

To: Cost Review Sub-Committee
From: Sotoria Montanari, Program Manager
c: CRCOG Transportation Committee
 Mr. Rob Aloise, Director of Planning
 Ms. Cara Radzins, Transportation Deputy
Date: July 15, 2022
Subject: 2023 LOTCIP (Local Transportation Capital Improvement Program) Project Solicitation:
Draft Selection Policy, Schedule, and Funding Allocations

A Cost Review Sub-Committee meeting will take place at 11:00 am on Monday, July 25, 2022. At the June meeting, the Transportation Committee approved the 2023 LOTCIP Solicitation schedule and recommended funding allocations listed below. The resulting draft FY2023 LOTCIP Solicitation Selection Policy is attached for review and comment in July, and for approval at the September Transportation Committee meeting. Also, attached is a listing of bridges and culverts that may be eligible for LOTCIP funding.

DRAFT Schedule

<i>July 25, 2022</i>	<i>CRCOG Sub-Committee & TC Meeting: Review Project Selection Policy</i>
<i>September 26, 2022</i>	<i>CRCOG Sub-Committee & TC Meeting: Approve Project Selection Policy</i>
<i>November 2022</i>	<i>Letter to municipalities issued for 2023 LOTCIP Solicitation</i>
<i>January 2023</i>	<i>Pre-Application Workshop (optional)</i>
<i>February 2023</i>	<i>Municipal Project Application Proposals Due to CRCOG</i>
<i>April 2023</i>	<i>CRCOG Subcommittee Meeting: Review of draft project ranking results</i>
<i>May 2023</i>	<i>CRCOG TC & Policy Board Mtgs: Endorse project rankings</i>
<i>June 2023</i>	<i>CRCOG works with municipalities to submit final applications to CTDOT</i>

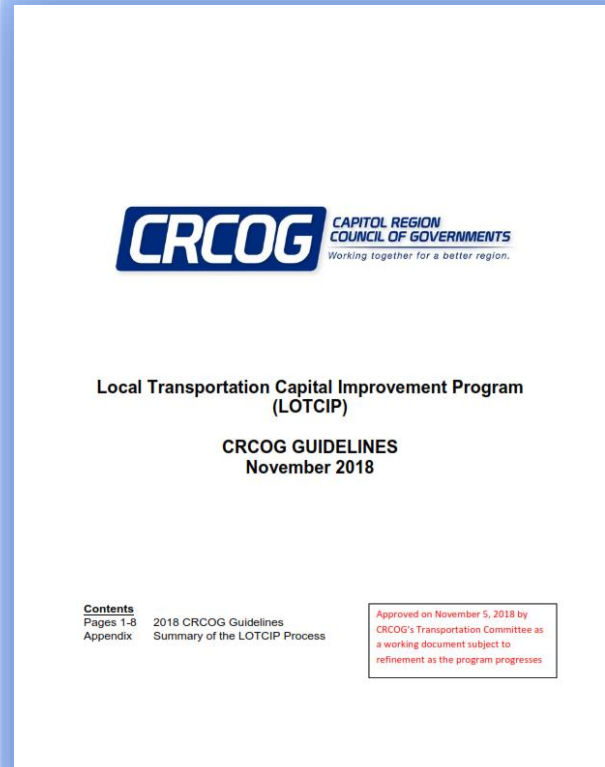
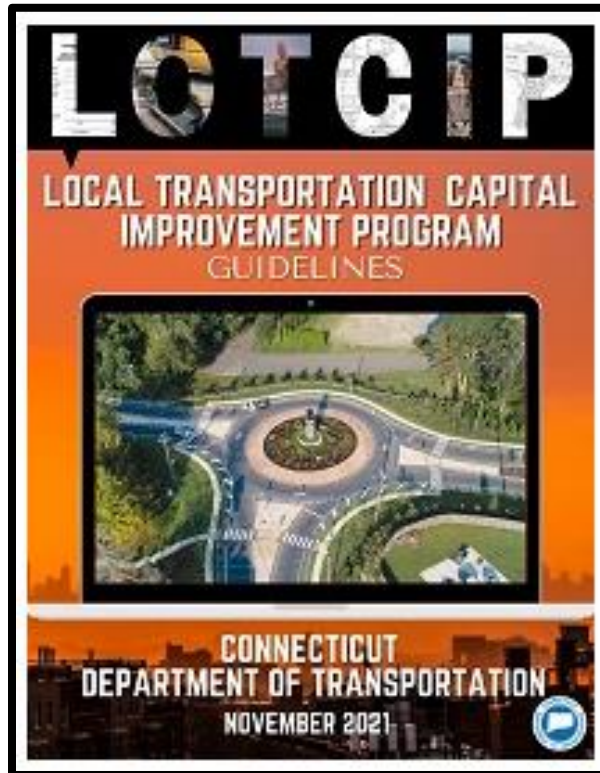
DRAFT Funding Allocations

Staff included the following funding categories and allocations for the 2023 Project Selection Policy:

<u>Project Categories</u>	<u>2023</u>
<i>Bridge/Culvert Replacement Projects</i>	<i>\$ 8,000,000</i>
<i>Reconstruction Projects</i>	<i>\$12,000,000</i>
<i>Pavement Rehabilitation/Stand-Alone Sidewalk Projects</i>	<i>\$ 3,000,000</i>
<i>Bicycle and Pedestrian Projects</i>	<i>\$ 2,000,000</i>
<i>Projects in Rural Communities</i>	<i>\$ 2,000,000</i>
Total	\$27,000,000

Capitol Region Council of Governments LOTICIP Program

2023 Solicitation Project Selection Policy



Revised July 2022

This Project Selection Policy is used by the CRCOG Transportation Committee to guide the project selection process for CRCOG's member municipalities for the Local Transportation Capital Improvement Program (LOTICIP). The CTDOT LOTICIP Guidelines (November 2021) and LOTICIP CRCOG guidelines (November 2018) are used to administer the overall program.

Project Selection Policy Contents:

- I. Project Selection & Funding
- II. Project Rating Criteria

I. Project Selection & Funding

1. Total Program Award (\$27,000,000)

This anticipated \$27 million total program award solicitation, along with an envisioned \$43 million solicitation in FY2024, are proposed to achieve the Transportation Committee's goal of programming of at least an additional year of funding beyond what is budgeted. To meet that goal, this solicitation's anticipated \$27,000,000 total program award is based on funding levels included in the Connecticut Department of Transportation (CTDOT) budget for State Fiscal Years 2023 and future budgets of State Fiscal Years 2024/2025 (pending approval). **Prior to the release of project ranking results, the project category amounts described in Sections 4 through 10 below, may be adjusted proportional to any funding revisions in State budget as administered by CTDOT.** The State Bond Commission approval of bonds is needed for project funding to proceed and will dictate the number and type of projects that will be initiated under this program. Therefore, selection under this solicitation does not guarantee project eligibility or funding.

2. Eligible Projects

As per CTDOT LOTCIP Guidelines, the projects must meet the eligibility requirements of the Federal Surface Transportation Block Grant (STBG) program. As such, roadway improvements must be located on a roadway classified as collector or higher (rural minor collectors, rural local roads, and urban local roads are not eligible). However, sidewalks and multi-use trails are eligible regardless of roadway classification, as are projects primarily proposing bridge/culvert improvements that meet the following criteria:

1. The structure must carry a Federal Aid system roadway, OR;
2. For structures that carry public Local Roads or Rural Minor Collectors, the structure length (sum of the spans) must be greater than 20 feet.

Functional Classification Maps for each municipality are available on the Department's website at: <http://www.ct.gov/dot/maps>.

Per CRCOG policy, culverts must also be municipally owned and have a minimum length of 6 feet. A bridge or culvert's length shall be calculated based on the sum of its spans. It may also include multiple pipes, which carry the same body of water, in which the clear distance between openings is less than half of the smaller contiguous opening or which share a common headwall, provided that the sum of the spans is 6 feet or more. Additionally, bridges that have already either begun receiving funds from other state or federal programs, or are selected to receive these funds and remain active in that program at the date of the application submittal shall not be eligible for LOTCIP funding.

At times, in sensitive areas such as town centers, it may be appropriate to include enhancement type items on a project. It is CRCOG's policy to limit enhancement type items in a project to 20% of the project's cost. Enhancement type items include elements that enhance but are not required for transportation; such as benches, trash receptacles, concrete pavers, and decorative versions of streetlights, mast arms, and crosswalks. Also, street trees and landscaping, in addition to those needed to replace impacts in-kind, will be considered enhancement items, but are generally recommended.

Additionally, per CTDOT guidelines, items with no relation to transportation will typically be ineligible for funding in any quantity, including utility betterments/upgrades that are not required to accommodate the proposed transportation improvement.

It is the **responsibility of each municipality to independently confirm the eligibility** of their proposal, as any prior lists of potentially eligible projects provided by CRCOG or others may contain errors, omissions, or outdated data.

3. Target Projects

CRCOG is primarily looking to fund capital improvement projects that will substantially improve the physical condition of our transportation system (roads, bridges/major culverts), construct complete streets (transit, pedestrian and bicycle accommodations) or correct existing traffic problems related to congestion, safety (crashes), and geometry. The majority of funding is for reconstruction/major pavement rehabilitation projects, however separate funding is set-aside for bridges, minor pavement rehabilitation, stand-alone sidewalk, and bicycle and pedestrian projects.

4. Project Cost Limits (\$300,000 to \$3,200,000)

CRCOG will fund projects that cost between \$300,000 and \$3,200,000. Per CTDOT LOTCIP Guidelines, projects must have a minimum construction cost of \$300,000 to qualify for LOTCIP funding. Extremely large projects will take a disproportionate share of program funds, therefore projects utilizing more than \$3,200,000 of LOTCIP funding will not be approved. The submitted cost estimate should reflect no more than the maximum funding per municipality allowable and any additional amount should be noted as a non-participating cost in the cost estimate.

5. Municipality and Agency Funding Limit (\$3,200,000)

If applying for multiple project categories, no municipality will be awarded more than \$3,200,000 in projects (reconstruction/major pavement bridges, rehabilitation improvements, minor pavement rehabilitation, stand-alone sidewalk, and bicycle/pedestrian projects). Each municipality may submit no more than two (2) proposals total.

6. Roadway Reconstruction and Major Pavement Rehabilitation Projects (\$12,000,000)

A maximum of \$12,000,000 shall be reserved for Roadway Reconstruction/Major Pavement Rehabilitation. The maximum cost for any single project is \$3,200,000. For a description of roadway reconstruction and major rehabilitation pavement treatments, see CTDOT LOTCIP guidelines:

<https://portal.ct.gov/-/media/DOT/documents/dhighwaydesign/LOTCIP-Guidelines-November-2021-Final-Web.pdf>

7. Bridge and Culvert Improvement Projects (\$8,000,000)

A maximum amount of \$8,000,000 shall be reserved for Bridge and Culvert Improvement Projects, with a maximum of \$1,500,000 reserved for culverts. Any existing structure that meets eligibility requirements will be eligible regardless of if it may typically be referred to as a culvert or a bridge. The maximum cost for any single project is \$3,200,000.

LOTCIP guidelines requires a 20 year minimum service life for all reconstruction projects, however in keeping with standard practices, bridge and culvert replacements should be designed for a significantly longer service life (such as 75 years as indicated in CTDOT's bridge manual).

Projects submitted in this category will selected solely by structural condition, and therefore will not be eligible to compete in other categories (such as Reconstruction or LOTCIP rural set-aside funds).

8. Minor Pavement Rehabilitation, Pavement Preservation and Stand-Alone Sidewalk Projects (\$3,000,000 Total)

A maximum amount of \$3,000,000 shall be reserved for Minor Pavement Rehabilitation and Stand-Alone Sidewalk projects. This maximum amount is within the State limit of expending no more than 15 percent of program funds for minor pavement rehabilitation and/or stand-alone sidewalk projects. The maximum cost for any single project is \$1,200,000. Note that Minor Pavement Rehabilitation Projects and Stand-Alone Sidewalk projects will be ranked using different criteria as shown within **Section II - Project Rating Criteria**. However, both project categories are ranked using a total of 50 points and will compete against each other in one ranking list.

NOTE: Per State Guidelines, minor pavement rehabilitation projects will be subject to a 15-20 year minimum design life.

Stand-alone sidewalk projects must provide a safety and mobility benefit to the community, including, but not limited to filling a gap, connecting destinations, being located in a school zone, or improving safety in a vulnerable user population area. Per CTDOT, the replacement or maintenance of existing sidewalks due to their age and condition will not be eligible. However, if widening sidewalks to achieve ADA compliance, then project may be eligible.

9. Bicycle and Pedestrian Project Funding (CTDOT “Transportation Enhancement / Alternative projects) (\$2,000,000 Total)

A maximum amount of \$2,000,000 shall be reserved for bicycle and pedestrian projects. In general, CTDOT differentiates these projects from stand-alone sidewalk projects by requiring the bicycle/pedestrian project to have a significant bicycle improvement component and/or have a significant portion of the pedestrian accommodations removed from a roadway alignment (such as a multi-use trail). The funding limit for each individual project is \$1,200,000 which allows for funding of at least two (2) individual projects.

10. Projects in Rural Communities (\$2,000,000 Total)

A maximum amount of \$2,000,000 will be set-aside exclusively for rural communities. The following policies will apply:

- CRCOG towns that are classified as 60% or more rural per the US Census Bureau’s 2010 census are eligible to compete for the set-aside. This results in the following fifteen eligible towns: *Andover, Bolton, Canton, Columbia, Coventry, Hebron, East Granby, East Windsor, Ellington, Granby, Mansfield, Marlborough, Stafford, Suffield, and Willington.*
- Projects will first compete with all CRCOG municipalities for \$27,000,000 of funding. Eligible projects from rural communities that are not awarded projects will then compete against each other for the \$2,000,000 funding set-aside.

11. Incentive Projects - The categorization of some awarded projects as "incentive projects" is in keeping with CRCOG's historic practice of conditionally awarding high ranking projects to municipalities that already have a backlog of active LOTCIP projects (for this solicitation staff proposes a limit of 3 projects in the design phase). The advancement of one of a community’s "incentive projects"

would be contingent on that municipality completing the design of one of their three active LOTCIP projects.

12. Cost Containment Policy (Municipal Liability for Cost Increases)

CRCOG's cost containment policy will remain in effect as amended by the Transportation Committee on April 24, 2017 (and Policy Board on April 26, 2017) to address cost increases in excess of twenty percent (20%). A municipality will be held liable for any increase in the cost of its project beyond twenty percent (20%) of that previously approved by CRCOG. If costs exceed the CRCOG approved amount by more than twenty percent (20%), the municipality will be required to either pay the entire amount of the increase in excess of the twenty percent, or request review and approval by the CRCOG Cost Review Subcommittee. Similarly, any noteworthy changes to a project's scope will necessitate Cost Review Subcommittee approval, regardless of any associated project cost changes.

During the bidding phase, without committee approval the CRCOG Planning Director may approve LOTCIP funding for any low bid that exceeds the final Engineer's estimate by up to 25%.

13. Eligibility of State Highways and Bridges

Projects on State highways will be considered eligible projects if they are proposed by member municipalities, however the LOTCIP program was initiated to streamline projects not requiring standard State/Federal design oversight and approval. Projects that require this oversight are better suited for other funding sources, however there may be circumstances where flexibility to utilize LOTCIP funding is necessary. If a proposed project is viewed by CRCOG or CTDOT staff as needing state design oversight in excess of an encroachment permit, staff will first work with CTDOT to determine if the project merits the use of alternate funding sources, such as STBG.

14. Project Rating & Approval Process

The following rating process shall be applied. Unsuccessful proposals from communities categorized as Rural per Section 9 will then again be rated (against each other) to compete for the rural funding set-aside.

- Step 1: **All proposals submitted to CRCOG.**
- Step 2: **Staff rates projects.** All proposals shall be rated by CRCOG staff using the approved rating criteria.
- Step 3: **Staff confirms eligibility and prepares rankings.** The staff will confirm eligibility of projects based on CTDOT LOTCIP guidelines and rank all eligible projects based on rating criteria.
- Step 4: **Subcommittee Reviews Project Rankings/Ratings.** The Subcommittee will review all the project ratings/rankings prepared by staff. The Subcommittee may make revisions as warranted.
- Step 5: **Approval by the Transportation Committee and Policy Board.** The project list shall be submitted to the full Transportation Committee for its consideration and approval. The list shall also be submitted to the Policy Board for its consideration and approval.
- Step 6: **Review of Alternate Funding Opportunities.** CRCOG staff will identify projects that might be funded through other federal or state programs.

15. Project Rating Criteria

The project rating system is described in the attached "Project Rating Criteria". CRCOG staff shall rate each project on each of the criteria listed. Staff ratings will be reviewed by the Subcommittee.

Most of the criteria require some subjective judgments about the potential benefits of the project. The subjective nature of the rating system is due to the need to apply the rating system to a broad range of project types. To ensure consistency in the rating process, CRCOG staff shall follow the guidelines specified in the attached "Project Rating Criteria".

16. Project Time Limits

Generally, design timeframes of more than 36 months (as measured between the commitment to fund letter and authorization to advertise) may be considered significantly delayed. If a project schedule slips due to reasons outside of securing permits or DOT/DEEP review, a letter may be sent to the Chief Elected Official putting the municipalities on notice. CRCOG staff will bring significant delay issues to the Cost Review Subcommittee for their review and action. The Cost Review Subcommittee may also require additional Town/City Council Resolutions in support of the project or the submission of periodic project progress/status reporting. If the Subcommittee is not satisfied with the progress, it shall recommend project termination to the Transportation Committee.

17. Project Submissions

Each municipality may submit no more than two (2) proposals from any of the following categories. Each of proposal must consist of a completed signed LOTCIP application. No municipality will receive more than \$3,200,000 total.

Project Category

Roadway Reconstruction/Major Rehabilitation	\$12,000,000
Bridge Improvements	\$ 8,000,000
Minor Pavement Rehabilitation and Stand-Alone Sidewalk Projects	\$3,000,000
Bicycle and Pedestrian Project Funding (Multi-Use Trail)	\$2,000,000
Projects in Rural Communities	\$2,000,000

Total \$27,000,000

18. CRCOG Complete Streets Policy

Proposals must comply with the most current approved [CRCOG Complete Streets Policy](#). The CRCOG Complete Streets Compliance Form needs to be completed and submitted with each project proposal. For more information about eligible exceptions and the exception process, please review the CRCOG Complete Streets Compliance Form.

II. Project Rating Criteria

Each project proposal is ranked using the criteria listed below for each project type. **It is up to each applicant** to provide a description and explanation of how they meet any of these criteria.

Proposals will be rated based on a point system, with the maximum number of possible points assigned to the criteria reflecting the relative importance of the criteria. Points are awarded on the basis of how well the project meets the criteria. For example, a reconstruction project that provides a major traffic safety and operational improvement will be awarded the maximum 21 points for that criterion. A project with no traffic safety or operational improvement will be given a score of zero on that criterion. CRCOG staff will review each application and determine the number of points warranted for the benefits described by the applicant.

BRIDGE/CULVERT IMPROVEMENT PROJECTS

As per CTDOT LOTCIP Guidelines, the bridge and culvert projects must meet the eligibility requirements of the Federal Surface Transportation Block Grant (STBG) program. As such, bridge improvements must be either be located on a roadway classified as collector or higher (rural minor collectors, rural local roads, and urban local roads are not eligible), or meet the following criteria:

1. The structure must carry a Federal Aid system roadway, OR;
2. For structures that carry public Local Roads or Rural Minor Collectors, the structure length (sum of the spans) must be greater than 20 feet.

Functional Classification Maps for each municipality are available on the Department's website at: <http://www.ct.gov/dot/maps>.

Bridge and Culvert Improvement Project proposals will be ranked based on their condition as determined from inspection reports performed in conformance with National Bridge Inspection (NBI) standards. To determine a bridge's ranking only the lowest of the bridge's deck, superstructure, and substructure ratings will be considered. These are listed as items 58, 59, and 60 in NBI data-sets. To determine a culvert's ranking only the culvert condition ratings will be considered, which appears as item 62 in the NBI data-sets. **If there is a tie, the tie breaking criteria will be the municipality with the least total CRCOG approved LOTCIP funding, not including those projects that have received an Authorization to Award letter.**

Summaries of conforming bridge and culvert inspection results can be accessed on the CTDOT website via the following link: <https://portal.ct.gov/DOT/Bridges/Bridge-Data> Alternately the appropriate rating categories from a conforming more recent municipally provided bridge or culvert inspection report will be accepted. Note that these independently prepared inspection reports need to be developed in accordance with NBIS and stamped/signed by a CT licensed professional engineer with experience in bridge inspection. Recent inspection reports for many eligible bridges (including all bridges over 20 feet in length), are available through CTDOT's online ProjectWise/Digital Project Resources platform. It is expected that only bridges/culverts with at least one category rated at 4 or under will be considered.

All bridge applications submitted shall include statements that indicate that either the proposed project has either not been selected to receive funds from other state or federal programs; or that the project had been selected to receive these types of funds but has withdrawn from the funding program prior to the date of application submitted.

For Bridges & Culverts, municipalities will assess hydraulic capacity (adequate for 25, 50, or 100 year flood)

ROADWAY RECONSTRUCTION/MAJOR REHABILITATION

<u>Rating Criteria</u>	<u>Max. Points</u>
1. Structural Improvement (Pavement, Drainage, Culvert)	14
2. Traffic Safety & Operations (Flow, Safety, & Geometrics)	21
3. Traffic Volume or Transit Ridership	15
4. Regional Significance	17
<input type="checkbox"/> Benefit to Regional Public Facilities (10 points)	
<input type="checkbox"/> TOD Supportive (5 points)	
<input type="checkbox"/> Economic Development (2 points)	
5. Environmental	12
<input type="checkbox"/> Green Infrastructure (4 points max.)	
<input type="checkbox"/> Environmental Justice (8 points max.)	
6. Complete Streets	16
<input type="checkbox"/> Vulnerable Users	
<input type="checkbox"/> Pedestrian Supportive (3 points max.)	
<input type="checkbox"/> Bicycle Supportive (3 points max.)	
<input type="checkbox"/> School Zones (2 points max)	
<input type="checkbox"/> Traffic Calming (5 points max)	
<input type="checkbox"/> Transit Supportive (3 points max)	
7. Derived from Corridor Study / Long Range Transportation Plan	5
8. Municipal Road	10
9. Leveraging of Other Finances	5
10. Municipality has not recently secured LOTICP funding	5
TOTAL Possible Points	120

1. Structural Improvement: Pavement, Drainage, Bridge/Culvert (14 points)

The structural improvement rating provides an indication of the extent to which the project will help correct or reduce a structural problem with a road or a culvert. The culvert improvement will need to be included in the overall roadway improvement. A municipality must provide documentation of: (1) the existing structural problems, and (2) how the proposed project will correct the problem. The municipality should provide any available deficiency ratings such as the municipality's own pavement condition inventory. Photographs would also be helpful. The municipality should also describe how the project will address each of the deficiencies it identifies.

For pavement projects, please attach core or test pits data to provide a representative sample of the existing roadway conditions (if available and prior to submittal to CTDOT). If varying pavement conditions exist along roadway indicating the possibility of different pavement conditions, a core/test pit should be performed in each roadway section. Pavement thickness and type, subbase thickness and type, and the presence of fines and/or groundwater should be noted.

CRCOG staff will review the documentation on each project. They will then rate each project based on their professional judgment, the general criteria listed below, and the municipality's documentation.

General criteria: (indicate existing conditions & conditions after improvement)

Roadway Pavement: pavement condition rating (e.g., PCI or RSR)

Roadway Drainage System: adequacy of subsurface drainage system (water in base?)
adequacy of surface drainage system (icing or ponding?)

When assigning a project rating, staff will consider the range of existing problems (pavement, drainage, culvert), the severity of the problems, and the degree to which the problem will be reduced.

2. Traffic Safety and Operations: Flow, Safety, & Geometrics (21points)

The traffic improvement criterion provides an indication of whether the proposed project will help improve traffic delay, traffic safety, or roadway geometrics. The applicant must provide documentation of the existing problem and describe the proposed improvement. Using the suggested design criteria will assist CRCOG staff in their review. CRCOG staff will review the documentation and determine whether the improvement qualifies as major, moderate, minor, or none.

	Existing Problem	Proposed Improvement	Design Criteria
Traffic Flow	Describe the existing delay, congestion, or traffic operations problem. What is the severity of the travel time delays?	Will the proposal reduce the congestion and delays, or improve operations? Is this a suitable area for a roundabout?	Level-of-service (LOS) before & after the proposal is implemented. The use of Highway Capacity Manual procedures is recommended but not required.
Traffic Safety	Provide crash data over a 3 year period. Identify if the project location is included as a Top Crash Intersection or a Top Crash Corridor, as listed in the CRCOG Regional Transportation Safety Plan, 2020.	Identify proposed safety countermeasures (e.g., signage, pavement markings, centerline rumbles, shoulder & clear zone, roadside barriers).	Describe the expected reduction. The use of Highway Safety Manual procedures showing Crash Reduction Factor (percentage) is recommended but not required.
Roadway Geometry	Describe roadway geometric deficiencies, such as excessive grade, substandard width, excessive horizontal curvature, poor sight line, improper super elevation.	Describe the proposed improvement and how it meets design criteria.	Indicate degree of improvement in appropriate design criteria (e.g., improvement to meet sight distance requirements for the design speed of the roadways. Use AASHTO “Green Book” or CTDOT Highway Design Manual.

3. Traffic Volume or Transit Ridership (15 points)

This criterion provides a general indication of the number of people who benefit from the proposed project. Measurement method is dependent on the type of project proposed. For roadway improvement projects, the applicant must supply data on either the annual average daily traffic (AADT) or the peak hour volume of traffic (PHV). For transit projects, the applicant must supply data on the number of transit riders who will benefit from the project. For projects other than road or transit improvements, the applicant must provide some other estimate of the number of people who will benefit, as well as give an explanation of how the estimate was prepared. Submit documentation on one of the following:

1. ADT,
2. PHV,
3. Transit Riders
4. Bike/Pedestrian Volume

When using ADT, the score is calculated by the following formula: **Score = ADT/12,000 x 15** (where ADT = Average Daily Traffic, and the maximum ADT that will be considered is 12,000)

4. Regional Significance (17 points)

Regional significance provides an indication of how widespread or localized the *transportation* benefits of the project are. The applicant must describe the area of impact of the project. For example, does the project benefit only a very small area, an entire municipality, multiple municipalities, or most of the region? Proposals can receive up to seventeen points if the proposed project has any of the benefits listed below.

□ **Benefit to Regional Public Facilities** (maximum 10 points)

A proposal can receive up to ten points if it helps improve access to regional **public** facilities such as hospitals, colleges, and airports; on an evacuation route; or to an emergency shelter.

The applicant should provide documentation on (1) the size of the area that benefits from the proposed project, and (2) information on any regional **public** facilities that benefit from the proposed project. The documentation should demonstrate how the area or regional facilities benefit.

CRCOG staff will review the documentation and determine whether the project qualifies as regional, sub-regional, town-wide, or localized.

□ **TOD Supportive** (maximum 5 points)

A proposal can receive up to five points if it is supportive of transit-oriented development (TOD). The applicant should provide documentation showing that the proposed project is within a half mile of a park and ride lot or a transit station on the **CTfastrak** guideway or **CTrail** Hartford Line. If the project is within a quarter mile of a transit station, the applicant should document that as well. Also, key to supporting TOD, any elements of the project that enhance bicycle and pedestrian connections within the project area should be clearly stated and documented.

A bike/pedestrian facility may be derived from a study or identified on a state/CRCOG bike network map.

❑ **Economic Development** (maximum 2 points)

Projects that help the economic development goals of the community will receive up to two points.

5. Environmental (12 points)

Proposals can receive up to twelve points if the proposed project has any of the benefits listed below.

❑ **Green Infrastructure** (maximum 4 points)

Proposals can receive up to four points if the project includes the implementation of new technologies and methodologies that reduce environmental impacts associated with transportation infrastructure, it can receive up to an extra five points. These new initiatives seek to reduce stormwater runoff and associated pollutants, promote the use of recycled materials, bring natural elements into streets, and reduce “heat island” effects

Green Streets strategies include reforestation of native ecosystem flora, the use of permeable pavement, bioslopes and bioswales, bioretention cells, and vegetated filter strips to reduce and filter stormwater runoff. Additional strategies to reduce environmental impacts include use of reclaimed or recycled pavements and integration of natural elements into streets. include use of in-place reclaiming of existing pavements for use as a road granular base on lower-volume roads, partial depth cold-in-place recycling of pavements up to 8,000 ADT, use of reclaimed asphalt pavement (RAP) into hot-mix-asphalt, warm-mix asphalt (WMA) technology, and integration of natural elements into streets.

❑ **Environmental Justice** (maximum 8 points)

Proposals can receive up to six (6) points if the proposed project benefits primary target area. A maximum of four (4) points if the proposed project benefits a secondary target area and eight (8) points both primary and secondary. A map of the environmental justice target areas is included in this document. An interactive version of the map is also available at:

<https://crcog.maps.arcgis.com/apps/webappviewer/index.html?id=01d47e9baf3b406798021be3b200f88d>

6. Complete Streets (16 points)

❑ **Vulnerable Users**

❑ **Pedestrian Supportive** (maximum 3 points)

Proposals that improve pedestrian mobility and/or safety can receive up to three points. Proposals should indicate pedestrian measures that are being proposed such as new sidewalks, crosswalks, or pedestrian traffic signal equipment and how the measures will improve pedestrian safety.

❑ **Bicycle Supportive** (maximum 3 points)

If the project helps to improve the mobility and safety of bicyclists or helps achieve the goals of the Regional Bicycle Plan, it can receive up to three points. Proposals should indicate how bicycle provisions (i.e. pavement striping to provide exclusive bicycle lane) will advance the vision of safety, convenience and improved linkages. Considerations should be given to the viability of reducing vehicle lane widths (for example from 12’ to 11’), where appropriate, to provide additional shoulder width for cyclists.

❑ **School Zones/Senior Citizen Housing** (maximum 2 points)

Projects that assist in addressing vehicular, pedestrian, or bicycle safety in school zones or in proximity to senior citizen housing will receive up to two points.

❑ **Traffic Calming/Road Diets** (maximum 5 points)

If the project will have a positive effect on reducing vehicular travel speeds, altering driver behavior and/or reducing the negative effects of automobile use, the project is eligible for up to five points. When considering traffic calming benefits, CRCOG staff will evaluate a wide range of potential traffic calming improvements such as road diets, speed humps, reduced lane width, streetscaping elements, or other measures appropriate to the type of street. Proposals should indicate the severity of the existing problem and the degree to which the proposed improvements will reduce the problem.

❑ **Transit Supportive** (maximum 3 points)

If a proposal benefits the region's transit system or transit users, it can receive up to three points. Proposals should indicate if bus shelters are being proposed or if sidewalks to bus stops are being improved or installed.

7. Recommended in other CRCOG planning documents (5 points)

A proposal can receive up to five extra points if the project includes recommendations within CRCOG documents in accordance with the following:

- Includes recommendations from corridor study initiated through CRCOG
- Is a project in CRCOG's Metropolitan Transportation Plan
- Includes proposed bicycle infrastructure on a road identified on the State/CRCOG Bike network map.
- Includes a Top Crash Intersection, Top Crash Corridor, or location listed in Appendix A Municipal Reports, from the CRCOG Regional Transportation Safety Plan, 2020.

8. Municipally Owned Arterial or Collector Road (10 points)

A proposal can receive up to 10 points if the project is located on an arterial or collector road that is owned by the municipality (as versus State ownership).

9. Leverages other Finances to fully fund or construct project (5 points)

A proposal can receive up to five points if the proposed project leverages other finances. Leveraging other finances is defined as using LOTCIP funds to supplement other existing funds to fully fund a project. The number of points awarded will depend on how complete the planning or design processes are. To receive points, the existing funding must be secure and cannot be in the form of an earmark. With difficult financial times expected, multiple funding sources will offer great flexibility towards completion of projects.

10. Municipality has not recently secured LOTCIP funding (5 points)

A proposal can receive up to five points if it is from a municipality that either has not yet been awarded a LOTCIP project or all of its municipal projects have received an Authorization to Award Letter by application due date.

MINOR PAVEMENT REHABILITATION PROJECTS

<u>Rating Criteria</u>	<u>Max. Points</u>
1. Structural Improvement (Pavement)	20
<ul style="list-style-type: none"> • Pavement/Roadway structural deficiencies are addressed by treatment appropriate relative to PCI, RSR or observed conditions. • Addressing drainage issues such as ponding, shoulder rutting or culvert drainage problems • Heavy truck traffic may also be used as a rating criterion 	
2. Traffic Volume or Transit Ridership	10
<ul style="list-style-type: none"> • ADT Volumes • Bus routes; transit ridership numbers 	
3. Complete Streets ⁵	
<ul style="list-style-type: none"> • Narrower vehicle lanes to accommodate bike lanes • Create bike lane on roadway • Install sidewalks/ADA compliance (ramps) 	
4. Regional Significance	5
<ul style="list-style-type: none"> □ Benefit to Regional Public Facilities (3 points) □ Economic Development (2 points) 	
5. Environmental Justice	5
6. Municipality has not recently secured LOTCIP funding or all of its municipal projects have received an Authorization to Award Letter by application due date.	5
TOTAL Possible Points	50

Minor Pavement rehabilitation projects will be evaluated on, but not limited to, the following criteria: structural deficiencies including existing roadway issues, appropriate treatment relative to pavement deficiencies, and above surface drainage issues (such as ponding); traffic volumes based on average daily traffic (ADT) or peak hour volume of traffic (PHV); regional significance including how widespread or localized the benefits of the project are (including the facilities it will benefit, and economic development); project location in relation to environmental justice areas; and whether the municipality has recently secured LOTCIP funding. In support of complete streets, considerations should be given to the viability of reducing vehicle lane widths (for example from 12’ to 11’), where appropriate, to provide additional shoulder width for cyclists.

BICYCLE AND PEDESTRIAN PROJECTS and STAND-ALONE SIDEWALK PROJECTS

<u>Rating Criteria</u>	<u>Max. Points</u>
1. Improves Mobility (including filling gaps/connecting destinations) <ul style="list-style-type: none">• High Density or Town Center• Access to Transit• Connects gaps• Destination or transportation alternative (library, park and ride, public buildings, senior housing)	16
2. Improves Safety (including volume of conflicting traffic) <ul style="list-style-type: none">• Addresses crash history• ADT's• Quality of bike facility; level of protection (barrier, width)	19
3. Vulnerable Users (up to 1/2 mile from project area)	5
4. Environmental Justice	5
5. Municipality has not recently secured LOTCIP funding or all of its municipal projects have received an Authorization to Award Letter by application due date.	5
TOTAL Possible Points	50

Bicycle and Pedestrian projects and Stand-alone sidewalk projects primarily rated on their ability to improve bicycle and pedestrian mobility and safety. These projects will be evaluated, but not limited to the criteria: whether or not the improvement fills a gap or connects destinations; the effectiveness in providing alternatives to driving; safety benefit to the community; if there are especially vulnerable users (i.e. elementary school children, handicap individuals, teenagers, elderly); the project's location in relation to environmental justice areas; and whether the municipality has recently secured LOTCIP funding.

SELECTED BRIDGES PER 2021 NATIONAL BRIDGE INVENTORY DATASET WITH DECK, SUPERSTRUCTURE, SUBSTRUCTURE OR CULVERTS WITH A RATING OF 4 OR LESS.

Structure Number	Town Name	Facility Carried	Features Intersected	Year Built	Structure Length	Deck	Superstructure	Substructure	Culverts
Bridges									
04582	ANDOVER	LONG HILL ROAD	HOP RIVER	1934	43.0	4	5	5	N
01489	BLOOMFIELD	ROUTE 178	BEAMAN BROOK	1915	48.9	6	3	6	N
04447	EAST GRANBY	FLOYDVILLE ROAD	SALMON BROOK	1947	107.0	7	7	4	N
01524	EAST WINDSOR	ROUTE 191	SCANTIC RIVER	1925	85.0	6	3	5	N
04506	ENFIELD	SOUTH RIVER STREET	FRESHWATER BROOK	1920	38.1	4	6	6	N
01487	FARMINGTON	ROUTE 177	FARMINGTON RIVER	1939	231.0	6	4	6	N
04516	GRANBY	DONAHUE ROAD	BELDEN BROOK	1956	45.9	5	4	6	N
04528	GRANBY	MOOSEHORN ROAD	MOOSEHORN BROOK	1956	44.9	7	4	7	N
03023	HARTFORD	SIGOURNEY STREET	CAPITOL AVE & AMTRAK	1964	653.9	4	5	6	N
04239	NEW BRITAIN	B&M BERLIN SECTION	ROUTE 9	1976	401.9	4	5	7	N
02214	PLAINVILLE	SR 536 -CROOKED ST	PAN AM RAILROAD	1969	187.0	6	4	5	N
00653	SIMSBURY	ROUTE 10	HOP BROOK	1957	44.0	3	3	5	N
04174	SOUTH WINDSOR	MAIN STREET	PODUNK RIVER	1907	33.1	5	3	6	N
00518	SOUTHINGTON	ROUTE 10	ROUTE 322	1936	59.1	7	4	6	N
05753	SOUTHINGTON	ROUTE 322	TEN MILE RIVER	1989	36.1	5	4	7	N
00518	SOUTHINGTON	ROUTE 10	ROUTE 322	1936	59.1	7	4	6	N
04562	SOUTHINGTON	SPRING STREET	QUINNIPIAC RIVER	1960	42.0	3	6	7	N
04560	SOUTHINGTON	NEWELL STREET	QUINNIPIAC RIVER	1964	39.0	4	4	5	N
04438	STAFFORD	STONE HOUSE ROAD	ROARING BROOK	1958	22.0	7	5	3	N
04778	STAFFORD	LEONARD ROAD	FURNACE BROOK	1976	71.8	3	3	6	N
04776	STAFFORD	HYDEVILLE ROAD	FURNACE BROOK	1935	23.9	5	5	4	N
03295	SUFFIELD	ROUTE 190	CONN RIVER & AMTRAK RR	1966	1345.1	6	4	6	N
01120	TOLLAND	ROUTE 74	SKUNGAMAUG RIVER	1916	29.9	4	4	6	N
04575	VERNON	MAIN STREET	TANKERHOUSEN RIVER	1885	68.9	7	5	4	N
03651	WEST HARTFORD	NORTH MAIN STREET	WEST BRANCH TROUT BROOK	1901	50.9	N	4	4	N
04081	WEST HARTFORD	FERN STREET	WEST BRANCH TROUT BROOK	1939	23.9	4	4	6	N
00448	WETHERSFIELD	ROUTE 15 SB	ROUTE 314 - BERLIN TNPK.	1942	146.0	7	4	6	N
Culverts									
04583	ANDOVER	BUNKER HILL ROAD	HOP RIVER	1960	57.1	N	N	N	3
03657	BERLIN	KENSINGTON ROAD	MATTABESSET RIVER	1958	65.0	N	N	N	4
06955	BERLIN	GLEN STREET	MATTABESSET RIVER	1957	28.9	N	N	N	2
06141	ELLINGTON	STRAWBERRY ROAD	ABBAY BROOK	1940	22.0	N	N	N	4
04695	HEBRON	OLD COLCHESTER RD	RAYMOND BROOK	1956	26.9	N	N	N	3
04546	PLAINVILLE	TOMLINSON AVENUE	QUINNIPIAC RIVER	1968	24.9	N	N	N	4
06198	STAFFORD	WHISPERING PINES R	STREAM	1975	20.7	N	N	N	3
06975	TOLLAND	INDUSTRIAL PARK RO	GAGES BROOK	1980	23.9	N	N	N	4
06976	TOLLAND	INDUSTRIAL PARK RO	GAGES BROOK	1980	23.9	N	N	N	4
06977	TOLLAND	GERBER DRIVE	GAGES BROOK	1980	30.2	N	N	N	4