

## 1. **PROJECT IDENTIFICATION**

**Contract No.** 19-9002

**State Project Nos.** FD52 008 075 175-176  
FD52 008 075 177-179  
FD52 008 075 169-178

**County:** Boone

**Routes:** KY 338, KY 536, I-75

**Local Route Names:** Richwood Road, Mt. Zion Road

### 1.1 **PROJECT SCHEDULE**

The submittal process shall involve a 3-step process (Statements of Qualifications, Technical Proposal, and Price Proposal). Below is a schedule of dates for the submittal:

<b>Date</b>	<b>Submittal</b>
Early May 2019	Advertisement
May 17, 2019	Pre-Proposal Meeting (Mandatory)
May 31, 2019	Statements of Qualifications Due
June 14, 2019	Short-list
June 19, 2019 thru August 30, 2019	Alternate Technical Concept Process
September 9, 2019	Alternate Technical Concept Approvals
October 4, 2019	Technical Proposals Due
October 18, 2019	Price Proposals Due
By October 31, 2019	Project Award
November 1, 2022	Project Completion Date

### 1.2 **PROJECT-RELATED INFORMATION**

The following information is available for review and use by the Design-Build Team (DBT) in the online archive at the following location:

<https://transportation.ky.gov/Construction-Procurement/Pages/Design-Build-Projects.aspx>

- A. Project Map and KMZ's (KY 338, KY 536 and I-75)

The following information is available for review and use by the Design-Build Team (DBT) at the Pre-Proposal Meeting:

#### **6-18: KY 338 Richwood Road Interchange**

- A. Advanced Construction Plans including Roadway, Structures, MOT, Traffic, and Utilities included in contract, and utility reference plans. Final stamped plans will be available on **July 15, 2019.**
- B. Preliminary Railroad Plans
- C. Drainage Folders

(See Section 14.2 for correlation of Completion Date and Price Proposal). If the project is not completed by the completion date identified in the DBT's proposal, per Section 108.09 of the Standard Specifications, liquidated damages shall be applied for each calendar day including weekends and holidays. Contrary to current specifications, the liquidated damage rate shall be \$15,000.00 per day, and will be assessed through the winter months and during any times when a work item cannot be pursued due to seasonal limitations.

## **6.1 ALTERNATE TECHNICAL CONCEPT (ATC)**

### **6.1.1 DEFINITION**

An Alternative Technical Concept (ATC) is a change to the Project Scope that provides a solution that is equal to or better than the required scope as determined by KYTC. The ATC process allows for innovation, increased flexibility, time reductions, and cost savings to deliver the best value for the public. Where the Contract Documents reference specific patented, proprietary material; or semi-finished or finished article, product, or item for incorporation into the work, the DBT may submit an ATC for approval of an alternative material, article, product, or item that meets or exceeds the requirements and intent of the Contract work, provided that the material, article, product, or item is equal or better in quality, performance, and function, based upon documented engineering analysis. ATCs are not intended to replace pre-bid questions.

### **6.1.2 SUBMISSION REQUIREMENTS**

DBTs may submit ATC documents for consideration by the KYTC beginning June 19, 2019. KYTC will review all ATCs through **August 30, 2019**. Each ATC may include multiple issues to be considered by KYTC. The DBTs shall clearly identify each individual portion of the ATC proposal that is a proposed change to the Project Scope.

A DBT shall submit one (1) unbound version of the ATC, and one (1) CD/DVD or one (1) USB "thumb" drive containing two (2) electronic files of the ATC as follows:

- A. One (1) electronic searchable single file PDF which does not restrict printing or copying text, images, and other content.
- B. One (1) electronic password protected single file PDF which restricts copying of text, images, and other content.

Alternate Technical Concepts shall be received no later than 4:00 p.m., Eastern Time, on **August 30, 2019**. The KYTC shall reject any proposal received after aforementioned date and time and return it unopened to the DBT. In order to be considered, the original ATC shall be signed in blue ink by an authorized representative of the DBT.

The submittal shall either be mailed or hand delivered to:

Rachel Mills, PE, Director  
Division of Construction Procurement  
200 Mero Street  
Frankfort, KY 40622

The outside cover of the package shall be marked:

Alternate Technical Concept for  
Boone County  
KY 338 Interchange, KY 536 Interchange, and I-75  
Item No. 6-18, 6-14, & 6-20002  
CID No. 19-9002  
Design-Build: FY 2019 Design Build #2

KYTC will accept ATC's electronically. The ATC or link should be e-mailed to [Rachel.Mills@ky.gov](mailto:Rachel.Mills@ky.gov). Be aware that KYTC cannot accept e-mail attachments that are 10 MB or larger. For any DBT wishing to submit a hardcopy, it can be delivered to the KYTC Central Office or the KYTC District 6 office (c/o Robert Franxman).

**6.1.3 EVALUATION OF ATCs**

ATCs are approved by the KYTC at its discretion and the KYTC reserves the right to reject any ATC submitted. KYTC shall attempt to evaluate all ATCs and ATC reconsiderations within 14 calendar days of receipt. However, this timeframe cannot be guaranteed, particularly for complex or unusual concepts. KYTC will either accept or deny all ATCs **no later than 21 days before** proposals are due. KYTC shall not consider any change that would require excessive time or cost for review, evaluation, or investigation.

**6.1.4 CONTENTS**

ATCs shall contain the following information detailed below. Incomplete ATC submittal packages shall be returned by KYTC without review or comment. They may be resubmitted before the deadline for ATC submittals.

**6.1.4.1 Description**

A detailed description of the ATC including specifications and conceptual drawings.

**6.1.4.2 Usage**

A description of where and how the ATC would be used on the project.

**6.1.4.3 Deviations**

References to all requirements in the Project Scope that are inconsistent with the proposed ATC, an explanation of the nature of these deviations, and a request for approval of such deviations.

**6.1.4.4 Analysis**

An analysis justifying the ATC and demonstrating why modifications or revisions to requirements of the Project Scope should be allowed. Include information on how the ATC meets or exceeds the project goals. Analysis shall present costs/cost savings associated with concept.

**6.1.4.5 Traffic and Safety Impacts**

A discussion of the impacts the ATC will have on vehicular traffic, pedestrian traffic, railroad traffic and safety, including an operational analysis, if relevant.

**6.1.4.6 Maintenance of Traffic Impacts**

A discussion of the impacts the ATC will have on maintenance of traffic during construction including any impacts on other roadways due to diversion of traffic on proposed or potential detour.

**6.1.4.7 Environmental Impacts**

A discussion of how the ATC is in accordance with the approved Environmental Documents and permits.

**6.1.4.8 Right-of-Way**

A discussion of decreased or additional right-of-way acquisition needed to implement the proposed ATC.

**6.1.4.9 Utilities**

A discussion of decreased or additional utility (public and private) impacts including coordination requirements as a result of ATC implementation.

**6.1.4.10 Maintenance**

A discussion of the long-term maintenance of the proposed ATC.

**6.1.4.11 History**

When applicable, a detailed description of other projects on which the proposed ATC has been used, including contact information (name, title, phone number, address, and email) for project owners that can confirm ATC implementation.

**6.1.4.12 Inspection**

Any additional testing and inspection requirements.

**6.1.4.13 Schedule**

A discussion of project schedule impacts, including design, construction, right-of-way acquisition, utility relocation, and permitting issues.

**6.1.5 *ONE-ON-ONE MEETINGS***

Each short-listed DBT shall be permitted to request one-on-one pre-ATC meetings with KYTC to discuss potential ATCs. Meetings will last no more than two hours. The location of the meetings will be determined by the nature of the ATC. The meetings will be held once every two weeks on Wednesdays beginning June 19, 2019 through August 28, 2019. Short-listed DBTs shall submit a request for a meeting by the Friday in advance of the proposed meeting date. The request must include the issues that the DBT wishes to discuss and/or a general description of the involved ATC concepts in enough detail for the KYTC to select appropriate individuals to attend the meeting. KYTC attendees may participate by teleconference or videoconference. One purpose of one-on-one meetings is to provide DBTs with a general overview of the KYTC's assessment of a proposed ATC's viability. No final decisions will be made during the meeting. Verbal communications, including one-on-one meetings, will be considered non-binding. Discussions during one-on-one meetings shall be confidential.

**6.1.6 *KYTC RESPONSE***

KYTC shall review all ATCs and respond with one of the following determinations:

- A. The ATC is approved and may be included in the DBT's Technical Proposal.
- B. The ATC is approved subject to conditions. The ATC may be included in the DBT's Technical Proposal provided that all approval conditions have