

AGENDA ITEM COVER SHEET



Trustee Meeting Date:	Agenda Item Type:
October 13, 2026	Business Item
Submitted By:	
Lisa D. Brown, Township Administrator	

Motion:

Motion to accept proposal from TEC Engineering, Inc. for preliminary design, corridor analysis, and public involvement for US 42 and Dimmick Road; and, authorize Township Administrator to execute all other documents necessary to effectuate the project with Law Director approval

Background:

West Chester Township received a proposal from TEC Engineering, Inc. to complete preliminary engineering for potential improvements at the US 42 and Dimmick Road intersection. The study will include traffic counts, crash and capacity analysis, evaluation of traditional intersection and roundabout alternatives, preliminary design, cost estimates, and grant application assistance.

Please approve the proposal from TEC Engineering, Inc. in an amount not to exceed \$70,000.00 for the listed services for the US 42 and Dimmick Road intersection.

Finance	Budgeted Item:	N/A;		
	CIP #:			
	TIF Info:			
	Purchase Req. #:	26003471	Total Encumbrance:	\$ 70,000.00

July 10, 2026

Mike Huxsoll
Community Services Director
West Chester Township
9577 Beckett Road
Suite 900
West Chester, Ohio 45069

RE: Preliminary Design – US 42 & Dimmick

Dear Mr. Huxsoll:

TEC Engineering, Inc. is pleased to submit a response to your Request for a Proposal for a Preliminary Design for the intersection of US 42 & Dimmick Road in West Chester Township. Based upon our discussion, we propose the following:

Scope of Work:

1. Field Data Collection

Study Area

The study area for the preliminary engineering will include the intersection of US 42 & Dimmick Road. (encompassing approx. 300 feet on each leg)

TEC will collect field data including existing geometry, roadway conditions, traffic observations, etc. in the study area. TEC will use GIS to determine Right of Way.

Traffic Counts

TEC will complete manual turning movement traffic counts at the intersection of US 42 & Dimmick Road. Counts will be completed for 24 hours on a typical day.

2. Analysis

Crash Analysis

TEC will use the ODOT GCAT system to gather 3 years of crash data (2023-2025). TEC will compile collision diagrams and crash analysis for the intersection US 42 & Dimmick Road.

TEC will use the Highway Safety Manual methodology and ODOT's safety study guidelines to determine the expected and predicted crashes in order to develop countermeasure improvements.

Capacity Analysis

Based on discussions with the client, TEC will review the capacity at the intersection of US 42 & Dimmick Road.

TEC will complete capacity analysis for the following conditions: 2036 No Build and 2036 w/Proposed Recommendation(s)

This analysis will include Build Scenarios for a traditional intersection and a roundabout. TEC will develop preliminary construction cost estimates for both alternatives.

3. Recommendations

TEC will utilize the results of the crash analysis and capacity analysis to develop recommendations for the intersection. TEC will also develop a cost-benefit analysis based on the recommendations (ECAT). TEC will review pedestrian improvements as well as access management improvement at the intersection.

A meeting with the Township will be held to discuss the recommendations prior to finalizing the preliminary engineering. Recommendations will be modified, if necessary, following the meeting.

4. Design

TEC Engineering, Inc. will provide the client with a preliminary design based upon the Township's GIS files. This design will show the recommended improvements. Based upon this design, TEC will review any right of way impacts for discussion with the client. TEC will also use this design to develop a construction cost estimate.

6. Meeting

TEC Engineering, Inc. has provided for two meetings with West Chester Township.

Deliverables

As part of the scope of services TEC Engineering, Inc. will provide the client with the following:

- Preliminary engineering for the intersection of US 42 & Dimmick
- A construction cost estimate for the proposed design at the intersection of US 42 & Dimmick

Grant Application

TEC will assist the Township with a grant application for the project.

Schedule:

TEC will begin work following your notice to proceed. A preliminary copy of the study will be provided to your office for review within 60 days following your notice to proceed.

Fee:

TEC's fee for this work will be ***nineteen thousand two hundred dollars (\$19,200)***. This work will be billed on a time and expense not to exceed basis.

If Authorized Scope:

Corridor Analysis

TEC will also consider the design of the corridor from Fields Ertel to Cox Road. TEC will conduct additional traffic counts at the intersection of US 42 & West Chester Road and US 42 & Cox Road. TEC will work with the Township to develop potential re-development based upon the Township's land use. This re-development scenario will be used to generate potential traffic along the corridor. TEC will complete a capacity analysis of the corridor to evaluate the corridor and its ability to handle the development traffic. Potential streetscape and access management along US 42 from Fields Ertel to Cox Road will be reviewed. The County's preliminary engineering for West Chester Road & US 42 and US 42 & Cox Road will be considered.

TEC Engineering, Inc. will provide the client with a preliminary design based upon the Township's GIS files. This design will show the recommended improvements from Fields Ertel Road to Cox Road. Based upon this design, TEC will review any right of way impacts for discussion with the client. TEC will also use this design to develop a construction cost estimate.

<i>Corridor Analysis Fee - \$21,160</i>
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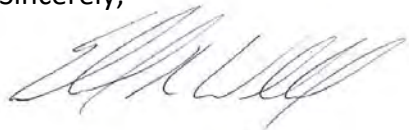
Public Involvement

TEC will work with the Township to develop material for a public meeting. This work may include displays, agendas, etc. In addition, TEC will attend the meeting and collect all comments from the meeting.

<i>Public Involvement Fee - \$3,015</i>
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We appreciate the opportunity to provide you with this scope of work and look forward to working with you on this project. Please call us at (513) 701-9804 if you require any further information.

Sincerely,



Edward Williams, PE, PTOE, RSP
Senior Vice President

- ☐ US 42 & Dimmick Road Preliminary Engineering - \$19,200
- ☐ US 42 Corridor Analysis - \$21,160
- ☐ Public Involvement - \$3,015