



Date: March 18, 2024

Attn: Lornie Stadler, Public Works Director  
City of Deadwood (Owner)  
102 Sherman Street  
Deadwood, SD 57732

Submitted via: [Lornie@cityofdeadwood.com](mailto:Lornie@cityofdeadwood.com)

Re: 2024 City of Deadwood Bridge Inspections

Thank you for the opportunity to provide you with a proposal regarding the 2024 bridge inspections. The City of Deadwood has requested a proposal to inspect bridges 162, 153, and 151. Interstate Engineering proposes to follow the inspection requirements outlined by the South Dakota Department of Transportations. Interstate Engineering understands those requirements as follows:

- All bridge inspections must be completed within a 12, 24, or 48 month frequency plus a 30 day grace period after the previous inspection date in Bridge Management (BrM), and required documents are due by November 1, 2024 unless a time extension has been authorized prior to the deadline. Inspections past due are subject to penalty according the the retainer agreement.
- A cross section must be performed and placed in file on all structures, excluding culverts and pipe, on the upstream side of the bridge to monitor scour.
- Complete and update a Fracture Critical Inspection Form for all fracture critical structures.
- Complete and update a Critical Finding Form and update BrM on structures with critical findings.
- Complete and update a Scour Plan of Action (POA) on all structures with Unknown Foundations or Scour Critical based on Item 113 in BrM.
- All structures with plans or that can be rated by field measurements must have a load rating performed and kept in the bridge file for the three (3) South Dakota legal load configurations and SHV's according to the Manual for Bridge Evaluation (MBE) and all revisions. Any structure needing a new rating will follow the SDDOT Load Rating Manual and include an electronic AASHTO Ware Bridge Rating (BrR) model to be submitted to the Department.
- Structures within one road mile from the Interstate Highway System will also require load rating of the EV2 and EV3 vehicles. These must be rated if an analysis can be done by the plans or field measurements.
- Update all National Bridge Elements (NBEs) and Bridge Management Elements (BMEs) according to the AASHTO Guide Manual for Bridge Element Inspection and all revisions. These shall be updated in the Bridge Management Software.
- Interstate Engineering will have until January 1, 2025 to individually meet with the City Council and go over inspection documents, load restrictions, and critical findings. No work under this contract is allowed after January 1, 2025 without prior approval from the Department.
- Interstate Engineering will have a bridge inspection Team Leader on location during all bridge inspections as per criteria specified in 23 CFR 650.

Interstate Engineering proposes to complete to above scope for the bridges outlined at a cost of **\$12,500**.

Please, let us know if you have any further questions and thank you again for the opportunity.

Zach Grapentine, Office Manager

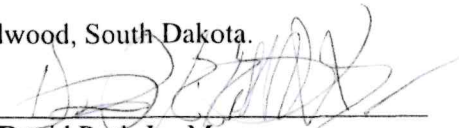
**RESOLUTION 2024-07**  
**BRIDGE REINSPECTION PROGRAM RESOLUTION**  
**FOR USE WITH SDDOT RETAINER CONTRACTS**

**WHEREAS**, 23 CFR 650, Subpart C, requires initial inspection of all bridges and reinspection at intervals not to exceed two years with the exception of reinforced concrete box culverts that meet specific criteria. These culverts are reinspected at intervals not to exceed four years.

**THEREFORE**, the City of Deadwood is desirous of participating in the Bridge Inspection Program using Bridge Replacement funds.

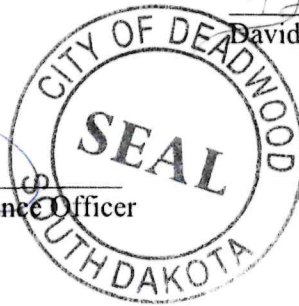
The City requests SDDOT to hire Interstate Engineering (Consulting Engineers) for the inspection work. SDDOT will secure Federal approvals, make payments to the Consulting Engineer for inspection services rendered, and bill the City for 20% of the cost. The City will be responsible for the required 20% matching funds.

Dated this 18th day of March, 2024, at Deadwood, South Dakota.

  
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David Ruth Jr., Mayor

ATTEST:

  
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Jessica McKeown, Finance Officer



Bridge ID	County	Owner	Location	Next Insp	oppositd	Insp freq	Length ft	Built	Material	Design	mainspans	lat gis	long gis	bridge condition
41157166	41 LAWRENCE	3	TIMM LN - DEADWOOD	6/22/2024 12:00:00 AM	P	24	44,666	1901	3 Steel	02 Stringer/Girder	1	44.36438540900	-103.73696090900	Poor
41158162	41 LAWRENCE	3	CHARLES ST - DEADWOOD	6/22/2024 12:00:00 AM	A	24	45	1994	2 Concrete Continuous	07 Frame	1	44.36915022400	-103.73411043700	Fair
41164153	41 LAWRENCE	3	MCKINLEY ST - DEADWOOD	6/22/2024 12:00:00 AM	A	24	41	1990	1 Concrete	07 Frame	1	44.38300750500	-103.72169469000	Good
41166151	41 LAWRENCE	3	RODEO ENTR - DEADWOOD	6/22/2024 12:00:00 AM	A	24	41.25	1986	1 Concrete	07 Frame	1	44.38610605800	-103.7177277900	Good