

CALHOUN-BURNS AND ASSOCIATES, INC.

BRIDGES ♦ STRUCTURES ♦ TRANSPORTATION

WOODBURY COUNTY
AUDITOR & RECORDER &
COM. OF ELECTIONS

15a
03/15/16

February 25, 2016

2016 MAR 22 PM 4 28

Mark J. Nahra, P.E.
Woodbury County Engineer
759 E. Frontage Road
Moville, IA 51039-8199

RE: WOODBURY COUNTY BRIDGE INSPECTION AND RATING PROGRAM – 2016

Dear Mr. Nahra:

This proposal for bridge inspection and rating services for your 2016 Program is submitted in accordance with your request for professional structural engineering services. You have asked us to reinspect and rate approximately 169 structures in 2016 from the attached list for the Standard Rating and HS-20 or HL-93 Design Trucks. Posting recommendations will be provided for gross weight allowed and maximum axle weight allowed. We will complete Program Manager and Team Leader assignments, provide master lists, cost estimating and summary listing per the Iowa DOT and FHWA guidelines and requirements.

We propose to reinspect these 169 structures in 2016 for a fee of \$154.08 per bridge. We will perform any required load rating computations including 'SHV' trucks, update scour evaluations and complete the fracture critical inspections to justify deficiencies, changes, replacements, repairs, funding, etc., at the following estimated rates:

- Load Rating Computations: \$110.00 Each
- Updated Level A or B Scour Evaluations: \$ 90.00 Each
- Fracture Critical Inspections: \$800.00 Each

In addition to the above, we will provide assistance with the implementation of the SIIMS database as directed by the County at our hourly rates. Any special equipment costs will be charged to the County as a direct expense as we have done in the past.

Please review this proposal and, if it is acceptable, return one signed and dated copy to us. We will do another good job for you and Woodbury County.

Sincerely,

Milton C. Clemenson, P.E.
Vice President

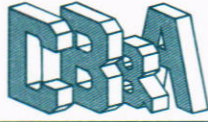
ACCEPTED FOR WOODBURY COUNTY:

Board of Supervisors, Chair

RECOMMENDED FOR APPROVAL:

Mark J. Nahra, P.E.
Woodbury County Engineer

Date: March 15, 2016



**LIST OF BRIDGES FOR
WOODBURY COUNTY BRIDGE INSPECTION AND RATING PROGRAM**

The following bridges will be inspected and complete reports submitted:

2016

| <u>Bridge No.</u> | <u>Bridge No.</u> | <u>Bridge No.</u> | <u>Bridge No.</u> | <u>Bridge No.</u> | <u>Bridge No.</u> | <u>Bridge No.</u> |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| A-225 | C-213 | D-193 | F-115 | H-135 | P-006 | U-012 |
| B-082 | C-224 | D-214 | F-117 | H-181 | P-027 | U-015 |
| B-110 | C-241 | D-254 | F-130 | H-193 | P-035 | U-017-1 |
| B-152 | C-246 | D-270 | G-22-1 | H-203 | P-078 | U-017-3 |
| B-213 | C-266 | E-006 | G-043 | H-248 | P-107 | U-023 |
| C-007 | C-268 | E-034 | G-058 | H-266 | P-191 | U-044 |
| C-010 | C-274 | E-063 | G-084 | J-178 | P-237 | U-051 |
| C-027 | C-278 | E-066 | G-089 | K-014-10 | P-253 | U-086-2 |
| C-029 | C-280 | E-092 | G-106 | K-019 | P-260 | U-091 |
| C-043 | D-015 | E-093 | G-127 | K-020 | P-276 | U-103-1 |
| C-064 | D-018 | E-099 | G-135-2 | K-046 | P-280 | U-105 |
| C-080 | D-019 | E-116 | G-146 | K-118 | P-283 | U-137 |
| C-086 | D-028 | E-229-1 | G-149 | K-185 | P-285 | U-138 |
| C-092 | D-038 | E-239 | G-151 | K-199 | Q-010 | U-155 |
| C-103 | D-042 | E-245 | G-156 | L-001 | Q-014-1 | V-084-2 |
| C-113 | D-054 | E-260 | G-164-2 | L-078 | Q-016 | W-107 |
| C-130 | D-056 | E-265 | G-168 | L-275 | Q-018 | X-009 |
| C-154 | D-070 | F-010 | G-172 | M-184 | Q-018-1 | X-101 |
| C-158 | D-089 | F-019 | G-178 | M-208 | Q-050 | X-116 |
| C-160 | D-098 | F-028 | G-179 | M-299 | Q-052 | |
| C-174 | D-106 | F-049 | G-187 | N-091 | Q-053-1 | |
| C-180-1 | D-108 | F-052 | H-029 | N-206 | Q-072 | |
| C-192 | D-137 | F-073 | H-103 | O-029 | T-004 | |
| C-195 | D-156 | F-074 | H-109 | O-102 | T-017-1 | |
| C-208 | D-186 | F-103-1 | H-120 | O-266 | T-053 | |