

OHIO STIC FUNDING APPLICATION



APPLICATION DUE BY June 23, 2023

This is Ohio's State Transportation Innovation Council (STIC) funding application. Please review this application in its entirety before completing. Total annual STIC program funding is currently set at \$100,000 per state with a minimum 20% match (of total) requirement. These funds may be awarded to a single project or divided among multiple projects. Additional guidance is available at: www.fhwa.dot.gov/innovation/stic/guidance.cfm. See **Appendix A** for weighted scoring matrix.

1) APPLICANT CONTACT INFO

Full Name:
Agency Name:
Mailing Address:
City, State, Zip:
Email:
Phone:

2) HIGH LEVEL DETAILS

Application Date:
Funding Amount Requested:
Match Amount (minimum 20%):
Match Source Name:
Projected Start Date:
Projected End Date:

3) INNOVATION PROJECT NAME

4) SCOPE OF WORK, OBJECTIVES, SUMMARY OF DELIVERABLES, and SCALABILITY

Please include a detailed scope of work including what the funding will be used for, objectives, summary of deliverables, and milestone dates. Also, please include the scale of application (ex, is this a pilot, regional or statewide idea?), and how this can be scaled to a larger region or even statewide.

5) COST SAVINGS AND EFFICIENCY POTENTIAL

Please describe the potential cost savings or efficiency gains of the innovation being submitted. Please be specific, in as much detail as possible, in your cost savings calculations and descriptions and include links to references or resources used in the calculation. A basic example of a cost savings calculation can be found in **Appendix B** of this application.

6) MINIMUM ELIGIBILITY REQUIREMENTS

Federal Technology & Innovation Deployment Program (TIDP) Eligibility Goals

- Significantly accelerate the adoption of innovative technologies by the surface transportation community;
- Provide leadership and incentives to demonstrate and promote state-of-the-art technologies, elevated performance standards, and new business practices in highway construction processes that result in improved safety, faster construction, reduced congestion from construction, and improved quality and user satisfaction;
- Construct longer-lasting highways through the use of innovative technologies and practices that lead to faster construction of efficient and safe highways and bridges;
- Improve highway efficiency, safety, mobility, reliability, service life, environmental protection, and sustainability; and
- Develop and deploy new tools, techniques, and practices to accelerate the adoption of innovation in all aspects of highway transportation.

a) Describe how the proposed project aligns with the above TIDP goals, as well as [ODOT's strategic direction](#).

b) Describe how the proposed project fosters a statewide culture of innovation, while also helping to make innovation a standard practice in Ohio.

c) The project must start within six (6) months of any funding award date. All funds must be expended within two (2) years of this date. Is the project team prepared to meet these schedule requirements? Describe how quickly and realistically the funds would be expended.

7) RELATION TO EVERY DAY COUNTS (EDC) INITIATIVES

Please outline and describe if the innovation being submitted is related to any of the FHWA EDC Initiatives. Additional information about EDC initiatives can be located here: <https://www.fhwa.dot.gov/innovation/everydaycounts/>

8) PARTIAL FUNDING CONSIDERATION

Is your team willing to consider partial funding if the full amount of requested funding is not approved?
YES NO

a) If yes, please describe how reduced funding would impact the project as proposed.

9) ADDITIONAL DETAILS FOR OHIO APPLICATIONS

This application is a screening and qualification tool. Additional process is required to complete the formal submission piece. Final candidate selection(s) for submission will be determined by the Ohio STIC in coordination with the FHWA. Final candidate(s) will be invited to continue through the formal submission process. Designating a capable project leader is essential. Post-award progress reports are required. The matching funds source needs to be identified and secured in advance. The minimum matching funds are described as a 20% match of total in the formal documentation. The actual match calculation formula is derived from the inverse of that ($\$125,000 \times 80\% = \$100,000$). In short, if awarded a full \$100,000 the minimum match is \$25,000. All Federal Buy-America and competitive procurement rules apply.

10) LIST OF ATTACHED DOCUMENTS

If applicable, please list each document, or exhibit, being attached in support of this application.

#	Description	#	Description	#	Description
1		2		3	

11) APPLICANT ACKNOWLEDGEMENTS & CERTIFICATION

By accepting any offered STIC award funding I understand that I am responsible for submitting progress summary reports every six (6) months after any funding award notification date. This incremental reporting requirement sunsets one (1) year after project completion. This includes submitting a final outcomes report, a presentation to the STIC, and cooperation with the STIC to help communicate the innovation throughout the state. In addition, I am responsible for ensuring any associated expenditures meet applicable state and federal procurement requirements.

Applicant Name (Printed):		Signed		Date:	
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Lastly, I certify that all information provided on this form (and any attachments) is true, factual, and accurate.

Please submit all completed applications to Richard.Winning@dot.ohio.gov by June 23, 2023, with the subject label "STIC APPLICATION" followed by the proposed project's name.

Appendix A: Weighted Scoring Matrix

STIC Incentive Subcommittee voter scale (1-5)

Ground Rules

New innovations, not something that already exists
 Looking for tangible results, not studies or evaluations
 No research projects
 Has the area received STIC incentive funding in the past (tiebreaker)
 In-house labor not permitted

Comments:

Any state or local match has to be secured or committed, not a contingency
 provide some descriptions for each item

Eliminators

Do they have the required match secured?

Proposed Ohio Scoring		Application Question
Overall Application Quality (thoroughness, supporting documentation, etc.)	10%	All
Scope of work, making innovation a standard practice, scalability	25%	4, 6b
Cost-Savings/Efficiency Potential	25%	5
Alignment with ODOT Mission, Vision, and Guiding Principles	10%	6a
How quickly can it be implemented?	15%	6c
EDC Related Initiative	15%	7
Total	100%	

Appendix B: Basic example of a savings calculation (related to question 5 of the application)

A basic cost savings calculation takes into consideration the costs incurred to implement an idea as compared to any costs saved or avoided over a future defined period.

For this hypothetical example, we are assuming a government agency is deploying a new technology related to managing electrical distribution for highway lighting and traffic signals. There will be an upfront cost to design and install the new technology by consultants and contractors. There will be cost savings or avoidance as a result of the lighting and signals not having to be replaced every year. In addition, there will be a significant annual savings because the technology being deployed is much more energy efficient and will result in lower utility costs.

Costs incurred to implement

Costs incurred to implement include in-house costs such as labor, materials, and equipment, as well as costs incurred to hire vendors, consultants and contractors.

In-house Labor (hours x wage rate)	\$0
In-house Materials	\$0
In-house Equipment	\$0
Consultant	\$1 million
Contractor costs	\$5 million
Total Costs Incurred	\$6 million

Cost savings/Cost avoidance

Cost savings, also known as “hard savings,” have to do with any action that immediately lowers investment, current spending, or debt levels. *Cost avoidance* has to do with any action that avoids having to incur costs in the future. In a business setting, the cost avoidance is a measure that lowers potential increased expenses as a way of decreasing a company’s future costs. Either cost savings or cost avoidance can be used in this calculation.

The period over which costs are saved or avoided can vary depending on the innovation. Some smaller, less costly innovations would likely have a shorter savings horizon, while larger, more complex innovations would likely have a longer savings window.

In our hypothetical example, we are assuming a 10-year period simply due to the long-term nature of the innovation or savings idea.

In-house Labor (hours x wage rate X number of years)	(2,000 hrs. per year x \$30/hr. x 10 years) =\$600,000
Electrical cost (savings per year x number of years)	(\$1.5 million x 10 years) \$15 million
Total Costs Saved or Avoided	\$15.6 million

Annual savings is \$1.56 million

Savings calculation

In our example, the net savings is \$9.6 million (\$15.6 total savings - \$6 million total costs). The payback period is 3.85 years (\$6 million Total costs / \$1.56 million annual savings)