *

Yes

No

Proposed Bridge Data

Will the bridge be widened? *

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 a safety problem in the project area, based on crash history? *

Yes

No

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

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

Bridge Cross Section and Characteristics

Bridge Cross Section for Motor Vehicles

What are the EXISTING cross section characteristics of the bridge for motor vehicles? Provide the dimensions or number of each item in the table below. Insert N/A if not applicable. Combine values for both directions of travel unless otherwise noted.

	Existing Conditions
Total pavement width from curb-to-curb or pavement edge to pavement edge (feet)	
Through travel lanes (#)	
Median type (i.e. divided highway, flush median - two way left turn, raised median, etc.)	
Traffic signals (#)	
Roundabouts (#)	
Shoulder type (i.e. paved, unpaved or no shoulder)	
Paved shoulder width (feet)	
Total curb length (feet)	

Will any of the existing cross section characteristics for motor vehicles change with the project? *

- ◯ Yes
- ◯ No

Provide the PROPOSED cross section characteristics for motor vehicles. Insert N/A if the characteristic is not changing with the project. Combine values for both directions of travel unless otherwise noted.

	Proposed Conditions
Total pavement width (curb-to-curb or pavement edge to pavement edge (feet)	
Through travel lanes (#)	
Median type (i.e. divided highway, flush median - two way left turn, raised, etc.)	
Traffic signals (#)	
Roundabouts (#)	
Shoulder type (i.e. paved, unpaved or no shoulder)	
Paved shoulder width (feet)	
Total curb length (feet)	

Pedestrian Facilities

Are pedestrian facilities present or being proposed in the project area? *

- ◯ Yes
- ◯ No

Provide the EXISTING and PROPOSED pedestrian facility characteristics in the table below. Insert N/A if not applicable. Combine values for both directions of travel unless otherwise noted.

	Existing Conditions	Proposed Conditions
Sidewalk on one or both sides of bridge		
Sidewalk length (feet) - side A of bridge		
Sidewalk width (feet) - side A of bridge		
Sidewalk length (feet) - side B of bridge		
Sidewalk width (feet) - side B of bridge		
High visibility crosswalks (#)		

Bicycle Facilities

Are bicycle facilities present or being proposed in the project area? *

- ◯ Yes
- ◯ No

Provide the EXISTING and PROPOSED bicycle facility characteristics in the table below. Do not include shared travel lanes with motor vehicles. Insert N/A if not applicable. Combine values for both directions of travel unless otherwise noted.

	Existing Conditions	Proposed Conditions
On-street bike lane type (standard, buffered, protected, contra flow, cycle track, etc.) - side A of bridge		
On-street bike lane length (feet) - side A of bridge		
On-street bike lane width (feet) - side A of bridge		
On-street bike lane type (standard, buffered, protected, etc.) - side B of bridge		
On-street bike lane length (feet) - side B of bridge		
On-street bike lane width (feet) - side B of bridge		
Off road shared use trail length (feet) - side A of bridge		
Off road shared use trail width (feet) - side A of bridge		
Off road shared use trail length (feet) - side B of bridge		
Off road shared use trail width (feet) - side B of bridge		

Transit Facilities

Are transit facilities present or being proposed in the project area? *

- ◯ Yes
- ◯ No

Provide the EXISTING and PROPOSED transit facility characteristics. Insert N/A if not applicable. Combine values for both directions of travel unless otherwise noted.

	Existing Conditions	Proposed Conditions
Bus lane type - side A of bridge		
Bus lane length (feet) - side A of bridge		
Bus lane width (feet) - side A of bridge		
Bus lane type - side B of bridge		
Bus lane length (feet) - side B of bridge		
Bus lane width (feet) - side B of bridge		

Has the cross section changed in any way in the last five years that would not be reflected in satellite or Google Earth imagery? *

- ○ Yes
- ○ No

Describe the cross section changes. *

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

Describe any other pedestrian facilities proposed to be implemented with the project.

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. *

Describe any other bicycle facilities proposed to be implemented with the project.

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 any other transit facilities proposed to be implemented with the project.

Describe what other access management features will be implemented with the project? *

Review the Smart Growth Public Infrastructure Act criteria at:
www.cdtcmpo.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. *

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
- ☐ Curb extension (bump-outs, bulb-outs)
- ☐ ADA curb ramp
- ☐ 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 other pedestrian infrastructure being proposed. *

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 boxes
- ☐ Intersection crossing markings
- ☐ Two-stage turn boxes
- ☐ Protected bike lane at intersections
- ☐ Through bike lane
- ☐ Bicycle signals
- ☐ Other

Describe what other bicycle infrastructure will 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
- ☐ Other

Describe what other transit components are proposed. *

Word Limit:0/50

What new complete streets features are proposed to be implemented with the project? (Select all that apply) *

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

Describe what other complete streets features are proposed. *

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. *

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? *

- ◯ Yes
- ◯ No

Describe how the project will benefit the environment and/or 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 the other safety features being proposed. *

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 other advanced technologies being proposed. *

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 innovative feature *

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.cdtcmpo.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 - Select the project type. *

- ○ Bridge Reconstruction
- ○ New Bridge
- ○ All Other Bridge Projects

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

Design Cost ($) = 10% 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

These funds would be in addition to the required Local 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 your 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