|  |
| --- |
|  CONCEPT STATEMENT FORLOCAL PUBLIC AGENCY FEDERAL-AID PROJECTS |

Please Note: Before completing this form, refer to the Concept Statement Instructions located in [Instructional Memorandum (I.M.) 3.020 Concept Statement Instructions.](https://www.iowadot.gov/local_systems/publications/im/3020.pdf)

**GENERAL INFORMATION:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| County: |       | City: |       | Date Submitted: |        | [ ]  Original Submittal [ ]  Revised |
| Project No: |       | In STIP? | [ ]  Y [ ]  N | STIP Year(s): |       | Estimated Letting Date: |       |
| Contact Person: |       | Phone Number: |       |
| Title: |       |
| Address: |       | E-mail: |       |
|  |  |  |  |
| 1.a Project Location Description (include road or street name(s)):     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | ATTACH A DETAILED LOCATION MAP OR LINK TPMS Development Map  |
| [ ]  Yes [ ]  No The map in TPMS Development is accurate. If no, please correct the map as soon as possible and attach a paper map with this submittal.  |  |
| The TPMS Development map can be found at the following link, by adding the TPMS ID number to the end of the web address below. TPMS.org/#Development/Projects/xxxxx (Enter the TPMS ID below in section 1.b) |
| 1. b. Section: |       | Township: |       | Range: |       | TPMS ID No.: | xxxxx |
|  |  |  |  |  |  | (Replace the ‘X’s above with the TPMS ID – then right click on the highlighted X’s above and choose ‘Update Field’) |
| 2. Type of Work (check all that apply): |
| [ ]  HMA Paving | [ ]  Grading | [ ]  PCC Widening | [ ]  Bicycle or pedestrian facilities |
| [ ]  HMA Resurfacing | [ ]  Intersection Modifications | [ ]  RCB Culvert | [ ]  Scenic or landscaping improvements |
| [ ]  HMA Widening | [ ]  Lighting | [ ]  Traffic Signals | [ ]  Historic restoration or renovation |
| [ ]  Bridge Replacement | [ ]  Patching | [ ]  Other (describe): |       |
| [ ]  Bridge Rehabilitation | [ ]  PCC Paving |  |       |

|  |
| --- |
| 3. Project Length:       miles (to nearest tenth) |
| 4. Existing Bridge Information: | FHWA No.: |       | Year Built: |       | Size: |       |
|  | Type: |       |
| 5. Project Costs: For each item that applies, indicate if Federal-aid reimbursement will be requested. If yes, enter the estimated cost.Note: **When using STBG and/or Bridge funding, the use of Federal-aid will only be allowed for Construction.** |
| Federal-aid? | Cost Item  | Total Estimated Cost |
| [ ]  Yes [ ]  No | Preliminary engineering (if yes, see [I.M. 3.310](https://www.iowadot.gov/local_systems/publications/im/3310.pdf) for procedures)  |       |
| [ ]  Yes [ ]  No | Construction engineering (if yes, see [I.M. 3.310](https://www.iowadot.gov/local_systems/publications/im/3310.pdf) for procedures)  |       |
| [ ]  Yes [ ]  No | Acquisition of land or property rights (if yes, see [I.M. 3.600](https://www.iowadot.gov/local_systems/publications/im/3600.pdf))  |       |
| [ ]  Yes [ ]  No | Construction |       |
| [ ]  Yes [ ]  No | Utility relocation (if yes, see [I.M. 3.640](https://www.iowadot.gov/local_systems/publications/im/3640.pdf) and [I.M. 3.650](https://www.iowadot.gov/local_systems/publications/im/3650.pdf)) |       |
| [ ]  Yes [ ]  No | Railroad work (if yes, see [I.M. 3.670](https://www.iowadot.gov/local_systems/publications/im/3670.pdf) and [I.M. 3.680](https://www.iowadot.gov/local_systems/publications/im/3680.pdf)) |       |
| [ ]  Yes [ ]  No | In-kind contribution (attach documentation as per [I.M. 3.050](https://www.iowadot.gov/local_systems/publications/im/3050.pdf)) |       |
| 6. Total Federal-Aid (as shown in the STIP): | $       | Total Estimated Project Cost: |       |
| [ ]  Yes [ ]  No | Has the LPA secured other funds, such as HSIP, TSIP, U-STEP, C-STEP, etc. |       |
|  | If yes, enter information regarding other funding sources the LPA has been awarded, has applied for, or intends to apply for:       |
| 7. Estimate of Land or Property Acquisition Impacts: - - Will the proposed project: | ANSWER ALL SIX QUESTIONS |
|  a. Require temporary construction easements? [ ]  Yes [ ]  No If yes, indicate the approximate area (acres):       b. Require permanent easement(s) or fee title? [ ]  Yes [ ]  No If yes, indicate the approximate area (acres):       c. Require borrow material? [ ]  Yes [ ]  No If yes, indicate the proposed source (check all that apply): [ ]  New borrow area [ ]  Contractor furnished [ ]  Existing borrow area [ ]  Within existing right-of-way [ ]  Not yet determined d. Require total property acquisition(s)? [ ]  Yes [ ]  No If yes, approx. how many properties will be totally acquired?       e. Involve relocation assistance for displaced person(s) and/or businesses? [ ]  Yes [ ]  No  If yes, approximately how many relocations will be required?       f. Involve a change in property access which results in damage to the remainder parcel? [ ]  Yes [ ]  No If Item 7a, 7b, or 7c are marked Yes, provide an aerial map or plan sheet with project limits and proposed ROW/Temporary Construction Easement need lines. Also provide an aerial map with ROW need lines if the ROW is already owned by the LPA but has not yet been utilized as ROW for a project (i.e., trail through a park or other land previously not used for roadway/trail purposes).  |  |
| 8. Public Acceptance: Is it anticipated that the proposed project will receive a substantial degree of public opposition? [ ]  Yes [ ]  No |
| If yes, explain: |       |

 **Safety Considerations:**

 Water Trails and Paddling Routes:

Water Trails and Paddling Routes are considered recreational areas under 23 CFR 774 (see question 10 below). Does this project include a DNR designated water trail or paddling route, as listed on this website: [<https://iowadnr.maps.arcgis.com/apps/webappviewer/index.html?id=767d75008b0f40ce922138d3c5d7f4f0>](https://iowadnr.maps.arcgis.com/apps/webappviewer/index.html?id=767d75008b0f40ce922138d3c5d7f4f0)

[ ]  Yes [ ]  No

|  |  |
| --- | --- |
| **Environmental Impacts:** - - Will the proposed project:9. | ANSWER ALL QUESTIONS |
| 9. Involve any ground disturbance, per the example [Cross Section](https://www.iowadot.gov/local_systems/publications/im/Ground_Disturbance.pdf)?  |
| [ ]  Yes [ ]  No | 1. a. If yes, a Cultural Resources Evaluation (CRE) shall be completed and may require an Archaeological survey.
2. Refer to [I.M. 4.120](https://www.iowadot.gov/local_systems/publications/im/4120.pdf). Submittal of these documents at the time of Concept Statement submittal is not required.
 |
|  | b. If no, LPA is encouraged to complete [Form 231033, Cultural Resources Assessment (CRA) Form](https://iowadot.seamlessdocs.com/f/CulturalResourcesAssessmentforLocPubAgency), and submit to Location and Environment with the Concept Statement, or soon thereafter. The CRA form can be completed with the LPA’s local Historic Preservation Commission (HPC), Historical Society (HS), or SOI Qualified Professional.  |
| 10. | Be in the proximity of a recreational area (i.e., park, playground, trail, greenbelt, etc.) or wildlife refuge? [ ]  Yes [ ]  NoIf no, skip to No. 11; If yes, **provide a map showing the project location and park location and amenities**, and answer the following questions: |
| [ ]  Yes [ ]  No | a. Is the property used as a recreational area or wildlife refuge? |
| [ ]  Yes [ ]  No | b. Is the property publicly owned? Who is the owner?       |
| [ ]  Yes [ ]  No | c. If it is a recreational area, is it open to the public?  |
| [ ]  Yes [ ]  No | d. Will access to the recreational area be impacted by the project? |
| [ ]  Yes [ ]  No | e. Has the official with jurisdiction over the property or facility (recreational area or wildlife refuge) been contacted? |
|  | f. List and describe the recreational areas or wildlife refuges, and their total area in acres. |
|  |  | Description (include name of agency with jurisdiction) | Total property area (acres) |
| a. |       |       |
| b. |       |       |
| c. |       |       |
| d. |       |       |
| e. |       |       |
| [ ]  Yes [ ]  No | g. Will any part of the identified properties be acquired as permanent right-of-way? |
|  | Describe what part will be acquired, using approximate area, the anticipated severity of impacts, why the property can’t be avoided, and the steps that will be taken to mitigate or minimize impacts.      |
| [ ]  Yes [ ]  No | h. Will any part of the identified properties be acquired as temporary easement? |
| [ ]  Yes [ ]  No | i. Were any of the identified properties originally acquired or developed with Federal Land and Water Conservation  Act (LWCN) or similar type funds?  |
| [ ]  Yes [ ]  No | j. Will the property sustain permanent adverse physical impacts? |
| [ ]  Yes [ ]  No | k. Will any of the recreational features (ball diamond, playground, picnic area, etc.) be impacted within any  permanent or temporary easement? |
| [ ]  Yes [ ]  No | l. After the work is complete, will the property be changed from its original condition? |

If the answer to j, k, or l is no, is the agency with jurisdiction over the property in agreement with all these determinations? Attach additional documentation as necessary from the agency with jurisdiction.

For any yes answers to j, k, or l, list the properties and specifically describe what part will be acquired, including approximate area, the anticipated severity of the impacts, why the property can’t be avoided, and the steps that will be taken to minimize or mitigate the impacts.

For projects Administered by the Systems Planning Bureau, complete the “Park, Recreation Land, and Wildlife and Waterfowl Refuge Section 4(f) Determination form” ([Form 760006](https://iowadot.seamlessdocs.com/f/CO20011000135063309)). For example, this form is required when there is a recreational trail or pedestrian facility being built through a recreational area.

|  |  |
| --- | --- |
| [ ]  Yes [ ]  No | 11. Determine if the project is in the proximity of known Federal or State threatened or endangered species or their habitat by completing and submitting the T&E form, as per [I.M. 4.110](https://www.iowadot.gov/local_systems/publications/im/4110.pdf). |
| [ ]  Yes [ ]  No | 12. Will the project involve placement of fill or dredged material into waters of the United States, including  wetlands? If yes, refer to [I.M. 4.130](https://www.iowadot.gov/local_systems/publications/im/4130.pdf) to determine if a 404 permit is needed.  |
| [ ]  Yes [ ]  No | 13. Will the project disturb 1 or more acres of land? If yes, NPDES General Permit No. 2 will be required by the  Iowa DNR. When estimating the amount of disturbed land, include all areas where soil will be exposed at any  time to erosive forces. Refer to [I.M. 4.140](https://www.iowadot.gov/local_systems/publications/im/4140.pdf) Storm Water Permits for more information. |
| [ ]  Yes [ ]  No | 14. Will the project require a Floodplain Permit or a Sovereign Lands permit from the Iowa DNR? Refer to [I.M. 4.150](https://www.iowadot.gov/local_systems/publications/im/4150.pdf) for more information. |
| [ ]  Yes [ ]  No | 15. Will the project meet the backwater and freeboard requirements shown in [I.M. 4.150](https://www.iowadot.gov/local_systems/publications/im/4150.pdf)?  |
| [ ]  Yes [ ]  No | 16. Will a Hydraulic Review be required for this project? Refer to [I.M. 3.500](https://www.iowadot.gov/local_systems/publications/im/3500.pdf) for more information.  |
| [ ]  Yes [ ]  No | 17. Will the project involve the acquisition of more than 5 acres of farmland in any one-mile (or less) length of the project? Is it a water storage area? Is the area designated for city land use plan? If yes, refer to [I.M. 4.170](https://www.iowadot.gov/local_systems/publications/im/4170.pdf)  for more information. If no, the Farmland Conversion Rating Form is not required. |
| [ ]  Yes [ ]  No | 18. Is there potential for the cleanup of any known hazardous materials? This would include areas where gas stations, dry cleaners, or other potentially hazardous sites were previous located, or would include items containing asbestos or lead paint. Refer to this site for more information:  <https://programs.iowadnr.gov/contaminatedsites/> |
|  |  |
|  |  |
|  |  |
| [ ]  Yes [ ]  No | 19. Will the project have significant noise, air quality, or water quality impacts that may raise public concern or  warrant special mitigation measures? If yes, describe the types of impacts anticipated and the proposed  mitigation, if any. |
| [ ]  Yes [ ]  No |  a. Noise impacts? Specifically describe:       |
| [ ]  Yes [ ]  No |  b. Aesthetic impacts? Specifically describe:       |
| [ ]  Yes [ ]  No |  c. Reduced access? Specifically describe:       |
| [ ]  Yes [ ]  No |  d. Vibration impacts? Specifically describe:       |
| [ ]  Yes [ ]  No | 20. Is the project in a special landscape area of the Loess Hills? |
| [ ]  Yes [ ]  No |  Is the project Is the project in the National Rivers Inventory? Refer to this site for more information:   <https://www.nps.gov/subjects/rivers/nationwide-rivers-inventory.htm>  |
| [ ]  Yes [ ]  No | 21. Will the proposed project be within a 20,000-foot radius of a public airport?  Refer to [I.M. 4.190](https://www.iowadot.gov/local_systems/publications/im/4190.pdf) to determine whether to answer yes or no. |
| [ ]  Yes [ ]  No |  Will the Federal Aviation Administration (FAA) need to be notified? If yes, follow the procedures in [I.M. 4.190](https://www.iowadot.gov/local_systems/publications/im/4190.pdf). |
| [ ]  Yes [ ]  No | 22. Will the proposed project have a railroad crossing or railroad signals within the project limits?  If yes, contact the railroad company to develop an agreement. Refer to [I.M. 3.670](https://www.iowadot.gov/local_systems/publications/im/3670.pdf) and [I.M. 3.680](https://www.iowadot.gov/local_systems/publications/im/3680.pdf).  Which railroad is affected?       |
| [ ]  Yes [ ]  No | 23. Is the distance from the railroad crossing at a side road less than 100 feet? If so, the railroad crossing will need further review to determine if adequate traffic control, warning devices, and crossing surfaces are in place. Refer to [I.M. 3.680](https://www.iowadot.gov/local_systems/publications/im/3680.pdf).  |
| [ ]  Yes [ ]  No | 24. Will the proposed project include Intelligent Transportation System (ITS) elements? If yes, include a map showing the approximate areas of impacts. |
| [ ]  Yes [ ]  No | 25. Will this project require a Preliminary Plan Review? Refer to [I.M. 3.400](https://www.iowadot.gov/local_systems/publications/im/3400.pdf) for more information. |

26. Project Design Elements - - Provide the project design information requested below. If the project involves multiple facilities, or significantly different sections on the same facility, complete a separate page for each. For design elements that are not applicable for the facility listed below, enter “N/A” in the appropriate space. If the project does not involve a roadway, bicycle trail, or shared use path, this page may be left blank. Design Check column is for Department Use Only.

|  |  |
| --- | --- |
| **Facility Name:** |  |

**Federal Functional Classification:** [ ]  Interstate [ ]  Other Principal Arterial [ ]  Minor Arterial

[ ]  Rural Major Collector [ ]  Rural Minor Collector [ ]  Urban Collector [ ]  Local [ ]  N/A (trail or path)

**Traffic Volumes:** Existing AADT:       (Year =      ) Design Year AADT:       (Year =      ) % Trucks:

**Design Speed:**       mph **Posted Speed:**       mph

**Terrain:** [ ]  Level [ ]  Rolling **Type of Area:** [ ]  Commercial or Industrial [ ]  Fringe or Residential [ ]  Rural

**Design Guidelines (check only one):**

For urban roadways, use the design guidelines contained in SUDAS Chapter 5 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 1c-1 and indicate which table was used below:

 [ ]  SUDAS Preferred Criteria [ ]  SUDAS Acceptable Criteria\* [ ]  Urban 3R Guidelines\*\* [ ]  Other:

For rural roadways, use the design guidelines contained in I.M.s.[3.210](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) or [3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf) and indicate which table was used below:

 [ ]  Design Aids for Rural Collectors [ ]  AASHTO Guidelines for Rural Collectors\*

 [ ]  Design Aids for Rural Local Roads [ ]  AASHTO Guidelines for Rural Local Roads\*

 [ ]  Other:

 [ ]  3R Table for Rural Collectors\*\* (if checked, indicate type of improvement: [ ]  Rehabilitation [ ]  Restoration [ ]  Resurfacing)

\* If any of these tables are used, explain reasons for not using the “Aids” tables.

\*\* If used, provide documentation for using 3R criteria per [I.M. 3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf).

[ ]  For bicycle trails or shared use paths, use the most current edition of the SUDAS Chapter 12 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 12.

**Design Exceptions:** Will a design exception be required? [ ]  Yes [ ]  No If yes, attach documentation for each exception requested.

Refer to [I.M. 3.260](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) for Design Exception information.

|  |  |  |  |
| --- | --- | --- | --- |
| **Design Element** | **Existing** | **Proposed** | **Design Check** |
| **All Roadways (urban or rural)** |  |
| Number of traffic lanes |       |       |  |
| Travel lane width (ft) |       |       |  |
| Traveled way surface type |       |       |  |
| **Urban Roadways** |  |
| Total roadway width (ft) (back-of-curb to back-of-curb) |       |       |  |
| Curb and gutter width (ft) |       |       |  |
| Median width (ft) and type |       [ ]  raised [ ]  painted |       [ ]  raised [ ]  painted |  |
| On-street parking lane width (ft) |       |       |  |
| Horizontal clearance (ft) |       |       |  |
| Rural Roadways |  |
| Roadway top width (ft) (should-to-shoulder) |       |       |  |
| Shoulder surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Fore slope ratio (horizontal: vertical) |       |       |  |
| Clear zone distance (ft). See I.M. 3.240. | N/A |       |  |
| **Bridges (urban or rural)** |  |
| Bridge roadway width (ft) |       |       |  |
| Is guardrail present?  | [ ]  Yes [ ]  No | N/A |  |
| Is guardrail proposed?  | N/A | [ ]  Yes [ ]  No |  |
| Will channel change be required?  | N/A | [ ]  Yes [ ]  No |  |
| **Bicycle Trails or Shared Use Paths** |  |
| Trail or path surface width (ft) and traffic direction |       [ ]  2-way [ ]  1-way |       [ ]  2-way [ ]  1-way |  |
| Trail or path surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Lateral clearance (ft) |       |       |  |
| Vertical clearance (ft) |       |       |  |
| Clear width of path on bridge (ft) |       |       |  |
| Traffic Signals |  |
| If new signals are proposed, are MUTCD warrants met? | N/A | [ ]  Yes [ ]  No [ ]  N/A |  |
| If yes, which warrants are met? | N/A |       |  |

27. Additional Project Design Elements - - Provide the project design information requested below. If the project involves multiple facilities, or significantly different sections on the same facility, complete a separate page for each. For design elements that are not applicable for the facility listed below, enter “N/A” in the appropriate space. If the project does not involve a roadway, bicycle trail, or shared use path, this page may be left blank. Design Check column is for Department Use Only.

|  |  |
| --- | --- |
| **Facility Name:** |  |

**Federal Functional Classification:** [ ]  Interstate [ ]  Other Principal Arterial [ ]  Minor Arterial

[ ]  Rural Major Collector [ ]  Rural Minor Collector [ ]  Urban Collector [ ]  Local [ ]  N/A (trail or path)

**Traffic Volumes:** Existing AADT:       (Year =      ) Design Year AADT:       (Year =      ) % Trucks:

**Design Speed:**       mph **Posted Speed:**       mph

**Terrain:** [ ]  Level [ ]  Rolling **Type of Area:** [ ]  Commercial or Industrial [ ]  Fringe or Residential [ ]  Rural

**Design Guidelines (check only one):**

For urban roadways, use the design guidelines contained in SUDAS Chapter 5 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 1c-1 and indicate which table was used below:

 [ ]  SUDAS Preferred Criteria [ ]  SUDAS Acceptable Criteria\* [ ]  Urban 3R Guidelines\*\* [ ]  Other:

For rural roadways, use the design guidelines contained in I.M.s.[3.210](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) or [3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf) and indicate which table was used below:

 [ ]  Design Aids for Rural Collectors [ ]  AASHTO Guidelines for Rural Collectors\*

 [ ]  Design Aids for Rural Local Roads [ ]  AASHTO Guidelines for Rural Local Roads\*

 [ ]  Other:

 [ ]  3R Table for Rural Collectors\*\* (if checked, indicate type of improvement: [ ]  Rehabilitation [ ]  Restoration [ ]  Resurfacing)

\* If any of these tables are used, explain reasons for not using the “Aids” tables.

\*\* If used, provide documentation for using 3R criteria per [I.M. 3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf).

[ ]  For bicycle trails or shared use paths, use the most current edition of the SUDAS Chapter 12 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 12.

**Design Exceptions:** Will a design exception be required? [ ]  Yes [ ]  No If yes, provide comments here:

or attach documentation for each exception requested. Refer to [I.M. 3.260](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) for Design Exception information.

|  |  |  |  |
| --- | --- | --- | --- |
| **Design Element** | **Existing** | **Proposed** | **Design Check** |
| **All Roadways (urban or rural)** |  |
| Number of traffic lanes |       |       |  |
| Travel lane width (ft) |       |       |  |
| Traveled way surface type |       |       |  |
| **Urban Roadways** |  |
| Total roadway width (ft) (back-of-curb to back-of-curb) |       |       |  |
| Curb and gutter width (ft) |       |       |  |
| Median width (ft) and type |       [ ]  raised [ ]  painted |       [ ]  raised [ ]  painted |  |
| On-street parking lane width (ft) |       |       |  |
| Horizontal clearance (ft) |       |       |  |
| Rural Roadways |  |
| Roadway top width (ft) (should-to-shoulder) |       |       |  |
| Shoulder surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Fore slope ratio (horizontal: vertical) |       |       |  |
| Clear zone distance (ft). See I.M. 3.240. | N/A |       |  |
| **Bridges (urban or rural)** |  |
| Bridge roadway width (ft) |       |       |  |
| Is guardrail present?  | [ ]  Yes [ ]  No | N/A |  |
| Is guardrail proposed?  | N/A | [ ]  Yes [ ]  No |  |
| Will channel change be required?  | N/A | [ ]  Yes [ ]  No |  |
| **Bicycle Trails or Shared Use Paths** |  |
| Trail or path surface width (ft) and traffic direction |       [ ]  2-way [ ]  1-way |       [ ]  2-way [ ]  1-way |  |
| Trail or path surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Lateral clearance (ft) |       |       |  |
| Vertical clearance (ft) |       |       |  |
| Clear width of path on bridge (ft) |       |       |  |
| Traffic Signals |  |
| If new signals are proposed, are MUTCD warrants met? | N/A | [ ]  Yes [ ]  No [ ]  N/A |  |
| If yes, which warrants are met? | N/A |       |  |

28. Additional Project Design Elements - - Provide the project design information requested below. If the project involves multiple facilities, or significantly different sections on the same facility, complete a separate page for each. For design elements that are not applicable for the facility listed below, enter “N/A” in the appropriate space. If the project does not involve a roadway, bicycle trail, or shared use path, this page may be left blank. Design Check column is for Department Use Only.

|  |  |
| --- | --- |
| **Facility Name:** |  |

**Federal Functional Classification:** [ ]  Interstate [ ]  Other Principal Arterial [ ]  Minor Arterial

[ ]  Rural Major Collector [ ]  Rural Minor Collector [ ]  Urban Collector [ ]  Local [ ]  N/A (trail or path)

**Traffic Volumes:** Existing AADT:       (Year =      ) Design Year AADT:       (Year =      ) % Trucks:

**Design Speed:**       mph **Posted Speed:**       mph

**Terrain:** [ ]  Level [ ]  Rolling **Type of Area:** [ ]  Commercial or Industrial [ ]  Fringe or Residential [ ]  Rural

**Design Guidelines (check only one):**

For urban roadways, use the design guidelines contained in SUDAS Chapter 5 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 1c-1 and indicate which table was used below:

 [ ]  SUDAS Preferred Criteria [ ]  SUDAS Acceptable Criteria\* [ ]  Urban 3R Guidelines\*\* [ ]  Other:

For rural roadways, use the design guidelines contained in I.M.s.[3.210](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) or [3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf) and indicate which table was used below:

 [ ]  Design Aids for Rural Collectors [ ]  AASHTO Guidelines for Rural Collectors\*

 [ ]  Design Aids for Rural Local Roads [ ]  AASHTO Guidelines for Rural Local Roads\*

 [ ]  Other:

 [ ]  3R Table for Rural Collectors\*\* (if checked, indicate type of improvement: [ ]  Rehabilitation [ ]  Restoration [ ]  Resurfacing)

\* If any of these tables are used, explain reasons for not using the “Aids” tables.

\*\* If used, provide documentation for using 3R criteria per [I.M. 3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf).

[ ]  For bicycle trails or shared use paths, use the most current edition of the SUDAS Chapter 12 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 12.

**Design Exceptions:** Will a design exception be required? [ ]  Yes [ ]  No If yes, provide comments here:

or attach documentation for each exception requested. Refer to [I.M. 3.260](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) for Design Exception information.

|  |  |  |  |
| --- | --- | --- | --- |
| **Design Element** | **Existing** | **Proposed** | **Design Check** |
| **All Roadways (urban or rural)** |  |
| Number of traffic lanes |       |       |  |
| Travel lane width (ft) |       |       |  |
| Traveled way surface type |       |       |  |
| **Urban Roadways** |  |
| Total roadway width (ft) (back-of-curb to back-of-curb) |       |       |  |
| Curb and gutter width (ft) |       |       |  |
| Median width (ft) and type |       [ ]  raised [ ]  painted |       [ ]  raised [ ]  painted |  |
| On-street parking lane width (ft) |       |       |  |
| Horizontal clearance (ft) |       |       |  |
| Rural Roadways |  |
| Roadway top width (ft) (should-to-shoulder) |       |       |  |
| Shoulder surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Fore slope ratio (horizontal: vertical) |       |       |  |
| Clear zone distance (ft). See I.M. 3.240. | N/A |       |  |
| **Bridges (urban or rural)** |  |
| Bridge roadway width (ft) |       |       |  |
| Is guardrail present?  | [ ]  Yes [ ]  No | N/A |  |
| Is guardrail proposed?  | N/A | [ ]  Yes [ ]  No |  |
| Will channel change be required?  | N/A | [ ]  Yes [ ]  No |  |
| **Bicycle Trails or Shared Use Paths** |  |
| Trail or path surface width (ft) and traffic direction |       [ ]  2-way [ ]  1-way |       [ ]  2-way [ ]  1-way |  |
| Trail or path surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Lateral clearance (ft) |       |       |  |
| Vertical clearance (ft) |       |       |  |
| Clear width of path on bridge (ft) |       |       |  |
| Traffic Signals |  |
| If new signals are proposed, are MUTCD warrants met? | N/A | [ ]  Yes [ ]  No [ ]  N/A |  |
| If yes, which warrants are met? | N/A |       |  |

29. Additional Project Design Elements - - Provide the project design information requested below. If the project involves multiple facilities, or significantly different sections on the same facility, complete a separate page for each. For design elements that are not applicable for the facility listed below, enter “N/A” in the appropriate space. If the project does not involve a roadway, bicycle trail, or shared use path, this page may be left blank. Design Check column is for Department Use Only.

|  |  |
| --- | --- |
| **Facility Name:** |  |

**Federal Functional Classification:** [ ]  Interstate [ ]  Other Principal Arterial [ ]  Minor Arterial

[ ]  Rural Major Collector [ ]  Rural Minor Collector [ ]  Urban Collector [ ]  Local [ ]  N/A (trail or path)

**Traffic Volumes:** Existing AADT:       (Year =      ) Design Year AADT:       (Year =      ) % Trucks:

**Design Speed:**       mph **Posted Speed:**       mph

**Terrain:** [ ]  Level [ ]  Rolling **Type of Area:** [ ]  Commercial or Industrial [ ]  Fringe or Residential [ ]  Rural

**Design Guidelines (check only one):**

For urban roadways, use the design guidelines contained in SUDAS Chapter 5 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 1c-1 and indicate which table was used below:

 [ ]  SUDAS Preferred Criteria [ ]  SUDAS Acceptable Criteria\* [ ]  Urban 3R Guidelines\*\* [ ]  Other:

For rural roadways, use the design guidelines contained in I.M.s.[3.210](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) or [3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf) and indicate which table was used below:

 [ ]  Design Aids for Rural Collectors [ ]  AASHTO Guidelines for Rural Collectors\*

 [ ]  Design Aids for Rural Local Roads [ ]  AASHTO Guidelines for Rural Local Roads\*

 [ ]  Other:

 [ ]  3R Table for Rural Collectors\*\* (if checked, indicate type of improvement: [ ]  Rehabilitation [ ]  Restoration [ ]  Resurfacing)

\* If any of these tables are used, explain reasons for not using the “Aids” tables.

\*\* If used, provide documentation for using 3R criteria per [I.M. 3.220](https://www.iowadot.gov/local_systems/publications/im/3220.pdf).

[ ]  For bicycle trails or shared use paths, use the most current edition of the SUDAS Chapter 12 or  [Iowa DOT Design Manual](https://www.iowadot.gov/design/design-manual) Chapter 12.

**Design Exceptions:** Will a design exception be required? [ ]  Yes [ ]  No If yes, provide comments here:

or attach documentation for each exception requested. Refer to [I.M. 3.260](https://www.iowadot.gov/local_systems/publications/im/3210.pdf) for Design Exception information.

|  |  |  |  |
| --- | --- | --- | --- |
| **Design Element** | **Existing** | **Proposed** | **Design Check** |
| **All Roadways (urban or rural)** |  |
| Number of traffic lanes |       |       |  |
| Travel lane width (ft) |       |       |  |
| Traveled way surface type |       |       |  |
| **Urban Roadways** |  |
| Total roadway width (ft) (back-of-curb to back-of-curb) |       |       |  |
| Curb and gutter width (ft) |       |       |  |
| Median width (ft) and type |       [ ]  raised [ ]  painted |       [ ]  raised [ ]  painted |  |
| On-street parking lane width (ft) |       |       |  |
| Horizontal clearance (ft) |       |       |  |
| Rural Roadways |  |
| Roadway top width (ft) (should-to-shoulder) |       |       |  |
| Shoulder surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Fore slope ratio (horizontal: vertical) |       |       |  |
| Clear zone distance (ft). See I.M. 3.240. | N/A |       |  |
| **Bridges (urban or rural)** |  |
| Bridge roadway width (ft) |       |       |  |
| Is guardrail present?  | [ ]  Yes [ ]  No | N/A |  |
| Is guardrail proposed?  | N/A | [ ]  Yes [ ]  No |  |
| Will channel change be required?  | N/A | [ ]  Yes [ ]  No |  |
| **Bicycle Trails or Shared Use Paths** |  |
| Trail or path surface width (ft) and traffic direction |       [ ]  2-way [ ]  1-way |       [ ]  2-way [ ]  1-way |  |
| Trail or path surface type |       |       |  |
| Shoulder width (ft) |       |       |  |
| Lateral clearance (ft) |       |       |  |
| Vertical clearance (ft) |       |       |  |
| Clear width of path on bridge (ft) |       |       |  |
| Traffic Signals |  |
| If new signals are proposed, are MUTCD warrants met? | N/A | [ ]  Yes [ ]  No [ ]  N/A |  |
| If yes, which warrants are met? | N/A |       |  |

**CHECKLIST OF REQUIRED SUBMITTAL ITEMS/ACTIONS**

[ ]  Location Map or TPMS Development Map link

[ ]  Form 760005 – Determination of Effect for Threatened and Endangered Species for Local Public Agencies

[ ]  Use the “Update from Programming” button in TPMS Project Development to ensure the project development record reflects the most recent STIP or CFYP (counties only) record.

[ ]  Update the Funding section in TPMS Project Development.

* Include all funding sources and their approved amounts.
* Ensure the total project cost matches or is very close to the Engineer’s Estimate.
* Verify that all Federal-aid funding amounts match the STIP record.

**CHECKLIST OF SUBMITTAL ITEMS, IF APPLICABLE**

[ ]  ROW Needs Map (if Y for 7a, 7b, 7c) - include ROW Needs lines, which can be an approximation. There is no need to create a “buffer zone”, as Location and Environment Bureau will account for a 25’ buffer when they perform the NEPA clearance.

[ ]  Cultural Resources Evaluation or Archaeological Survey (if Y for 9a). Submittal of this information at the time of Concept Statement submittal is not required; however, submittal as soon as possible will speed up the NEPA Clearance process.

[ ]  Cultural Resources Assessment (if Y for 9b). Submittal of this information is not required for Concept Statement submittal; however, submittal of this information will speed up the NEPA Clearance process.

[ ]  Recreational Area Location Map (if Y for 10)

[ ]  Explanation for using AASHTO criteria/SUDAS Acceptable criteria instead of the “Aids” tables/SUDAS Preferred (Items 26-29)

[ ]  Documentation for using 3R criteria [Address the seven safety considerations] (Items 26-29)

[ ]  Design Exception Request (Items 26-29)