

**South Dakota Hazard Mitigation Application
Part II – Environmental/Historic Preservation Questionnaire**

FEMA ENVIRONMENTAL REGULATIONS FOR HMGP PROJECTS

The Council on Environmental Quality (CEQ) has developed regulations to implement the National Environmental Policy Act (NEPA). These regulations, as set forth in Title 40, Code of the Federal Regulations (CFR) Parts 1500-1508, require an investigation of the potential environmental impacts of a proposed federal action, and an evaluation of alternatives as part of the environmental assessment process. The FEMA regulations that establish the agency-specific process for implementing NEPA are set forth in 44 CFR Subpart 10.

Following are excerpts from FEMA's regulations for implementing NEPA for funding of HMGP projects:

CFR 10.4 (a) POLICY

FEMA shall act with care to assure that, in carrying out its responsibilities, including disaster planning, response and recovery and hazard mitigation and flood insurance, it does so in a manner consistent with national environmental policies. Care shall be taken to assure, consistent with other considerations of national policy, that all practical means and measures are used to protect, restore, and enhance the quality of the environment, to avoid or minimize adverse environmental consequences.

FEMA shall:

- (1) Assess environmental consequences of FEMA actions;
- (2) Use a systematic, interdisciplinary approach that will ensure the integrated use of the natural and social sciences, and environmental considerations, in planning and decision-making where there is a potential for significant environmental impact;
- (3) Insure that presently unmeasured environmental amenities are considered in the decision-making process;
- (4) Consider reasonable alternatives to recommended courses of action in any proposal that involves conflicts concerning alternative uses of resources;
- (5) Make available to States, counties, municipalities, institutions, and individuals advice and information useful in restoring, maintaining, and enhancing the quality of the environment.

44 CFR 10.7 (c) (2) RESPONSIBILITIES OF THE APPLICANT:

- (1) Contact FEMA Region VIII as early as possible in the planning process for guidance on the scope and level of environmental information required to be submitted in support of their application;
- (2) Conduct any studies which are deemed necessary and appropriate by FEMA to determine the impact of the proposed action on the human environment;
- (3) Consult with appropriate Federal, regional, State, and local agencies and other potentially interested parties during preliminary planning stages to ensure that all environmental factors are identified;
- (4) Submit applications for all Federal, regional, State, and local approvals as early as possible in the planning process;

(5) Notify FEMA Region VIII as early as possible of all other Federal, regional, State, local, and Indian tribal actions required for project completion so that FEMA may coordinate all Federal environmental reviews; and

(6) Notify FEMA Region VIII of all known parties potentially affected by or interested in the proposed action.

A. National Historic Preservation Act - Historic Buildings and Structures

Contacts: State Historic Preservation Office

* 1. Does your project affect or is it in close proximity to any buildings or structures 50 years or more in age?

If Yes, you must confirm that you have provided the following:

The property address and original date of construction for each property affected

A minimum of two color photographs showing at least three sides of each structure (Please label the photos accordingly),

A diagram or USGS 1:24,000 scale quadrangle map displaying the relationship of the property(s) to the project area.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Information gathered about potential historic properties in the project area, including any evidence indicating the age of the building or structure and presence of buildings or structures that are listed or eligible for listing on the National Register of Historic Places or within or near a National Register listed or eligible historic district. Sources for this information may include the State Historic Preservation Officer, and/or the Tribal Historic Preservation Officer (SHPO/THPO), your local planning office, historic preservation organization, or historical society.

Consideration of how the project design will minimize adverse effects on known or potential historic buildings or structures, and any alternatives considered or implemented to avoid or minimize effects on historic buildings or structures. Please address and note associated costs in your project budget.

For acquisition/demolition projects affecting historic buildings or structures, any data regarding the consideration and feasibility of elevation, relocation, or flood proofing as alternatives to demolition.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

B. National Historic Preservation Act - Archeological Resources

Contacts: State Historic Preservation Office

- * 1. Does your project involve disturbance of ground?

If Yes, you must confirm that you have provided the following:

A description of the ground disturbance by giving the dimensions (area, volume, depth, etc.) and location

The past use of the area to be disturbed, noting the extent of previously disturbed ground.

A USGS 1:24,000 scale or other site map showing the location and extent of ground disturbance.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Any information about potential historic properties, including archeological sites, in the project area. Sources of this information may include SHPO/THPO, and/or the Tribe's cultural resources contact if no THPO is designated. Include, if possible, a map showing the relation of any identified historic properties to the project area.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

C. Endangered Species Act and Fish and Wildlife Coordination Act

Contacts: US Fish and Wildlife/South Dakota Game Fish and Parks

* 1. Are Federally listed threatened or endangered species or their critical habitat present in the area affected by the project?

If Yes, you must confirm that you have provided the following:

Information you obtained to identify species in or near the project area. Provide the source and date of the information cited.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Any request for information and associated response from the USFWS, the National Marine Fisheries Service (NMFS) (for affected ocean-going fish), or your State Wildlife Agency, regarding potential listed species present and potential of the project to impact those species.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 2. Does your project remove or affect vegetation?

If Yes, you must confirm that you have provided the following:

Description of the amount (area) and type of vegetation to be removed or affected.

A site map showing the project area and the extent of vegetation affected.

Photographs or digital images that show both the vegetation affected and the vegetation in context of its surroundings.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 3. Is your project in, near (within 200 feet), or likely to affect any type of waterway or body of water?

If Yes, and project is not within an existing building, you must confirm that you have provided the following:

A USGS 1:24,000 scale quadrangle map showing the project activities in relation to all nearby water bodies (within 200 feet).

Any information about the type of water body nearby including: its dimensions, the proximity of the project activity to the water body, and the expected and possible changes to the water body, if any.

Identify all water bodies regardless whether you think there may be an effect

A photograph or digital image of the site showing both the body of water and the project area.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Evidence of any discussions with the US Fish and Wildlife Service (USFWS), and/or your State Wildlife Agency concerning any potential impacts if there is the potential for the project to affect any water body.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

D. Clean Water Act, Rivers and Harbors Act, and Executive Order 11990 (Protection of Wetlands)
***Contacts: US Fish and Wildlife/Army Corps of Engineers/ US Department of Agriculture's
Natural Resources Conservation Service***

* 1. Will the project involve dredging or disposal of dredged material, excavation, adding fill material or result in any modification to water bodies or wetlands designated as "waters of the U.S" as identified by the US Army Corps of Engineers or on the National Wetland Inventory?

If Yes, you must confirm that you have provided the following:

Documentation of the project location on a USGS 1:24,000 scale topographic map or image and a copy of a National Wetlands Inventory map or other available wetlands mapping information.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Request for information and response letter from the US Army Corps of

Engineers and/or State resource agencies regarding the potential for wetlands, and applicability of permitting requirements.

Evidence of alternatives considered to eliminate or minimize impacts to wetlands.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

E. Executive Order 11988 (Floodplain Management)

Contacts: Local floodplain administrator/SD Department of Environment and Natural Resources/State National Floodplain Administrator

* 1. Does a Flood Insurance Rate Map (FIRM), Flood Hazard Boundary Map (FHBM), hydrologic study, or some other source indicate that the project is located in or will affect a 100 year floodplain, a 500 year floodplain if a critical facility, an identified regulatory floodway, or an area prone to flooding?

If Yes, please indicate in the text box below any documentation to identify the means or the alternatives considered to eliminate or minimize impacts to floodplains (See the 8 step process found in 44 CFR Part 9.6.) to help FEMA evaluate the impact of the project (If you selected Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 2. Does the project alter a watercourse, water flow patterns, or a drainage way, regardless of its floodplain designation?

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

Hydrologic/hydraulic information from a qualified engineer to demonstrate how drainage and flood flow patterns will be changed and to identify down and upstream effects.

Evidence of any consultation with US Army Corps of Engineers (may be included under Part D of the Environmental Information).

Request for information and response letter from the State water resource agency, if applicable, with jurisdiction over modification of waterways.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

F. Coastal Zone Management Act

Contacts:

* 1. Is the project located in the State's designated coastal zone?

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

Information resulting from contact with the appropriate State agency that implements the coastal zone management program regarding the likelihood of the project's consistency with the State's coastal zone plan and any potential requirements affecting the cost or design of the proposed activity.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

G. Farmland Protection Policy Act

Contacts: US Department of Agriculture's Natural Resources Conservation Service

* 1. Will the project convert more than 5 acres of "prime or unique" farmland outside city limits to a non- agricultural use?

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

H. RCRA and CERCLA (Hazardous and Toxic Materials)

Contacts: South Dakota Department of Environment and Natural Resources

* 1. Is there a reason to suspect there are contaminants from a current or past use on the property associated with the proposed project?

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

Comments and any relevant documentation.

Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 2. Are there any studies, investigations, or enforcement actions related to the property associated with the proposed project?

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

Comments and any relevant documentation.

Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 3. Does any project construction or operation activities involve the use of hazardous or toxic materials?

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

Comments and any relevant documentation.

Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 4. Do you know if any of the current or past land-uses of the property affected by the proposed project or of the adjacent properties are associated with hazardous or toxic materials?

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project:

Comments and any relevant documentation.

Results of any consultations with State or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

I. Executive Order 12898, Environmental Justice for Low Income and Minority Populations

Contacts: Local Census Office

* 1. Are there low income or minority populations in the project's area of effect or adjacent to the project area?

If Yes, you must confirm that you have provided the following:

Description of any disproportionate and adverse effects to these populations.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing:

Description of the population affected and the portion of the population that would be disproportionately and adversely affected. Please include specific efforts to address the adverse impacts in your proposal narrative and budget.

Attached materials or additional comments.

Please enter your comments below (If you selected Yes or Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

J. Other Environmental/Historic Preservation Laws or Issues

* 1. Are there other environmental/historic preservation requirements associated with this project that you are aware of?

If Yes, please indicate in the text box below a description of the requirements, issues or public involvement effort.

* 2. Are there controversial issues associated with this project?

If Yes, please indicate in the text box below a description of the requirements, issues or public involvement effort (If you selected Not Known above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

* 3. Have you conducted any public meeting or solicited public input or comments on your specific proposed mitigation project?

If Yes, please indicate in the text box below a description of the requirements, issues or public involvement effort.

K. Summary and Cost of Potential Impacts

* 1. Having answered the questions in parts A. through J., have you identified any aspects of your proposed project that have the potential to impact environmental resources or historic properties?

If Yes, you must confirm that you have:

Evaluated these potential effects and provided the materials required in Parts A through J that identify the nature and extent of potential impacts to environmental resources and/or historic properties.

Consulted with appropriate parties to identify any measures needed to avoid or minimize these impacts.

Considered alternatives that could minimize both the impacts and the cost of the project.

Made certain that the costs of any measures to treat adverse effects are realistically reflected in the project budget estimate.

Please enter your comments below (If you selected Yes above, please indicate why in the text box below and any information about this project that could assist FEMA in its review.):

Evaluation

By checking the *Not Applicable* box and not providing the information in this section, I understand that this application may not be selected for the Pre-Disaster Mitigation - Competitive Grant Program.

* Is the recipient participating in the [Community Rating System \(CRS\)](#)?

If yes, what is their [CRS rating](#)?

* Is the recipient a [Cooperating Technical Partner \(CTP\)](#)?

* Is the recipient a [Firewise Community](#)?

If yes, please provide their [Firewise Community](#) number.

* Has the recipient adopted building codes consistent with the [International Codes](#)?

* Has the recipient adopted the [National Fire Protection Association \(NFPA\) 5000 Code](#)?

* Have the recipient's building codes been assessed on the [Building Code Effectiveness Grading Schedule \(BCEGS\)](#)?

If yes, what is their [BCEGS](#) rating?

* Is this a [small, impoverished community](#)?

* How will this mitigation activity leverage involvement of partners to enhance its outcome?

* How will this mitigation activity offer long-term financial and social benefits or promote resiliency for the community?

* Please provide the percent of the population benefiting from this mitigation activity.

* Please explain your response to the above question in the text box below.

* Does this mitigation activity protect a critical facility?

If yes, please select the type of critical facilities to be protected

Assurances and Certifications

Part I: FEMA Form 20-16A, Assurances **Non-Construction** Programs / FEMA Form 20-16B, Assurances **Construction** Programs. Attached a completed

Part II: FEMA Form 20-16C, Certifications Regarding Lobbying; Debarment, Suspension and Other Responsibilities Matters; and Drug-Free Workplace Requirements.

Part III: SF-LLL, Disclosure of Lobbying Activities (**Complete only if applying for a grant of more than \$100,000 and have lobbying activities using Non-Federal funds. See Form 20-16C for lobbying activities definition.**)

EXTRAORDINARY CIRCUMSTANCES (FEMA 44 CFR §10.8 (d)(3)

If Extraordinary Circumstances exist within an area affected by an action, such that an action that is categorically excluded from NEPA compliance may have a significant adverse environmental impact, an environmental assessment shall be prepared. A “Yes” answer to one of the following questions would likely indicate your project would require an Environmental Assessment (EA).

YES NO

- (i) Greater scope or size than normally experienced for a particular category of action;
- (ii) Actions with a high level of public controversy;
- (iii) Potential for degradation, even though slight, of already existing poor environmental conditions;
- (iv) Employment of unproven technology with the potential adverse effects or actions involving unique or unknown environmental risks;
- (v) Presence of endangered or threatened species or their critical habitat, or archaeological cultural, historical or other protected resources;
- (vi) Presence of hazardous or toxic substances at levels which exceed Federal, state, or local regulations or standards requiring action or attention;
- (vii) Actions with the potential to affect special status areas adversely or other critical resources such as wetlands, coastal zones, wildlife refuge and wilderness areas, wild and scenic rivers, sole or principal drinking water aquifers;
- (viii) Potential for adverse effects on health or safety; and
- (ix) Potential to violate a federal, state, local, or tribal law or requirement imposed for the protection of the environment.
- (x) Potential for significant cumulative impact when the proposed action is combined with other past, present and reasonably foreseeable future actions, even though the impacts of the proposed action may not be significant by them selves.

PROJECT CONDITIONS AND ASSURANCES

If ground-disturbing activities occur during implementation, the applicant will monitor excavation activity, and if any artifacts or human remains are found during the excavation process, all work is to cease and the applicant will notify FEMA, Grantee, and SHPO.

If deviations from the proposed scope of work result in substantial design changes, the need for additional ground disturbance, additional removal of vegetation, or result in any other unanticipated changes to the physical environment, the Grantee must contact FEMA, and a re-evaluation under NEPA and other applicable environmental laws will be conducted by FEMA.

If the action is in an identified wetland or waters of the U.S., the applicant will seek and comply with a 404 permit or other permit as appropriate.

OTHER POSSIBLE ENVIRONMENTAL LAWS

Other environmental laws may apply depending on the type of project you submit. This is a sample list of other environmental laws, but is not inclusive.

EPA-Section 402 of the Federal Clean Water Act-Sewage Disposal Discharge Permits

EPA-Section 313 of the Federal Clean Water Act-Stormwater Mgt. and Erosion Sediment Control-33-U.S.C.-1251-1387

EPA-Comprehensive Environmental Response, Compensation and Liability Act-(CERCLA) Hazardous Waste-42 U.S.C. 9601-9675

EPA-Underground Storage Tank Regulations

EPA-Federal Safe Drinking Water Act (SDWA)-42 U.S.C. 300f-300j-26

EPA-Resource Conservation and Recovery Act (RCRA)-42 U.S.C. 6901-6992k

EPA-Toxic Substances Control Act (TSCA)-15 U.S.C.-2601-2692

EPA-Pollution Prevention Act (PPA)-42 U.S.C.-13101-13109

EPA-Emergency Planning and Community right-To-Know Act of 1986 (EPCRA)- 42 U.S.C. 11001-11050

Section 4(f) of the Dept. of Transportation Act-Recreational Area/ Parkland/ Protected Land

Section 10 of the Rivers and Harbors Act-Navigable Waters

Native American Graves Protection & Repatriation Act of 1990

Applicable State & Local Requirements and Laws

FEMA's LIST OF CATEGORICAL EXCLUSIONS (CATEXES) UNDER NEPA (FEMA 44 CFR 10.8(d)(2))

FEMA has determined from experience that the following categories of actions have no significant impact on the human environment and are, therefore, categorically excluded from preparation of an environmental assessment and environmental impact statement, except where extraordinary circumstances exist as defined in 44 CFR §10.8(d)(3).

CATEX - LEVEL 1

If your project falls within the following categories, you do not need to coordinate with any agencies. Submit your project without an environmental review.

- A. Studies involving no commitment of resources except money and manpower
- B. Training activities
- C. Public education programs
- D. Technical assistance activities
- E. Purchasing of equipment

CATEX – LEVEL 2

You must first have considered all possible solutions to solve the problem and have chosen the preferred alternative (project). If your project falls within the following categories, consultation with the SHPO, USFWS and appropriate State agencies is required. However, letters “B” and “E” may require coordination with the USACE or others, depending upon the type of project. Fill out the environmental checklist, attach the coordination letters from SHPO, USFWS, USACE and others, as appropriate and State agencies and submit your project. If you have a question as to whether your project fits into one of these categories, consult with the State Hazard Mitigation Officer.

- A. Acquisition of properties and associated demolition/removal when acquisition is: From a willing seller, the buyer coordinated acquisition planning with affected authorities, and the acquired property will be dedicated in perpetuity to used that are compatible with open space, recreational, or wetland practices.
- B. Acquisition, installation, or operation of utility and communication systems that use existing distribution systems or facilities, or currently used infrastructure rights-of-way. To qualify under this Catex, the proposed action must take place in already disturbed areas, in existing footprints or rights of way.
- C. Demolition of structures and other improvements or disposal of uncontaminated structures and other improvements to permitted off-site locations, or both.
- D. Physical relocation of individual structures where FEMA has no involvement in the relocation site selection or development.
- E. Repair, reconstruction, restoration, elevation, retrofitting, upgrading to current codes and standards, or replacement of any facility in a manner that substantially conforms to the preexisting design, function, and location. To qualify under this Catex, the proposed action must take place in already disturbed areas, in existing footprints or rights-of-way.

F. Actions conducted within enclosed facilities, etc.

CATEX – LEVEL 3

You must first have considered all possible solutions to solve the problem and have chosen the preferred alternative (project). If your project falls within category A, full coordination would be required on all the acts outlined in the bullets below, or as appropriate for the type of proposed action.

A. Improvements to existing facilities and the construction of small scale hazard mitigation measures in existing developed areas

- National Historic Preservation Act and Archeological & Historical Preservation Act; (SHPO)
- Endangered Species Act; (USFWS)
- Farmlands Protection Policy Act; (NRCS)
- Section 404 of the Clean Water Act; (USACE)
- Any other environmental laws, if they apply
- Executive Order 11988 – Floodplain Management (State Water Control Agency and local floodplain administrator)
- Executive Order 11990 – Wetlands (USFWS, NRCS, USACE)
- 12898 – Environmental Justice (Local Census Office for low income or minority population information)
- All other appropriate State and local agencies

If the proposed action is a culvert enlargement or water project (diversion), supporting preliminary engineering must be submitted to confirm that the project will not cause any increase in flow and therefore would not cause any downstream impacts.

ALTERNATIVES

If your project did not fall within one of the categorical exclusions, then a full environmental review, including evaluation of alternatives, must be completed.

Information for at least three alternatives must be evaluated in this section. Give equal treatment to all alternatives considered to the extent that information is available.

IDENTIFY AT LEAST 3 ALTERNATIVES: Please add additional sheets as needed.

ALTERNATIVE #1 – the No Action alternative evaluates the consequences of taking no action and leaving conditions as they currently exist

ALTERNATIVE #2 (Proposed Action) – is the applicant’s preferred project to solve the problem

ALTERNATIVE #3 - is a second action alternative that would also solve the problem. It must be a viable project that could be substituted in the event the proposed action is not chosen

Additional alternatives considered, if applicable

AFFECTED ENVIRONMENTS AND POTENTIAL IMPACTS OF THE ALTERNATIVES CONSIDERED

1. Geology and Soils

Brief description of the geology and soils at the proposed project areas:

- How would Alternative 1 impact or be impacted by geology and soils?
- How would Alternative 2 impact or be impacted by geology and soils?
- How would Alternative 3 impact or be impacted by geology and soils?
- Continue for the rest of the alternatives, if applicable

Describe any measures that could be undertaken to mitigate the anticipated impacts from implementing the various alternatives described above (i.e. Best Management Practices to reduce the potential for soil erosion, etc.)

2. Land Use and Planning

Description of the existing land use and planning in the project area

1) Zoning

Brief description of the zoning and/or planning at the proposed project areas

- How would Alternative 1 impact or be impacted by zoning and/or planning Would it be consistent with Planning and zoning in the project area?

- How would Alternative 2 impact or be impacted by zoning and/or planning. Would it be consistent with Planning and zoning in the project area?
- How would Alternative 3 impact or be impacted by zoning and/or planning. Would it be consistent with planning and zoning in the project area?
- Continue for the rest of the alternatives, if applicable
- Describe any measures that could be implemented to mitigate the anticipated impacts of any of the alternatives

2) Prime Farm Land

Brief description of any prime farmlands located in the project areas

- How would Alternative 1 impact or be impacted by prime farmland?
- How would Alternative 2 impact or be impacted by prime farmland?
- How would Alternative 3 impact or be impacted by prime farmland?
- Continue for the rest of the alternatives, if applicable
- Describe any measures that can be implemented to mitigate the anticipated impacts described above

3) Floodplain Encroachment

Fill out and attach the FEMA Form 90-62 Reconnaissance/Review for Floodplain Management.

Are any of the alternatives located in the floodplain or floodway designated on a FEMA Flood Insurance Rate Map (FIRM) or Flood Boundary/Floodway Map? If yes, designate the project locations on a FEMA flood map and attach to the application

Is the community where the project is located participating in the NFIP and are they in good standing?

Would any of the alternatives impact the FEMA map?

- How would Alternative 1 impact the floodplain?

- How would Alternative 2 impact the floodplain?

- How would Alternative 3 impact the floodplain?

- Continue for the rest of the alternatives, if applicable

3. Traffic Circulation, Volume, and Parking Access

Brief description of traffic circulation, volume and parking access in the project areas

- How would Alternative 1 impact or be impacted by traffic circulation, volume and parking access?

- How would Alternative 2 impact or be impacted by traffic circulation, volume and parking access?

- How would Alternative 3 impact or be impacted by traffic circulation, volume and parking access?

- Continue for the rest of the alternatives, if applicable
- Describe any measures that could be implemented to mitigate any identified impacts

4. Public Health and Safety

Brief description of any health and safety issues in the project areas. This involves a brief discussion of federal and state standards, if applicable

- How would Alternative 1 impact public health and safety issues?
- How would Alternative 2 impact public health and safety issues?
- How would Alternative 3 impact public health and safety issues?
- Continue for the rest of the alternatives, if applicable
- Describe any measures that could be implemented to mitigate any of the anticipated impacts

5. Socio-Economic Issues

Brief description of affected populations in the project areas. Census data should be used, if appropriate. Include a description and distribution (if any) of minority, elderly and low income populations

- How would Alternative 1 impact any populations described above?
- How would Alternative 2 impact any populations described above?
- How would alternative 3 impact any populations described above?

- Continue for the rest of the alternatives, if applicable
- Describe any measures that could be implemented to mitigate the anticipated impacts

1) Air Quality

- Brief description of air quality standards in the project areas and any local or state requirements, if applicable. Impacts should address short-term (during construction) and long-term (operational) impacts on air quality
- How would Alternative 1 impact air quality in the project areas?
- How would Alternative 2 impact air quality in the project areas?
- How would Alternative 3 impact air quality in the project areas?
- Continue for the rest of the alternatives, if applicable
- Describe any measures that could be implemented to mitigate the anticipated impacts described above

2) Noise

- Brief description of any noise ordinances and sensitive receptors that may exist in the project areas
- How would Alternative 1 impact ambient noise levels in the project areas?
- How would Alternative 2 impact ambient noise levels in the project areas?
- How would Alternative 3 impact ambient noise levels in the project areas?
- Continue for the rest of the alternatives, if applicable

- Describe any measures that could be implemented to mitigate the anticipated impacts described above

3) Public Services and Utilities

- Brief description of the public services and utilities provided in the project areas. This should include, but not be limited to, water, sanitation, solid waste disposal, storm water drainage, electric power, natural gas, telephone/television service, law enforcement, fire protection, public transit system and emergency medical and hospitals
- How would Alternative 1 impact public services and utilities in the project area?
- How would Alternative 2 impact public services and utilities in the project area?
- How would Alternative 3 impact public services and utilities in the project area?
- Continue for the rest of the alternatives, if applicable
- Describe any measures that could be implemented to mitigate the anticipated impacts described above

4. Water Quality/Water Resources

Brief description of any water quality/water resource issues relative to the project area. This could include water-use classifications or local issues due to runoff during and after construction.

If the proposed project would divert or re-channel water, a preliminary engineering report with hydraulics and/or hydrology must be included with the application in order to evaluate downstream impacts.

- How would Alternative 1 impact water quality and/or water resources in the project area?
- How would Alternative 2 impact water quality and/or water resources in the project area?
- How would Alternative 3 impact water quality and/or water resources in the project area?
- Continue for the rest of the alternatives, if applicable.
- Describe any measures that could be implemented to mitigate the anticipated impacts described above. Impacts should address short-term (during construction) and long-term impacts on water quality.

5. Biological Resources

1) Wetlands

Consult a National Wetlands Inventory Map to determine if wetlands are located in the project areas.

If yes, attach a copy of the map(s) to the application designating the location of the wetlands and identifying the types of wetlands located in the project areas.

- How would Alternative 1 impact wetlands in the project area?
- How would Alternative 2 impact wetlands in the project area?
- How would Alternative 3 impact wetlands in the project area?
- Continue for the rest of the alternatives, if applicable.

- Describe any measures that could be implemented to mitigate the anticipated impacts described above.

2) Threatened or Endangered Species (animal, plant or aquatic)

Contact state and federal agencies to determine if any threatened, endangered, or sensitive species (animal, plant, and aquatic) or their habitat is located in or near the proposed project areas.

- How would Alternative 1 impact any threatened, endangered, or sensitive species or their habitat in the project area?

- How would Alternative 2 impact any threatened, endangered or sensitive species or their habitat in the project area?

- How would Alternative 3 impact any threatened, endangered or sensitive species or their habitat in the project area?

- Continue for the rest of the alternatives, if applicable.

- Describe any measures that could be implemented to mitigate the anticipated impacts described above.

3) Vegetation, Wildlife, and Aquatic Resources

Describe other vegetation, wildlife, and aquatic resources in the project areas.

- How would Alternative 1 impact resources in the project area?
- How would Alternative 2 impact resources in the project area?
- How would Alternative 3 impact resources in the project area?
- Continue for the rest of the alternatives, if applicable.
- Describe any measures that could be implemented to mitigate the anticipated impacts described above.

8. Cultural Resources

1) Historic Properties

Identify any historic properties in the project areas by determining the age of the property and consulting with the State Historic Preservation Officer.

- How would Alternative 1 impact historic properties in the project area?
- How would Alternative 2 impact historic properties in the project area?

- How would Alternative 3 impact historic properties in the project area?
- Continue for the rest of the alternatives, if applicable.
- Describe any measures that could be implemented to mitigate the anticipated impacts described above.

2) Archeological Resources

Identify any potential archeological resources in the project areas by consulting with the State Historic Preservation Officer. You may be asked to perform a records search and/or a pedestrian survey of the proposed project areas.

- How would Alternative 1 impact archeological resources in the project area?
- How would Alternative 2 impact archeological resources in the project area?
- How would Alternative 3 impact archeological resources in the project area?
- Continue for the rest of the alternatives, if applicable.
- Describe any measures that could be implemented to mitigate the anticipated impacts described above.

9. Hazardous Materials and Wastes (to be used if hazardous materials and wastes issues are identified)

The American Society of Testing and Materials (ASTM) (1994) Standard E 1527-94 defines a recognized environmental condition as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. This can include releases from waste sites, disposal sites, dump pits, etc.

Brief description of any hazardous materials and waste issues involved in the project areas. This involves a brief discussion of federal and state standards, if applicable.

- How would Alternative 1 impact or be impacted by these issues.
- How would Alternative 2 impact or be impacted by these issues.
- How would Alternative 3 impact or be impacted by these issues.
- Continue for the rest of the alternatives, if applicable.
- Describe any measures that could be implemented to mitigate the anticipated impacts described above.

10. Permits

- List the type of permits typically required for your project, such as a 404 permit from the Army Corps of Engineers, building permit, permit for storm water or sediment and erosion control, floodplain permit, etc. State whether you have applied for the required permit, or, if not, when will you apply.

11. Public Notice Coordination

- Provide the name of the most widely circulated newspaper where the proposed project is located, the address, phone and fax numbers and the publication deadlines.