



## REQUEST FOR DESIGN BUILD PROPOSAL

**Project Name: Pedestrian Bridge Maintenance Program 2025**  
**Project No. 24-004-CIP**

The City of Dublin Ohio is requesting design bid proposals for the design and construction of the Pedestrian Bridge Maintenance Program 2025. Proposals shall be provided to the City of Dublin electronically by 12:00 P.M. local time on November 26, 2024.

The City of Dublin may choose to not award the project—and proposals shall remain valid—until ninety days after the submittal deadline. The work for which proposals are invited consists of: The project will provide for the design and construction of the removal and subsequent replacement of the existing NYROP covered pedestrian bridge. The NYROP covered pedestrian bridge is located over the South Fork Indian Run on the south side of Coffman Park Drive near 5640 Coffman Park Drive.

Documents are available beginning 11:00 A.M. on October 31, 2024 at the link below.

<https://dublinohiousa.gov/bids-and-requests-for-proposals/>

For any additional information, contact the City's Project Manager below. Any questions regarding the scope or proposal preparation should be provided in writing.

**Joshua Miller, P.E.**

Civil Engineer II  
City of Dublin, Ohio  
Division of Engineering  
6555 Shier Rings Road  
Dublin, OH 43016  
614.410.4621  
[jdmiller@dublin.oh.us](mailto:jdmiller@dublin.oh.us)

Each proposal must contain the full name of the party or parties submitting the proposal and all persons interested therein. Each team must submit evidence of its experience on projects of similar size and complexity. The owner intends and requires that this project be completed by November 28, 2025.

All engineers, contractors, and subcontractors involved with the project will to the extent practicable use Ohio products, materials, services and labor in the implementation of their project. Payment of Prevailing Wages is required for this Project.

The City of Dublin reserves the right to accept or reject any or all proposals, to waive any informalities or irregularities in the selection process and to enter into a contract with the team whom, in its opinion, offers the best proposal.

Each team must ensure that all employees and applicants for employment are not discriminated against based on race, color, religion, sex, or national origin.

### Engineering



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# **REQUEST FOR DESIGN BUILD PROPOSAL**

## **Engineering Project 24-004-CIP**

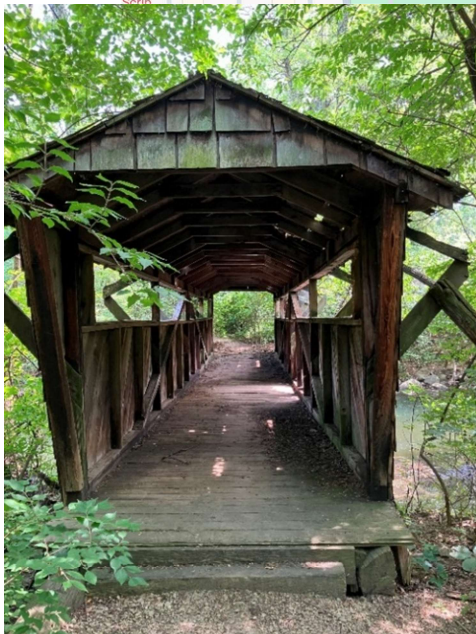
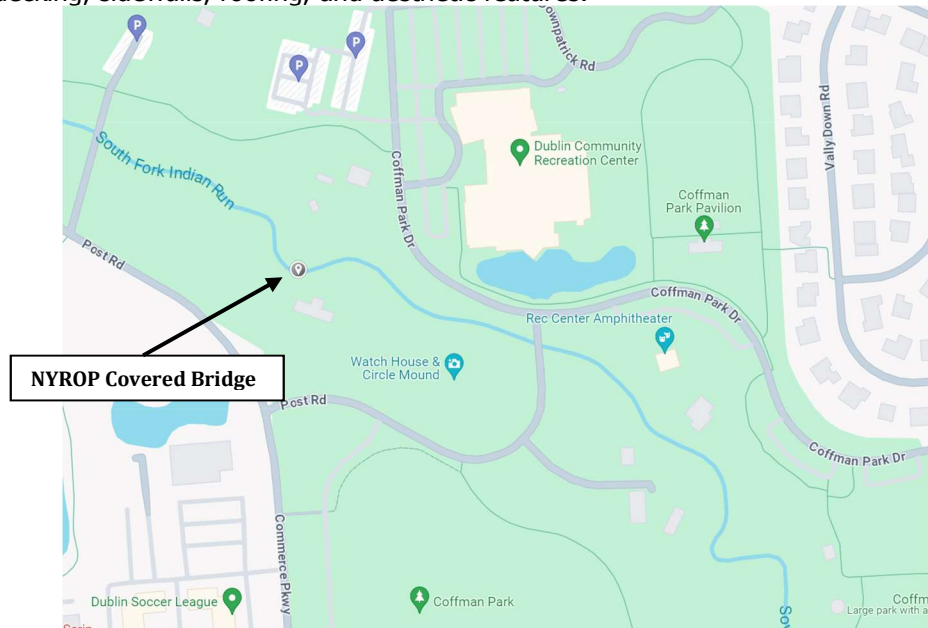
### **2025 Pedestrian Bridge Maintenance Project**

#### **1. Project Statement**

##### **1.1 NYROP Covered Bridge**

1.1.1 The project will consist of the removal and replacement of the existing NYROP covered pedestrian bridge as identical in nature as practicable. The proposed structure should align with the existing or previously removed material in terms of type, species, style, texture, and detailing. The proposed structure is expected to be brought up to current standards, including the potential for current structural construction, but is to be aesthetically identical in nature to the original design.

1.1.2 Project shall include the removal and replacement of the piers, abutments, substructure, decking, sidewalls, roofing, and aesthetic features.





## **2. Project Location and Background**

- 2.1 The bridge is located over the South Fork Indian Run across Coffman Park Drive from the Dublin Community Recreation Center (5600 Coffman Park Drive). The bridge is not located within a City of Dublin designated stream protection zone, although it is located within a delineated floodway, as shown on the Flood Insurance Rate Map for Franklin County and Incorporated Areas 39049C, panel 0132, effective June 17, 2008.
- 2.2 The existing covered bridge is approximately 45-feet in length and approximately 6-feet in width. The structure is approximately 8-feet in height with approximately 6.5' vertical clearance at entryways. The existing substructure is located approximately 1-foot above the normal water level of South Fork Indian Run.
- 2.3 The timber bridge exhibits several key aesthetic features including, but not limited to, the exposed truss design, shingle texture, wooden side supports, and timber abutments.
- 2.4 The intent of this project is to replace the existing covered pedestrian bridge as identical in nature as practicable, while adjusting for current best practices and standards. The Design Build Team (DBT) shall present notable discrepancies between the current bridge design and modern standards as RFIs for further confirmation and adjustment through the design process.
- 2.5 The intent is to preserve all existing trees surrounding the existing bridge. As a result, the proposed bridge may be permitted to shift as minimally as feasible to preserve existing trees.

## **3. Pre-Bid Meeting**

- 3.1 There will be no pre-bid meeting for this project

## **4. Pre-Bid Process**

- 4.1 All questions prior to the letting date shall be directed to:
  - 4.1.1 [jdmiller@dublin.oh.us](mailto:jdmiller@dublin.oh.us)
- 4.2 Deadline for accepting pre-bid questions will be 48 hours prior to the bid opening.

## **5. Contractor Pre-Qualification**

- 5.1 It is required that the bidder be a Contractor prequalified per ODOT C&MS 102.01, who has engaged the services of an ODOT pre-qualified Design Consultant to constitute the Design Build Team (DBT). The DBT shall perform all the design and construction work required in the Contract Documents. If the Contractor and Designer submitted do not meet all the required qualifications, the City of Dublin may reject the bid.

## **6. Design Consultant**

- 6.1 The DBT must name the Designer with the Bid submittal. The DBT must list prequalification categories for Designer to show that the prequalification requirements listed below are satisfied.
- 6.2 Consultant team
  - 6.2.1 ODOT prequalification categories: Level 1 Bridge Design, bicycle facilities and enhancement design, non-complex roadway, and waterway permits.
  - 6.2.2 <https://www.dot.state.oh.us/Divisions/Engineering/Consultant/Pages/firm-preq-list.aspx>
  - 6.2.3 Consultant shall have professional engineer on staff to sign and stamp the plans.

## **7. Scope of Work**

- 7.1 The DBT shall provide for the engineering services, design, and preparation of detail construction plans for the construction of the proposed project, furnishing of materials, construction, and completion in every detail of all the work described in the Contract Documents according to the City of Columbus construction and material specification. An Ohio Professional Engineer shall design and certify that the proposed structure, including timber decking and any other new wood members like railing posts and rails shall meet the current American Wood Protection Association (AWPA) and AASHTO standards.



- 7.2 City of Columbus material specification, current edition, and any supplements thereto shall govern all construction items unless otherwise noted.
- 7.3 **Detail of work tasks:**
- 7.3.1 Removal and disposal of the entire existing bridge structure, including, but not limited to, piers, abutments, substructure, decking, sidewalls, roofing, and aesthetic features
  - 7.3.2 Install new concrete bridge abutments and piers to support the proposed structure
  - 7.3.3 Construction of a new covered pedestrian bridge structure, including the following tasks:
    - 7.3.3.1 Structure shall be constructed exhibiting timber in the various elements including, but not limited to, roof, decking, railings, and sidewalls
    - 7.3.3.2 Bridge is expected to exhibit custom aesthetic features, but may be built from a modified base and substructure, with the intent to be aesthetically identical in nature to the existing structure
    - 7.3.3.3 Structure to be approximately 45-feet in length, following the approximate path of the existing NYROP covered bridge
    - 7.3.3.4 Bridge to exhibit minimum 42-inch railing height with openings on both sides of the bridge, with maximum allowable height of 48-inch above traveling surface
    - 7.3.3.5 Minimum interior height clearance of 8-feet at entryways, with maximum allowable clearance of 10-feet
    - 7.3.3.6 Minimum structure height of 10-feet from traveling surface to interior peak, with maximum allowable height of 12-feet
    - 7.3.3.7 The low chord elevation of the new structure is to be the same or higher than the existing structure.
    - 7.3.3.8 Minimum interior width of 6-feet, with maximum allowable width of 8-feet
      - 7.3.3.8.1 Chosen width shall be maintained for the full length of the proposed bridge
    - 7.3.3.9 A locking removable bollard shall be installed in the approach at both entryways, (two total). The key to the locking mechanism will be provided to the City at the completion of the project.
    - 7.3.3.10 Structure to feature key design / aesthetic elements identical in nature to the existing NYROP covered bridge, as approved by the City, including but not limited to:
      - 7.3.3.10.1 Interior exposed timber truss design
      - 7.3.3.10.2 Timber shingle texture along sidewalls and roofing
      - 7.3.3.10.3 Timber side supports
      - 7.3.3.10.4 Timber abutments, whether structural or solely aesthetic
- 7.4 Foundations shall be set in concrete
- 7.5 Appropriate scour protection shall be provided for piers and abutments per ODOT specifications.
- 7.6 A hydraulic analysis shall be performed to ensure the proposed structure does not result in an upstream or downstream rise in the South Fork Indian Run.
- 7.6.1 Hydraulic analysis shall be provided to the City in report and exhibit format and shall be stamped and signed by a professional engineer.
  - 7.6.2 Hydraulic analysis shall include up to 100-year event.
  - 7.6.3 Analysis shall assess the requirements for any additional permitting associated with the removal or reconstruction of the structure, piers, or any other required work.
  - 7.6.4 If a 401/404 or any other waterway permit is required as a part of this project, the DBT shall perform the permit process.
- 7.7 Contractor is permitted to work between 7:00 AM and 7:00 PM, Monday through Friday. Permission to work on Saturday, Sunday, and holidays must be requested in writing and approved by the City Engineer.
- 7.8 No NOI is required.

## **8. General Provisions**

- 8.1 DBT shall use the current editions of these design manuals as applicable:
- 8.1.1 City of Dublin Standard Drawings
  - 8.1.2 City of Dublin General Conditions Division 100



- 8.1.3 City of Columbus: Construction and Material Specifications
- 8.1.4 City of Columbus: Standard Drawings
- 8.1.5 Ohio Department of Transportation (ODOT): Construction and Material Specifications
- 8.1.6 ODOT: Location and Design Manual
- 8.1.7 ODOT: Bridge Design Manual
- 8.1.8 ODOT: Bridge Maintenance Manual
- 8.1.9 ODOT: Minimum Specifications for Aerial Photography and Mapping
- 8.1.10 ODOT: Specifications for Subsurface Investigations
- 8.1.11 Ohio Manual of Uniform Traffic Control Devices
- 8.1.12 AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges
- 8.2 The DBT shall ensure that the Project is constructed and maintained in accordance with all requirements, regulations, and applicable permits required for the Project. This includes the permits described herein and any additional permits not specifically identified in the Contract Documents.
- 8.3 The DBT shall be responsible for any fines levied by regulatory agencies because of their construction activities or non-compliance with any permit special or general conditions.
- 8.4 The intent of the RFP is to provide for the replacement of the existing bridge aesthetically in kind. Any discrepancies between the existing bridge aesthetics and the provided RFP shall be noted to the Engineer as an RFI for further confirmation. This RFP document shall supersede any discrepancies between the RFP and DBT proposal, unless written approval of changes is provided by the City Engineer.
- 8.5 Project is subject to a one-year guarantee / warranty period per Dublin General Conditions Division 100.

## **9. Design Specifications**

### **9.1 Design Loading:**

- 9.1.1 The decking shall be designed for pedestrian loading of 90 psf or vehicle loading of H5. The design shall conform to the LRFD Bridge Design Specification adopted by the American Association of State Highway and Transportation Officials, 9<sup>th</sup> Edition, 2020.

### **9.2 Materials:**

- 9.2.1 All wood shall conform to City of Columbus Specification 710.14 and 712.06. Wood components that have been reclaimed from use in another application will not be permitted. Wood components that meet material specifications listed but have been in storage for more than one year will also not be allowed. Any wood components that meet material specifications listed but are subsequently sawn down to meet plan component cross section dimensions, shall be pressure treated again after resizing prior to placement as shown on the plans. Upon completion of construction and when dry, water repellent sealer for wood shall be applied to all exposed wood surfaces.
- 9.2.2 All deck wood shall be white oak. All other wood shall be ACQ pressure treated southern pine. Members in contact with soil shall be rated for below grade use. All wood shall be #2 grade or better including approach railing members, bridge railing members, 2x6 decking, 4x12 joists, and 2x12 diaphragms and blocking.
- 9.2.3 The contractor shall provide certification that the wooden components supplied for the project meet or exceed the specifications contained herein. All anchor bolts, nuts, and studs shall conform to the physical properties of ASTM-A325, except that the elongation shall be 10%. The chemical properties are waived.
- 9.2.4 At the contractor's option, carriage bolts may be substituted for through bolts called for in the plans, provided the same diameter and material properties are utilized.
- 9.2.5 All hardware and accessories shall be rated for corrosion protection, for use in ACQ treated lumber. Galvanized fasteners shall conform to ASTM specification A153. Coated fasteners shall conform to ASTM B117.



## **10.Deliverables**

- 10.1 Flood plain analysis to be provided with the 50% plan submittal.
  - 10.1.1 Analysis shall detail existing and proposed floodplain boundaries and provide written description for the basis of modeling. Modeling shall be performed using either HEC-RAS or US EPA SWMM.
- 10.2 Complete set of construction drawings will be required.
- 10.3 All project documentation provided in electronic (PDF) format.
  - 10.3.1 A 10% "over the shoulder" review meeting is expected after field investigation and initial structure selection. DBT shall be prepared to discuss the anticipated dimensions, structure type, incorporation of key aesthetic design elements, materials, differences between proposed and existing, and any other noted concerns.
  - 10.3.2 50%, 90%, and 100% plans will be submitted to City staff for a 3-week review. Followed by a comment disposition meeting.
  - 10.3.3 DBT shall incorporate comments from Dublin in subsequent submittals.
- 10.4 The final plans will be prepared in 11-inchx17-inch format and one 22-inchx34-inch Mylar title sheet (four-mil, double mat), and will be provided to the City as a flattened PDF.
- 10.5 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2024 or later in DWG format.
- 10.6 At the completion of construction work, the DBT shall provide formal As-Built Construction Record-Drawing plans per City of Dublin requirements

## **11.Entry on Private Property**

- 11.1 The DBT, acting as The City's agent, may enter upon any lands within the City for the purpose of inspecting, surveying, leveling, digging, drilling, or doing any work deemed necessary in the execution of any survey authorized by the City of Dublin, Engineering Department in accordance with Section 5517.01 of the Ohio Revised Code and Section 102.6 (inclusive of Sections 102.61 through 102.66) of ODOT's Survey Manual. Prior to performing said survey, the DBT will send notification letters indicating the date and duration of entry to the affected property owners no less than forty-eight hours nor more than 30 calendar days prior to the date of entry for said survey in accordance with 102.6 of ODOT's Survey Manual. The DBT shall forward copies of all notification letters distributed to City's Project Manager. Any subsequent claims for compensation due to damages incurred while said survey was being performed will be negotiated between the DBT and the affected property owners with final approval from City's Project Manager. Crop and property damage minimization and reimbursement information, together with the crop damage reimbursement formula and Special Waiver of Damage form, will be provided to the DBT by City's Project Manager. Any subsequent entries onto private property for the purpose of obtaining additional survey or soil information prior to the submission of the bid will be made in accordance with the procedures outlined in this section.

## **12.Survey**

- 12.1 The DBT shall perform all surveying operations necessary to complete the design and construction including the preparation of As-Built Construction Record-Drawing plans as noted previously. All construction layout stakes for this project shall be provided by the Contractor.

## **13.Bridge Removal**

- 13.1 The DBT shall remain solely responsible for all aspects of safety, construction load impacted structural capacity, structural stability associated with bridge removal work. The DBT shall assume any and all risk and liability of surrounding and adjoining properties. For all vibrations influenced on adjoining properties, the DBT shall assess the need for and subsequently provide monitoring and control requirements, with sufficient accuracy, to determine any level of repairs necessary to the surrounding and adjoining properties. Any repairs necessary, or indemnification alternatively agreed upon by a subjected adjoining property owner, will be the responsibility of



the DBT. Before construction equipment is mobilized over or operated on the existing bridge, the DBT shall analyze the capacity of the bridge to ensure it is structurally adequate for all loads induced by the equipment.

#### **14.Subsurface Utilities Location**

14.1 (SUL): \_\_\_\_\_ YES \_\_\_\_\_ ☒ X \_\_\_\_\_ NO

#### **15.Maintenance of Pedestrian Access**

15.1 The DBT shall provide 30 calendar days' notice to the City prior to closure of the pedestrian bridge and surrounding area. The DBT shall install closure notice signs 10 calendar days in advance of closure and maintain the temporary closure devices during the entire duration of the construction.

#### **16.Prevaling Wage**

- 16.1 Bidder IS required to comply with all applicable Ohio Prevailing Wage requirements and labor laws for this project.
- 16.2 The determination of the prevailing rates of wages of mechanics and laborers in accordance with section 4115.05 of the Revised Code for the class of work called for by the Project, in the locality where the work is to be performed, shall be attached to and made part of the Contract Documents.
- 16.3 The Contractor must pay at least the wage rates subsequently listed in the Wage determinations. The Contractor must submit properly executed copies of the Contractor's and subcontractor's payrolls to the City's Prevailing Wage Coordinator in accordance with the requirements of Section 4115.071 of the O.R.C. Payroll records shall be kept current as failure to do so will delay the Owner's approval for payment of any pending estimates.

#### **17.Plan Submittals and Review Requirements**

- 17.1 Plan Components: All plans shall be developed in AutoCAD 2018 or later. Plans submitted by the DBT shall be in conformance with the City's standards – see the City's website for additional guidelines.
- 17.1.1 **Minimum Plans Required**
- 17.1.1.1 General Plan
  - 17.1.1.2 General Notes
  - 17.1.1.3 Deck Plan
  - 17.1.1.4 Bridge Transverse Section
  - 17.1.1.5 Abutment Details
  - 17.1.1.6 Railing Details
  - 17.1.1.7 Roofing Details
  - 17.1.1.8 Erosion and Sediment Control Plan
- 17.2 Plans Review Distribution: The DBT shall supply one (1) electronic plan file (PDF file) with the design documentation to the City Project Manager for distribution within the Department. The Department shall have 15 workdays from receipt to review complete submissions. The following are excluded as Workdays: State Holidays, Federal Holidays, Saturdays, Sundays, the Friday after Thanksgiving, Christmas Eve, and the days between Christmas and New Year's Day. Following the review, the Department shall return to the DBT marked plans noted 'ACCEPTED', 'ACCEPTED AS NOTED' or 'NOT ACCEPTED' as described in section 105.02 of the Construction and Material Specifications.
- 17.3 After the review comments for the 50% and 90% review submissions have been complied with, and following approval of the design documentation, the DBT shall prepare plan sets for use during construction. All review comments shall be resolved in writing by the DBT to the satisfaction of the City before the DBT submits the construction plans. Each plan sheet shall have its last revised date noted on the sheet and clearly marked 'Approved For Construction'. The



'Approved For Construction' plan set shall be signed, dated and sealed by a Professional Engineer. Physical construction shall not begin until the plans marked 'Approved For Construction' are delivered to the City. No time extensions will be approved by the City if the plan distribution is not completed and project delays occur as a result.

## **18.Completion Dates**

- 18.1 Construction of the bridge is to occur in 2025. Once access to the area has been closed for construction, work is to be substantially completed within ninety (90) calendar days of closing and re-opened.
- 18.2 Construction shall be completed with the trail re-opened to public access no later than November 28, 2025.

## **19.Project Contact**

**Joshua Miller, P.E.**

Civil Engineer II

City of Dublin, Ohio

Division of Engineering

6555 Shier Rings Road

Dublin, OH 43016

614.410.4621

[jdmiller@dublin.oh.us](mailto:jdmiller@dublin.oh.us)

## **20.Selection Process**

- 20.1 Selection of a Design Build Team (DBT) for this project will follow a competitive quality based selection process that includes an evaluation of technical qualifications, project team and relevant experience, reference projects, prior experience with the City of Dublin, and price.
- 20.2 Teams shall provide a Technical Proposal including a Price Proposal. The Technical Proposal will address the design, construction, quality and duration of the project. Technical Proposal scoring will be weighted heavily on meeting and exceeding the Request for Proposal (RFP) requirements and objectives in a beneficial way that provides a consistently outstanding level of quality. The Price Proposal will include the cost of all work proposed to be completed per the contract documents and Technical Proposal.
- 20.3 At a minimum, the Technical Proposal shall include:
  - 20.3.1 Firm Qualifications
  - 20.3.2 Project Team and Relevant Experience
  - 20.3.3 Reference Projects
  - 20.3.4 ODOT Prequalification
  - 20.3.5 Project Understanding
  - 20.3.6 Project Approach
  - 20.3.7 Schedule and Time of Completion
  - 20.3.8 Price Proposal including a breakdown by tasks and milestone dates
- 20.4 The City of Dublin reserves the right to accept or reject any or all proposals, to waive any informalities or irregularities in the selection process and to enter into a contract with the bidder whom, in its opinion, offers the best proposal.

## **21.Proposal Deadline**

- 21.1 Contractor shall provide detailed proposal no later than November 26th, 2024 at 12:00 PM, local time, to the contact person listed above. Proposals shall be submitted electronically to the City Project Contact. The proposal shall include all design, construction, labor (based on prevailing wage), equipment, and materials to complete the project.



## 22. Basis of Payment

22.1 Payment for the contract shall be provided based on a Milestone Payment approach following the City's receiving and accepting of deliverables as noted below. DBT shall submit invoices to the City per the below schedule following the City's acceptance of deliverables at each milestone.

	Milestone	Deliverable	Acceptance Criteria	Payment
Milestone 1	50% Design	50% Design Plans Floodplain Analysis	Approval by City to proceed with 90% plan design.	20% of fee (20% cumulative)
Milestone 2	100% Plan Approval	90% Design Plans 100% Design Plans	Plans approved and signed by City Engineer / Director of Engineering.	30% of fee (50% cumulative)
Milestone 3	Substantial Completion	Structure construction has substantially been completed.	Substantial completion of structure has been approved by City. Punch List has been provided.	40% of fee (90% cumulative)
Milestone 4	Construction Acceptance	Structure Completion and Re-Opening to Public	Completion and Acceptance by City of all Punch List items.	10% of fee (100% cumulative)

## 23. Index of Attachments

- 23.1 Attachment A: Bridge Aerial Location Map
- 23.2 Attachment B: DBT Qualification Form
- 23.3 Attachment C: Dublin Bridge Site Observations
- 23.4 Attachment D: Bid Form



Maximum of  
5 pedestrians  
on bridge at  
a time.  
**No motorized  
vehicles  
permitted.**

































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