CONSULTANT SERVICES BULLETIN WINTER 2022

Bulletin Overview

The City of Dublin is conducting a competitive quality based consultant selection process for professional consulting firms to undertake a variety of projects for the Divisions Engineering and Transportation & Mobility. Consultant selection will occur through a two-step process. Submission 1 Statements of Qualifications can be submitted by any team. Based on the evaluation of Submission 1, the City will short-list and invite individual teams to provide Submission 2 Proposals on specific projects.

Meeting Announcement:

City of Dublin staff will host a hybrid in-person and virtual meeting to review the Bulletin process and projects, with time allowed for discussion and questions. The recorded meeting will be posted on the City's website. Meeting Details:

Date:	November 22, 2022
Time:	10:30 a.m. – 12:00 p.m.
Location:	Service Center Training Room, 6555 Shier Rings Road, Dublin, Ohio 43016
Virtual Link:	https://bit.ly/DublinWinter2022Bulletin

Submission 1: Statement of Qualifications – 10 page limit

- Cover Letter
- Firm Qualifications
- Project Team and Relevant Experience
- Reference Projects
- References
- ODOT Prequalification

Due Date:	2:30 p.m., December 6, 2022
Submit To:	Teresa Moore City of Dublin, Division of Transportation & Mobility 6555 Shier Rings Road, Dublin, OH 43016 temoore@dublin.oh.us
Email Subject:	SOQ – Consultant Services Bulletin Winter 2022
Page Limit:	10 pages (10-page PDF, inclusive of cover letter and all content, except for the ODOT Prequalification Certificates)

The SOQ will be valid for one year. Only one SOQ per firm will be accepted. A new SOQ or cover letter with an affidavit indicating no changes to the previous SOQ shall be submitted with any future Bulletins. The Statement of Qualifications shall be submitted electronically, via email or USB flash drive. The submission must be compatible with Adobe Acrobat, in a single file, and be formatted to print on standard office paper sizes. No pages shall be larger than 8.5x11, and no less than a 10 point font. All material submitted in accordance with this request becomes property of the City and will not be returned.

Electronic submissions are required, but staff will not troubleshoot any printing issues (no changes to formatting, missing fonts, etc). If we cannot print the electronic file in-house, the City will request hard copies from the consultant during the review process.

Cover Letter
Please indicate which project types (by ODOT Prequalification, if applicable) and specific projects within this Bulletin you are interested in pursuing. Please include the Division (Engineering or T&M), Project Number, and Project Name in the projects list, as referenced in this Bulletin.

Firm Qualifications
Provide the competence of the firm to perform the required services as indicated by its background and experience on similar projects. Qualifications include firm's size and availability of personnel, subconsultant(s) availability, current workload, equipment and facilities.

Project Team and Relevant Experience
Provide the name, technical qualifications, training, education, and experience of the offeror's personnel who would be assigned to perform the work on the consultant and subconsultant teams, including: project principle, project manager/engineer, engineers, technicians and any other key personnel. Only include those individuals who will actually be involved in the project and assisting in the performance of the work. Indicate which team members would be assigned to each Bulletin project.

Reference Projects
Consultant should list and describe at least three (3) projects that best demonstrate their experience on similar projects and additionally provide the Estimated Cost and the Final Cost of each project.

References
Provide reference names and contact information from agencies where key project members have prior relevant experience. Considerations of past performance include quality, responsiveness, timeliness, and cost of work previously performed and completed for the City or other municipalities.

ODOT Prequalification
Provide the Certificate for any relevant ODOT Prequalification currently held. These are not included in the page count.

SOQ Evaluations and Short-List Invitations:

City of Dublin staff will review the Statements of Qualifications, short-list firms, and invite individual teams to submit proposals on specific projects.

Submission 2: Proposal – 5 page limit

- Project Team
- Project Understanding
- Project Approach
- Schedule and Time of Completion

By Invitation Only
Due Date: Specified in the invitation
Submit to: Specified in the invitation
Email Subject: PROPOSAL – Division (Engineering or T&M), Project Number, and Project Name
Page limit: 5 pages (5-page PDF, inclusive of all content)

The Proposal shall be submitted electronically, via email or USB flash drive. The submission must be compatible with Adobe Acrobat, in a single file, and be formatted to print on standard office paper sizes. Proposals shall be on

8.5”x11” paper, only exhibits and charts can be on 11”x17” paper. No pages shall be larger than 11”x17,” and no less than a 10 point font shall be used. All material submitted in accordance with this request becomes property of the City and will not be returned.

Electronic submissions are required, but staff will not troubleshoot any printing issues (no changes to formatting, missing fonts, etc). If we cannot print the electronic file in-house, the City will request hard copies from the consultant during the review process.

Project Team:
Reference the SOQ for team members and experience. The SOQ should not be repeated, if there are no team member changes anticipated. Note any updates from the SOQ in the Proposal, or affirm the SOQ by reference.

Project Understanding:
Provide the team’s statement of understanding for the project.

Project Approach:
Provide the team’s project approach to cover all elements of the project through the final deliverable.

Schedule and Time of Completion:
Provide a detailed project schedule, including dates for key tasks, milestones, and the overall completion date. The team must demonstrate the ability to meet their proposed schedule. Affirm that time is of the essence regarding the execution of the project and accepts the City’s commitment to have completed the project based on the timeline established in the Project Description.

Proposal Evaluations and Final Invitations:

City of Dublin staff will review the Proposals and invite the preferred consultant team to submit proposed project hours and fee.

Establish Hours and Fee:
The City will request a breakdown of hours and fee by task and team role from the preferred consultant on each project. The response must be submitted to the City within two (2) weeks or less of the request. All professional services will be provided on a cost plus fixed fee basis. The proposed hours will be based on completion of the report no later than the completion date provided in Section 3 of the Project Descriptions.

If agreement cannot be reached on hours and fee with the preferred consultant on any project, the City will dismiss the Proposal submitted by this consultant, and this team will no longer be eligible to perform the project. The City will request a breakdown of hours and fee by task and team role from an alternate proposal team, based on the Proposal evaluations. This process will be repeated until agreement can be reached.

Project Descriptions, Deliverables, and Time of Completion

Engineering Division Projects:

Engineering Project 1 – Shier Rings Road: Eiterman to Cosgray Shared-Use Path

1. **PROJECT DESCRIPTION**

1.1 Perform detailed design of 1730 feet of eight-foot asphalt shared-use path on the south side of Shier Rings Road from Eiterman to Shier Lane.

1.1.1 The western limit of the proposed shared-use path is approximately 55 feet east of Lockroy Drive (the drive immediately to the east of Eiterman on the south side of Shier Rings Road in the image below) and is to connect to a path currently in construction through a residential development. The right side of the proposed path connects to the existing path approximately 230 feet east of Shier Lane.

1.2 Meetings: Kick-off meeting (in-person), plan submittal comment disposition meetings (virtual), R/W acquisition meeting (virtual), plus two (2) additional in-person meetings.

1.3 A Tree survey will be necessary for any trees (over 3 caliper inches) within the project area identifying species, caliper, and health.

1.4 Impacts to trees, drainage, public utilities, private utilities, etc. shall be assessed and solutions are to be detailed in the design process.

1.5 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPA requirements.

1.6 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.

1.7 Consultant will obtain existing private utility information within project areas.

1.8 Consultant is required to coordinate the detailed design of the project with all public and private utilities within the project area. Consultant shall submit profess plans to utility providers for their comment and coordinate any relocation of utilities that may be necessary.

1.9 Coordination with the Township will be required for the project.

1.10 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the OEPA.

1.10.1 Permit fees will be paid by the consultant and reimbursed by the City.

1.11 Provide project control. Set permanent benchmarks.

1.12 Property impacts: Three (3) right of way acquisitions and nine (9) temporary construction easements are anticipated with this project.

2. DELIVERABLES

2.1 Complete set of construction drawings will be required for the two projects

2.2 All project documentation provided in electronic (PDF) format.

- 30%, 60% and 90% plans and Engineer's estimates will be submitted to City staff for a 3-week review. Followed by a comment disposition meeting. Milestone date to be presented in proposal by consultant.

2.3 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.4 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat).

2.5 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2022 or later in DWG format.

3. TIME OF COMPLETION

3.1 All construction plans are to be completed by **August 25, 2023**.

3.2 Acquisitions (legal descriptions and exhibits submitted) must all be submitted by **April 3, 2023**.

3.3 Consultant to determine other project milestones.

4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Jared Groves, P.E.
Civil Engineer II
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4625
Jgroves@dublin.oh.us

Engineering Project 2 – Annual Pedestrian Bridge Maintenance 2023/2024 Project

1. PROJECT DESCRIPTION

1.1 City of Dublin (City) Engineering staff is seeking consultant services for design services needed to direct work to maintain the City's pedestrian bridges. The City has recently reviewed and updated the bridge inventory. This Request for Proposal is for design services for the bridges identified for maintenance activities in 2023 and 2024.

1.2 Bridges #1 and #2 are scheduled to be rehabilitated or replaced in 2023 with a construction budget of $107,000. Bridges #3 and #4 are scheduled to be rehabilitated or replaced in 2024 with a construction budget of $150,000.

1.2.1 Individual construction plan sets shall be completed for each bridge.

1.3 The initial assessment for bridge #1 is to replace a 16 foot long, 130 square foot wooden pedestrian bridge and corresponding railing, in kind, utilizing existing abutments if possible. Verify railing conformance to requirements.

1.4 The initial assessment for bridge #2 is to replace a 15 foot long, 120 square foot wooden bridge's deck boards and railing. Rehabilitation or replacement of the abutment and stringers should be a consideration as well as possibly a complete replacement of bridge structure.

1.5 The initial assessment for bridge #3 is to replace the 40 foot long, 480 square foot wooden bridge's deck boards, and railing and paint structural beams per City of Columbus specifications.

1.6 The initial assessment for bridge #4 is to replace 51 foot long, 560 square foot wooden bridge's deck boards, railing, and stringers. The remaining structure appears to be in good condition.

1.7 Consultant shall verify the initial assessments and provide detailed recommendations for each bridge location.

1.7.1 The recommendations shall include a cost benefit analysis for various options outside of the City's initial assessment that would include investigating different material types, varying levels of rehabilitation up to a complete replacement, and also future anticipated maintenance cost considerations.

1.7.2 Multiple bridge designs should be contemplated that would better serve the community aesthetically and from a safety standpoint.

1.7.3 Adjacent pathways to the bridge structures shall be evaluated for safety at the threshold of the bridges.

1.7.4 Consultant shall evaluate any erosion issues in the vicinity of the bridge and provide mitigation recommendations.

1.8 Consultant shall schedule a field review meeting to visit each bridge location and examine existing conditions. Field survey information will be obtained as necessary for design and plan implication based on choice final decision of preferred bridge improvement. As necessary, geotechnical borings shall be provided (minimum 2 per bridge replacement location)

1.9 Consultant to follow City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.

1.10 Meetings: Kick-off meeting (in-person), 2 plan submittal comment disposition meetings (virtual).

1.11 The City of Dublin will prepare all additional bidding documents and bid the construction projects. Consultant will assist the City with answering questions during the bidding and construction period and attend the pre-construction meeting.

1.12 Consultant shall prepare an Erosion and Sediment Control Plan, as necessary, to meet all City of Dublin and OEPA requirements.

1.13 Consultant will obtain existing private utility information within the project areas.

1.14 Consultant is required to coordinate the detailed design of the project with all public and private utilities within the project area. Consultant shall submit progress plans to utility providers for their comment and coordinate any relocation of utilities that may be necessary.

1.15 All bridge designs, where applicable, shall hydraulically be designed and documented to have a no rise condition in affected floodways and conform to the City of Dublin Stormwater Design Manual.

1.16 Consultant shall be required to obtain any required regulatory agency approvals and permits.

1.16.1 Permit fees will be paid by the consultant and reimbursed by the City.

2. DELIVERABLES

2.1 Complete set of construction drawings will be required for the individual bridge projects including detailed technical specifications, title sheet, details, grading, erosion control, pedestrian detour signage plan and quantity estimates etc.

2.2 Final Engineer's construction cost estimate for each structure.

2.3 All project documentation is to be provided in electronic (PDF) format.

2.4 Preliminary recommendation report of findings and recommendations including cost benefit analysis.

2.5 50% and 90% plans and Engineer's estimates will be submitted to City staff for a 3-week review. Followed by a comment disposition meeting. Milestone dates to be presented in proposal by consultant.

2.6 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.7 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat) per construction plan set.

2.8 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2022 or later in DWG format.

3. TIME OF COMPLETION

3.1 Construction plans for bridges 1 and 2 shall be completed by April 28, 2023.

3.2 Construction plans for bridges 3 and 4 shall be completed by December 8, 2023.

4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Chris Huber, P.E.
Civil Engineer II – Design & Construction
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4641
chuber@dublin.oh.us

ANNUAL PEDESTRIAN BRIDGE MAINTENANCE 2023/2024 PROJECT LOCATIONS

*Thaddeus Kosciuszko Park- Bridge #**1***

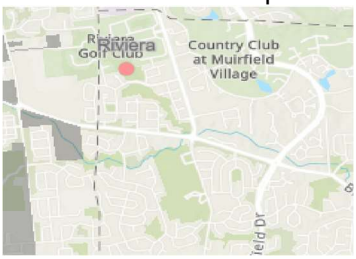
The bridge is located within the City of Dublin stream protection zone.

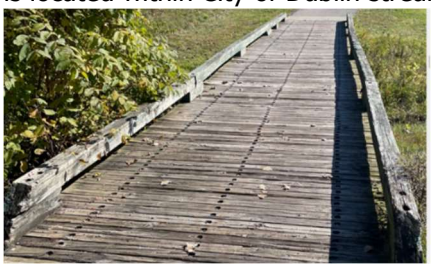
*West of Bellfield Drive-Adjacent to Liewellyn Farms Park- Bridge #**2***

The bridge is located within the City of Dublin stream protection zone.

*Riviera Park- Bridge #**3***

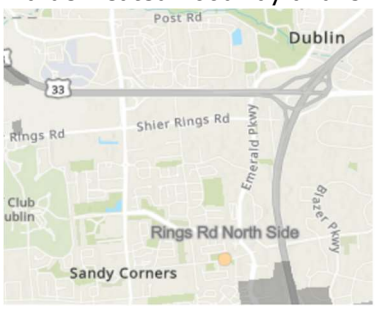
The bridge is not located within a delineated floodplain and is located within City of Dublin stream protection zone.

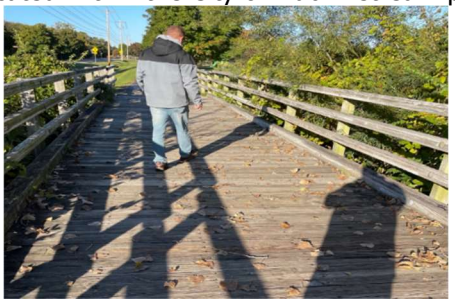




*Trinity Park-North of Rings Rd. - Bridge #**4***

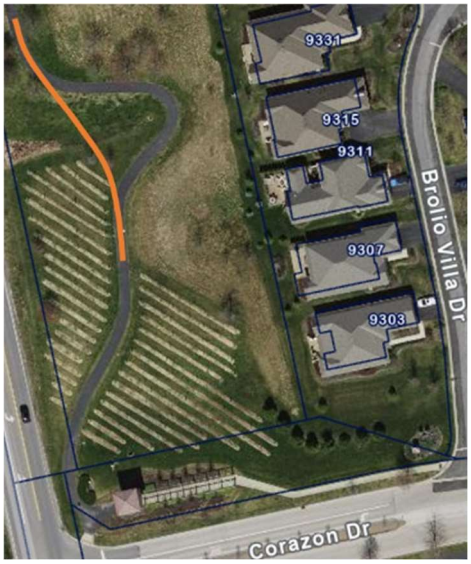
The bridge is located within a delineated floodway and is located within the City of Dublin stream protection zone.





Engineering Project 3 – Mobility Infrastructure Improvements Program 2023

1. PROJECT DESCRIPTION



1.1 Perform detailed design of two locations for mobility improvements.

1.2 Project 1: Hyland-Croy Shared-Use Path – North of Corazon – this project will realign and/or reconstruct approximately 250 feet of 8-foot asphalt shared-use path and installation of a pedestrian bridge adjacent to Hyland-Croy Road to correct a safety concern.

1.2.1 Consultant is to decide if a drainage culvert and embankment modifications will accommodate the new path or if a continental style pedestrian bridge is required.

1.2.2 Project acquisition will not be needed for this project as it is located within property owned by Dublin.

1.3 Project 2: 6400 Block of Sawmill Road: This project will address the only remaining gap in pedestrian facilities in the 6400 block along Sawmill Road located at 6477 Sawmill Road.

1.3.1 This project will realign and/or reconstruct approximately 100 feet of 5 foot concrete sidewalk to fill the gap in pedestrian facilities. Bus stops are located nearby and are directly served by this connection. Utilities may be impacted and may need to be relocated.

1.3.2 Property acquisition is likely for a Shared-Use Path/Sidewalk easement.

1.4 Meetings: Kick-off meeting (in-person), plan submittal comment disposition meetings (virtual), R/W acquisition meeting (virtual), plus two (2) additional in-person meetings. Bi-weekly progress updates with City Staff will be necessary submitted via email.

1.5 A Tree survey will be necessary for any trees (over 3 caliper inches) within the project area identifying species, caliper, and health.

1.6 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPS requirements

1.7 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.

1.8 Geotechnical borings will be required at the pedestrian bridge abutments if selected.

1.9 Consultant will obtain existing private utility information within the project areas.

1.10 Consultant is required to coordinate the detailed design of the project with all public and private utilities within the project area. Consultant shall submit progress plans to utility providers for their comment and coordinate any relocation of utilities that may be necessary.

1.11 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the OEPA.

1.11.1 Permit fees will be paid by the consultant and reimbursed by the City.

1.12 Provide project control. Set permanent benchmarks.

1.13 Property Impacts: One (1) right of way/easement acquisition is anticipated for this project.

1.14 Consultant will include "if authorized" costs for pedestrian bridge shop drawing review, and a small quantity for on-going construction services.

2. DELIVERABLES

2.1 A Complete set of construction drawings (2) will be required for each of the two projects

2.2 All project documentation provided in electronic (PDF) format.

- 30%, 60% and 90% plans and Engineer's estimates will be submitted to City staff for a 3-week review. Followed by a comment disposition meeting. Milestone date to be presented in proposal by consultant.

2.3 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.4 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat).

2.5 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2022 or later in DWG format.

3. TIME OF COMPLETION

3.1 Project 1 construction plans are to be completed by June 15, 2023.

3.2 Project 2 construction plans are to be completed by November 17, 2023.

3.3 Consultant to determine the dates for other project milestones.

4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Brian Gable, P.E.
Deputy Director of Engineering – Design & Construction
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4641
bgable@dublin.oh.us

Engineering Project 4 – Deer Run Sanitary Sewer Improvements – Glick Road Relief Sewer Preliminary Alignment and Design

1. PROJECT DESCRIPTION

1.1 Evaluate and determine the preliminary preferred alignment and preliminary design for the Deer Run – Glick Road Relief Sewer project.

1.1.1 The project will design a relief sewer from a point near the intersection of Carnousite Drive and Glick Road to the Deer Run Lift Station along Dublin Road between the intersection with Glenaire Drive and Reserve Drive (See Figures 1 and 2 below).

1.1.2 The initial recommended improvement is estimated to require a 30" pipe to provide storage capacity with a 6 – inch outlet and overflow weir.

1.1.3 The preliminary design shall determine the sanitary sewer sizing by capacity analysis, design alignment, and depths.

1.1.4 Consultant to analyze and confirm sufficient downstream capacity of existing sanitary sewer.

1.2 The consultant will consider and make recommendations for project phasing and incorporate into the preliminary design and alignment.

1.3 Meetings: Kick-off meeting (in-person), plan submittal comment disposition meetings (virtual), R/W acquisition meeting (virtual), plus four (4) additional in-person meetings.

1.4 If authorized: Public information consultant will assist in public information meetings (up to two meetings) with up to three exhibits per meeting.

1.5 Field survey will be necessary to collect topographic data and to locate all existing elements within the project boundary, including but not limited to; existing watermain, water valves, water services, curb stops, other private utilities through OUPS markings, trees/landscaping elements, curbing, sidewalks, shared use paths, and any other necessary elements found in the field.

1.6 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.

1.6.1 The preliminary design shall be in compliance with the Ohio EPA and the City of Columbus Sanitary Sewer Design Manual.

1.7 Geotechnical borings will be required along the sewer alignment a maximum of 500 feet apart. If bedrock is encountered within the planned depth of the sanitary sewer, the consultant will increase borings to be a maximum of 250 feet apart until bedrock is no longer encountered. Increased borings will be an if authorized quantity.

1.8 Consultant will obtain existing private utility information within the project areas.

1.9 Identify any areas that would require temporary or permanent easements.

1.9.1 Alignments will strive to reduce the need for easement and utility relocation to a minimum.

1.10 Prepare a preliminary Maintenance of Traffic plan.

2. DELIVERABLES

2.1 Complete set of preliminary design drawings including recommended alignment

2.2 All project documentation provided in electronic (PDF) format.

- 30%, 60% and 90% alignment and preliminary design submittals along with preliminary programming level Engineer's estimates (for 60% and 90%) will be submitted to City staff for a 3-week review. Followed by a comment disposition meeting. Milestone date to be presented in proposal by consultant.

2.3 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.4 Geotechincal borings report.

2.5 All necessary modeling and design calculations shall be submitted with each submittal.

2.6 Final sanitary sewer preliminary design report in 8.5x11in format with graphics not exceeding 11x17 inches in PDF format.

2.7 The final plans and will be prepared in 11x17 format and one 22"x34" paper format.

2.8 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2022 or later in DWG format.

3. TIME OF COMPLETION

3.1 All plans are to be completed by October 31, 2023.

3.2 Consultant to determine other project milestones.

4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

C. Aaron Stanford, P.E.
Deputy Director of Engineering – Utilities
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4676
astanford@dublin.oh.us

Figure 1 – Deer Run Sanitary Improvements

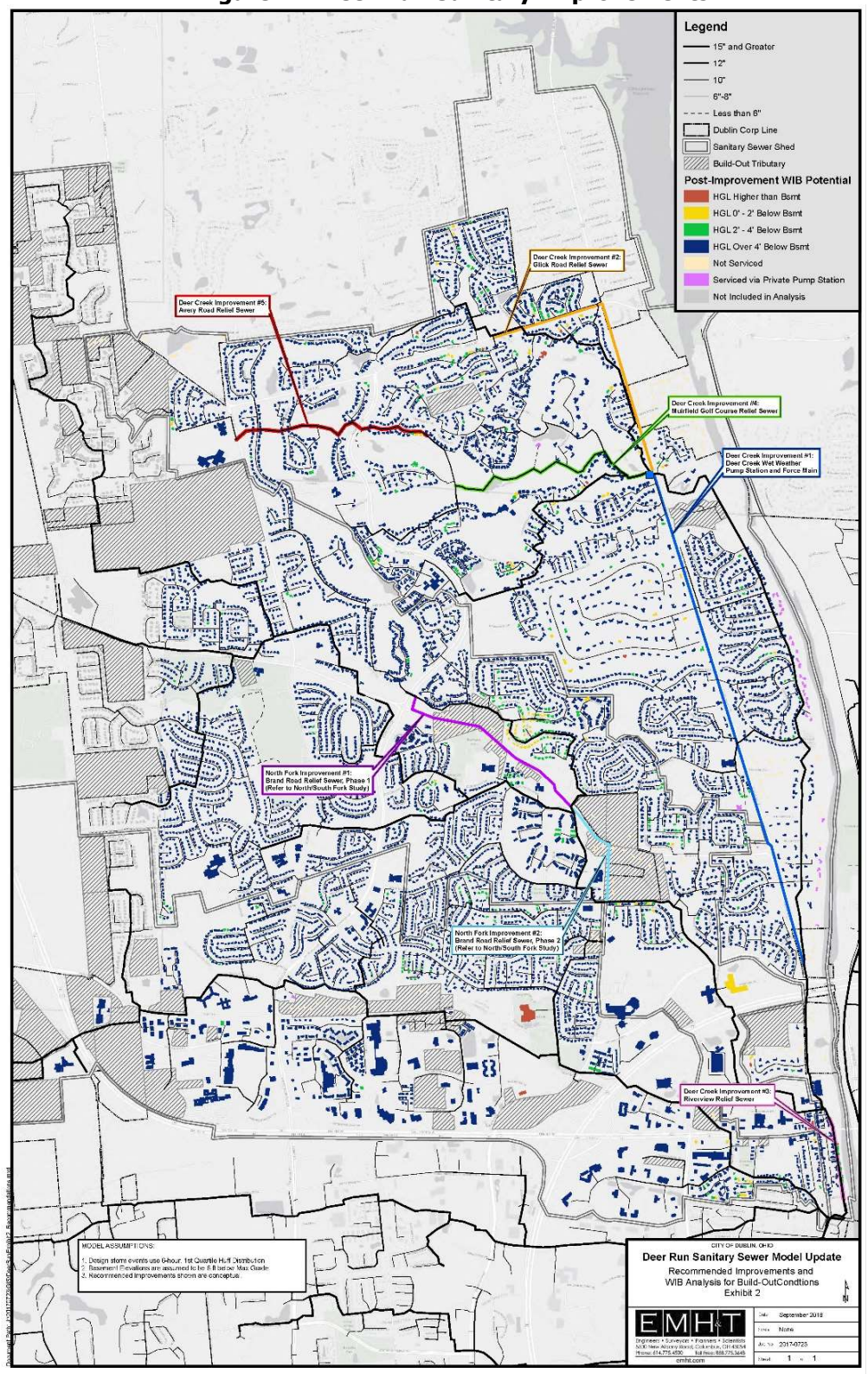
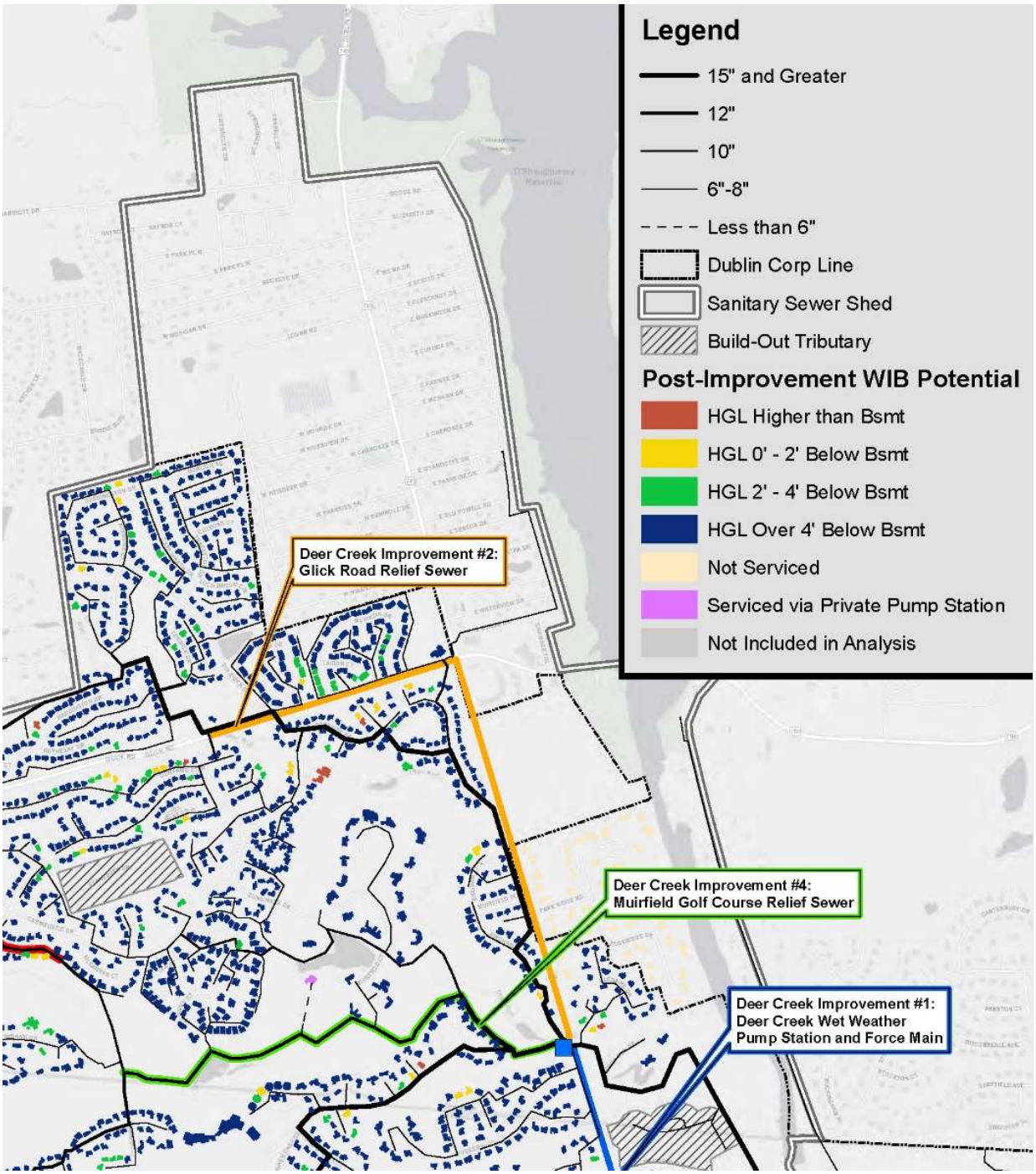


Figure 2 – Deer Run – Glick Road Improvements



Engineering Project 5 – Various Stormwater Improvements

1. PROJECT DESCRIPTION

1.1 Project will address ponding on the public roadway and at public side- and rear-lot structures near 6300 and 6292 Memorial Drive.

1.2 Project will be completed in two phases.

1.2.1 Phase I will consist of an analysis of the watershed to identify causes of the existing storm system's capacity issues and alternatives for remediating said issues.

1.2.2 Phase II will consist of detailed design solutions and plan preparation for mitigating ponding.

1.3 Consultant will analyze the storm sewer system local to the project area (geometry, sizing, control, etc.), the pond southeast of the intersection of Avery Road and Memorial Drive (release rates, flood stages, control, etc.), and the entire tributary area to this section of Memorial Drive.

1.4 Consultant will model existing conditions for the 1-, 2-, 5-, 10-, 25-, 50-, and 100-year design storm events using rainfall depths and distributions in the City's Stormwater Design Manual.

1.5 The City will provide record plans and GIS data upon request. Consultant will supplement, as needed, with field verification and survey.

1.6 Coordination with landowners: private property impacts must be coordinated with affected landowners.

1.7 Meetings: Kickoff (virtual), plan submittal comment disposition meetings (virtual), bi-weekly status meetings (virtual), up to one virtual public involvement meeting (exhibits and renderings included).

1.8 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design.

1.9 Consultant is required to coordinate the detailed design of the project with all public and private utilities within the project area. Consultant will obtain existing private utility information within the project area.

1.10 Property impacts: Acquisition of permanent drainage easements are anticipated for this project.

2. DELIVERABLES

2.1 Phase I deliverables include a watershed analysis report with findings and recommendations for alleviating ponding issues, as well as a preliminary construction cost estimate to guide project funding.

2.2 Phase II deliverables include 30%, 60% and 90% plans, easement exhibits and legal descriptions, and Engineer's estimates (estimates to include all project costs, including but not limited to, easement acquisition and maintenance of traffic costs). Plans will be submitted to City staff for a 3-week review. Followed by a comment disposition meeting. Milestone date to be presented in proposal by consultant.

2.3 All project documentation provided in electronic (PDF) format.

2.4 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.1 The final plans will be prepared in 11"x17" format and one 22"x34" Mylar title sheet (four-mil, double mat).

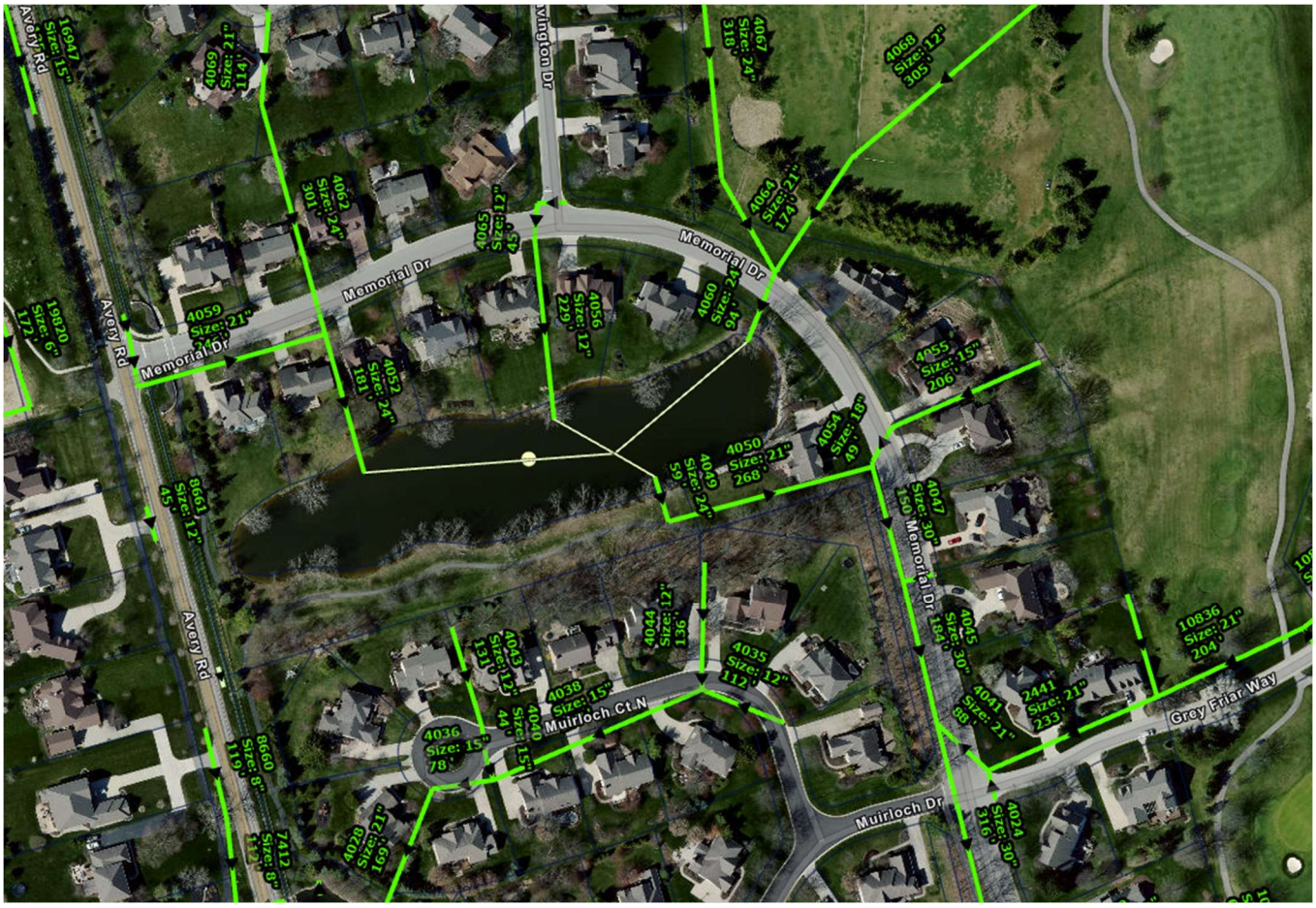
2.2 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2022 or later in DWG format.

3. TIME OF COMPLETION

3.1 Phase I is to be completed by April 13, 2023.

3.2 Phase II is to be completed by November 16, 2023.

3.3 Acquisitions (legal descriptions and exhibits), if necessary, must all be submitted by June 9, 2023.



4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Mason Hughes
Engineering Technician I
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4734
mhughes@dublin.oh.us

Engineering Project 6 – Sanitary Sewer Capacity Analysis – Western Growth Area

1. PROJECT DESCRIPTION

1.1 The study will analyze the sanitary sewer capacity of the South Fork Indian Run Sewershed.
1.2 The consultant will provide a detailed report to the City of Dublin that will determine the remaining capacity of the existing infrastructure for undeveloped areas.
1.3 An analysis of the remaining undeveloped land will be performed to provide guidance on remaining sanitary sewer capacity with up to three (3) growth scenarios.
1.3.1 Coordinate with the City of Dublin's Planning Department and Department of Economic Development to determine land use scenarios and growth patterns.
1.4 The limits of the analysis for the western growth area should extend to areas with the South Fork Indian Run Sewershed (see Figure 1) to the Madison Countyline.
1.4.1 Areas already served by Marysville should be excluded from any future growth scenarios or planning for this sanitary system analysis.
1.5 Meetings: Kick-off meeting (in-person or virtual), Status meetings (virtual or in-person) will also be held once every two weeks, plus two (2) additional in-person meetings.
1.6 The City will provide aerial mapping, available utility and roadway plans, upon request. Consultant will supplement as needed with field verification.
1.7 The Consultant will identify any limitations of the existing system including, but not limited to: depth of sanitary sewer, size of existing trunk sewer, constricting pipe segments, poor existing alignments, and any other known factors.
1.8 Analysis will be provided and summarized for each growth scenario.
1.9 Illustrations and graphics will be important to convey the intent and findings of the study.
1.10 Graphics, layouts, and detailed descriptions will be developed for each growth scenario.

2. DELIVERABLES

2.1 Final study data for all growth scenarios in 8.5x11" format with graphics not to exceed 11x17" also in PDF format.
2.2 Conclusions and final recommendations that are supported by the study will be prepared and incorporated into a summary report.
2.3 All supporting modeling and calculation shall be submitting in electronic format.
2.4 Consultant to provide a draft report at 30% and 60% completion to the City staff for review prior to submission of the final report.
2.5 A 90% complete report will be submitted to the City staff for review prior to submission of the final report.

3. TIME OF COMPLETION

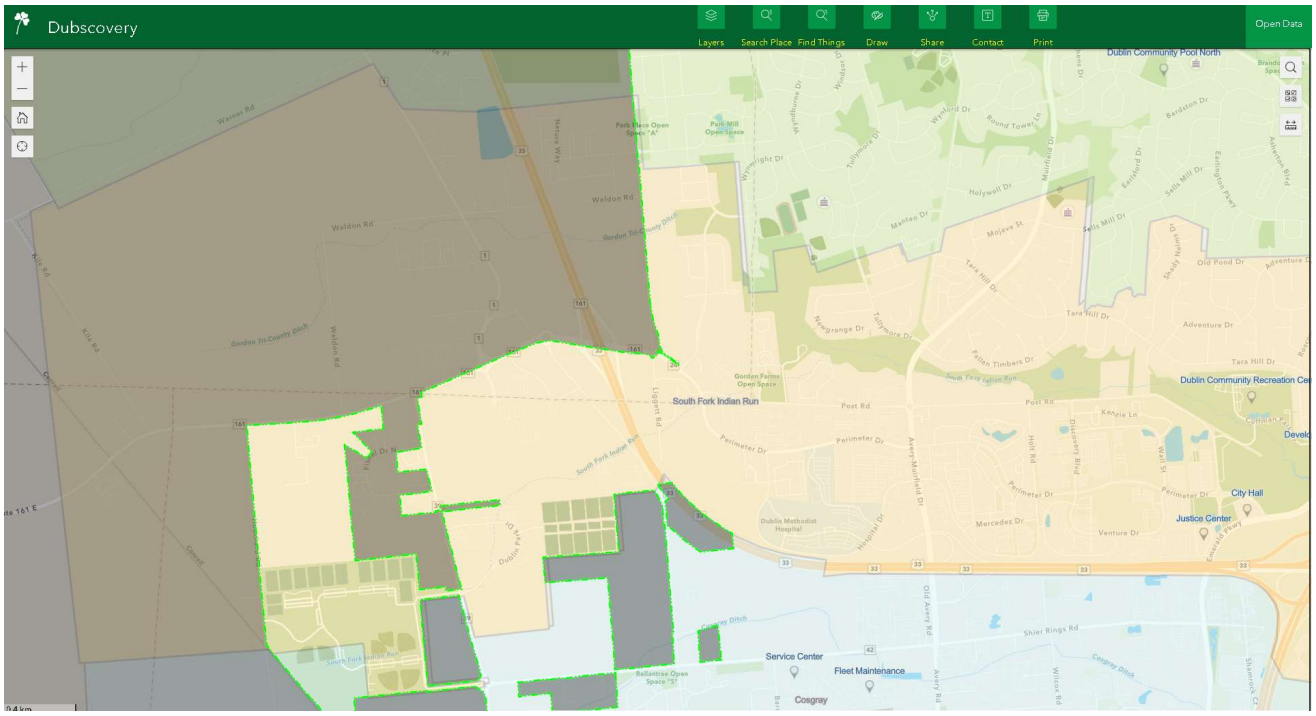
3.1 All analysis and reports are to be completed by August 30, 2023.
3.2 Consultant to determine other project milestones.

4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

C. Aaron Stanford, P.E.
Deputy Director of Engineering – Utilities
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4676
astanford@dublin.oh.us

Figure 1 – Sanitary Sewer Capacity Analysis



Engineering Project 7 – Waterline Replacement – Phase VII

1. PROJECT DESCRIPTION

1.1 Waterline replacement and upsizing of existing 2-inch and 3-inch waterlines at three separate locations.

1.1.1 The locations of the replacements will be the extent of 2-inch and 3-inch existing waterline on Preswick Court, Haddington Court, Liberton Court, Zetland Court, Culross Court, and Avemore Court. (Location Images Below)

1.1.2 Evaluate the need to add any additional fire hydrants to the area. Any new hydrants shall be located with due consideration of surrounding context, including, driveways, landscaping, trees, other private utilities and other elements.

1.2 The consultant will create a construction plan set for the locations listed above.

1.3 Meetings: Kick-off meeting (in-person or virtual), plan submittal comment disposition meetings (virtual), Biweekly project status updates (virtual)

1.4 Public information: consultant will assist in public information meetings (up to two meetings) with up to four exhibits per meeting.

1.5 Field survey will be necessary to collect topographic data and to locate all existing elements within the project boundary, including but not limited to; existing watermain, water valves, water services, curb stops, other private utilities through OUPS markings, trees/landscaping elements, curbing, sidewalks, shared use paths, and any other necessary elements found in the field.

1.5.1 The survey work will require notification to residents adjacent to the project area. The Consultant will work with City staff to develop and distribute the notification prior to field survey work.

1.6 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPS requirements

1.7 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.

1.8 Consultant will obtain existing private utility information within the project areas.

1.9 Consultant is required to coordinate the detailed design of the project with all public and private utilities within the project area. Consultant shall submit progress plans to utility providers for their comment and coordinate any relocation of utilities that may be necessary.

1.10 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the City of Columbus Public Utilities Department and the Ohio EPA.

1.10.1 Permit fees will be paid by the consultant and reimbursed by the City.

1.11 Property Impacts: The consultant will provide a design that does not require acquisition of any additional right of way. If it would become necessary to obtain any easements or right of way the consultant will notify the City as soon as possible.

2. DELIVERABLES

2.1 Complete set of construction drawings will be required for the project.

2.2 All project documentation provided in electronic (PDF) format.

- 30%, 60% and 90% plans and Engineer's estimates will be submitted to City staff for a 2-week review. Followed by a comment disposition meeting. Milestone date to be presented in proposal by consultant.
- The construction estimates shall include the previously designed waterline replacements at Gairloch Court and Loch More East.

2.3 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.4 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat) per project.

2.5 All CAD files and basemaps shall be submitted to the City with the final plans (and any subsequent changes), in Autodesk AutoCAD release 2022 or later in DWG format.

3. TIME OF COMPLETION

3.1 All construction plans are to be completed by July 30, 2023.

3.2 Consultant to determine other project milestones.

4. CONTACT INFORMATION

4.1 If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

C. Aaron Stanford, P.E.
Deputy Director of Engineering – Utilities
City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4676
astanford@dublin.oh.us

LOCATION IMAGES

Avemore Court

Haddington Court

Preswick Court

Culross Court

Liberton Court

Zetland Court

Transportation & Mobility Division Projects:

T&M Project 1 – Street Light Improvements – Historic Dublin and Tuller Road

1. PROJECT DESCRIPTION

1.1 Develop a complete set of construction drawings for a projects to improve and refresh the street light infrastructure within the City of Dublin. The design project prepare plans to perform significant maintenance work on the street lights in two areas of Dublin, shown in the two figures below.

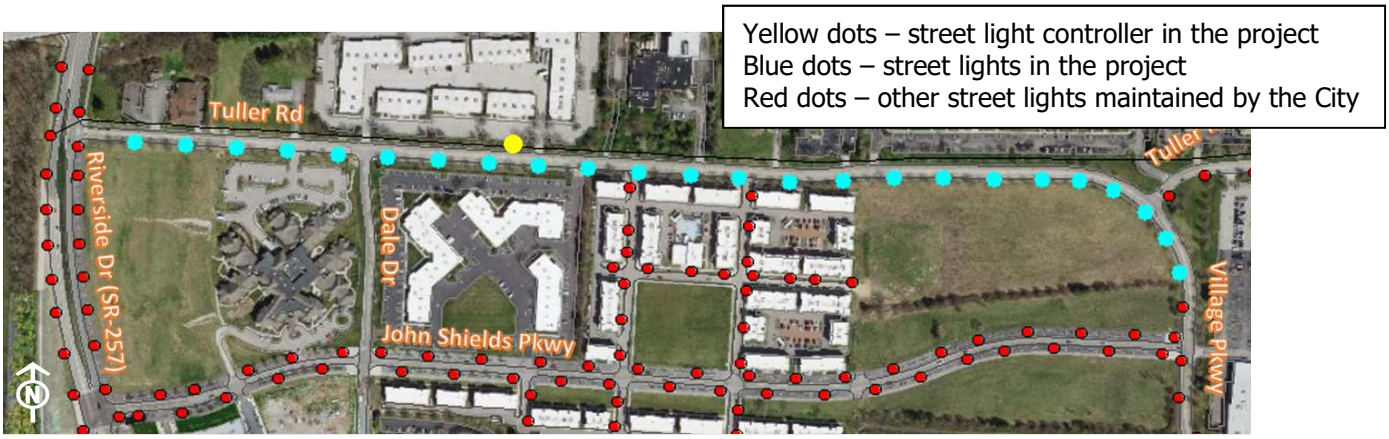


Figure 1 – Tuller Road Street Lights

Figure 2 – Historic Dublin Street Lights

1.1.1 Tuller Road (on the south side) from Riverside Drive east to the intersection of Village Parkway and the next three (3) streetlights along Village Parkway. These street lights are controlled from a single controller/disconnect unit on the north side of Tuller Road near 4372 Tuller Road. The work to be performed by the plans developed for this project include

- remove existing wiring from the disconnect to the street lights;
- review the existing disconnect/lighting controller cabinet and recommend any changes necessary to meet American Electric Power's current standards
  - Include photocell control of the lighting circuit on the north side of the meter/disconnect/controller cabinet
- Remove existing pole-top-mounted photocell from top of street light pole nearest the disconnect and replace with a standard pole cap and associated wiring;
- Flush any debris from the conduit system;
- Repair damaged conduit;
- Pull new wiring to reconnect to the street lights pole & bracket cable;
- Install flood seal kits to connect the new wiring

1.1.2 Historic Dublin, using Sternberg *Carson City 1843LED* street lights in area bounded by the Scioto River to the east; High School Rd to the west; John Wright Lane to the south; Indian Run Drive to the north. These street lights are controlled by several controller/disconnect units within the Dublin Historic District. The work to be performed by the plans developed for this project include

- remove existing wiring from each disconnect to the street lights;
- review the existing disconnect/lighting controller cabinet and recommend any changes necessary to meet American Electric Power's current standards
  - Include photocell control of the lighting circuit on the north side of each meter/disconnect/controller cabinet
  - Analyze consolidation of the two (2) disconnect cabinets adjacent to each other on the east side of Franklin Street, just south of Bridge Street
- Flush any debris from the conduit system;
- Repair damaged conduit;
- Pull new wiring to reconnect between the street lights and the disconnect cabinet
- Install flood seal kits to connect the new underground wiring to the pole & bracket cable at each street light.

1.1.2.1 Develop a plan to control the lighting levels of the Historic Dublin street lights by zone to gradually increase or decrease the foot-candles on the ground to address different conditions. Zones will be created in coordination with City staff.

- The plan designer shall work with Ohio Traffic & Lighting Solutions, our local Sternberg Lighting representative in Central Ohio: Ohio Traffic & Lighting Solutions; 2688 Sawbury Boulevard; Columbus, OH, 43235; T: (614) 219-7341
- Develop plan to install a dimming control system in each Sternberg *Carson City 1843LED* street light pole to allow for control of street lights to manage lighting levels and power consumption. The City of Dublin's expectation is that the lighting level control systems considered during the design and analysis process with Ohio Traffic & Lighting Solutions will include the options of
  - CIMCON Lighting, Inc., a subsidiary of Quantela Inc.; and
  - Telensa PLANet, a subsidiary of Cooper Lighting Solutions, Inc.

  Other lighting level control systems may be considered during the design process, but concurrence with the City of Dublin will be required prior to including in the 90% design.
- The system developed is expected to include installation of a connected central control unit on the City IT network at the traffic signal at the intersection of Bridge Street (US-33/SR-161) @ High Street. The plan is to include all devices, software licensing and connective service fees for up to five (5) years

after the installation is complete. The expectation is that wireless technology will simplify installation and control of this dimming system.

1.2 The projected year of construction is 2024.

1.3 Evaluate the following items and replace based on that evaluation, due to concerns with the continuing successful maintenance of advanced age and/or time-worn street lights or related infrastructure.

- New infrastructure or refurbishing of existing infrastructure will have the finish of poles, cabinet or other features that conform to the standard colors used by the City of Dublin
  - Dublin Bronze (Federal Stand Color Chart 595C - Color 20040) will be used in the Tuller Road portion of the project.
  - Black (Federal Stand Color Chart 595B - Color 27038) will be used in the Dublin Historic District portion of the project.
- New features will be powder-coated with, at least, a five-year warranty
- Check underground facilities for condition and ensure that the conduits have the capacity, good condition to accommodate all remaining wiring and new or replacement wiring. If existing conduit and pull boxes are inadequate, include replacement of these items in the plan.
- While it is not the intention of this project to have significant construction that would require additional right-of-way (R/W), identify the existing limits of the R/W and any potential acquisitions of R/W required by options considered for this project.

1.4 If it is necessary to relocate power meter / disconnect devices, preliminary layouts of the metered disconnect cabinets will be prepared, including right-of-way impacts, any associated utility impacts, and any environmental concerns will be identified as part of this project.

1.5 Construction cost estimates and, if needed, right-of-way estimates and exhibits shall be prepared.

1.6 Status updates: Consultant will provide written project updates on a weekly basis via e-mail. Status meetings (virtual or in-person) will also be held once every two weeks.

Key Technical Points for Detailed Final Design

1.7 Construction plans and specifications will be prepared to be a complete and biddable set of construction plans.

1.8 Specifications/Guidelines. The following design manuals shall be followed as applicable;

- ODOT
  - 2019 Construction and Material Specifications;
  - Traffic Engineering Manual;
  - 2012 Ohio Manual of Uniform Traffic Control Devices;
- Columbus
  - 2018 Construction and Material Specifications;
  - Traffic Signal Design Manual, August 2018
- City of Dublin Standard Drawings will be provided to Consultant.

1.9 Plans will include a note stating all existing street light equipment that is salvageable be returned to the City of Dublin. This will include a detailed matrix.

1.10 A note will be provided for the contractor to test ground rods, as specified in ODOT and City of Columbus CMS 625.15, and replace any ground rods that are providing excessive resistance. If replacements are needed, the contractor will contact OUPS for underground utility information prior to digging.

1.11 Survey. Survey work to be included as consultant deems appropriate. Provide description of consultant's rationale for surveying work in Proposal.

1.12 Right-of-Way. Additional right-of-way is not anticipated to be required for this project.

1.13 Maintenance of Traffic. Prepare a detailed maintenance of traffic plan during construction, including to maintain pedestrian access during construction.

1.14 Progress and Review Meetings. Consultant will meet as necessary with City of Dublin staff to report progress and review details.

1.15 Construction Plans. Plans will be in a format similar to plans previously prepared for City CIP projects. The City of Dublin will prepare all additional bidding documents and bid the construction projects. Consultant will assist the City with answering questions during the bidding and construction period and attend the pre-construction meeting, as requested.
1.16 Geotechnical: Not expected to be needed for this project.
1.17 Private utilities: Identify impacts and coordinate with private utilities.
1.18 Public utilities: Identify impacts and coordinate with public utilities.

2. DELIVERABLES

2.1 The consultant shall prepare construction drawings. All project documentation will be provided in AutoCAD and PDF format.

- At 30% completion, a draft report will be submitted to City staff for review. Milestone date to be presented in the proposal by the consultant.
  - Submission to include Title Sheet, General Notes, and Lighting Plans
- A 90% complete report will be submitted to City staff for review prior to final submittal. Milestone date to be presented in the proposal by the consultant.
  - Submission to include Title Sheet, General Notes and Lighting Plans, Lighting Details
- Final Submission
  - Mylar tracing (four-mil, double mat) of the full-size (22"x34") title sheet shall be submitted for signature by the City Engineer
  - The final plans will be prepared and delivered in one set of electronic files on compact disc in both Auto Desk's AutoCAD Release 2004 or higher DWG format and PDF format in full-size (22"x34") and half-size (11"x17") to the City for record purposes. The final plans in DWG and PDF format are due by the project completion date

2.2 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

3. TIME OF COMPLETION

3.1 The submission of final plans shall not be later than **October 27, 2023.**

4. CONTACT INFORMATION

If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Eagan Foster, P.E., PTOE
Civil Engineer II
City of Dublin, Ohio
Division of Transportation & Mobility
6555 Shier Rings Road
Dublin, OH 43016
614.410.4637
efoster@dublin.oh.us

T&M Project 2 – Contingency Planning and Documentation

1. PROJECT DESCRIPTION

1.1 This project will organize and document multiple programs, processes, operations and tasks of the Division of Transportation & Mobility.

1.2 Work processes that require interviewing staff and creating documentation include, but are not limited to:

- Sign design, fabrication and installation
- Outdoor warning siren maintenance and operation
- Street light maintenance and operation
- School flasher maintenance and operations
- Enhanced pedestrian crosswalk maintenance and operations
- Curb and specialized parking space painting

1.3 Work processes that require organization of provided documentation include, but are not limited to:

- CML parking garage sign maintenance and operation
- Micro-transit reporting and summaries
- Mobility Hub design and implementation
- Monthly and annual crash summaries and dashboards
- Shared micro-mobility reporting and summaries
- Site development review for mobility
- Special event sign management
- Specialty lighting maintenance and operation (including but not limited to the Dublin Link)
- Speed management program (including but not limited to driver feedback signs, data collection systems, and updates to the formal program)
- Traffic impact study process and review
- Traffic signal programming and operations
- Trail and bikeway prioritization
- Wayfinding policy implementation and updating

1.4 The consultant will interview staff members and collect documentation for each identified work process. This effort may require time spent in the field with crews to observe and understand work-flows and processes.

2. DELIVERABLES

2.1 The consultant shall prepare a final report that includes documentation from the various aspects of the project to create a cohesive and comprehensive account of the project. All project documentation will be provided in electronic (PDF) format.

- At 30%, 60%, and 90% completion, a draft report will be submitted to City staff for review. Milestone dates to be presented in the proposal by the consultant.
- The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17.

2.2 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.3 The consultant shall summarize, and format all the consolidated report and graphics for hard copy and electronic formats.

3. TIME OF COMPLETION

3.1 The final report is due **September 13, 2023.**

4. CONTACT INFORMATION

If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Tina Wawszkiewicz, P.E.
Civil Engineer II
City of Dublin, Ohio
Division of Transportation & Mobility
6555 Shier Rings Road
Dublin, OH 43016
614.410.4636
twawszkiewicz@dublin.oh.us

T&M Project 3 – Mobility Design Standards and Checklists

5. PROJECT DESCRIPTION

1.11 The study will review best practices and recommend mobility design standards for travel within the right-of-way. Standards and checklists will be developed for all non-motorized users to travel along and across roadways for three types of plan review:
- Public streets within private development sites,
- Public streets within public improvement projects led by any team, including the Division of Engineering and the Division of Transportation & Mobility, and
- Maintenance of traffic (MOT) plans for any construction within the right-of-way.

1.12 The consultant will create checklists to implement mobility design standards for each project type.

1.13 References to legal requirements, including the Americans with Disabilities Act (ADA), and recommendations such as the draft Public Rights-of-Way Accessibility Guidelines (PROWAG) will be reviewed and referenced in the proposed standards and checklists.

1.14 Mobility designs for MOT plan best practices developed and applied by other agencies will be reviewed in the development of the proposed standards and checklists.

1.15 The consultant will recommend tools and/or technology will help staff implement the standards and checklist.

2. DELIVERABLES

2.1 The consultant shall prepare a final report that includes documentation from the various aspects of the project to create a cohesive and comprehensive account of the project. All project documentation will be provided in electronic (PDF) format.
- At 30%, 60%, and 90% completion, a draft report will be submitted to City staff for review. Milestone dates to be presented in the proposal by the consultant.
- The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17.

2.2 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.3 The consultant shall summarize, and format specifically, all recommendations and graphics for posting on the City's website.

3. TIME OF COMPLETION

3.1 The final report is due **October 11, 2023**.

4. CONTACT INFORMATION

If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

Tina Wawszkiewicz, P.E.
Civil Engineer II
City of Dublin, Ohio
Division of Transportation & Mobility
6555 Shier Rings Road
Dublin, OH 43016
614.410.4636
twawszkiewicz@dublin.oh.us

T&M Project 4 - Secondary Wayfinding – Points of Interest

1. PROJECT DESCRIPTION

1.1 This plan will create a system of signs that provide navigational assistance to bicyclists and pedestrians about desirable destinations and points of interest. This plan will build off the City's established wayfinding program.

1.2 The Consultant will provide concepts and designs that reinforce the Dublin brand.

1.3 The secondary wayfinding for points of interest should provide consistent and attractive information to assist the non-motorized traveling public to navigate efficiently to key destinations within the City. To achieve this, the plan should:

- Connect Places — Facilitate travel between destinations and provide guidance to new destinations.
- Keep Information Simple and Universal — Present information simply, using consistent fonts and simple designs, so that it can be understood quickly. Incorporate universal design into the secondary wayfinding program and system so that this wayfinding can be used by a wide range of diverse users including students and non-English speakers.
- Maintain Motion — Be legible and visible for people moving so that they can read the signs and/or markings without stopping.

1.4 Work with Staff to identify and recommend a list of wayfinding destinations that include but may not be limited to popular entertainment destinations and amenities, municipal buildings, signature public spaces and community parks, planned mobility hubs, bike share stations, and Historic Dublin. Destinations in the vehicular wayfinding system as well as the bike loop system should be reviewed for applicability.

1.5 The Consultant should develop a recommended route plan for primary access to all major destinations to determine optimal placement of signs.

1.6 Identify areas that may have barriers, in either installation or some other condition.

1.7 Trail Counting Equipment – Identify locations and specifications for a permanent trail counting component of the secondary wayfinding system, for bicycles, pedestrians, and micro-mobility vehicles.

1.8 Prepare a cost estimate and quantities for material types, reflectivity, fabrication, installation, and maintenance of the system including the number of various sign types and locations. Include cost estimates and quantities for trail counting equipment.

2. DELIVERABLES

2.1 A Secondary Wayfinding Plan to Points of Interest that contains recommendations, proposed sign locations with specific destinations, and detailed fabrication drawings developed. It shall also include a palette of colors, design strategy, suggested material options, and installation details. Cost Estimate and quantities for implementation of the program including production and installation should be included.

2.2 The consultant shall prepare a final report that includes documentation from the various aspects of the project to create a cohesive and comprehensive account of the project. All project documentation will be provided in electronic (PDF) format.

- At 30%, 60%, and 90% completion, a draft report will be submitted to City staff for review. Milestone dates to be presented in the proposal by the consultant.
- The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17.

2.3 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

2.4 The consultant shall summarize, and format specifically, all recommendations and graphics for posting on the City's website.

3. TIME OF COMPLETION

3.1 The final report is due **July 26, 2023**.

4. CONTACT INFORMATION

If you have any questions regarding this project, please contact the City's Project Manager. Any other contact with City personnel related to this request, prior to the formal selection of the consultant, is expressly prohibited without the consent of the City's Project Manager:

J.M. Rayburn
Planner II
City of Dublin, Ohio
Division of Transportation & Mobility
6555 Shier Rings Road
Dublin, OH 43016
614.410.4653
jrayburn@dublin.oh.us