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November 28, 2016

Canon Moss Brygger Architects
302 Jones Street, Suite 200
Sioux City, Iowa 51101

Attn: Brian Crichton

Re: Woodbury County Law Enforcement Center
Request for Additional Services (Telecommunications Design Services)
Alvine No. 2016 5357 (Task 802)

Dear Brian:

Alvine Engineering appreciates the opportunity to present this proposal for additional professional telecommunications engineering services for the Woodbury County Law Enforcement Center project.

Project Description

This project consists of a partial remodel of the existing facility in Sioux City, Iowa. An existing telecommunications space will be removed as part of the remodel which will likely affect service to the untouched spaces in the building. A new dedicated space for terminations and equipment will be evaluated and designed to serve the remodeled spaces and to re-serve existing spaces affected by the removal of the existing room.

Basic Telecommunications Design Services

Alvine Engineering proposes to provide the following basic telecommunications design services:

1. Telecommunications structured cabling (voice and data):
 - A. Coordinate the project requirements with the Owner for service to remodeled areas and maintaining continuity of service to existing spaces in the building.
 - B. Coordinate the location of new telecommunications rooms with the design team.
 - C. Design telecommunications systems space, including equipment for termination and mounting of the Owner's network electronics.
 - D. Design voice and data backbone and horizontal cable to telecommunications rooms and work area outlets in the remodeled areas of the building, including wireless access points and IP-based video surveillance cameras.
 - E. Identify and coordinate wireless access points and video surveillance camera locations with the Owner.
2. Add rough-ins (including conduit, sleeves, cable tray, and back boxes) to the base electrical design drawings.