



CALHOUN-BURNS AND ASSOCIATES, INC.

BRIDGES ♦ STRUCTURES ♦ TRANSPORTATION

May 31, 2019

Taylor Roll, P.E.
Hardin County Engineer
708 16th Street
Eldora, IA 50627-0534

**RE: SUPPLEMENTAL AGREEMENT FOR FINAL DESIGN
BRIDGE NO. 16095 (FHWA No. 027280)
SECTION 5, T-86N, R-19W
PROJECT NO. FM-C042(98)--55-42
CB&A No. 2018176**

Dear Mr. Roll:

This Supplemental Agreement is submitted in accordance with our current Consulting Engineering Contract dated April 30, 2018, and your request for final design services for your bridge number 16095, located in Section 5 of Union Township. This bridge is the subject of our preliminary design work previously submitted to Hardin County.

The preliminary design and drawings, which constitute the initial submittals, will be incorporated into the final design drawing package. It must be understood that rehabilitation/widening design work is engineering intensive as it is much more complicated than design of a similar sized new bridge. Thus, our engineering fees must be significantly higher for this job than on other new projects. Upon receipt of your authorization, we will complete the final design computation work, perform final detailing for approximately 26 sheets and submit the final project to the County and Iowa Department of Transportation for letting.

We propose to perform bridge rehabilitation/widening design work for the following fees:

FINAL ROADWAY DESIGN AND DETAILING:	LUMP SUM = \$ 3,800.00
FINAL BRIDGE SUPERSTRUCTURE REHAB/WIDENING DESIGN:	LUMP SUM = \$ 15,980.00
FINAL BRIDGE SUPERSTRUCTURE REHAB/WIDENING DETAILING:	LUMP SUM = \$ 14,770.00
FINAL BRIDGE SUPERSTRUCTURE REHAB/WIDENING DRAFTING:	LUMP SUM = \$ 13,880.00
FINAL BRIDGE SUBSTRUCTURE REHAB/WIDENING DESIGN:	LUMP SUM = \$ 5,640.00
FINAL BRIDGE SUBSTRUCTURE REHAB/WIDENING DETAILING:	LUMP SUM = \$ 5,680.00
FINAL BRIDGE SUBSTRUCTURE REHAB/WIDENING DRAFTING:	LUMP SUM = \$ 5,130.00
FINAL COORDINATION AND SUBMITTALS:	AT HOURLY RATES (ESTIMATED AT \$3,000.00)
GENERAL SERVICES DURING CONSTRUCTION: (SHOP DRAWINGS AND HAUNCHING COMPUTATIONS)	AT HOURLY RATES (ESTIMATED AT \$2,000.00)

1500 30th Street ♦ West Des Moines, IA 50266

WATS 877/241-8003 ♦ Phone 515/224-4344 ♦ FAX 515-224-1385 ♦ email: email@calhounburns.com

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All provisions of the original contract remain in effect except as modified by this Supplemental Agreement.

Please review this submittal and, if it is acceptable, obtain the required County signatures on both copies. Email an executed copy to Sarah Okerlund, P.E., Local Systems Field Engineer – Central Region at the Iowa DOT for approval of payment from your Farm-to-Market Road Fund. Please return one fully executed copy to our office. We are ready to complete the final work on this important project for you and Hardin County.

Sincerely,



MILTON C. CLEMENSON, P.E.
VICE PRESIDENT

IOWA DEPARTMENT OF TRANSPORTATION
ACCEPTED FOR PAYMENT (FM FUNDS):

SARAH OKERLUND, P.E.
CENTRAL REGION LOCAL SYSTEMS FIELD ENGINEER

DATE: _____

APPROVED FOR HARDIN COUNTY:

BOARD OF SUPERVISORS – CHAIR

ATTESTED BY:

TAYLOR ROLL, P.E.
HARDIN COUNTY ENGINEER

DATE: _____