

SCOTT COUNTY ENGINEER'S OFFICE

950 E. Blackhawk Trail
Eldridge, Iowa 52748

(563) 326-8640
FAX – (563) 328-4173
E-MAIL - engineer@scottcountyiowa.com
WEB SITE - www.scottcountyiowa.com



JON R. BURGSTRUM, P.E.
County Engineer

ANGELA K. KERSTEN, P. E.
Assistant County Engineer

TARA YOUNGERS
Administrative Assistant

MEMO

TO: Mahesh Sharma
County Administrator

FROM: Jon Burgstrum, P.E.
County Engineer

SUBJ: Professional Structural Design Services

DATE: October 7, 2019

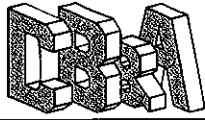
On March 7, 2019, Calhoun-Burns & Associates were hired to perform professional structural design services for preliminary design of two bridge replacement projects that are in FY2020 of our construction program.

Project No. BRS-SWAP-C082(59)--FF-82 (8C Pleasant Valley) is an existing 67'-6 X 28' Steel I-Beam Bridge built in 1972 on Wells Ferry Road over Spencer Creek in Pleasant Valley Township.

Project No. BRS-CHBP-C082(60)--GB-82 (9 Cleona) is an existing 100' X 28' Continuous Concrete Slab Bridge built in 1968 on 20th Avenue over Mud Creek in Cleona Township.

Calhoun-Burns & Associates have completed the preliminary design of the two replacement structures and have submitted supplemental agreements to our contract for final design services. The contract estimate for those services is \$52,260. I recommend approving the supplemental agreements to allow Calhoun-Burns & Associates to complete the final design of these projects. Included with this memo are the supplemental agreements and a project location map.

In FY2019-FY2020, we contracted with two consultants to perform professional design services for nine bridge replacement projects. The majority of these fees are being paid out in FY2020. We may have to amend our professional services budget in March 2021 for a small portion of the contracted expenses. We have a sufficient fund balance to perform the amendment.



CALHOUN-BURNS AND ASSOCIATES, INC.
BRIDGES ♦ STRUCTURES ♦ TRANSPORTATION

September 9, 2019

Angie Kersten, P.E.
Assistant Scott County Engineer
950 E. Blackhawk Trail
Eldridge, IA 52748

**RE: SUPPLEMENTAL AGREEMENT FOR FINAL DESIGN SERVICES
BRIDGE NO. 8C PLEASANT VALLEY, FHWA 302301
PROJECT NO. BRS-SWAP-C082(820)--FF-82
SECTION 8, T-78N, R-05E
CB&A No. 2019140**

Dear Ms. Kersten:

This Supplemental Agreement is submitted in accordance with our current Consulting Engineering Contract dated March 7, 2019, and your recent request for final design services for Bridge No. 8C Pleasant Valley on County Highway Z30 in Claire Township.

As determined in the preliminary design a new 120'-0 x 30'-0 single span Pretensioned Prestressed Concrete Beam (PPCB) bridge will meet the hydraulic criteria and site conditions at this location. In addition, roadway grading and paving will be necessary to properly connect the new structure to the existing grade line. The new bridge and approach hook-up is expected to cost about \$700,000 to construct.

The preliminary design and drawings, which constitute the initial submittals, will be sent to you and other review agencies as appropriate. Upon receipt of the preliminary plan approvals, we will complete the final design computations, perform final detailing and submit the final project to the County for letting.

We propose to perform our final design work for the following fees:

V.B. ROAD PLANS

FINAL DESIGN:	LUMP SUM =	\$	2,960.00
FINAL DETAILING:	LUMP SUM =	\$	2,840.00

V.C. BRIDGE PLANS

FINAL DESIGN:	LUMP SUM =	\$	12,950.00
FINAL DETAILING:	LUMP SUM =	\$	11,940.00

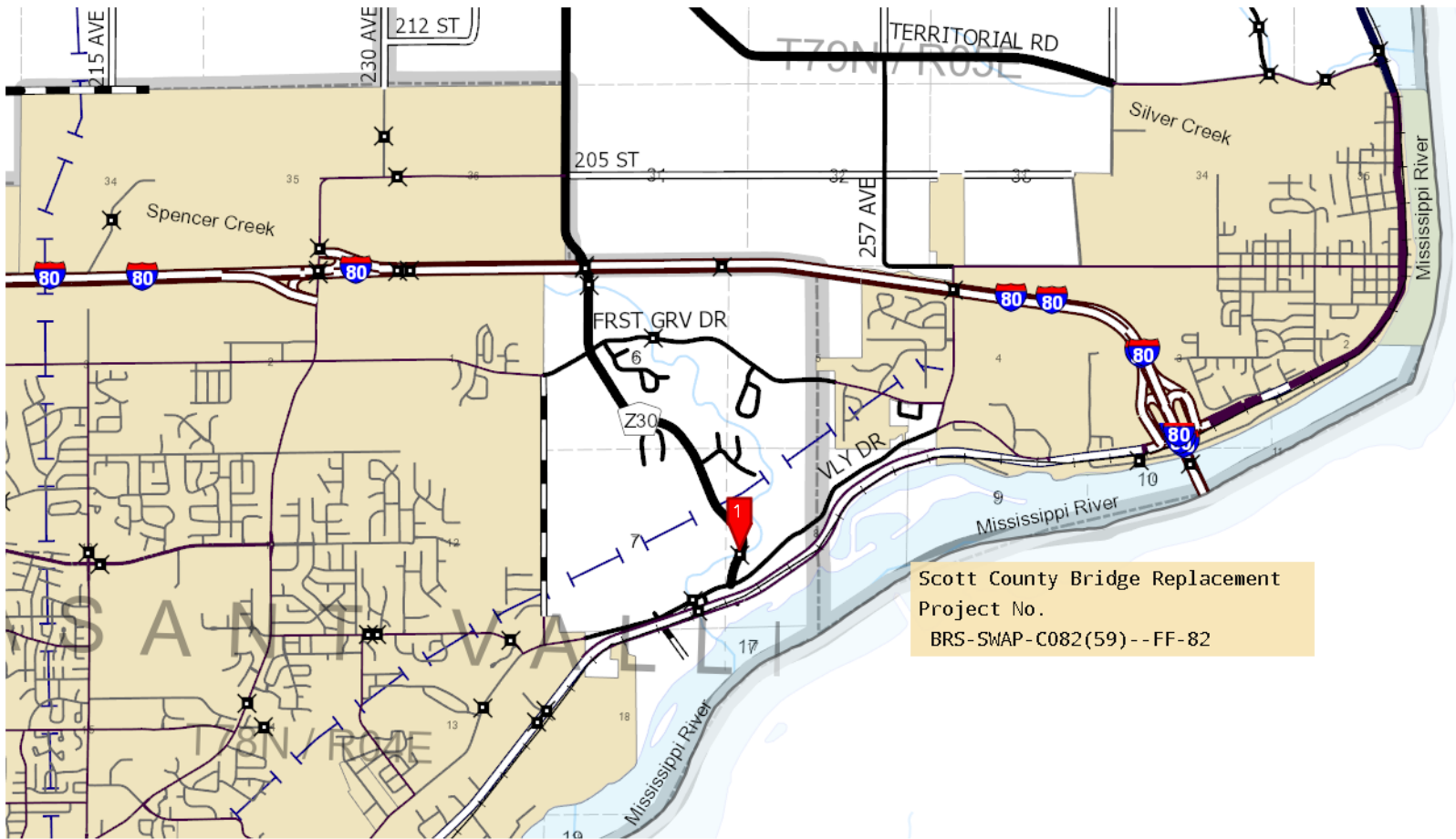
1500 30th Street ♦ West Des Moines, IA 50266

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

Bridge Replacement-302301-PV8C

12:25 PM, Thu, Oct 3, 2019

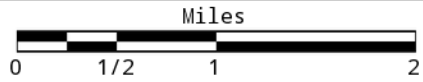
Scott - ICEASB Easy Map

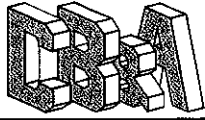


Scott County Bridge Replacement
Project No.
BRS-SWAP-C082(59)--FF-82

Feature Key

- | | | | | |
|-------------|------------|-----------|-----------------|----------------|
| Earth | Gravel | Seal Coat | County Pavement | State Pavement |
| Divided Hwy | Water | City | Township | Railroad |
| Bridge | County Hwy | State Hwy | US Hwy | |





CALHOUN-BURNS AND ASSOCIATES, INC.
BRIDGES ♦ STRUCTURES ♦ TRANSPORTATION

September 23, 2019

Angie Kersten, P.E.
Assistant Scott County Engineer
950 E. Blackhawk Trail
Eldridge, IA 52748

**RE: SUPPLEMENTAL AGREEMENT FOR FINAL DESIGN SERVICES
BRIDGE NO. 9 CLEONA, FHWA 302360
PROJECT NO. BRS-CHBP-C082(60)--GB-82
SECTION 9, T-79N, R-01E
CB&A NO. 2019141**

Dear Ms. Kersten:

This Supplemental Agreement is submitted in accordance with our current Consulting Engineering Contract dated March 7, 2019, and your recent request for final design services for Bridge No. 9 Cleona on 20th Avenue in Cleona Township.

As determined in the preliminary design a new 100'-0 x 30'-6 Continuous Concrete Slab (CCS) bridge will meet the hydraulic criteria and site conditions at this location. In addition, roadway grading and paving will be necessary to properly connect the new structure to the existing grade line. The new bridge and approach hook-up is expected to cost about \$550,000 to construct.

The preliminary design and drawings, which constitute the initial submittals, will be sent to you and other review agencies as appropriate. Upon receipt of the preliminary plan approvals, we will complete the final design computations, perform final detailing and submit the final project to the County and IDOT for letting.

We propose to perform our final design work for the following fees:

V.B. ROAD PLANS

FINAL DESIGN AND DETAILING:

AT HOURLY RATES
(ESTIMATED TO BE \$6,300.00)

V.C. BRIDGE PLANS

FINAL DESIGN:

LUMP SUM = \$ 5,780.00

FINAL DETAILING:

LUMP SUM = \$ 5,690.00

1500 30th Street ♦ West Des Moines, IA 50266

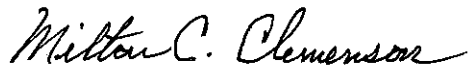
WATS 877/241-8003 ♦ Phone 515/224-4344 ♦ FAX 515-224-1385 ♦ email: email@calhounburns.com

FINAL COORDINATION AND SUBMITTALS:	AT HOURLY RATES (ESTIMATED TO BE \$1,800.00)
GENERAL SERVICES DURING CONSTRUCTION:	AT HOURLY RATES

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

Please review this submittal and, if it is acceptable, obtain the signature and date below and return one fully executed copy to our office. We are ready to complete the final work and will do another good job for you and Scott County.

Sincerely,

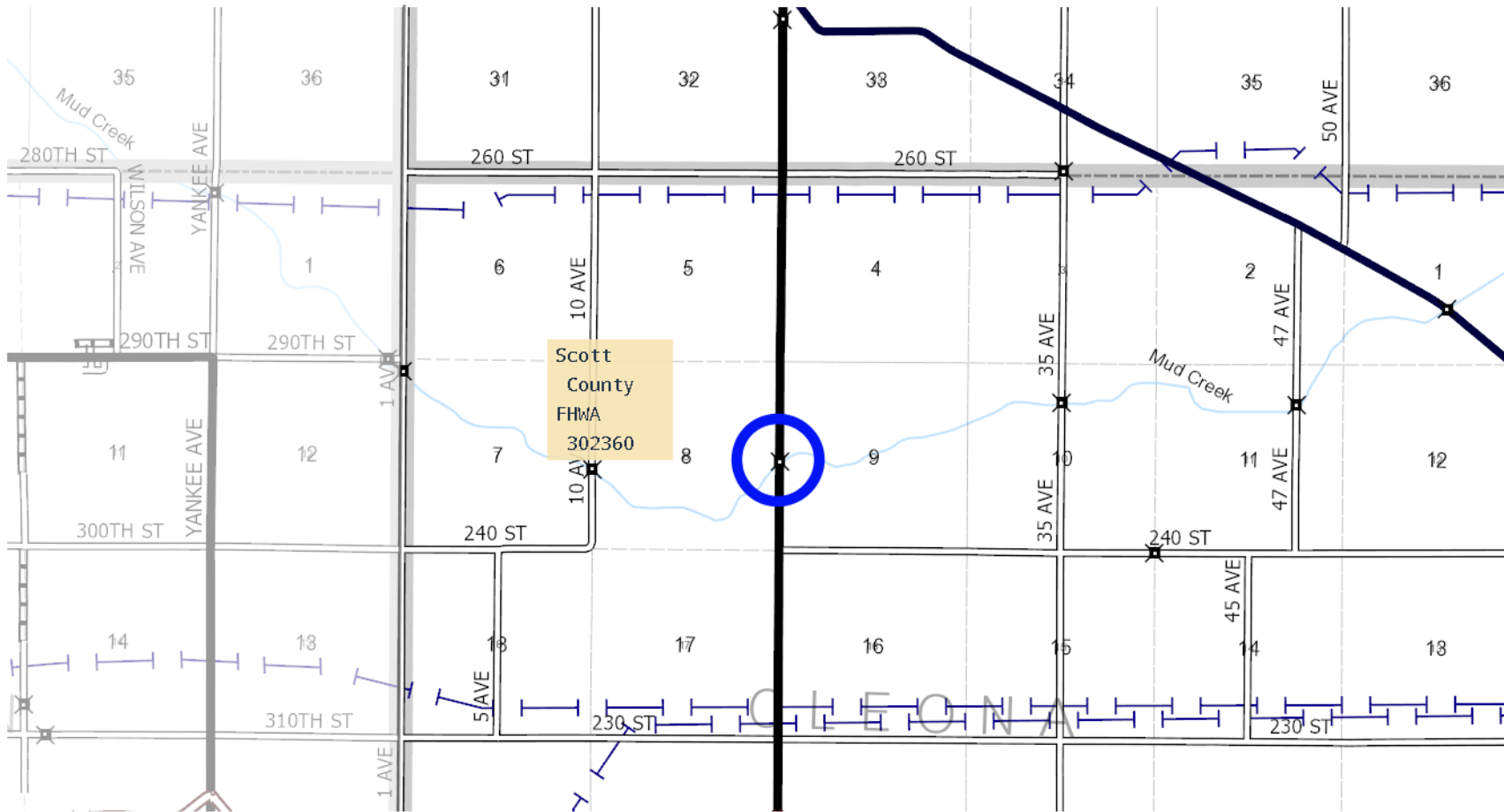


MILTON C. CLEMENSON, P.E.
VICE PRESIDENT

APPROVED FOR SCOTT COUNTY:

JON R. BURGSTRUM, P.E.
SCOTT COUNTY ENGINEER

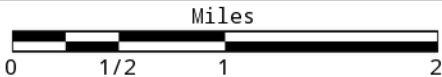
DATE: _____



Feature Key

- | | | | | |
|-------------|------------|-----------|-----------------|----------------|
| Earth | Gravel | Seal Coat | County Pavement | State Pavement |
| Divided Hwy | Water | City | Township | Railroad |
| Bridge | County Hwy | State Hwy | US Hwy | |

Scott County Bridge Replacement
Proj.# BRS-CHBP-C082(60)-GB-82
FHWA# 302360
On 20th Ave over Mud Creek
Sec 9, T79N, R1E



THE COUNTY AUDITOR'S SIGNATURE CERTIFIES THAT
THIS RESOLUTION HAS BEEN FORMALLY APPROVED BY
THE BOARD OF SUPERVISORS ON _____
DATE

SCOTT COUNTY AUDITOR

R E S O L U T I O N

SCOTT COUNTY BOARD OF SUPERVISORS

October 17, 2019

APPROVAL OF CONTRACT FOR PROFESSIONAL STRUCTURAL DESIGN SERVICES

TO PERFORM FINAL DESIGN OF BRIDGE REPLACEMENT PROJECTS

BRS-SWAP-C082(59)--FF-82 AND BRS-CHBP-C082(60)--GB-82

BE IT RESOLVED by the Scott County Board of Supervisors as follows:

Section 1. That Scott County enters into a contract with Calhoun-Burns & Associates for professional structural design services to perform final design of bridge replacement projects BRS-SWAP-C082(59)--FF-82 and BRS-CHBP-C082(60)--GB-82.

Section 2. That the County Engineer be authorized to sign the contract documents on behalf of the Board.

Section 3. That this resolution shall take effect immediately.