

March 9, 2005

Mr. Richard Fair, P.E.
City Engineer
City of Mason
6000 Mason Montgomery Road
Mason, Ohio 45040

RE: US 42 & Tylersville Road Intersection Improvements
TEC PN: P05001-005

Dear Mr. Fair:

We are pleased to present our engineering cost estimate for the above referenced project. The project will be divided into two separate scopes. The first, provided here, will supply the City of Mason with a scope to complete Steps 1-8 in the ODOT Minor PDP process. We have reviewed the project and compiled the following scope:

Scope of Work:

1. TEC will develop a red flag summary for the project and notify the City of Mason of any problem areas associated with the project. Continuous updates regarding project progress and areas of concern allow for client input in the preliminary design process. This results in a more efficient final design process.

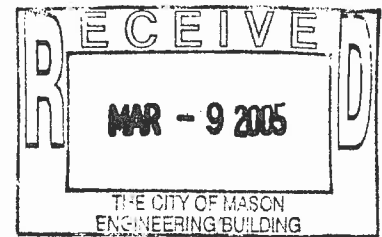
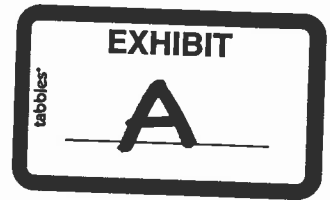
The cost for this work will be *two thousand dollars (\$2,000.00)*.

2. In Step 3, TEC will perform an environmental analysis and preliminary engineering. Under this scope, the environmental analysis will include the completion of the CE 1 documentation.

The cost to complete the CE 1 documentation will be *five thousand dollars (\$5,000.00)*.

We will conduct all initial field work, including necessary court house research. TEC will survey the existing roadway sections and drainage facilities for the project. The survey will also extend far enough to identify all necessary information for the Maintenance of Traffic plan. It is imperative to keep traffic and all driveway accesses open during construction to minimize the impact to the surrounding businesses and community.

The cost to complete the necessary field work, survey and court house research will be *eight thousand dollars (\$8,000.00)*.



TEC Engineering, Inc.

161 Northland Boulevard, Suite A, Cincinnati, OH 45246 • 513.771.8828 • 513.771-0707 Fax
8163 Old Yankee Street, Suite D, Dayton, OH 45458 • 937.435.8828 • 937.435.8833 Fax
214 West Main Street, Mason, OH 45040 • 513.229.8829 • 513.229.8840 Fax



3. In Step 4, TEC will develop and submit Stage 1 Detailed Design Plans. Once a preliminary plan is devised, the utility companies will be contacted to show the project impact upon their facilities, highlighting any possible conflicts.

The project design will be based on the recommendations made in the Safety Study completed by TEC Engineering, Inc. in September of 2004. This work includes:

- i) Reconfigure the signal phasing at the intersection of US 42 and Tylersville Road to allow protected only left turns from the westbound approach.
- ii) Create a separate and standard intersection right turn lane for westbound Tylersville Road.
- iii) Reconfigure the signal phasing at the intersection of US 42 and Tylersville Road to allow protected only left turns from the eastbound approach.
- iv) Provide an advanced traffic control sign (W3-3) on the eastbound approach on Tylersville Road.
- v) Create a separate and standard intersection right turn lane for eastbound Tylersville Road.
- vi) Eliminate the first driveway located to the north of the intersection. Currently, the United Dairy Farmers has two driveways on the northbound approach, the southern most entrance is located very close to the intersection and should be closed.

The cost for the Stage 1 Detailed Design Plans will be *seven thousand dollars (\$7,000.00)*.

4. In Steps 5-8, TEC will complete the Stage 2 and Stage 3 Detailed Design for the project. During the completion of the Stage 2 and Stage 3 Detailed Design, TEC will continually update the construction cost estimate for the project to reflect any changes in the design that occur.

The cost for the Stage 2 and Stage 3 Detailed Design Plans will be *fifteen thousand dollars (\$15,000.00)*.

In addition, TEC will develop and submit the Right-of-Way plans for the project. Please note, this work will not include any costs associated with property negotiation.

The cost for the Right-of-Way plans will be *eight thousand dollars (\$8,000.00)*.

Our estimated fee for the scope listed above will be *forty-five thousand dollars (\$45,000.00)*. This project will be billed to you on a time-and-expense, not-to-exceed basis.

Sincerely,

Edward R. Williams, P.E.
Project Engineer

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