

**SCOTT COUNTY ENGINEER'S OFFICE**

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MEMO

TO: Mahesh Sharma  
County Administrator

FROM: Jon Burgstrum, P.E.  
County Engineer

SUBJ: Professional Structural Design Services

DATE: February 26, 2019

In December of 2018, Angie and I met with several consultants to review their qualifications pertaining to professional structural design services. The consultants provided information regarding their experience working with county engineering departments; familiarity with Iowa Department of Transportation design standards, specifications, and project development schedules; knowledge of local, state and federal regulations; and provided example plan sets of similar projects.

In January of 2019, we requested proposals for two FY2019 bridge replacement projects. The consultants were evaluated on their experience and expertise with similar projects, the experience of their proposed project team and key members, the overall quality of their sample deliverable documents, their ability to perform work within the given time-frame and fees.

Based on the criteria mentioned above, two consultants were singled out to perform this type of professional services for our department. Those consultants are IIW, P.C. and Calhoun-Burns & Associates. We entered into an agreement with IIW, P.C. to design the two FY2019 bridge replacement projects.

We solicited a proposal from Calhoun-Burns & Associates to perform professional structural design services for preliminary and final design of four bridge replacement projects that are in FY2020-FY2021 of our construction program.

Project No. L-223--73-82 (8A Butler) is an existing 80' X 24' Steel I-Beam Bridge built in 1960 on 305<sup>th</sup> Street over McDonald Creek in Butler Township.

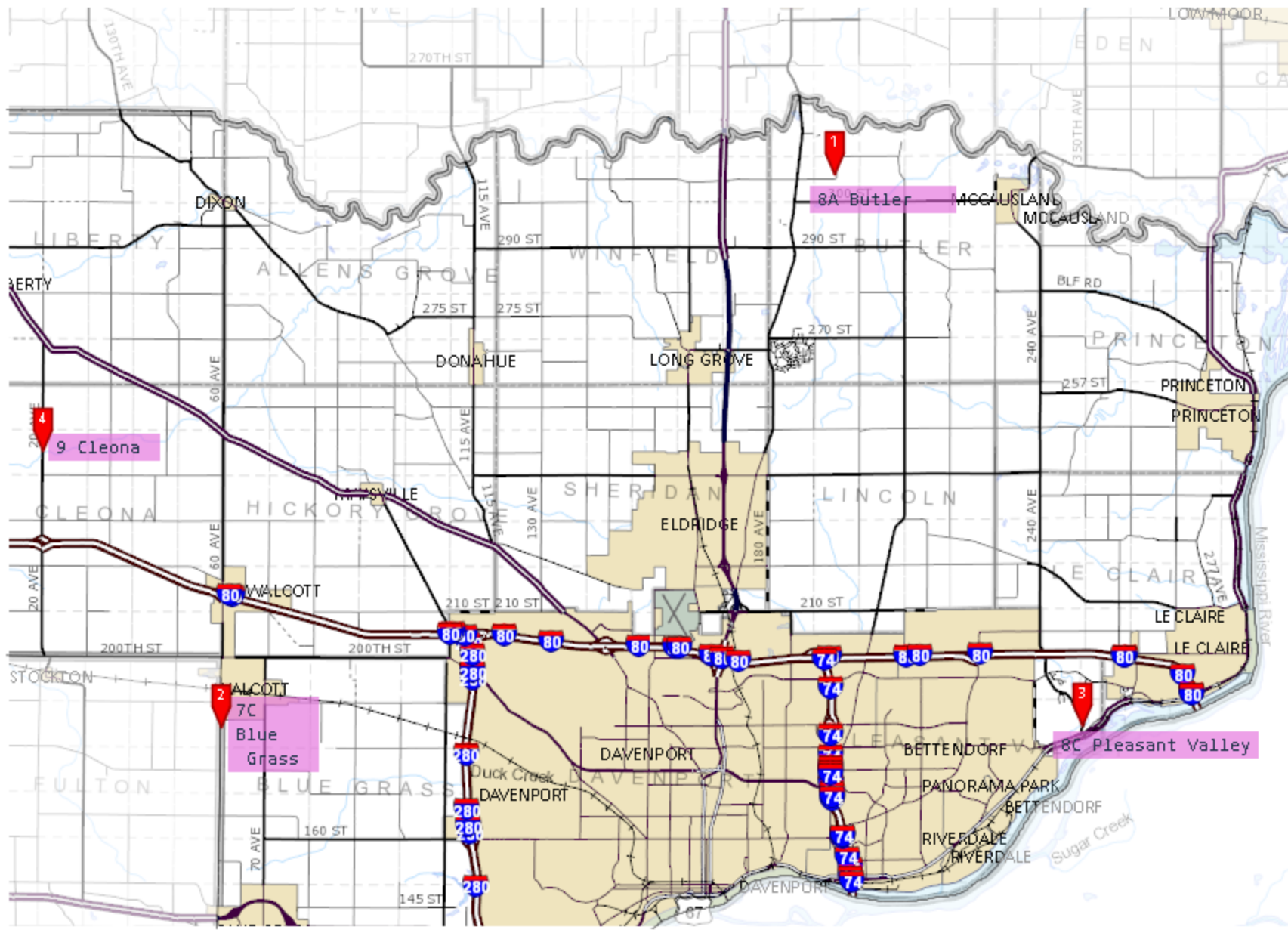
Project No. L-520--73-82 (7C Blue Grass) is an existing Twin 10' x 5' x 26' Reinforced Concrete Box Culvert built in 1924 on 60<sup>th</sup> Avenue over a Tributary to Mud Creek in Blue Grass Township.

Project No. BRS-SWAP-C082(820)--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. LFM-321--7X-82 (9 Cleona) is an existing 100' X 28' Continuous Concrete Slab Bridge built in 1968 on 20<sup>th</sup> Avenue over Mud Creek in Cleona Township.

We recommend entering into a contract with Calhoun-Burns & Associates to perform the professional structural design services for preliminary and final design of the above listed bridge replacement projects. The contract estimate for site survey, feasibility analysis, and preliminary design for the four projects is \$59,900, not including geotechnical services and final design will be negotiated upon determination of final scope of work. Calhoun-Burns & Associates is a firm that specializes in bridge and culvert design services for local public agencies. They have designed over 2,000 bridge and culvert projects across the State of Iowa and have performed design services for 86 out of 99 Iowa counties. Their key team members with bridge design experience include a Principle-In-Charge with over 42 years of experience, Senior Project Manager with over 24 years of experience and Bridge/Culvert Hydraulics Engineer with over 28 years of experience.

Calhoun-Burns & Associates have submitted a thorough and technical proposal that will deliver design documents within the required time-frame for all four projects. Several factors can impact a successful development of a project design. Project design effort, knowledge, skill, and experience with county bridge design using Iowa Department of Transportation standards are all critical factors necessary to provide a quality set of plans that are easy to build from. Calhoun-Burns & Associates have a demonstrated project development method, management approach and knowledge to effectively complete these bridge designs.



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

March 7, 2019

APPROVAL OF CONTRACT FOR PROFESSIONAL STRUCTURAL DESIGN SERVICES  
TO PERFORM PRELIMINARY AND FINAL DESIGN OF BRIDGE REPLACEMENT  
PROJECTS L-223--73-82, L-520--73-82, BRS-SWAP-C082(820)--FF-82  
AND LFM-321--7X-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 and Associates, Inc. for professional  
structural design services to perform preliminary  
and final design of bridge replacement projects  
L-223--73-82, L-520--73-82, BRS-SWAP-C082(820)--FF-82  
and LFM-321--7X-82.

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

Section 3. That this resolution shall take effect  
immediately.