



April 3, 2012

Mr. Charles F. Soules, P.E.
Public Works Director
6 East 6th Street
Lawrence, KS 66044

RE: Iowa Street - Additional Services Agreement
Project No.: 17230.001
City Project No.: PW1012

Dear Chuck:

Bartlett & West is currently working on plans for the reconstruction of Iowa Street from the Irving Hill Bridge to Harvard Road. As a part of the plan development, there have been several meetings and discussions with the University of Kansas regarding proposed improvements and traffic control. As a part of those discussions, KU has agreed to help fund two additional improvements for this project, which include an additional lane on eastbound 15th Street and the addition of a shared use path on the south side of Bob Billings Parkway from the west limits of the current roadway project to Crestline. The scope of services for both of these improvements are discussed in detail below.

15th Street - Additional Lane

First, KU and the City have agreed that it would be beneficial to extend the second eastbound lane on 15th Street from the entrances at the KU Visitor Center entrance to the west edge of Engel Road. This additional lane will be added to the south side of the existing eastbound lane and will become a right turn only lane onto Engel Road. The addition of this lane will allow traffic flow from eastbound Bob Billings Parkway to more effectively travel through the intersection at Iowa Street before merging into the one eastbound lane of 15th Street. The scope of services for this additional service includes the following:

- Provide additional surveying near the intersection of Engel Road and 15th Street. The additional topo will focus on the area south of the existing pavement along 15th Street and on the southwest quadrant of the intersection,
- Remove the existing curb section along the southern edge of 15th Street and add on the additional eastbound lane,
- Relocate the existing sidewalk if necessary,
- Relocate the existing pedestrian crosswalk signal,
- Relocate existing signage,
- Add new signage and pavement markings.

There is a KU monument sign on the southwest corner of 15th & Engel. We will call this out to be relocated by the owner and details for this relocation are not included in this scope of services.

Proposed Fee: \$8,700.00

Shared Use Path Along Bob Billings Parkway

Second, KU has asked for the proposed shared use path along the south side of the Bob Billings Parkway roadway improvements to be extended to Crestline. The west end of the path will tie into the existing shared use path along the east side of Crestline, and therefore, no ramps at Crestline will be constructed. The scope of services for this additional service includes the following:

- No topographical survey or utility relocations will be provided. Instead, the plan sheets for this design will be the City's aerial images along with your LiDAR survey contours,
- The path will generally be located 6 feet from the back of curb,
- It is anticipated that the trees will be removed that are adjacent to the KU facility on the south of Bob Billings Parkway,
- Cross sections will be cut every 50 feet but will be based on the City's two foot aerial contours, which will limit the accuracy of the information.
- Bartlett & West will walk the project site with the City of Lawrence Staff to try to identify any issues prior to bidding.

Since there will be no survey for this work, Bartlett & West cannot provide information for utilities, grades, etc. In addition, the scope of services does not include any retaining wall design, including but not limited to, horizontal and/or vertical placement, structural design, etc.

Proposed Fee: \$7,100.00

Since this work is considered an addendum to the original Iowa Street contract signed on February 1, 2011, we will invoice you monthly according to the rates outlined in the original engineering agreement. This letter agreement will act as an addendum to the original contract, and the contractual obligations of the original agreement will be enforceable for this agreement. Please print and sign a copy of this addendum and return it to me for our files.

Please let me know if you have any questions.

Sincerely,



Joseph G. Caldwell, P.E.

Accepted By:

Charles F. Soules, P.E.
City of Lawrence

Date