Form 000021wd

4-96

# IOWA DEPARTMENT OF TRANSPORTATION

## To Office District <#> Date <Month DD, YYYY>

## Attention <Assistant District Engineer> Ref No. <County> County

<Phase Number>

## From <Bridge Design Engineer> (for BSB prepared concepts) Project Code <#> <Consultant Engineer, Consulting Firm Name> Design No(s). <#(s)>

## Bureau Bridges and Structures (Add (L) or (R) after each

## Design # for dual bridges.)

## File No. <#>

## FHWA No. <#(s)>

## (Add (L) or (R) after each

## FHWA # for dual bridges.)

Subject <Final / Draft> Concept for Bridge <Deck Overlay or Repair> of <Bridge size and type>

Bridge Maintenance No(s). <0000.0X000>

The bridge<s> on <Route> over <Route, River, RR, etc.>, <location description>, has<have> been <<scheduled or programmed> for <an overlay or a repair> to be let on <letting date>. <It is currently not in the five year program.>> The current cost estimate is <Project Total from Cost Estimate> including inflation and a 20 percent contingency presuming a FY <YYYY> letting. The programmed amount is <programmed cost>. The bridge field exam on <Date> was attended by <Personnel> of <Bureau, District or Consultant>.

(Note: The location description should match the SIIMS description. Both the cost estimate amount and programmed cost (if available) should be included.)

The bridge location map and asset information can be viewed in SIIMS using the following link(s):

(Use for projects with a single bridge)

<Link to structure map page in SIIMS>

(Use for projects with dual bridges)

<Link to structure map page in SIIMS> Left Bridge

<Link to structure map page in SIIMS> Right Bridge

# EXISTING CONDITIONS

Year of Design

Construction Number Work

xxxx xxxx Original Construction

xxxx xxxx xxxx

xxxx xxxx xxxx

(List work in chronological order in table above)

The bridge<s> is<are> on the NHS system.

<Description of bridge condition found from inspection and recent SIIMS reports. Mention only conditions needing attention>

<Include rail height and type, paving notch width, approach type and condition, and guardrail type. Indicate whether or not guardrail meets current standards.>

The posted speed limit is <xx> mph and <20xx> AADT is <xxxx> with <xx%> trucks. (Use for single bridge configuration. Obtain traffic data from SIIMS)

The posted speed limit is <xx> mph and <20xx> AADT is <xxxx> (<xxxx> <WB/SB> with <xx%> trucks and <xxxx> <EB/NB> with <xx%> trucks. (Use for dual bridge configuration, even if only performing work on one bridge. Obtain traffic data from SIIMS)

The approach roadway is a <number of lanes> lane section with <roadway width’> paved roadway and <shoulder width’> <shoulder material> shoulders. (Use for single bridge configuration)

The approach roadway is a <number of lanes> lane section with <roadway width’> paved roadway, <shoulder width’> outside <shoulder material> shoulders and <shoulder width’> inside <shoulder material> shoulders. (Use for dual bridge divided highway configuration)

# RECOMMENDATIONS

It is recommended that the following repairs be made:

1. <List recommended repairs for bridge>
2. <Use a numbered list>
3. <Be specific, a plan will be prepared based on this information>
4. <If painting of traffic markings is included in the project, indicate new markings are to be installed within the full extents of the traffic control>

This project <is/is not> considered a Traffic Critical Project. Traffic control will involve <TBR, shoulder strengthening, traffic signals, standard road plans for traffic control, etc.>

<Note: All traffic control will be arranged and determined by the Design Bureau.> (for BSB prepared concepts)

(Select one of the two following statements for bridges located over waterways)

<This project crosses an Iowa DNR paddling route and a paddling restriction <is/is not> required based on the scope of work. <The Bridges and Structures Bureau Preliminary Design Unit will be coordinating with the Iowa DNR to determine signage requirements and conditions to be included in the final plans. >> (Verify paddling routes on this map: <https://www.iowadnr.gov/Things-to-Do/Canoeing-Kayaking/Where-to-Paddle>)

<This project does not cross an Iowa DNR paddling route. No action required.>

<The District should provide a site survey of the utilities.> (for BSB prepared concepts)

<The following utilities have been identified by One Call (811) Design Information Request: (list utilities, contact names, contact phone numbers, contact email addresses)> (For Consultant prepared concepts, the Consultant shall provide a One Call (811) Design Information Request of the utilities. <https://www.iowaonecall.com/designrequestsystem/> )

<If utilities were observed during the field exam: ”The following utilities were observed: (list rail conduit, bridge utility attachments, overhead utilities, etc. and general location as appropriate)”. Comment on the possibility of utility impacts using one of the following two statements” <”No impacts to the observed utilities are anticipated based on the recommended repairs.”> or <”Impacts to the following utilities are anticipated based on the recommended repairs: (list utilities affected)”>. If no utilities are observed include the following statement: “No utilities were observed during the field exam.”>

All recipients of this letter should review this concept of work to be accomplished and advise the Bridges and Structures Bureau of any comments you have by <Date (approximately 3 weeks from date sent)>.

Estimated cost of repairs is as follows:

<Complete [Cost Estimate for Concepts](https://iowadot.gov/bridge/concepts/Cost%20Estimates%20for%20Concepts.xlsx) and paste area within yellow outline from “Estimate for Copying” tab, linking if desired.>

(For figuring the number of years of inflation to include in the estimate, the DOT fiscal year begins in July and ends in June; i.e. August 2024 falls in FY25)

(If construction is staged, include a staged construction item in the bridge estimate with a value of 10%.)

(For projects with dual bridges, provide a separate estimate for each bridge. Provide a total project cost that includes both bridges.)

<Bridge Design Engineer's or Consulting Engineer’s Initials(CAPITALS)>

Distributed to:

<Copy the appropriate list from [Master List for Distribution of Concepts](https://iowadot.gov/bridge/concepts/Master%20List%20for%20Distribution%20of%20Concepts.xlsx) and paste here. Remove any non-applicable recipients, empty rows, vacant positions, double asterisks in front of recipients, and information in parenthesis.>

Appendix

<Include photos with labels of key areas>

<Save a copy to the ProjectWise directory under the Concept\B0Submittal folder>

*Updated 12/30/2024*