



City of Dublin

REQUEST FOR PROPOSAL

City of Dublin, Ohio

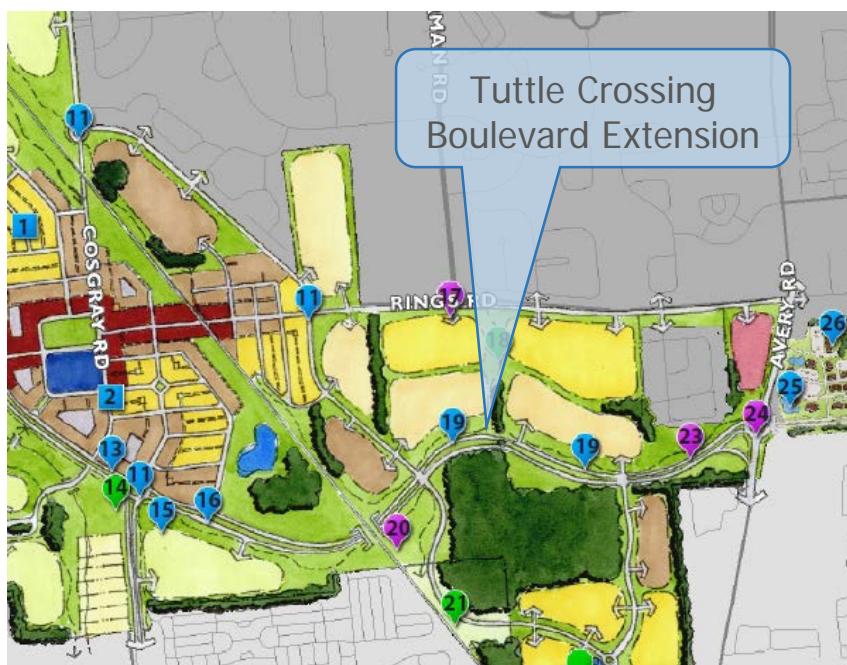
Division of Engineering

Tuttle Crossing Boulevard Extension, Phase 2 Preliminary Engineering

EXECUTIVE SUMMARY

The City of Dublin is requesting proposals to perform preliminary engineering for the Tuttle Crossing Boulevard Extension, Phase 2 project. The study will be funded by the City of Dublin.

As such, the City would like to hire the professional services of a consulting engineering firm to prepare preliminary engineering for the extension of Tuttle Crossing Boulevard from its future intersection with Avery Road west to Cosgray Road. The preliminary engineering effort will include determining how best to cross the CSX Rail Road with either a bridge or a tunnel. The City of Dublin, Division of Engineering is hereby requesting a PROPOSAL from selected, multi-disciplined, professional engineering consulting firms. The majority of the design professionals involved with the project must be located in Central Ohio. The selected firm will provide the professional engineering services for this project in accordance with the Project Description and Scope of Services described below.



Tuttle Crossing Boulevard Extension, Phase 2

1.0 PROJECT DESCRIPTION

- 1.1** The preliminary engineering shall include determining the intersection traffic control for the future intersection of Tuttle Crossing Boulevard and Cosgray Road. A roundabout and traffic signal, at a minimum will be analyzed. If it is determined that a roundabout is not feasible, then the consultant must be prepared to evaluate a minimum of two additional solutions. If a traffic signal is selected, turn lane lengths and all other associated infrastructure must be evaluated as well.
- 1.2** This work will include establishing existing traffic volumes and year 2040 volume projections, existing and future capacity analyses, preliminary alignments, both horizontal and vertical, right-of-way impacts, utility impacts, and environmental concerns for the intersection solutions. Preliminary alignment will be based on the City of Dublin current Community Plan.
- 1.3** Consultant will coordinate the future intersection of Scarlett Lane (from the Avondale Woods neighborhood) with Tuttle Crossing Boulevard and recommend the appropriate intersection control type. The Consultant will also coordinate and determine the best location for an emergency warning siren access point from Scarlett Lane to the siren. The Traffic Impact Study and any construction drawings will be provided to the successful consultant for this work.
- 1.4** The Consultant should expect to approach development of the roadway typical section 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.
- 1.5** The Consultant should expect to provide sufficient space in typical section to allow for placement of power duct bank, Dublink, and other utilities as deemed necessary.
- 1.6** Consultant to explore extending Bonanza Lane to Tuttle Crossing Boulevard and any associated impacts. Based on the results of this investigation, results will be presented during a public meeting to gather feedback from neighborhood.
- 1.7** The Consultant will determine the optimal distance from the railroad (both east and west of railroad) where a new intersection can be placed for a new north/south roadway to connect Tuttle Crossing Boulevard Extended to Rings Road to the north and opening up land for development to the south.
- 1.8** A preliminary design to extend water and sanitary sewer, based on City of Dublin master modeling, should also be included in the preliminary engineering effort.
 - 1.8.1** Assume the water will be looped in from Avondale Woods development and extend west to Cosgray Road. Extend water line south along Cosgray Road to the existing terminus in Columbus. The Consultant will determine exact limits.

- 1.8.2** Develop a plan to bring public water to well facility for the Ponderosa neighborhood.
 - 1.8.3** Extend sanitary sewer at stopping point with the Tuttle Crossing Boulevard plans west to the east side of the railroad tracks.
 - 1.8.4** Develop a plan to bring the Ponderosa sanitary sewer on site treatment outfall to the public sanitary sewer system is required
- 1.9** Consultant should develop a public involvement plan and assume one public meeting and web page design and support.

2.0 PRELIMINARY ENGINEERING

- 2.1** 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.
- 2.2** Assume roadway typical section to be a 4/5 divided roadway with bike lanes and shared use paths on both sides of Tuttle Crossing Boulevard, including the RR crossing, and on the east side of Cosgray Road. Assume a 45 mph speed limit along Tuttle Crossing Boulevard. Consultant will determine the design speed for Cosgray Road.
- 2.3** Additionally, a preliminary design of drainage layouts will be needed, including storm water best management practice (BMP) mitigation approach and possible locations.
- 2.4** Consultant to 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.
- 2.5** Construction cost estimates shall be prepared 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.
- 2.6** 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.
- 2.7** An assessment of potential right-of-way impacts is absolutely required. 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.
- 2.8** Determine the locations to perform non-destructive testing (include up to sixteen locations in the proposal) to verify the depth of existing utilities.



3.0 PRELIMINARY ENGINEERING REPORT

- 3.1** The Consultant shall prepare a report that combines documentation from the various phases of the project (existing conditions, future conditions, roundabout layout, and/or other alternatives identified as necessary, right-of-way, drainage design and layout, BMP's, cost estimate) to create a cohesive and comprehensive account of the preliminary engineering efforts. A draft report will be submitted to city staff for review prior to final submittal. All project documentation will be provided in hard copy and electronic (PDF) format. The final report will be prepared in 8.5"x11" format with graphics not exceeding 11"x17."
- 3.2** Consultant must incorporate comments from Dublin and provide a disposition of comments in subsequent report submittals.
- 3.3** The Consultant shall summarize, and format specifically, any and all recommendations and graphics for posting on the city's website.
- 3.4** The consultant team will assist city staff in preparation of a report to city council that summarizes key findings and recommendations. Exhibits for council reports, including, but not limited to, renderings of all intersection types analyzed and property impact drawings, will be developed.

4.0 TIME OF COMPLETION

- 4.1** The Consultant affirms that time is of the essence regarding the execution of this project and furthermore accepts the City's commitment to have completed the Preliminary Engineering by Friday, August 31, 2018.
- 4.2** Status Meetings. Consultant will email project updates on a weekly basis.
- 4.3** Failure of the Consultant to comply with the above-established deadline will jeopardize consideration of the Consultant for providing professional engineering services on future City projects and may be used as cause to reject future proposals submitted by the Consultant to the City.

5.0 PROPOSAL CONTENT

Evaluation of the Proposals and ultimate selection of the consultant shall be based on the following criteria:

5.1 Firm and Individual Qualifications

- 5.1.1** The competence of the firm to perform the required services as indicated by its background and experience on similar projects. Consultant should list and describe no more than five (5) projects that best demonstrate their experience on similar projects and provide the Estimated Construction Cost and the Final Construction Cost of each project.
- 5.1.2** Technical qualification, training, education, and experience of the offerer's principals and key technical personnel who would be

assigned to perform the work. Resumes shall only be included in the Proposal for those individuals who will actually be involved in the project and assisting in the performance of the work. No other resumes shall be included.

- 5.1.3** Name and experience of principal responsible for the work.
- 5.1.4** Name and experience of project engineer that would be responsible for managing the project for the Consultant and would be the primary contact with the City during the progress of the work.
- 5.1.5** Name and experience of engineers and/or technicians that would be assisting in the performance of the work.
- 5.1.6** Name and experience of key personnel from all subconsultants that would be assisting in the design and completion of this project.

5.2 Capacity to Perform the Work

- 5.2.1** Consultant's statement of understanding of and approach to the Scope of Services and other requirements relating to performance of their work.
- 5.2.2** The capacity of the firm to perform the required services competently and expeditiously to meet proposed schedules as indicated by the firm's size and availability of necessary personnel, subconsultant(s) availability, current workload, and equipment and facilities.

5.3 Time of Completion

- 5.3.1** The demonstrated commitment of the firm to perform the work expeditiously and without delay.
- 5.3.2** The ability of the firm to meet the Time of Completion as outlined in Sections 6 and 7.4.

5.4 Compensation

- 5.4.1** All professional services will be provided on a cost plus fixed fee basis with a not to exceed amount unless otherwise authorized. Fees for additional items, as requested and authorized, will be established separately. The proposed fee will be based on completion of Preliminary Engineering by August 31, 2018. Failure to submit fee proposal may cause the City to reject the Proposal for this project.

5.5 References

- 5.5.1** Quality, responsiveness, timeliness, and cost of work previously performed and completed for the City or other municipalities.

- 5.5.2** Completeness of thoroughness of work performed. Accuracy of previous estimates of professional fees and estimated construction costs relative to final construction costs.
- 5.5.3** Capabilities of key technical personnel who were assigned to perform and complete the work.
- 5.5.4** Capabilities of key technical personnel from all subconsultants who were assigned to perform and complete the work.
- 5.5.5** The ability of the consulting firm to meet schedules and deadlines.
- 5.5.6** The ability of the consulting firm to control costs and meets budgets.
- 5.5.7** Overall communication and cooperation of the consulting firm and its principals and key technical personnel with the client.

6.0 Proposal Requirements

- 6.1** Responding firms shall include in their Proposals all the information that is requested in Section 7, Proposal Content. Firms are encouraged to provide any additional information they feel will further demonstrate the firm's qualifications and abilities to acceptably complete this project but are hereby instructed to limit such additional information to that which is directly relevant to the services being requested.
- 6.2** The Proposal shall not exceed twenty-five (25) pages. Any superfluous information included not relevant to the services being requested only lengthens the review of a Proposal and could certainly detract from the true merits of the Proposal. Three (3) hard copies shall be submitted.
- 6.3** Electronic submission will be accepted for the Proposal. The submission must be compatible with Adobe v 8.0, in a single file, and be formatted to print on standard office paper sizes. No pages shall be larger than 11"x17." Fax submissions will not be accepted.
- 6.4** All material submitted in accordance with this RFP becomes property of the City and will not be returned.

If you have any questions regarding this RFP, please contact Jean-Ellen Willis, PE at (614) 410-4633; jwillis@dublin.oh.us. Any other contact with City personnel related to this RFP, prior to the formal selection of the Consultant, is expressly prohibited without the consent of the City's Project Manager.

The Proposal should be submitted to the following address no later than **4:00 PM on Friday, July 28, 2017. Proposals received after this deadline will NOT be considered.**

Consultants should submit their Proposal to:



Tina Wawszkiewicz, PE

City of Dublin, Ohio
Division of Engineering
5800 Shier Rings Road
Dublin, OH 43016

or twawszkiewicz@dublin.oh.us