Form Name:	SFY 2026 Municipal Bridge Application
Submission Time:	August 14, 2025 7:58 pm
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Location:	40.0818, -82.9665

State Fiscal Year 2026 Municipal Bridge Application

Agreement of Understanding	I have read and understand the program guidance and the terms described in the overview above

Contact Information

Applicant/Project Sponsor	Public Service Director
Name	Alan Haines
Address	621 W. Broad St. Suite 2B Pataskala, OH 43062
Phone	(614) 746-5365
Email	ahaines@ci.pataskala.oh.us

Bridge Inspection and Studies/Analysis

Are the applicant's local bridge inspections up to date?	Yes
Does a Structure Type Analysis need to be performed?	No
Does a Hydraulics Analysis need to be performed?	No

Project Identifiers

ODOT District	5
County	Licking
Route	T.R.38
Structure crosses over:	Muddy Fork
Bridge Structure File Number	4563808
Project Type	Replacement

Is the anticipated project going to be administered as ODOT-let or Local-let?	ODOT-let

Project Description

Describe the Current Conditions	The October 2024 bridge inspection report found the bridge superstructure in poor condition and recommends the superstructure be replaced in the next 5 years. Overall, the superstructure steel beams, diaphragms, bearings, corrugated metal deck, railing and railing posts has large amounts of heavy rust with minor to moderate pitting and section loss. A 2/21/2024 Special Inspection report indicated large corrosion holes in beam ends and repair plates were installed on 3/6/2024 as a result. The bridge substructure was reported to be in satisfactory condition. However, the report indicates the foundation is a spread footing on soil and scour is within the footing limits. The report also indicates major embankment damage. The shallow foundation with scour conditions could be unsafe, potentially reducing the bearing capacity and loss of lateral stability. According to the FEMA flood map and profile this bridge in zone AE and the bottom of the steel beams are overtopped by the 100-year flood condition.
Describe the Proposed Work	The City of Pataskala desires to replace the entire structure of the Columbia Rd Bridge (LIC-T0038-03.150) over Muddy Fork with a deep pile foundation substructure and a composite prestressed box beam superstructure. Based on the FEMA flood map and profile, it is anticipated the bridge superstructure will be raised which will cause the road profile to be raised. The existing abutments will be replaced with new abutments on deep foundations. The anticipated work also includes stream bank stabilization around the new abutments.
Identify Any Potential Environmental or Right-of-Way Issues	No environmental issues are anticipated, but the time for environmental permitting of instream work should be accounted for in the project schedule. Minor strip take right-of-way acquisition is required; no issues are anticipated.
Identify Any Historical Significance Relating to the Proposed Project	The superstructure was replaced on existing abutments in 1995. The date of substructure is unknown.

Describe Any Preventative Maintenance and/or Rehabilitation That Has Previously Occurred on the Bridge	Due to a critical finding of corroded superstructure steel beams in February of 2024, repair plates were installed at the large holes at beam ends to re-establish the shear load path. Periodic crack sealing of the bituminous asphalt wearing surface.

Project Development Details

Project Data

Substructure Condition Rating	6
Superstructure Condition Rating	4
Deck Condition Rating	5
Annual Average Daily Traffic	601
Legal Bridge Load Limit (Percentage)	60

Safety Indicators (Optional)

Speed	35
Number of Lanes	2
Functional Class of Roadway	Urban - Local
Lack of Facilities	The existing bridge and approach roadway have no pedestrian sidewalk or bike path and the City has no intention to widen the bridge/roadway for pedestrian facilities in the future.
Gaps in bicycle and pedestrian network	The existing bridge and approach roadway have no pedestrian sidewalk or bike path and the City has no intention to widen the bridge/roadway for pedestrian facilities in the future as there is no feasible connection and none are anticipated for many years.
Presence of bicycle and pedestrian generators (neighborhoods, destinations, transit, etc.)	The Columbia Rd bridge (LIC-T0038-03.150) is located on a rural-like section of Columbia Road that provides access to nearby homes and businesses and is located 3 miles driving distance from Licking Heights Middle and High Schools and 3.5 miles driving distance from the Pataskala Elementary School.
Bicycle/Pedestrian Volume Data	Unkown

Alignment with State and US Bike Route System	The Ohio Department of Transportation's document entitled "Ohio's State and US Bike Route System Review 2020", State Route 16 (aka East Broad Street) located approximately 1 mile south of Columbia Rd bridge is designated Ohio Bike Route.

Project Funding

Preliminary Engineering and Environmental Funding

State Fiscal Year	2026
Local Contribution	92000
Other Funding Sources	0
Municipal Bridge Program Funding Request	368000
Total Preliminary Engineering and Environmental Funding	460000

Design Funding

State Fiscal Year	2026
Local Contribution	17600
Other Funding Sources	0
Municipal Bridge Program Funding Request	70400
Total Design Funding	88000

Right-of-Way Funding

State Fiscal Year	2028
Local Contribution	12000
Other Funding Sources	0
Total Right-of-Way Funding	12000

Construction Contract Funding

State Fiscal Year	2029

Local Contribution	93000
Other Funding Sources	0
Municipal Bridge Program Funding Request	1766700
Total Construction Contract Funding	1859700

Construction Inspection Funding

State Fiscal Year	2029
Local Contribution	10000
Other Funding Sources	0
Municipal Bridge Program Funding Request	190000
Total Construction Inspection Funding	200000

Total Project Funding

Total Local Contribution	224600
Total From Other Funding Sources	0
Total Municipal Program Funding Request	2395100
Total Project Costs	2619700

Project Funding Sources

Identify all sources of already secured local contribution funds and funds from other sources:	None.
Identify all sources of anticipated local contribution funds and funds from other sources that have not yet been secured and the timeframe in which the funds are expected to be secured:	The City of Pataskala has budgeted $225,000 of local contribution funds for 2029.

What happens if the anticipated funding sources identified above are not awarded?	The City may only replace the superstructure.
Identify the work to be done utilizing Municipal Bridge funding (to ensure eligibility):	Preliminary Engineering and Environmental Engineering, Final Engineering, Construction and Construction Inspection.

Project Evaluation Information

Explain how the project scope and various alternatives were assessed, as well as cost estimates, environmental impacts, and community impacts.	Following a critical finding of deteriorated steel beam ends, a repair and special inspection in 2024, the bridge was load posted for its reduced live load capacity. The 2024 inspection was completed and recommended the superstructure be replaced in the next 5 years. A preliminary superstructure replacement cost estimate was completed using recent similar projects bid data to compare steel beams and box beams, the box beams deemed to be more cost effective and able to accommodate the span length of the bridge. Understanding that ODOT would prefer having the abutments converted to semi-integral, the foundation information was gathered from the inspection report as no plans are available for this bridge. The report indicates the foundation to be spread footing on soil which is not a preferable condition for a waterway crossing and would not allow the abutments to be converted to semi-integral design. Further looking at FEMA flood map and profile, it appears the 100-year flood elevation is above the bottom of the existing beams. The inspection report indicates major embankment damage and a retaining wall is present along the downstream channel that indicates more embankment work may be necessary. In addition the inspection report indicates scour within the footing limits. With these conditions, a full replacement of the structure was recommended.
What other solutions were considered for this project?	Initially, only a superstructure replacement was considered with some embankment stabilization where necessary.

Why was the proposed alternative selected over others?	This is a more practical and safe alternative for the community and City. With the potential scour condition as indicated in the inspection report and the shallow foundation (spread footing on soil), the foundation would eventually need replaced and until then regular maintenance would need to be done to try mitigate scour. It makes more sense (safety and economically) to replace the entire structure now than to replace a superstructure now and the abutments (and consequently superstructure again) in the future.
What are the forecasted impacts if this project is not awarded funding?	Local funding for a superstructure replacement only can be secured by the City within the next 4 years. Replacing a superstructure only will eliminate the reduced load posting caused by the existing deteriorated superstructure, but the uncertainty of scour potential of the abutment spread footings will remain, which will require regular maintenance and need to be mitigated in future years before the new superstructure is deteriorated.

Ethics and Conflict of Interest

If selected for award, I agree to review and comply with the Ethics and Conflict of Interest laws, including 23 CFR 1.33; 23 CFR 636.116; and ORC sections 102.03, 2921.42, and 2921.43.

Signature

Signature

Print Name of Submitter	Elne Reed
Print Title of Submitter	Senior Bridge Designer
Print Entity of Submitter	GFT (formerly Gannett Fleming Inc)

Attachments

Photographs of Project Site (Limit 10)	https://www.formstack.com/admin/download/file/18377689786

Project Schedule	https://www.formstack.com/admin/download/file/18377689796
Project Cost Estimate	https://www.formstack.com/admin/download/file/18377689797
Other Attachments	https://www.formstack.com/admin/download/file/18377689798
Other Attachments	https://www.formstack.com/admin/download/file/18377689799
Other Attachments	https://www.formstack.com/admin/download/file/18377689800