



CONSULTANT SERVICES BULLETIN SUMMER 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: August 2, 2022
Time: 10:30 a.m. – 12:00 p.m.
Location: Service Center Training Room, 6555 Shier Rings Road, Dublin, Ohio 43017
Virtual Link: [WebEx](#)

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., August 15, 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 Summer 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. Updates or 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. All material submitted in accordance with this request becomes property of the City and will not be returned.

We require electronic submissions, but 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. No pages shall be larger



than 11x17. All material submitted in accordance with this request becomes property of the City and will not be returned.

We require electronic submissions, but 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 2 weeks 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 – Riverside Drive Utility and Shared-Use Path Extensions

1. PROJECT DESCRIPTION

- 1.1 Perform detailed design of three CIP projects meant for the same construction bid.
- 1.1.1 Sewer Line Extensions – Area 3A, 3B, 3C: one lift station, force main connection and approximately 8800 feet of sanitary sewer extensions along Riverside Drive from Hard Road to Summit View, Tonti Drive, Red Bay Court, Tamarisk Court.
 - 1.1.1.1 Consultant to analyze and confirm sufficient downstream capacity of existing sanitary sewer.
- 1.1.2 Water Line Extension – Area 3A: 12" water main extensions on Riverside Drive from Hard Road to Wyandotte Woods Boulevard.
- 1.1.3 Riverside Drive East Shared-Use Path – Section 3: approximately 1,400 feet of eight-foot asphalt shared use path on the east side of Riverside Drive between Tonti Drive and the existing path at the southern edge of Wyandotte Woods. Path includes one short pedestrian bridge.
- 1.2 The consultant will create three construction plans: one for the sanitary sewer extension areas 3A Phase 1, 3C & water line extension area 3A project, one for the sanitary sewer extension areas 3A phase 2 and 3B project and one for the shared-use path project.
- 1.3 Meetings: Kick-off meeting (in-person), plan submittal comment disposition meetings (virtual), R/W acquisition meeting (virtual), preliminary Maintenance of Traffic (MOT) meeting, plus four (4) additional in-person meetings.
- 1.4 Public information: consultant will assist in public information meetings (up to two meetings) with up to three exhibits per meeting.
- 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 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.
- 1.9 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.
 - 1.10.1 Impacts to the AEP transmission line is to be minimized.
- 1.11 Consultant is to design facilities for the future installation (by others) of the Dublin conduit ductbank along the project limits. General layout and duct bank composition will be determined by City of Dublin IT Department.
- 1.12 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.
 - 1.12.1 Permit fees will be paid by the consultant and reimbursed by the City.
- 1.13 Provide project control. Set permanent bench marks.
- 1.14 Property Impacts: Shared-Use Path: seven (7) right of way acquisitions and five (5) temporary construction easements are anticipated for this project.
- 1.15 Consultant will include "if authorized" costs for lift station shop drawing review, pedestrian bridge shop drawing review, and a small quantity for on-going construction services.
- 1.16 As-built construction drawings of the completed improvements will be required.



2. DELIVERABLES

- 2.1 Complete set of construction drawings will be required for the two projects
- 2.2 10% preliminary alignment submission is required for review and comment by the City. Preliminary alignment is to be accepted by the City prior to progression of the project.
- 2.3 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.
- 2.4 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.
- 2.5 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat) per project.
- 2.6 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 September 1, 2023.
- 3.2 Acquisitions (legal descriptions and exhibits submitted) must start 9 months prior to final plan submission.
- 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:

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 2 – Annual Vehicular Bridge Maintenance FY2023 Project(s) –

1. PROJECT DESCRIPTION

- 1.1 Perform detailed design of the superstructure replacement of Brandonway over North Fork Indian Run and the full replacement of Monterey Drive over Cosgray Ditch
- 1.2 Bridges will be separate construction plan sets.
- 1.3 Brandonway over North Fork Indian Run was built in 1986 as a single span pre-stressed concrete box beam bridge with an asphalt wearing course SFN: 2568845. The bridge has two lanes of traffic with sidewalk on the west side of the structure and timber guardrail on each side.
 - 1.3.1 The superstructure is to be replaced in kind with a composite design, concrete wearing course and timber guardrail. Approach slabs are to be replaced and will be concrete to the surface of the existing roadway.
 - 1.3.2 Part-width construction will be required for this structure. Pedestrian detours will be necessary.
- 1.4 Monterey Drive over Cosgray Ditch was built in 1977 as a single span pre-stressed concrete beam bridge with an asphalt wearing course SFN: 2568799. The bridge has two lanes of traffic with sidewalk and timber guardrail on each side.
 - 1.4.1 The entire structure is to be replaced. Designer to perform a structure type study (3-sided precast concrete arc, 4-sided box culvert, and a concrete slab bridge) and recommend replacement type. The City desires to have a composite design and a concrete wearing course on the new structure. If guardrail is required, timber guardrail will be required.
 - 1.4.2 Part-width construction is anticipated pending structure type and expected construction durations.
- 1.5 Headwalls/wingwalls will require the City standard façade and cap on exposed surfaces. Pedestrian routing will be necessary.
- 1.6 Bridge design to conform to the latest version of the ODOT Bridge Design Manual. The new bridge will use HL93 loading criteria.
- 1.7 Meetings: Kick-off meeting (in-person), plan submittal comment disposition meetings (virtual), preliminary Maintenance of Traffic (MOT) meeting, plus two (2) additional in-person meetings.
- 1.8 Construction will need to be performed within the existing right of way.
- 1.9 Consultant to follow all City of Dublin, City of Columbus 2019 CMS and ODOT specifications for design specifications.
- 1.10 A Tree survey will be necessary for any trees (over 3 caliper inches) within the project area identifying species, caliper, and health.
- 1.11 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPS requirements
- 1.12 Geotechnical borings will be required at each of the proposed abutments (minimum 1 per abutment).
- 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. Utility relocation is to be minimized where possible.
- 1.15 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the OEPA and Army Corps as needed.
 - 1.15.1 Permit fees will be paid by the consultant and reimbursed by the City.
- 1.16 Consultant will include "if authorized" costs for structure/beam shop drawing review and a small quantity for on-going construction services.
- 1.17 Maintain North Fork Indian Run/Cosgray Ditch flows and seasonal water levels. Construction work is not to occur within the stream channel. Consultant will acquire waterway permits as needed.
- 1.18 North Fork Indian Run/Cosgray Ditch is part of the NFIP and has been modeled by FEMA. This project shall not increase the 100-year water surface upstream of the structures. The design consultant will determine the project impact based on existing horizontal and vertical topographical information and preliminary design information.
- 1.19 Survey flood plain area at least 100 feet upstream and downstream of right-of-way.
- 1.20 Provide project control. Set permanent bench marks.

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 February 10, 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:

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 3 – Riverside Drive West Shared-Use Path –

1. PROJECT DESCRIPTION

- 1.1 Perform detailed design of 950 feet of eight-foot asphalt shared-use path on the west side of Riverside Drive from Emerald Parkway to the Dublin Arts Council Driveway. Path includes one short pedestrian bridge.
- 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 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPS requirements
- 1.5 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.
- 1.6 Geotechnical borings will be required at the pedestrian bridge abutments.
- 1.7 Consultant will obtain existing private utility information within the 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 progress plans to utility providers for their comment and coordinate any relocation of utilities that may be necessary.
- 1.9 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the OEPA.
 - 1.9.1 Permit fees will be paid by the consultant and reimbursed by the City.
- 1.10 Provide project control. Set permanent benchmarks.
- 1.11 Property Impacts: Three (3) right of way acquisitions (two City of Dublin parcels) and one (1) temporary construction easement is anticipated for this project.
- 1.12 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 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 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 March 31, 2023.
- 3.2 Acquisitions (legal descriptions and exhibits submitted) must all be submitted by October 28, 2022.
- 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:

Brian Gable, P.E.

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City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4641
bgable@dublin.oh.us



Engineering Project 4 – Dublin Center Drive Shared-Use Path -

1. PROJECT DESCRIPTION

- 1.1 Perform detailed design of 618 feet of eight-foot asphalt shared-use path on the west side of Dublin Center Drive from Stoneridge Lane to West Dublin-Granville Road. Project includes ADA crossing of Marcy Lane and improving the existing ADA ramp at the southwest corner of Dublin Center Drive and Marcy Lane into two separate ramps.
- 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 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPS requirements
- 1.5 Consultant to follow all City of Dublin, City of Columbus, and ODOT specifications (in order) for design specifications.
- 1.6 Consultant will obtain existing private utility information within the project areas.
- 1.7 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.
- 1.8 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the OEPA.
 - 1.8.1 Permit fees will be paid by the consultant and reimbursed by the City.
- 1.9 Provide project control. Set permanent benchmarks.
- 1.10 Property Impacts: Two (2) right of way acquisitions and two (2) temporary construction easements are anticipated for this project. Consultant to verify easements on the impacted parcels.

2. DELIVERABLES

- 4.2 Complete set of construction drawings will be required for the project.
- 4.3 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.
- 4.4 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.
- 4.5 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat).
- 4.6 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 1, 2023.
- 3.2 Acquisitions (legal descriptions and exhibits submitted) must all be submitted by March 1, 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:



Brian Gable, P.E.

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Engineering Project 5 – Dublin Road Shared-Use Path Preliminary Engineering –

1. PROJECT DESCRIPTION

- 1.1 The study will evaluate and categorize the preferred alignment and alternates of the Shared-Use Path on Dublin Road from Hayden Run Road to Limestone Ridge Drive.
- 1.2 This report will be utilized as part of a greater project between the City of Dublin, City of Hilliard, City of Columbus, Franklin County Engineer's Office (FCEO), and the Mid-Ohio Regional Planning Commission (MORPC) to provide mobility connections between the municipalities.
- 1.3 Consultant to coordinate preliminary engineering details with the attributable funding application requirements through MORPC submitted by the FCEO.
- 1.4 Illustrations and graphics will be important to convey the intent and findings of the study.
- 1.5 The Consultant may utilize City aerial mapping and available utility & roadway plans. Consultant will supplement as needed with field verification.
- 1.6 Corporation lines and boundaries will need to be identified in each of the alternatives.
- 1.7 Graphics, layouts, and detailed descriptions will be developed for each alternative.
- 1.8 Analysis will be provided and summarized for each alternative by the consultant.
- 1.9 Impacts to parking lots, buildings, trees, tree lawns, pedestrian ways, walls, drainage, public utilities, private utilities, etc. will be detailed for each alternative.
- 1.10 Potential funding sources for the construction of the project should be identified.
- 1.11 Consultant will coordinate with the Citywide Mobility Plan.
- 1.12 Preliminary programming level cost estimates shall be prepared for each alternative. Estimates should include elements such as expected right-of-way acquisition, any potential utility relocations, design and construction. Cost estimate to be coordinated with the attributable funding application.
- 1.13 The Consultant will identify any limitations of each alternative, create a decision-making matrix, and make a formal recommendation regarding the preferred alternative at each location.
- 1.14 Conclusions and final recommendations that are supported by the study will be prepared and incorporated into a summary report.
- 1.15 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.

2. DELIVERABLES

- 2.1 Consultant should develop a public involvement plan and assume one public meeting and support for additional requests.
- 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.
 - 30%, 60% and 90% draft reports 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 The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17.



- 2.4 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.
- 2.5 The consultant shall summarize, and format specifically, all recommendations and graphics for posting on the City's website.

3. TIME OF COMPLETION

- 3.1 Final report is to be submitted by April 21, 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:

Brian Gable, P.E.

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City of Dublin, Ohio
Division of Engineering
6555 Shier Rings Road
Dublin, OH 43016
614.410.4641
bgable@dublin.oh.us



Engineering Project 6 – Hawk’s Nest Pond Retaining Wall Rehabilitation –

1. PROJECT DESCRIPTION

- 1.1 Perform detailed design to rehabilitate the stacked limestone retaining wall along the retention pond in the Hawk’s Nest neighborhood abutting Brand Road east of Hawk’s Nest Drive.
- 1.2 Headwalls/wingwalls will require the City standard façade (stacked limestone) and cap on exposed surfaces.
- 1.3 Meetings: Kick-off meeting (in-person), plan submittal comment disposition meetings (virtual), plus two (2) additional in-person meetings.
- 1.4 Construction will need to be performed within the existing right of way.
- 1.5 Consultant to follow all City of Dublin, City of Columbus 2019 CMS and ODOT specifications for design specifications.
- 1.6 A Tree survey will be necessary for any trees (over 3 caliper inches) within the project area identifying species, caliper, and health.
- 1.7 Consultant shall prepare an Erosion and Sediment Control Plan to meet all City of Dublin and OEPS requirements
- 1.8 Geotechnical borings will be required for up to four (4) locations.
- 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. Utility relocation is to be minimized where possible.
- 1.11 Consultant shall be required to obtain all regulatory agency approvals and coordinate the approval of plans with the OEPA and Army Corps as needed.
 - 1.11.1 Permit fees will be paid by the consultant and reimbursed by the City.
- 1.12 Final retaining wall location to be similar to existing and not detrimentally impact the retention pond.
- 1.13 Plans will address maintaining the pond water levels during construction. Construction work is not be occur within the pool of the pond. Consultant will acquire waterway permits as needed.
- 1.14 Provide project control. Set permanent bench marks.



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.
- 2.3 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.
- 2.4 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.
- 2.5 The final plans will be prepared in 11x17 format and one 22"x34" Mylar title sheet (four-mil, double mat).
- 2.6 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 June 1, 2023. 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:

Brian Gable, P.E.

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City of Dublin, Ohio
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Dublin, OH 43016
614.410.4641
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Transportation & Mobility Division Projects:

T&M Project 1 – General Transportation & Mobility Task Order

1. PROJECT DESCRIPTION

- 1.1 Respond to City's requests for various Transportation & Mobility evaluation and analysis on a case by case basis. Projects may include intersection capacity analysis, conceptual layouts for roadway and bike/ped improvements, signal timing optimization, technology research/recommendations, speed studies, researching and recommending funding options, etc.
- 1.2 Illustrations and graphics will be important to convey the intent and findings of the studies.
- 1.3 Conclusions and final recommendations that are supported by the studies will be prepared and incorporated into a summary report or memo.
- 1.4 Status updates: Consultant will provide written project updates on a weekly basis via e-mail.

2. DELIVERABLES

- 2.1 Prepare reports or memos that include documentation from the various aspects of the project to create a cohesive and comprehensive account of each project. All project documentation will be provided in electronic (PDF) format.

3. TIME OF COMPLETION

- 3.1 Completion dates for individual tasks will be scheduled at the time of the request.
- 3.2 The Task Order contract will expire **Dec 31, 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 Wawzkiewicz, P.E.
Civil Engineer II
City of Dublin, Ohio
Division of Transportation & Mobility
6555 Shier Rings Road
Dublin, OH 43016
614.410.4636
twawzkiewicz@dublin.oh.us



T&M Project 2 – Autonomous Shuttle Circulator

1. PROJECT DESCRIPTION

- 1.1 This project will study an autonomous vehicle project.
- 1.2 Develop the structure of an autonomous vehicle project, including vehicle type, purchasing options, routing, and any associated infrastructure or regulatory changes needed to support the project.
- 1.3 Develop specifications for the vehicle, research and recommend code updates, and integrate with the US 33 Smart Mobility Corridor/Connected Dublin initiatives.
- 1.4 Recommend an autonomous micro-transit vehicle and a route in Dublin.
- 1.5 This project supports the City's goal to reach a one percent shift in mobility away from single-occupancy vehicles. If successful, Dublin will be the first suburb in Ohio to acquire it.
- 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.



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 **June 14, 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

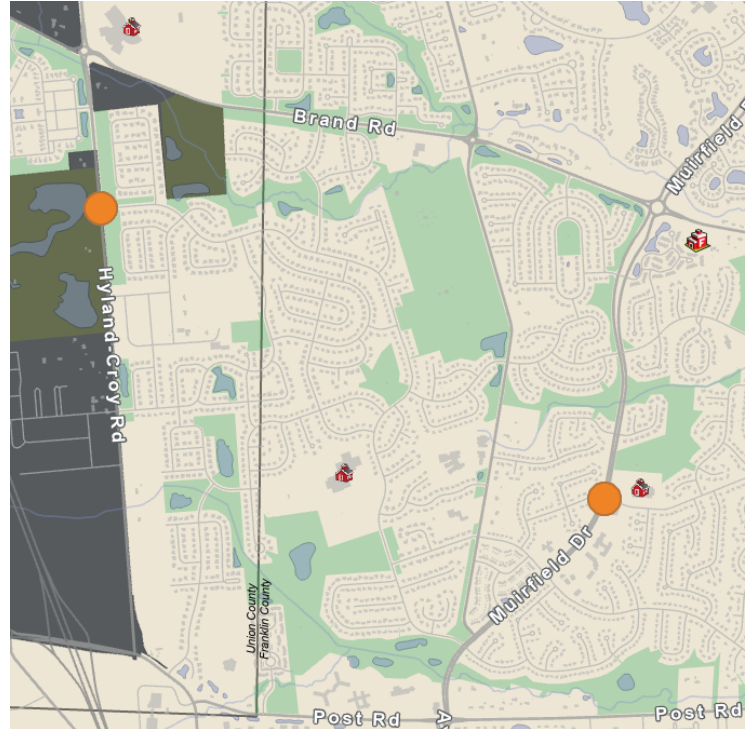
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T&M Project 3 – Pedestrian Crossing Improvement Study Muirfield Drive & Sells Mill Drive, Hyland-Croy Road and Tullymore Drive

1. PROJECT DESCRIPTION

- 1.2 The study will evaluate and categorize the various types of pedestrian crossing improvements, for Muirfield Drive at Sells Mill Drive, and for Hyland-Croy Road at Tullymore Drive, and determine the feasibility of each.
- 1.3 Illustrations and graphics will be important to convey the intent and findings of the study.
- 1.4 The City will provide aerial mapping, available utility and roadway plans, upon request. Consultant will supplement as needed with field verification.
- 1.5 Graphics, layouts, and detailed descriptions will be developed for each alternative.
- 1.6 Consultant will consider treatments such as pedestrian hybrid beacons, pedestrian traffic signals, signs and markings, and other possible improvements in accordance with guidance including, but not limited to, the [Ohio Manual of Uniform Traffic Control Devices](#) (OMUTCD) and the City's [Crosswalk Treatment Guidelines](#).
- 1.7 Traffic and pedestrian counts for the two study intersections and will be provided by the City. The Consultant will review the results, and supplement with any additional data collection that may be needed.
- 1.8 Analysis will be provided and summarized for each alternative.
- 1.9 Impacts to parking lots, buildings, trees, tree lawns, pedestrian ways, drainage, public utilities, private utilities, etc. should be detailed for each alternative.
- 1.10 Potential funding sources for the construction of the project should be identified.
- 1.11 Consultant will coordinate with the Citywide Mobility Plan.
- 1.12 Preliminary programming level cost estimates shall be prepared for each alternative. Estimates should include elements such as expected right-of-way acquisition, any potential utility relocations, design and construction.
- 1.13 The Consultant will identify any limitations of each alternative, create a decision-making matrix, and make a formal recommendation regarding the preferred alternative at each location.
- 1.14 Conclusions and final recommendations that are supported by the study will be prepared and incorporated into a summary report, and organized into implementable phases (immediate, short-term, long-term, etc), if applicable.
- 1.15 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.



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 **Feb 15, 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 Wawzkiewicz, P.E.

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Division of Transportation & Mobility
6555 Shier Rings Road
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twawzkiewicz@dublin.oh.us



T&M Project 4 – Ohio University Roadway Network Preliminary Engineering

1. PROJECT DESCRIPTION

- 1.1 Perform Preliminary Engineering for a portion of the Ohio University roadway network, specifically the relocation of Eiterman Road to route around Subarea 3.
- 1.2 Develop of the roadway typical sections with a Complete Streets focus in mind, which may include, but not be limited to, bike lanes, shared use paths, shared use lanes, and other needed pedestrian/cyclist accommodations.
- 1.3 Provide sufficient space in typical section to allow for placement of power duct bank, Dublinlink, and other utilities as deemed necessary.
- 1.4 Extend water and sanitary sewer, based on City of Dublin master modeling.
- 1.5 The existing roadway alignments and rights-of-way/work impacts have not been surveyed. The selected Consultant will use the Franklin County Auditor's mapping, existing plans of improvements in the area that will be provided by the City of Dublin, and aerial photography to prepare initial base plans. If a specific conflict is identified, field survey work may be necessary to determine a preliminary manner of resolution and should be included in the proposal.
- 1.6 Consultant will determine the design speed for the new roadway alignments.
- 1.7 Provide preliminary design of drainage layouts, including storm water best management practice (BMP) mitigation approach and possible locations.
- 1.8 Check for wetlands in project area as may have hydric soils. If wetlands are found, mitigation strategy to be developed, i.e. avoidance or wetland bank and associated costs to be determined by consultant.
- 1.9 Prepare cost estimates shall for the project, including street lighting and an allowance for landscaping improvements. Right-of-way impacts (overall and per parcel) and costs to be included in work.
- 1.10 Identify buried utilities in project area including, but not limited to, power, gas, and telecommunications and any associated impacts. Any overhead utilities (power, telecommunications, etc.) that are in the project area should be assumed will be placed underground with this project and included in project costs.
- 1.11 Assess potential right-of-way impacts. A preliminary map showing an overview of permanent and temporary takes with acreages must be developed. The Consultant will also develop an Excel spreadsheet of all property owners impacted by the project.
- 1.12 Determine the locations to perform non-destructive testing (include up to five locations in the proposal) to verify the depth of existing utilities. Include the performance of the tests as an "If Authorized" line item.
- 1.13 Coordination with Planning: Work with the Planning Division to define conditions that will affect the adjacent property zoning, such as building and pavement setbacks, sign locations, parking, access, etc. Provide dimensions and details as needed to support development planning.
- 1.14 Coordination with ODOT: Work with ODOT on any elements related to the SR 161 right-of-way outside of Dublin's corporation limits.
- 1.15 Reference Documents (links will be provided with the Proposal Invitation):
 - [2016 OU Framework Plan Dublin Campus](#),
 - EMH&T study,
 - Elford/MKSK Subarea 3 development plan,
 - US 33 – SR 161 – Post Road Interchange Construction Drawings
- 1.16 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.



Existing Subareas



2. DELIVERABLES

- 2.6 Consultant should develop a public involvement plan and assume one public meeting and support for additional requests.
- 2.7 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.
- 2.8 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.
- 2.9 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 **May 17, 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:

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T&M Project 5 – I-270 Crossing, Tuller Road to Emerald Parkway Preliminary Engineering

1. PROJECT DESCRIPTION

- 1.1 Perform Preliminary Engineering for the I-270 Crossing between Tuller Road and Emerald Parkway.
- 1.2 Review and base this project on the recommendations in the Bridge Alternatives and Location Study completed by American StructurePoint in 2022.
- 1.3 Refine the roadway typical sections with a Complete Streets focus in mind, which may include, but not be limited to, bike lanes, shared use paths, shared use lanes, landscape elements, and other needed pedestrian/cyclist accommodations.
- 1.4 Provide sufficient space in typical section to allow for placement of power duct bank, Dublin, and other utilities as deemed necessary.
- 1.5 Extend water and sanitary sewer, in coordination with the Division of Engineering, Utilities Director.
- 1.6 The existing roadway alignments and rights-of-way/work impacts have not been surveyed. The selected Consultant will use the Franklin County Auditor's mapping, existing plans of improvements in the area that will be provided by the City of Dublin, and aerial photography to prepare initial base plans. If a specific conflict is identified, field survey work may be necessary to determine a preliminary manner of resolution and should be included in the proposal.
- 1.7 Consultant will determine the design speed for the new roadway alignments.
- 1.8 Provide preliminary design of drainage layouts, including storm water best management practice (BMP) mitigation approach and possible locations.
- 1.9 Refine the proposed intersection designs from the 2022 study.
- 1.10 Prepare cost estimates shall for the project, including street lighting and an allowance for landscaping improvements. Right-of-way impacts (overall and per parcel) and costs to be included in work.
- 1.11 Identify buried utilities in project area including, but not limited to, power, gas, and telecommunications and any associated impacts. Any overhead utilities (power, telecommunications, etc.) that are in the project area should be assumed will be placed underground with this project and included in project costs.
- 1.12 Assess potential right-of-way impacts. A preliminary map showing an overview of permanent and temporary takes with acreages must be developed. The Consultant will also develop an Excel spreadsheet of all property owners impacted by the project.
- 1.13 Determine the locations to perform non-destructive testing (include up to five locations in the proposal) to verify the depth of existing utilities. Include the performance of the tests as an "If Authorized" line item.
- 1.14 Coordination with Planning: Work with the Planning Division on any active or future redevelopment site to define conditions that will affect the adjacent property zoning, such as building and pavement setbacks, sign locations, parking, access, etc. Provide dimensions and details as needed to support development planning.
- 1.15 Coordination with ODOT: Work with ODOT on any elements, and obtain any permits required related to I-270 limited access right-of-way.
- 1.17 Reference Documents (links will be provided with the Proposal Invitation):
 - 2019 Sawmill Road Corridor Study
 - 2022 I-270 Crossing between Tuller Road and Emerald Parkway Bridge Alternatives and Location Study
 - Mount Carmel Health Systems development site Final Development Plan
 - Stavroff development site Concept Plan
- 1.18 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.



2. DELIVERABLES

- 2.1 Consultant should develop a public involvement plan and assume one public meeting and support for additional requests.
- 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 **May 10, 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:

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T&M Project 6 – Vision Zero Action Plan & Implementation Program

1. PROJECT DESCRIPTION

Background

The City of Dublin is requesting proposals to undertake a Vision Zero Action Plan and Implementation Program to advance the City's goal of eliminating traffic fatalities and serious injuries on city streets by the year 2030 by guiding action, programs, projects and policies. According to the Ohio Department of Transportation (ODOT), 62% of all serious injuries and 53% of all traffic deaths occurred on local roads built and maintained by local governments. The federal Fixing America's Surface Transportation (FAST) Act established five safety performance measures and requires states to set targets for those measures to demonstrate progress toward reducing specific crashes. As such, Ohio has adopted a 2% reduction target across all five measures. Dublin's Vision Zero Action Plan will support state goals and federal policies related to transportation safety.

The City of Dublin has emphasized several of Vision Zero components in its recent Complete Streets and Smart Streets resolutions. The opportunity to advance Vision Zero objectives and safety outcomes is a clear next step in the City's pursuit of a healthy, sustainable, equitable transportation system. It will also assist in achieving the City's goal to raise Dublin's Bicycle Friendly Community designation upon re-application in 2022.

The Division of Transportation & Mobility is advancing the Action Plan and Implementation Program in collaboration with other City departments and other transportation stakeholders including public health and safety officials to quickly initiate implementation actions while achieving coordinated solutions in engineering, education, encouragement, evaluation, equity and enforcement. Additionally, the City of Dublin will collaborate and coordinate with the City of Columbus on Vision Zero efforts with emphasis on the Sawmill Road and Tuttle Crossing Boulevard corridors.

Fatalities and Serious Injuries by Roadway Type



12%

Freeways



43%

Arterial Roads



27%

Collector Roads



15%

Local Roads

3%

Unknown

- 1.1 There are two main elements to be included in this project.
 - Develop an overarching Action Plan and Implementation Program consistent with Vision Zero Network's Guidelines for an Effective Vision Zero Action Plan. The Action Plan and Implementation Program will outline short-term, mid-term and long-term implementation action items, longer term projects to be added to the City's Capital Improvement Program (CIP), technical input (such as best practices), meeting preparation and support, meeting facilitation, and preparation of written documents. The City envisions the Implementation Program to be a five to seven year work plan.
 - Analyze crash data to understand when, where, and why collisions are most likely to occur in order to help the City target road safety improvement strategies.
- 1.2 Study Area – the study area includes city streets.
- 1.3 The Action Plan will evaluate and categorize various strategies, and determine the feasibility of each. Consultant will recommend a plan to eliminate traffic fatalities and serious injuries. This evaluation will include, but is not limited to:
 - Analyze available crash data from the past five years and create a High Injury Network Map.
 - Develop and implement comprehensive plan to address pedestrian and bicycle safety at intersections.



- Develop a list of action strategies to guide the planning the construction of safe streets for all users. This list will include measurements, completion dates and partnering agencies.
- Develop a list of action strategies to promote a culture of safety. This list will include measurements, completion dates and partnering agencies.
- Look for policy trends, relevant grants, and emerging technologies that will support the goal of eliminating traffic fatalities and serious injuries.
- Increase awareness and availability of information, resources and tools to improve older road user safety and mobility. Includes access to programs and activities that help older road users maintain mobility independence.

Coordination with Completed Studied and Ongoing Studies

- 1.4 The consultant shall review previous studies and coordinate with ongoing studies related to this topic. This study will build on the conclusions and recommendations of these previous studies. Reference documents are provided in the RFP link. Study names, timeframes and main outcomes are listed below. [Full documents are included on the RFP webpage.]
1. Dublin Mobility Study, Phase 1 Final Report (Nelson\Nygaard & NBBJ, 2017)
 - The Dublin Mobility Study is intended to develop a shared transportation vision that will guide policy, design, and implementation strategies for multimodal mobility improvements throughout the City of Dublin.
 2. Dublin Mobility Study, Factbook (City staff, 2017)
 - Overview of public participation, demographics, and existing conditions related to transportation & mobility.
 3. Dublin Mobility Study, Phase 2 Final Report (Nelson\Nygaard & NBBJ, 2018)
 - Phase 2 of the Dublin Mobility Plan focuses on priority setting and action plan development. The consultants and the City of Dublin worked together to narrow the focus to five (5) key mobility strategies.
 4. Dublin Mobility Study, Phase 3 Final Report (Nelson\Nygaard, 2020)
 - Implementation of strategies in each of the priority areas was the hallmark of Phase 3 of the Dublin Mobility Plan.
 5. Dublin Mobility Study, Phase 4 Final Report (Nelson\Nygaard, 2022)
 - Phase 4 of the Dublin Mobility Study focused on priority-setting and action-plan development, in alignment with the City's "Connected Community" theme.
 6. Dublin Speed Management Program, (Toole Design Group, Ongoing)
 - Enhance the safety and mobility of Dublin streets for all users by developing a Speed Management Program and building on the 2004 Traffic Calming Program.
- 1.5 Build on the successes of previous and current transportation safety initiatives and mobility investments as well as anticipate future trends affecting safety on city streets.
- Describe when, where, and why collisions are most likely to occur the study area, including safety issues, challenges to vulnerable users, and street and sidewalk design issues.
 - Explain which existing transportation safety practices are working well and which areas need to be addressed.
 - Address how speed management and curbside management practices can mitigate traffic fatalities and serious injuries. Incorporate how findings, recommendations and next steps in to Dublin's Vision Zero Action Plan.
 - Existing traffic safety regulations shall be reviewed based on the City's zoning code and other relevant ordinances. Land-use and zoning maps shall be gathered to understand how land-uses and transportation infrastructure relate to Vision Zero goals.
 - Provide strategies to move beyond the current reactive-based approach and towards a proactive, systems-based approach to safety and expanding mobility options.
- 1.6 A Best Practices Review for the Vision Zero Action plan is needed to provide direction for the duration of the study. The Consultant shall review case studies and best practices that are likely to be most applicable to the City of Dublin.



- 1.7 In addition to researching specific locations, resources from guiding organizations such as the Vision Zero Network, ITE, TRB, APA, NACTO, FHWA, ODOT, and MORPC shall be reviewed and discussed.
- 1.8 The City will provide the consultant with data and information from the City's collision database/dashboard and geographic information systems to produce additional charts and maps reflecting key takeaways about roadway characteristics and behavioral and environmental factors that may have contributed to people being killed or seriously injured. The City will share available transportation and mobility plans, upon request. Consultant will supplement as needed with field verification.

Alternatives and Analysis

- 1.9 The consultant will develop a problem statement, along with study goals and objectives. The consultant will relate each potential solution to the elements of the problem statement and study goals/objectives and how those needs are addressed or not addressed.
- 1.10 Impacts to parking lots, buildings, trees, tree lawns, pedestrian ways, drainage, public utilities, private utilities, etc. should be detailed for each potential solution.
- 1.11 Preliminary programming level cost estimates shall be prepared for each potential solution. Estimates should include elements such as expected right-of-way acquisition, potential utility needs (including power, fiber optics/DubLink, etc.), design and construction, as well as any life cycle costs.
- 1.12 The consultant will identify benefits and limitations of each potential solution, create a decision-making matrix, and make a formal recommendation for the preferred alternative, relating back to the problem statement, study goals and objectives, needs assessment, and best practices.

Report

- 1.13 Graphics, layouts, and detailed descriptions will be developed for each potential solution. Illustrations and graphics will be important to convey the intent and recommendations of the action plan.
- 1.14 Recommendations should be grouped into a minimum of two categories for short-term action plans and long-term vision plans listing potential projects and strategies to address Vision Zero challenges and opportunities in the Study Area. This list shall include infrastructure projects, design and operational strategies and policy recommendations. The Consultant shall describe how the recommended projects, policies, and actions were developed, evaluated, and prioritized.
- 1.15 A user-friendly Executive Summary will be prepared that explains the key recommendations and conclusions. The consultant will provide a final one-page summary graphic depicting the entire recommended alternative.
- 1.16 Conclusions and final recommendations supported by the problem statement, study goals and objectives, needs assessment, and best practices will be prepared and incorporated into the final report.

Public Involvement

- 1.17 Stakeholder engagement and outreach is needed to obtain valuable input from a range of stakeholders to shape the plan's goals, objectives, and recommendations, and, ultimately, build support to adopt and implement the plan.
- 1.18 A communications professional should be included on the Consultant team to leverage the data and findings throughout this Vision Zero Action Plan. All data collected will be owned by Dublin and will be provided to Dublin as it becomes available to the successful team. The consultant team will coordinate with the City's DATA/GIS team throughout the study to agree upon data collection, usage and distribution.
- 1.19 The consultant will prepare a presentation and/or materials for City Council, the Public Services Committee, and the consultant will present study results to both groups.
- 1.20 The consultant will prepare a presentation and/or materials for the local civic association or other stakeholders, and the consultant will present study results.

Project Schedule and Status Updates

- 1.21 A detailed project schedule is required with submission of the proposal. The project schedule must include dates for key tasks, milestones, and the overall completion date. The consultant must demonstrate the ability to meet their proposed schedule. The consultant may assume an authorization date of September 1, 2022.
- 1.22 Status updates: Consultant will provide written project updates on a weekly basis via e-mail as well as participate in bi-weekly coordination calls.



2. DELIVERABLES

- 2.1 Communications deliverables include the following:
- Monthly updates sent to the Vision Zero team including information on project statuses and general notices
 - The City of Dublin Communications & Public Information (CPI) Division may use this information to distribute through the City platforms as warranted
 - The City and Consultant will determine how best to engage the Dublin community in candid conversations on Vision Zero and other road safety topics
 - Specific design illustrations or drawings of sufficient detail to implement safety improvements of focus areas as they are being studied
 - Quarterly blog post provided to City of Dublin CPI Division for distribution and to be included in Quarterly Mobility Newsletter – one per every three months for the duration of the contract
 - Coordination meetings with the City's DATA/GIS team for the project start up, current conditions, potential solution evaluation, pilot project, and final data hand-off
- 2.2 The consultant shall prepare an Action Plan 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 hard copy and electronic (PDF) format.
- At 30% completion, a draft Action Plan will be submitted to City staff for review. Milestone date to be presented in the proposal by the consultant. At a minimum, this submission will include:
 - Problem Statement, Project Goals and Objectives
 - A High Injury Network Map to illustrate where volumes of crashes occur
 - Current Conditions and Needs Assessment Report
 - Best Practices Review and Benchmarking Cities
 - Preliminary Solution Evaluation
 - Preliminary Recommendations
 - At 60% completion, a draft Action Plan will be submitted to City staff for review. Milestone date to be presented in the proposal by the consultant. At a minimum, this submission will include:
 - Comment Disposition
 - A High Injury Network Map to illustrate where volumes of crashes occur
 - Problem Statement, Project Goals and Objectives
 - Current Conditions and Needs Assessment Report
 - Best Practices Review and Benchmarking Cities
 - Potential Solution Evaluation
 - Recommendations
 - Draft Action Plan with list of strategies
 - A 90% complete Action Plan will be submitted to City staff for review prior to final submittal. Milestone date to be presented in the proposal by the consultant. At a minimum, this submission will include:
 - Comment Disposition
 - Problem Statement, Project Goals and Objectives
 - A High Injury Network Map to illustrate where volumes of crashes occur
 - Current Conditions and Needs Assessment Report
 - Best Practices Review and Benchmarking Cities
 - Potential Solution Evaluation
 - Implementation Program
 - Recommendations
 - Draft Action Plan with list of strategies
 - Presentation
 - Other Notes
 - Data collection provided in a format usable by the City
 - Data evaluation, results and conclusions will be provided to the City once per month during the Pilot Project (could be incorporated into project status emails)



- Case Study document, that will ultimately be incorporated into the final report
 - All supporting data collected during the Pilot Project
 - The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17. The due date of the final report is the **completion date provided in Section 3.1**.
 - Final report to contain all of the elements above, supporting data from throughout the life of the study, electronic files, and supporting documentation
- 2.3 Consultant must incorporate comments from Dublin and provide a disposition of comments in each subsequent submittal.
- 2.4 The consultant shall summarize, and format specifically, any and all recommendations and graphics for posting on the City's website.
- 2.5 To the extent possible, system inventory and assessment data, as well as the final project recommendations, should be mapped in ArcGIS, using the collection and distribution methods coordinated with the City's DATA/GIS team. Relevant Esri/shapefiles shall be provided to the City. Mapped information developed in other software, whether conceptual in nature or geographically accurate, shall also be provided, in either the original source format or exported into an intermediate format usable by the City.

3. TIME OF COMPLETION

- 3.1 The final Vision Zero Action Plan is due no later than **August 15, 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:

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T&M Project 7 – Mobility Focused Traffic Count Program

1. PROJECT DESCRIPTION

- 1.1 Recommend mobility focused traffic count to determine areas of need and high use for vulnerable users.
- 1.2 Define 10 locations to count vehicular, pedestrian, bicycle, and other micro-mobility devices.
- 1.3 Recommendations will be submitted for review and comment to the City prior to conducting counts.
- 1.4 The traffic and mobility counts shall be prepared with the following criteria:
 - A 12-hour count, from 7:00 a.m. to 7:00 p.m. shall be provided at each location.
 - Counts shall include vehicle types, including heavy vehicles, bicycle and pedestrians.
 - Counts shall be reported in intervals of 15 minutes or less, and summarized by hour.
 - Counts shall be summarized by intersection approach and total entering intersection volumes.
 - Counts shall be conducted on a school day for Dublin City Schools, on a Tuesday, Wednesday or Thursday.
 - Counts shall be conducted on good weather days, without a holiday in the week of the count.
- 1.5 Status Updates: Consultant will email project updates on a weekly basis.



2. DELIVERABLES

- 2.1 Provide traffic count reports in native electronic and PDF formats.
- 2.2 Provide a summary report with graphics to identify areas of high mobility use or needs.

3. TIME OF COMPLETION

- 3.1 The final report is due **November 29, 2022**.

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:

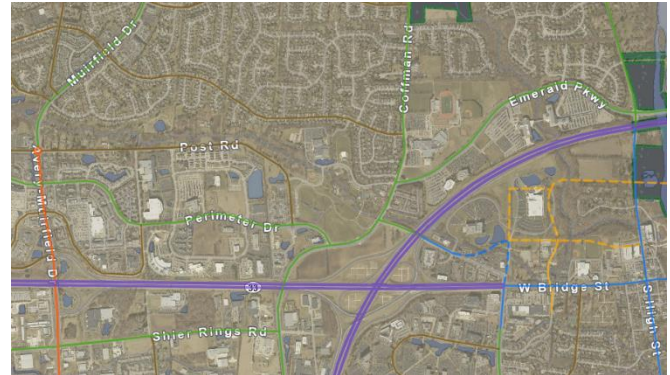
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T&M Project 8 – Multimodal Thoroughfare Plan and 2050 Dublin Travel Demand Model Update

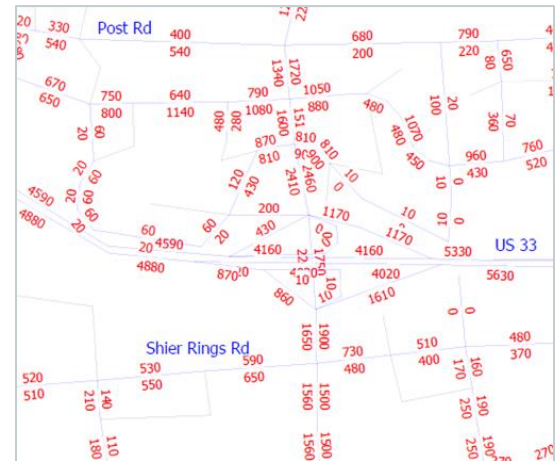
1. PROJECT DESCRIPTION

- 1.1 Recommend options for incorporating a multimodal thoroughfare plan into the concurrent Community Plan update, based on the Travel Demand Model update, Mobility Study, Bikeway Plan, and other guiding documents. The plan should contemplate all users. Options could include, but are not limited to, a combined document or a primary document with specific mobility elements referenced.
- 1.2 Provide typical sections for functional classifications, with pedestrian, bicycle, and other facilities for all users.
- 1.3 Building from the current year 2040 Dublin Travel Demand Model, update the land use, roadway, and horizon year to bring the model to the regional horizon year of 2050.
- 1.4 Work with Dublin's Planning Division to update the socioeconomic land use assumptions, based on recent development, known development interests, special area plans, etc.
- 1.5 Update the highway network file assumptions based on recent roadway projects, transportation studies, and planned local and regional roadway projects.
- 1.6 Work with MORPC to gather regional 2050 data.
- 1.7 Create comparison plots for the year 2040 and 2050 AM, PM, and daily volumes, and provide all TLD and PDF files.
- 1.8 The scenario model should be developed in the CUBE software platform.
- 1.9 Coordinate efforts on the Community Plan Update with the Planning Division.
- 1.10 Develop the preferred option of the multimodal thoroughfare plan to incorporate into the larger Community Plan Update.
- 1.11 Include at least two future land use scenarios.
- 1.12 Update roadway network assumptions from various studies, including but not limited to:
 - West Innovation District Network Study
 - Ohio University Transportation Study
 - I-270 Crossing – Tuller Road to Emerald Parkway
 - I-270 Crossing – Shier Rings Road to Metro Place
- 1.13 Provide the plot files for the year 2050 AM peak hour, PM peak hour, and daily volumes, as Cube TLD files and PDF files.
- 1.14 Run the model at the City of Dublin offices to ensure the links and input files produce the expected results on site.
- 1.15 Documentation of this process is to be presented to the City in a memo or report. The final report will be prepared in 8.5x11 format with graphics not exceeding 11x17. Submit documentation to city staff for review prior to final submittal.
- 1.16 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.



2. DELIVERABLES

- 2.1 A consolidated travel demand model, including all supporting files will be provided to the City. Files should include, but are not limited to:
- Catalog file
 - Highway network file(s)
 - Socioeconomic file(s)
 - PDF and plot files for AM peak hour, PM peak hour, and daily volumes
 - Script files
 - Parameters
 - Turn penalties
 - Matrix files
- 2.2 A Multimodal Thoroughfare Plan in a format compatible with the concurrent Community Plan Update.
- 2.3 The consultant must run the model at the City of Dublin offices to ensure the links and input files produce the expected results on site.
- 2.4 Thorough documentation must be provided describing the assumptions, parameters, features and functionality of the consolidated travel demand model.
- 2.5 The consultant shall prepare a final report that includes documentation from the various phases 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% and 60% completion, a draft report will be submitted to City staff for review. Milestone date to be presented in the proposal by the consultant.
 - A 90% complete report and consolidated travel demand model will be submitted to city staff for review prior to final submittal. Milestone date to be presented in the proposal by the consultant.
 - The final report and travel demand model will be prepared in 8.5x11 format with graphics not exceeding 11x17.
- 2.6 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.
- 2.7 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 deliverables are due **Oct 18, 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 Wawzkiewicz, P.E.

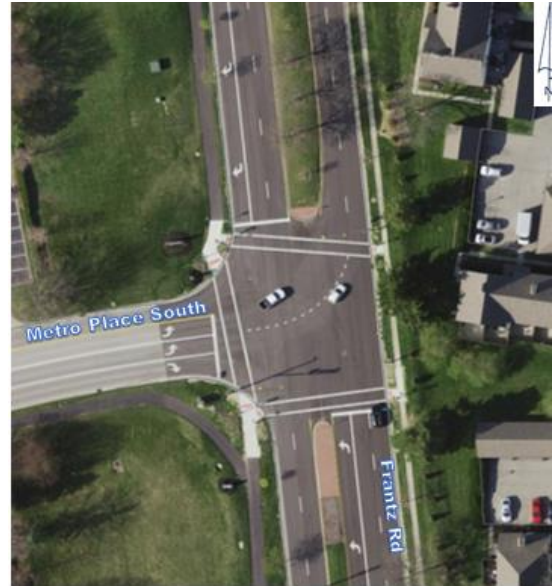
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T&M Project 9 - Frantz Road at Metro Place South Traffic Signal/Electrical Infrastructure

1. PROJECT DESCRIPTION

- 1.1 Develop a complete set of construction drawings for a projects to improve and refresh the traffic signal features at the intersection of Frantz Road at Metro Place South within the City of Dublin. The design project will assess the existing infrastructure at the signalized intersections and prepare plans based on the assessment to perform significant maintenance work, replace major components of the signal installation and add additional features to the installation to bring the operation into compliance with current City of Dublin standards and set-up the traffic signals to have a long life requiring only minor maintenance for the next decades.
- 1.2 The projected year of construction is 2023.
- 1.3 Evaluate the following items and replace based on that evaluation, due to concerns with the continuing successful maintenance of each signal installation's advanced age.
 - Signal mast arm poles
 - Traffic signal cabinet
 - Signal wiring
 - Vehicle detection wiring
 - Overhead internally-illuminated street name signs
- 1.4 The replacement items and new items designed for installation are intended to provide a modern installation with current technologies. The following items should be assumed for the design. The designer may suggest alternative devices/options at the kick-off meeting or at the 30% plans meeting.
 - Mast Arm Pole Assembly – evaluate structural and aesthetic quality of the existing infrastructure. If replacement or refurbishing is needed, the following standards apply
 - Support to be 35' tall to accommodate installation of street light luminaire on each support
 - Consider options for Mast Arm design, including assessment for reuse of existing foundation
 - Accommodate the existing signal head and sign configuration for all three (3) mast arm poles
 - If analysis suggests that new mast arms are needed, design longer arms for signals to accommodate a future signal arrangement of a 3-section signal head centered in each through lane and a 4-section signal head centered in left-turn lane
 - Powder-coated with, at least, a five-year warranty
 - Dublin Bronze (Federal Stand Color Chart 595C - Color 20040)
 - Traffic signal cabinet complete with
 - Yunex Siemens Eagle traffic signal controller model M60 with Linux operating system
 - EDI 12-channel Conflict Monitor
 - Meyer MP2000E Uninterruptible Power Supply
 - Eberle Oracle rack-mount detectors
 - Lighting control circuitry with off/on/auto switch positions
 - Emergency Vehicle Signal Pre-emption System (GTT Opticom GPS)
 - New Emergency Vehicle Signal Pre-emption System (GTT Opticom GPS) antenna and confirmation light
 - LED Edge-lit Street Name Signs for rigid-mounting to the face of the Mast Arm to the right of the right-most traffic signal head,
 - Evaluate sign lettering sizes based on guidance in the 2012 OMUTCD, for at least two options, including 8-inch and 12-inch, mixed-case White lettering on Brown background
 - Add signs to remind the vehicular and pedestrian users to be mindful of conflicting movements



- Place "TURNING TRAFFIC YIELD TO PEDESTRIANS" signs on each mast arm to the right of the left head (Signs exist on two of the existing approaches)
 - Place "WATCH FOR TURNING VEHICLES" mast arm support above each pedestrian signal head (Sample of these signs exist at intersection of Coffman Road and Coffman Park Drive at Emerald Parkway)
 - The wiring to be evaluated for the need to be replaced by this project include
 - Signal head wiring
 - Vehicular signal displays
 - Pedestrian signal displays
 - Pedestrian detector cable
 - Internally-illuminated sign power
 - Emergency vehicle preemption equipment indicators and antennae
 - Streetlights and illuminated street name signs
 - Check underground facilities for condition and ensure that the conduits have the capacity, good condition to accommodate all remaining wiring (detector lead-in) and new or replacement wiring including appropriate separation of voltage levels between conduits. If existing conduit and pull boxes are inadequate, include replacement of these items in the plan.
 - Analyze pedestrian and shared-use path facilities and make recommendations to possibly improve access to traffic signal-related pedestrian detection
 - 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.
- 1.5 Preliminary layouts will be prepared, including right-of-way impacts, any associated utility impacts, and any environmental concerns will be identified as part of this project.
- 1.6 Construction cost estimates and, if needed, right-of-way estimates and exhibits shall be prepared.
- 1.7 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**
- 1.8 Construction plans and specifications will be prepared to be a complete and biddable set of construction plans.
- 1.9 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.
- 1.10 Plans will include a note stating all existing traffic signal equipment that is salvageable be returned to the City of Dublin. This will include a detailed matrix.
- 1.11 In order to separate the power feed to the traffic signal and the street lighting, a new 3-wire power service will be requested to include metered service in addition to the standard disconnect switch. (Metered power service is a new AEP policy for all traffic signal installations.)
- 1.12 A note will be provided for the contractor to test and replace, as directed by the engineer, any ground rods that are providing excessive resistance. If replaced, the contractor will contact OUPS for underground utility information.
- 1.13 Maintain existing signal phasing and signal timing.
- 1.14 Communication capability shall be maintained or established.
- Cabinet/traffic signal controller must accommodate the City's fiber in its final configuration.
 - Relocate Connected Vehicle technology from existing cabinet to new cabinet, including



- TNL FlowCubes
- 1.15 Specify the timeframe to
 - remove the existing signal and install the new signal to a state of vehicular operation;
 - restore pedestrian signals and pedestrian detection to full operation;
- 1.16 Survey. Survey work to be included as consultant deems appropriate. Provide description of consultant's rationale for surveying work in Proposal.
- 1.17 Right-of-Way. Additional right-of-way is not anticipated to be required for this project.
- 1.18 Maintenance of Traffic. Prepare a detailed maintenance of traffic plan along Frantz Road and Metro Place South during construction, including to maintain pedestrian access during construction.
- 1.19 Progress and Review Meetings. Consultant will meet as necessary with City of Dublin staff to report progress and review details. Expected meeting dates and submission dates are:

Progress & Review Meetings (days after notice to proceed)			
Plan Review			Final Plan Submission
Kick-off	30%	90%	
7	30	65	90

- 1.20 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.
- 1.21 Geotechnical: Not expected to be needed for this project.
- 1.22 Private utilities: Identify impacts and coordinate with private utilities.
- 1.23 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 Signal Plans
 - At 60% 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, Signal Plans, and Signal Details
 - 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 Signal Plans, Signal 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 within at the target dates outlined in Section 1.19.
- 2.2 Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent submittals.

3. TIME OF COMPLETION

- 3.1 The date of submission of final plans shall not be later than **January 13, 2023**.



4. CONTACT INFORMATION

If you have any questions regarding this project, please contact the City's Project Manager or alternate contact. 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:

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