

Railroad Safety Grants for the Safe Transportation of Energy Products by Rail

Metropolitan Des Moines Track Improvements

Submitted by Iowa Department of Transportation

Appendix G

Categorical Exclusion Worksheet

Preliminary Review

The following FRA Categorical Exclusion Worksheet represents a preliminary review of the project area.

If awarded a grant, the Iowa DOT's Office of Location and Environment will undertake a more comprehensive review.

Any required field studies or more comprehensive reviews will be accomplished by qualified Iowa DOT staff or by a qualified contractor engaged by the sub-grantee.

Expiration 08/31/2018

OMB No. 2130-0548

Public reporting burden for this information collection is estimated to average 176 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for this information collection is 2130-0548. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection, including suggestions for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave., N.W., Washington D.C. 20590.

Federal Railroad Administration (FRA)
CATEGORICAL EXCLUSION WORKSHEET

The purpose of this worksheet is to assist Project sponsors in gathering and organizing materials for environmental analysis required under the National Environmental Policy Act (NEPA), particularly for projects that may qualify as Categorical Exclusions. Categorical Exclusions are categories of actions (i.e. types of projects) that the FRA has determined, based on its experience, typically do not individually or cumulatively have a significant effect on the human environment and which generally do not require the preparation of either an environmental impact statement (EIS) or an environmental assessment (EA). Decisions to prepare EAs and EISs are made by FRA.

Submission of the worksheet by itself does not meet NEPA requirements. FRA must concur in writing with the Categorical Exclusion recommendation for NEPA requirements to be met.

The Project sponsor is responsible for providing FRA with a sufficient level of documentation and analysis to help inform FRA's determination that a Categorical Exclusion is the appropriate NEPA class of action. Documentation and analysis may include background research, results of record searches, field investigations, field surveys, and any past planning or studies.

Instructions for completing this worksheet are available on the FRA website at: <http://www.fra.dot.gov/eLib/Details/L02708>. Please complete this worksheet using compatible word processing software and submit and transmit the completed form in MS Word electronic format.

The following documents must be submitted along with this worksheet:

1. Include maps or diagram of the Project area that identifies locations of critical resource areas, wetlands, potential historic sites, or sensitive noise receptors such as schools, hospitals, and residences.
2. Include maps or diagrams of the proposed modifications to existing railways, roadways, and parking facilities.
3. Copies of all agency correspondence particularly with permitting agencies.
4. Representative photographs of the Project area.

I. PROJECT DESCRIPTION

FRA Categorical Exclusion Worksheet

Project Sponsor Iowa Department of Transportation		Date Submitted to FRA 11/3/2015	FRA Funding (TIGER, HSIPR, Rail Line Relocation, RRIF, etc.) or other FRA Action RR Safety Grants for the Safe Transportation of Energy Products by Rail Program
Contact Person Tamara Nicholson		Phone 515-239-1052	E-mail address Tamara.nicholson@dot.iowa.gov
Proposed Project Title Metropolitan Des Moines Mainline Track Improvements			
Location (Include Street Address, City or Township, County, and State) Des Moines and West Des Moines, Polk County, Iowa Track in Des Moines and West Des Moines			
NEPA Contact Tracy Troutner		Phone 515-239-1467	E-mail Address Tracy.troutner@dot.iowa.gov
<p>Description of Proposed Action (Project): Fully describe the Project including specifics that may be of environmental concern such as: <i>widening an embankment to stabilize roadbed; repairing or replacing bridge pier foundations, extending culverts, including adding rip-rap in a waterway; earthwork and altering natural (existing) drainage patterns and creating a new water discharge; contaminated water needing treatment; building a new or adding on to a shop building; fueling or collection of fuel or oil and contaminated water; building or extending a siding; and building or adding on to a yard. Where applicable fully describe the operational characteristics of the facility to be improved by the proposed action and any anticipated operational changes that may result.</i></p> <p>The Metropolitan Des Moines Mainline Track Improvements project will complete the rehabilitation and enhancement of 4.34 miles of mainline track operated by Iowa Interstate Railroad (IAIS.) This project will complete efforts to improve track to more safely and efficiently transport unit trains of ethanol through metropolitan Des Moines, Iowa's largest population center. The project will reduce risks associated with infrastructure and maintenance and create safer and more efficient transportation of ethanol. The track was formally part of the bankrupt Rock Island Railroad and acquired in the early 80's. The project consists of two track segments on the IAIS line. The connecting track segment will be rehabilitated by IAIS in 2016 with private financing.</p> <p>The easternmost segment of track in this proposed action runs directly south and parallel to the downtown area of Des Moines, a large commercial and business center. The westernmost segment traverses diagonally south east of the West Des Moines. The connecting segment will be completed in 2016 with private financing.</p> <p>The proposed action involves the replacement of 112# jointed rail with 4.34 miles of 115# Continuous Welded Rail (CWR) rail, replacement of necessary ties (typically 800 ties/mile), the replacement of steel components (rail, plates, and fasteners, welds), and the placement of new ballast and surfacing work. The rehabilitation and enhancement will not divert from the current alignment. All work will occur within the existing right-of-way. Consequently, the proposed action will not involve utility relocations and includes no bridges. The proposed action includes twenty (20) public at-grade highway-railroad crossings, some of which will be replaced as part of the project.</p> <p>Operationally, the heavier rail, tie replacement, ballast and surfacing will provide a more robust track structure that more safely will handle the transport of unit trains of flammable ethanol. Motorist delays will decrease at 19 crossings when train speeds on the downtown segment of the corridor increase from 10 mph to 25 mph.</p>			

Purpose and Need of Proposed Action (Project).

The purpose of the proposed action is to improve the safety of transporting unit trains of ethanol through the metropolitan Des Moines area. When IAIS acquired the line from the bankrupt Rock Island Railroad, they acquired a line that had suffered years of deferred capital investment and maintenance. IAIS, as a Class II carrier, has worked diligently to restore the railroad into a safe and thriving regional railroad that connects the Omaha/Council Bluffs area with Chicago. The infrastructure enhancement of these two segments of track will complete the upgrading of the track running through the bulk of the metropolitan Des Moines area, Iowa's most populous metro area.

The proposed action will address the following needs:

1. Rail traffic on IAIS is increasing from growth in the ethanol industry and other commodities. Ethanol cars from four ethanol plants in western Iowa are shipped on the IAIS through West Des Moines and Des Moines (approximately 6,080 rail cars annually).
2. The existing 112# jointed rail is older, lighter and has more potential for rail fractures. The existing track structure is approximately 40 years old and is in need of rehabilitation.
3. Downtown Des Moines is in the midst of a renaissance with the development of new or rehabbed commercial and corporate real estate as well as the development of urban housing. This results in a greater "at risk" population in the event of an incident and heavier motor vehicle traffic. New track, ties and surfacing will reduce derailment risk to the large downtown population.

II. NEPA CLASS OF ACTION

Please check the category or categories that the Project best fits. If no category applies, contact FRA as an EA or EIS may need to be prepared.

- Changes in plans for a Project for which an environmental document has been prepared, where the changes would not alter the environmental impacts of the action. *(Describe the full consequences of the changes only in part III)*
- Maintenance of: existing railroad equipment; track and bridge structures; electrification, communication, signaling, or security facilities; stations; maintenance-of-way and maintenance-of-equipment bases; and other existing railroad-related facilities. *("Maintenance" means work, normally provided on a periodic basis, which does not change the existing character of the facility, and may include work characterized by other terms under specific FRA programs)*
- Temporary replacement of an essential rail facility if repairs are commenced immediately after the occurrence of a natural disaster or catastrophic failure.
- Operating assistance to a railroad to continue existing service or to increase service to meet demand, where the assistance will not result in a change in the effect on the environment.
- Financial assistance for the construction of minor loading and unloading facilities, provided that proposals are consistent with local zoning, do not involve the acquisition of a significant amount of land, and do not significantly alter the traffic density characteristics of existing rail or highway facilities.
- Minor rail line additions *including construction of side tracks, passing tracks, crossovers, short connections between existing rail lines, and new tracks within existing rail yards*, provided that such additions are consistent with existing zoning, do not involve acquisition of a significant

amount of right of way, and do not substantially alter the traffic density characteristics of the existing rail lines or rail facilities.

- Acquisition of existing railroad equipment, track and bridge structures, electrification, communication, signaling or security facilities, stations, maintenance of way and maintenance of equipment bases, and other existing railroad facilities or the right to use such facilities, for the purpose of conducting operations of a nature and at a level of use similar to those presently or previously existing on the subject properties.
- Research, development and/or demonstration of advances in signal, communication and/or train control systems on existing rail lines provided that such research, development and/or demonstrations do not require the acquisition of substantial amounts of right-of-way, and do not substantially alter the traffic density characteristics of the existing rail line.
- Improvements to existing facilities to service, inspect, or maintain rail passenger equipment, *including expansion of existing buildings, the construction of new buildings and outdoor facilities, and the reconfiguration of yard tracks.*
- Alterations to existing facilities, locomotives, stations and rail cars in order to make them accessible for the elderly and persons with disabilities, *such as modifying doorways, adding or modifying lifts, constructing access ramps and railings, modifying restrooms, and constructing accessible platforms.*
- Bridge rehabilitation, reconstruction or replacement, the rehabilitation or maintenance of the rail elements of docks or piers for the purposes of intermodal transfers, and the construction of bridges, culverts, or grade separation projects, predominantly within existing right-of-way, that do not involve extensive in-water construction activities, *such as projects replacing bridge components including stringers, caps, piles, or decks, the construction of roadway overpasses to replace at-grade crossings, construction or reconstruction of approaches and/or embankments to bridges, or construction or replacement of short span bridges.*
- Acquisition (including purchase or lease), rehabilitation, or maintenance of vehicles or equipment that does not cause a substantial increase in the use of infrastructure within the existing right-of-way or other previously disturbed locations, *including locomotives, passenger coaches, freight cars, trainsets, and construction, maintenance or inspection equipment.*
- Installation, repair and replacement of equipment and small structures designed to promote transportation safety, security, accessibility, communication or operational efficiency that take place predominantly within the existing right-of-way and do not result in a major change in traffic density on the existing rail line or facility, *such as the installation, repair or replacement of surface treatments or pavement markings, small passenger shelters, passenger amenities, benches, signage, sidewalks or trails, equipment enclosures, and fencing, railroad warning devices, train control systems, signalization, electric traction equipment and structures, electronics, photonics, and communications systems and equipment, equipment mounts, towers and structures, information processing equipment, and security equipment, including surveillance and detection cameras.*
- Environmental restoration, remediation and pollution prevention activities in or proximate to existing and former railroad track, infrastructure, stations and facilities conducted in conformance with applicable laws, regulations and permit requirements, *including activities such as noise mitigation, landscaping, natural resource management activities, replacement or improvement to storm water oil/water separators, installation of pollution containment systems, slope stabilization, and contaminated soil removal or remediation activities.*
- Assembly or construction of facilities or stations that are consistent with existing land use and zoning requirements, do not result in a major change in traffic density on existing rail or highway facilities and result in approximately less than ten acres of surface disturbance, *such as storage and maintenance facilities, freight or passenger loading and unloading facilities or stations, parking facilities, passenger platforms, canopies, shelters, pedestrian overpasses or underpasses, paving, or landscaping.*

- Track and track structure maintenance and improvements when carried out predominantly within the existing right-of-way that do not cause a substantial increase in rail traffic beyond existing or historic levels, *such as stabilizing embankments, installing or reinstalling track, re-grading, replacing rail, ties, slabs and ballast, installing, maintaining, or restoring drainage ditches, cleaning ballast, constructing minor curve realignments, improving or replacing interlockings, and the installation or maintenance of ancillary equipment.*

III. PROJECT INFORMATION

Potential impacts from both construction and changes to operations (where applicable) should be analyzed and identified for each resource type below. Where appropriate, the Project sponsor may commit to mitigation measures to avoid, reduce, or minimize impacts, including the use of Best Management Practices (BMP). Mitigation measures necessary to comply with other laws or regulations (e.g. Clean Water Act Section 404) should also be identified and the impacts from mitigation considered.

A. Affected Environment: *Briefly describe the ecosystems and environmental conditions in the area affected by the Project (defined as broadly as necessary to evaluate potential impacts and address Project area habitats).*

The project is located in Des Moines and West Des Moines, IA, Iowa's largest metropolitan area. The project site includes a track segment adjacent to the downtown Des Moines area. A second track segment in West Des Moines is adjacent to an industrial area to the west and a natural area to the east.

The project is near Walnut Woods State Park, Raccoon River Park, and Brown's Woods. The project crosses the Des Moines River in downtown Des Moines and the Raccoon River is adjacent to sections of the project in West Des Moines

See attached Location Map, Resources Map and USGS Quad Map.

B. Location & Land Use: *Briefly describe the existing land use of the Project site and surrounding properties and resources and identify and discuss any potential inconsistencies the Project might have with local land use plans and policies.*

The track enhancements will be entirely on existing and prior railroad right of way and the project will not vary from the current alignment.

Existing land uses in the downtown area are commercial and medium and high density residential. In the West Des Moines area, land uses are industrial/commercial and natural/recreational.

See attached Aerial Map.

C. Cultural Resources: *Is the Project of the type where there is no potential to affect historic properties? Check yes or no depending on whether resources have been identified in the immediate vicinity of the Project (Area of Potential Effect)*

Yes, explain how Project has no potential to affect historic properties. (Continue to D)

No, there is potential to affect historic properties. Describe identification procedures to

determine the existence of cultural resources in the Project area.

It is not anticipated that historic properties will be impacted as no undisturbed right of way is required. However, a cultural assessment of the site will be completed if awarded funding.

Describe any resource(s) identified in the project area and then describe any potential effect of the Project on the resource(s).

Has consultation with the State Historic Preservation Office occurred?

No, contact FRA

Yes, describe and attach relevant correspondence

What resources of interest to Federally-recognized Native American Tribes are known to be present in the Project area?

D. Parks and Recreational Facilities: *Are there any publicly owned park, wildlife and waterfowl refuge, or recreational area of national, state, or local significance within or directly adjacent to the Project area?*

No, include a short statement describe efforts to identify parks and recreational facilities in the Project area.

Yes, include a detailed description of the property, including map or drawing, describe the recreational uses of the property, any unique characteristics of the property, any consultations with the entity with legal jurisdiction over the property, and the potential impact on the property.

County and state park maps and Google Earth maps of the project vicinity were reviewed to determine whether parks, recreational facilities, and wildlife and waterfowl refuges are located within or adjacent to the project site.

Raccoon River Park abuts the track segment in West Des Moines. Raccoon River Park includes a lake, a lodge and a softball complex with 5 diamonds.

The project may have a temporary or de Minimis (minimal) impact on the Raccoon River Park. Most likely, the access to the park and softball complex will be closed during construction. If awarded, there will need to be consultation with the official jurisdiction of the park as part of the Categorical Exclusion review process. See attached Aerial Map.

E. Transportation: *Would the Project have any effect (beneficial or adverse) on transportation including but not limited to other railway operations, road traffic, or increase the demand for parking?*

No, explain why the Project would have no effect (beneficial or adverse) on transportation

Yes, describe potential transportation, traffic, and parking impacts, and address capacity constraints and potential impacts to existing railroad and highway operations. Also, summarize any consultation that has occurred with other railroads or highway authorities whose operations this Project will impact.

The project will improve railroad infrastructure and improve safety of carrying ethanol and other commodities. The project will eliminate infrastructure risks associated with track conditions, poor drainage and poor geometry.

In the downtown Des Moines area, train speeds will be able to increase to 25 mph, reducing traffic congestion and wait times at 19 at grade crossings.

F. Noise and Vibration: *Are there any sensitive receptors in the Project area?*

No, describe why there are no sensitive receptors (residences, parks, schools, hospitals, public gathering spaces) in or near the Project area. (Continue to G)

Yes, will the Project change the noise and/or vibration exposure of the sensitive receptors when applying the screening distances for noise and vibration assessment found in FRA and Federal Transit Administration's noise impacts assessment guidance manuals? Such changes in exposure might include changes in noise emissions and/or events, or changes in vibration emissions and/or events.

A Noise Assessment will be completed by the applicant, if awarded funding.

If the Project is anticipated to change the noise or vibration exposure of sensitive receptors, complete and attach a General Noise and/or Vibration Assessment. Describe the results of the Assessment and any mitigation that will address potential impacts.

The train speed will increase from 10 to 25 mph in downtown Des Moines. A Vibration Assessment will be completed by the applicant, if necessary, if awarded funding.

G. Air Quality: *Is the Project located in a Non-Attainment or Maintenance area?*

No, identify any air emissions increases or benefits that the project will create.
(Continue to H)

Yes, for which of the following pollutants:

- Carbon Monoxide (CO) Ozone (O₃), volatile organic compounds or Nitrous Oxides (NO_x)
 Particulate Matter (PM₁₀ and PM_{2.5})

Will the Project, both during construction and operation, result in new emissions of criteria pollutants including Carbon Monoxide (CO), Ozone (O₃), volatile organic compounds, or Nitrous Oxides NO_x, Particulate Matter (PM₁₀ and PM_{2.5})?

No Yes, Attach an emissions analysis for General Conformity regarding CO, O₃, PM₁₀, and NO_x.

Based on the emissions analysis, will the Project increase concentrations of ambient criteria pollutants to levels that exceed the NAAQS, lead to the establishment of a new non-attainment area, or delay achievement of attainment?

No Yes, Describe any substantial impacts from the Project.

H. Hazardous Materials: *Does the Project involve the use or handling of hazardous materials?*

No (continue to I)

Yes, describe the use and measures that will mitigate any potential for release and contamination.

Large volumes of ethanol are handled through the project limits. The project will eliminate infrastructure risks associated with track conditions, poor drainage and poor geometry. The project will marginally increase train speeds in a portion of the project to 25 mph, which is still below recommended maximum speeds for high hazard energy trains.

I. Hazardous Waste: *Is the Project site in a developed area or was previously developed or used for industrial or agricultural production,*

No, describe the steps taken to determine that hazardous materials are not present on the Project site. (Continue to J)

A hazardous waste assessment of the site will be completed by the applicant, if awarded funding.

Yes. *If yes, is it likely that hazardous materials will be encountered by undertaking the Project? (Prior to acquiring land or a facility with FRA funds, FRA must be consulted regarding the potential presence of hazardous materials)*

Yes, complete a Phase I site assessment and attach.

No, explain why it is unlikely that hazardous materials will be encountered.

If a Phase I survey was completed, is a Phase II site assessment recommended?

No, explain why a Phase II site assessment is not recommended.

Yes, describe the mitigation and clean-up measures that will be taken to remediate any hazardous materials present and what steps will be taken to ensure that the local community is protected from contamination during construction and operation of the Project.

J. Property Acquisition: *Is property acquisition needed for the Project?*

No (continue to K)

Yes, indicate how much property and whether the acquisition will result in relocation of businesses or individuals. **Note:** *acquiring property prior to completing the NEPA process and receiving written FRA concurrence in the NEPA recommendation may jeopardize Federal financial participation in the Project.*

K. Community Impacts and Environmental Justice: *Is the Project likely to result in impacts to adjacent communities? Impacts might be both beneficial (e.g. economic benefits) or adverse (e.g. reduction in community cohesion).*

No, describe the steps taken to determine whether the Project might result in impacts to adjacent communities. (Continue to L)

Yes, characterize the socio-economic profile of the affected community, including the presence of minority or low-income populations.

Describe any potential adverse effects to communities, including noise, visual and barrier effects. Indicate whether the Project will have a disproportionately high and adverse effect on minority or low-income populations. Describe outreach efforts targeted specifically at minority or low-income populations.

An evaluation of Community Impacts and Environmental Justice has not been completed and will be completed by the applicant, if awarded funding.

L. Impacts On Wetlands: *Does the Project temporarily or permanently impact wetlands or require alterations to streams or waterways?*

No, describe the steps taken to determine that the Project is not likely to temporarily or permanently impact wetlands or require alterations to streams or waterways.

All project work will be completed on existing rail right of way. A wetlands assessment of the site will be completed by the applicant, if awarded funding.

Yes, show wetlands and waters on the site map and classification. Describe the Project's

potential impact to on-site and adjacent wetlands and waters and attach any correspondence with the US Army Corps of Engineers.

Is a Section 404 Permit necessary?

Yes, attach all permit related documentation

No

M. Floodplain Impacts: *Is the Project located within the 100-year floodplain or are regulated floodways affected?*

No (continue to N)

Yes, describe the potential for impacts due to changes in floodplain capacity or water flow, if any and how the Project will comply with Executive Order 11988. If impacts are likely, attach scale maps describing potential impacts and describe any coordination with regulatory entities.

This project will affect a floodplain or floodway. A floodplain evaluation and permit application to the City of Des Moines will be completed by the applicant, if awarded funding.

N. Water Quality: *Are protected waters of special quality or concern, or protected drinking water resources present at or directly adjacent to the Project site?*

No, describe the steps taken to identify *protected waters of special quality or concern, or protected drinking water resources present at or directly adjacent to the Project site.*

Yes, describe water resource and the potential for impact from the Project, and any coordination with regulatory entities.

This project is near the Des Moines River. An evaluation of water resources impacts and permit application to the City of Des Moines will be completed by the applicant, if awarded funding.

O. Navigable Waterways: *Does the Project cross or have effect on a navigable waterway?*

No (continue to P)

Yes, describe potential for impact and any coordination with US Coast Guard.

P. Coastal Zones: *Is the Project in a designated coastal zone?*

No (continue to Q)

Yes, describe coordination with the State regarding consistency with the coastal zone management plan and attach the State finding if available.

Q. Prime and Unique Farmlands: *Does the Project impact any prime or unique farmlands?*

No, describe the steps taken to identify *impacts to prime or unique farmlands.*

FRA Categorical Exclusion Worksheet

The proposed action is on existing railroad right of way, and will not divert from current alignment. No farmland will be impacted by the project.

Yes, describe potential for impact and any coordination with the Soil Conservation Service of the US Department of Agriculture.

R. Critical Habitat and Endangered Species: *Are there any designated critical habitat areas (woodlands, prairies, wetlands, rivers, lakes, streams, and geological formations determined to be essential for the survival of a threatened or endangered species) within or directly adjacent to the Project site?*

No, describe the steps taken to identify critical habitat within or directly adjacent to the Project site.

Yes, describe them and the potential for impact.

If awarded funding, the project applicant will make a determination of any critical habitat or endangered species that may be impacted and take appropriate action. The project applicant will complete a Determination of Effect for Threatened and Endangered Species after consultation with the Iowa Department of Natural Resources and evaluation of USFWS website information.

Are any Threatened or endangered species located in or adjacent to the site?

No, describe the steps taken to identify the presence of endangered species directly adjacent to the Project site.

Yes, describe them and the potential for impact. Describe any consultation with the State and the US Fish and Wildlife Service about the impacts to these natural areas and on threatened and endangered fauna and flora that may be affected. If required prepare a biological assessment and attach it and any applicable agency correspondence.

S. Public Safety: *Will the Project result in any public safety impacts?*

No, describe method used to determine whether the Project results in any safety or security impacts

The project involves rail rehabilitation. Short term highway-railroad crossing closures may occur during the project. Coordination with public safety officials will take place for any closures alleviating safety and security concerns.

Yes, describe the safety or security concerns and the measures that would need to be taken to provide for the safe and secure operation of the Project during and after its construction.

T. Cumulative Impacts: A "cumulative impact" is the impact on the environment that results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions. Cumulative impacts may include ecological (such as the effects on natural resources and on the components, structures, and functioning of affected ecosystems), aesthetic, historic, cultural, economic, social, or health, whether direct, indirect, or resulting from smaller actions that individually have no significant impact. Determining the cumulative environmental consequences of an action requires delineating the cause-and-effect relationships between the multiple actions and the resources, ecosystems, and human communities of concern.

Are cumulative impacts likely? No Yes, describe the impacts:

Since the project is not expected to have adverse effects on the resources listed in A through S of this CE, overall cumulative impact of the proposed action and the consequences of subsequent related actions are not expected to be collectively significant.

U. Indirect Impacts: "Indirect impacts" are those that are caused by the action and are later in time or farther removed in distance, but are still reasonably foreseeable. Indirect impacts may include growth inducing effects and other effects related to induced changes in the pattern of land use, population density or growth rate, and related effects on air and water and other natural systems, including ecosystems.

Are Indirect impacts likely? No Yes, describe the impacts:

The majority of indirect impacts are expected to be beneficial. Implementation of the project will reduce infrastructure condition risks with the rail transport of ethanol.

V. Commitments: List all measures, procedures and practices that have been incorporated into the Project avoid and minimize impacts, if any, as identified in the above sections of this worksheet.

None

W. Public Notification: Briefly describe any public outreach efforts undertaken on behalf of the Project, if any. Indicate opportunities the public has had to comment on the Project (e.g., Board meetings, open houses, special hearings).

None

Has the Project generated any public discussion or concern, even though it may be limited to a relatively small subset of the community? Indicate any concerns expressed by agencies or the public regarding the Project.

No

X. Related Federal, State, or Local Actions: Does the Project require any additional actions (e.g., permits) by other Agencies? Attach copies of relevant correspondence. It is not necessary to attach voluminous permit applications if a single cover Agency transmittal will indicate that a permit has been granted. Permitting issues should be described in the relevant resource discussion above.

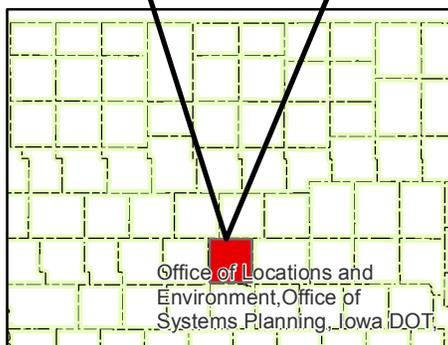
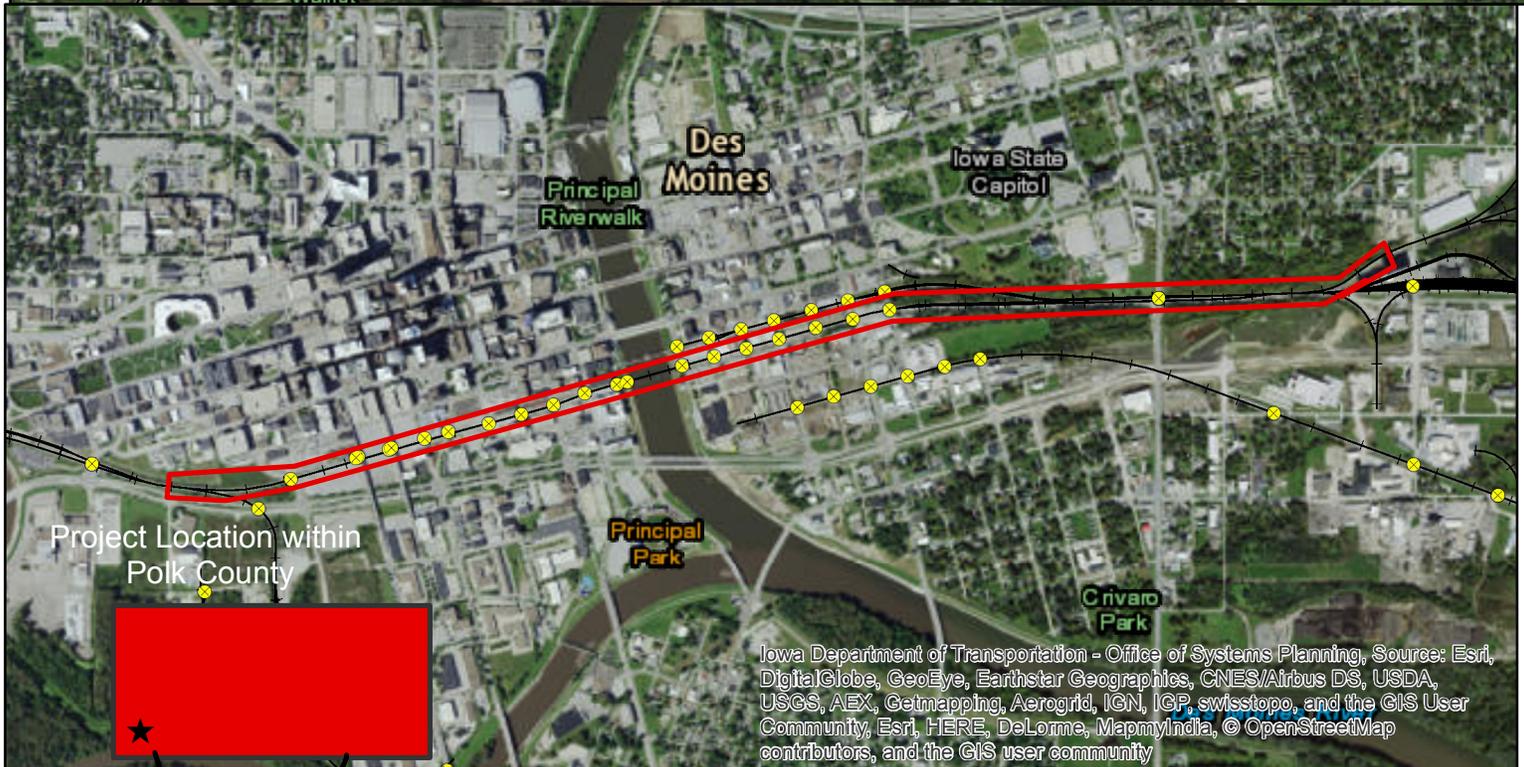
Section 106 Historic Properties

Section 401/404 of the Clean Water Act; Wetlands and Water Quality

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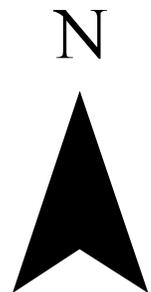
- Section 402 of the Clean Water Act**
- USCG 404** *Navigable Waterways*
- Migratory Bird Treaty Act**
- Endangered Species Act** *Threatened and Endangered Biological Resources*
- Magnuson-Stevens Fishery Conservation and Management Act** *Essential Fish Habitat*
- Safe Drinking Water Act**
- Section 6(f) Land and Conservation Act**
- Other State or Local Requirements** (Describe)

Des Moines/West Des Moines Mainline Track Improvement

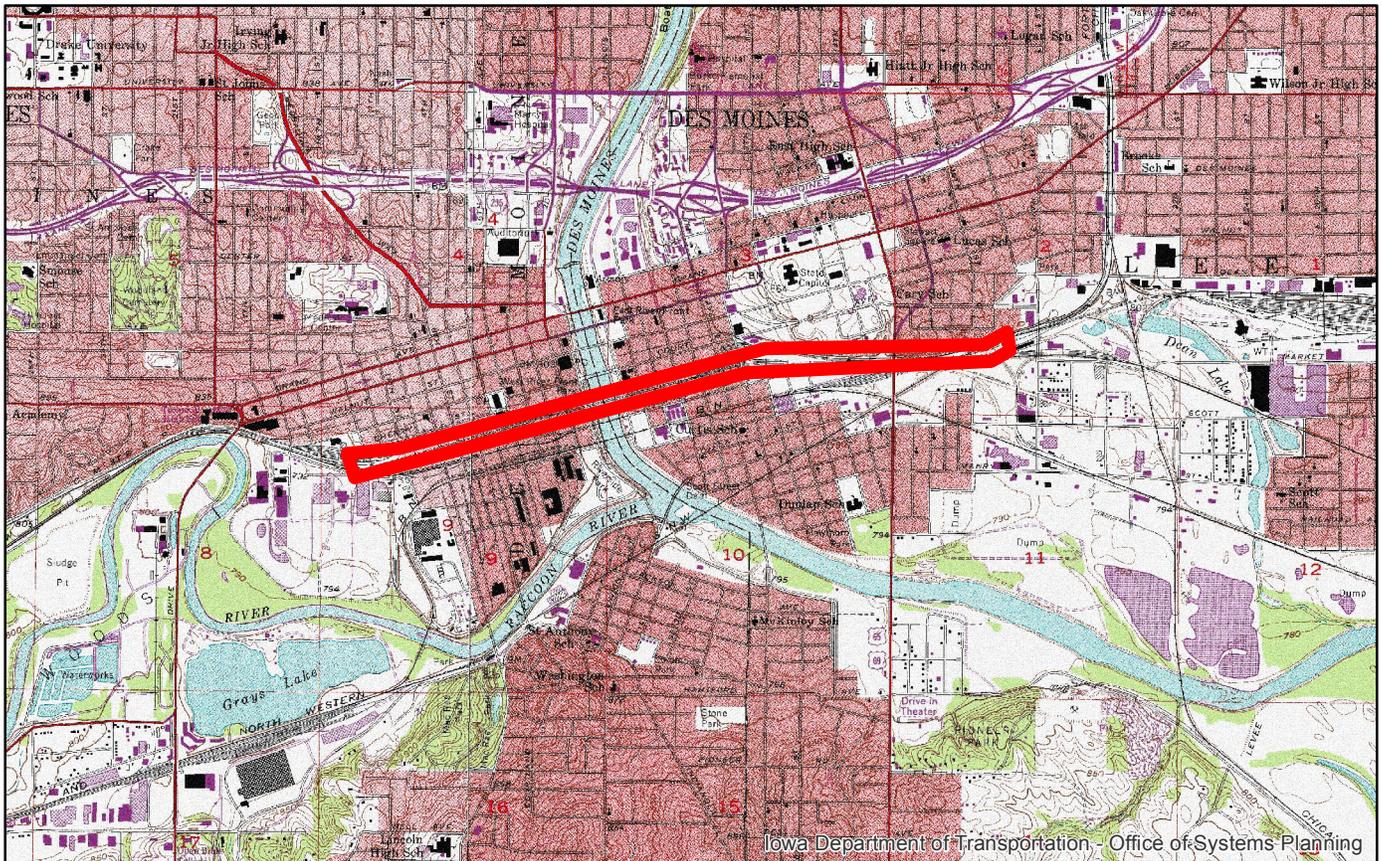
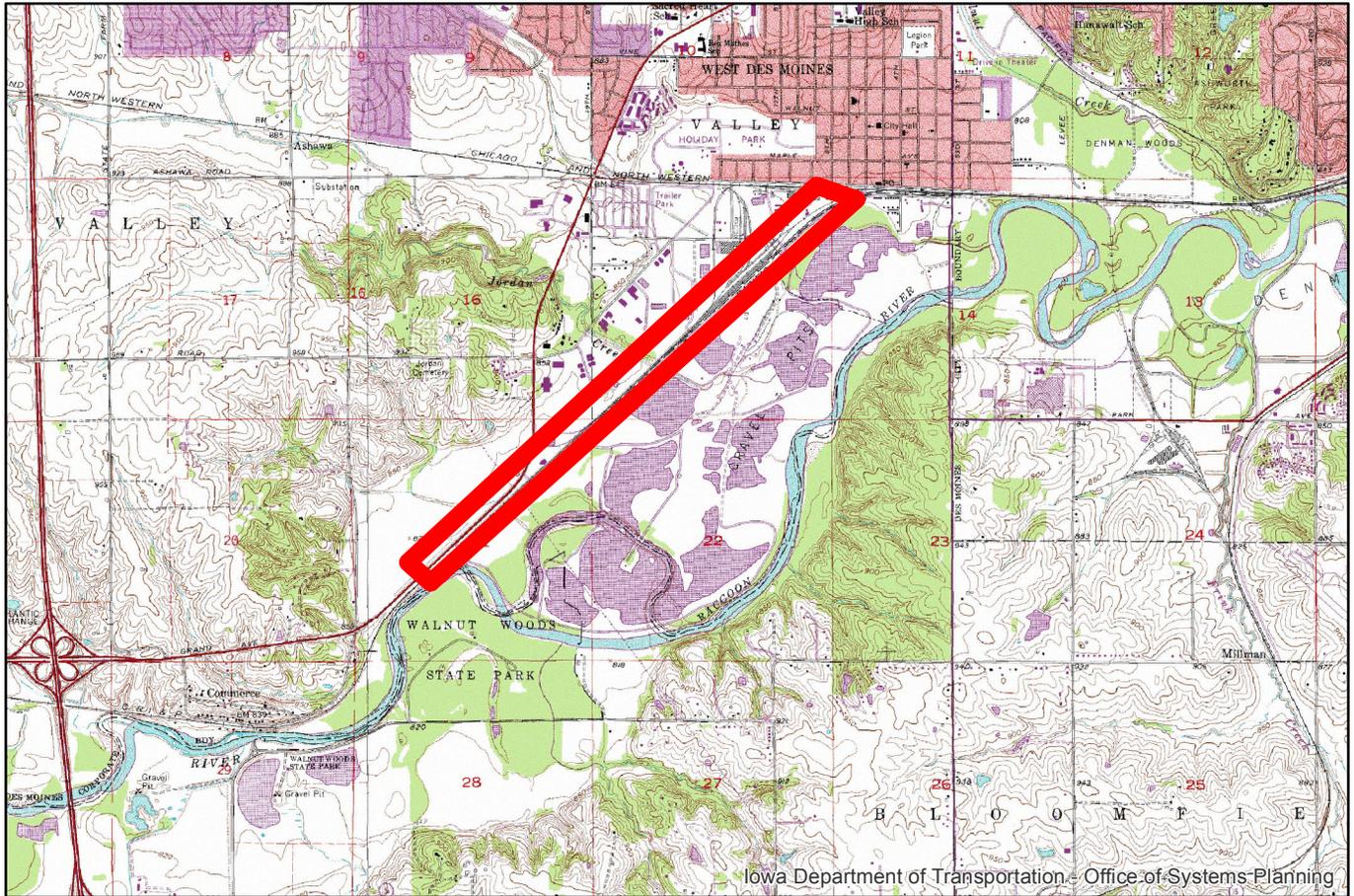


Legend

- Project Boundary
- railroad
- X
R R Public Railroad Crossing
- Active Rail Lines



Quad Map - Polk County



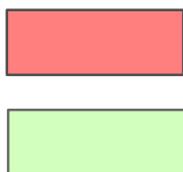
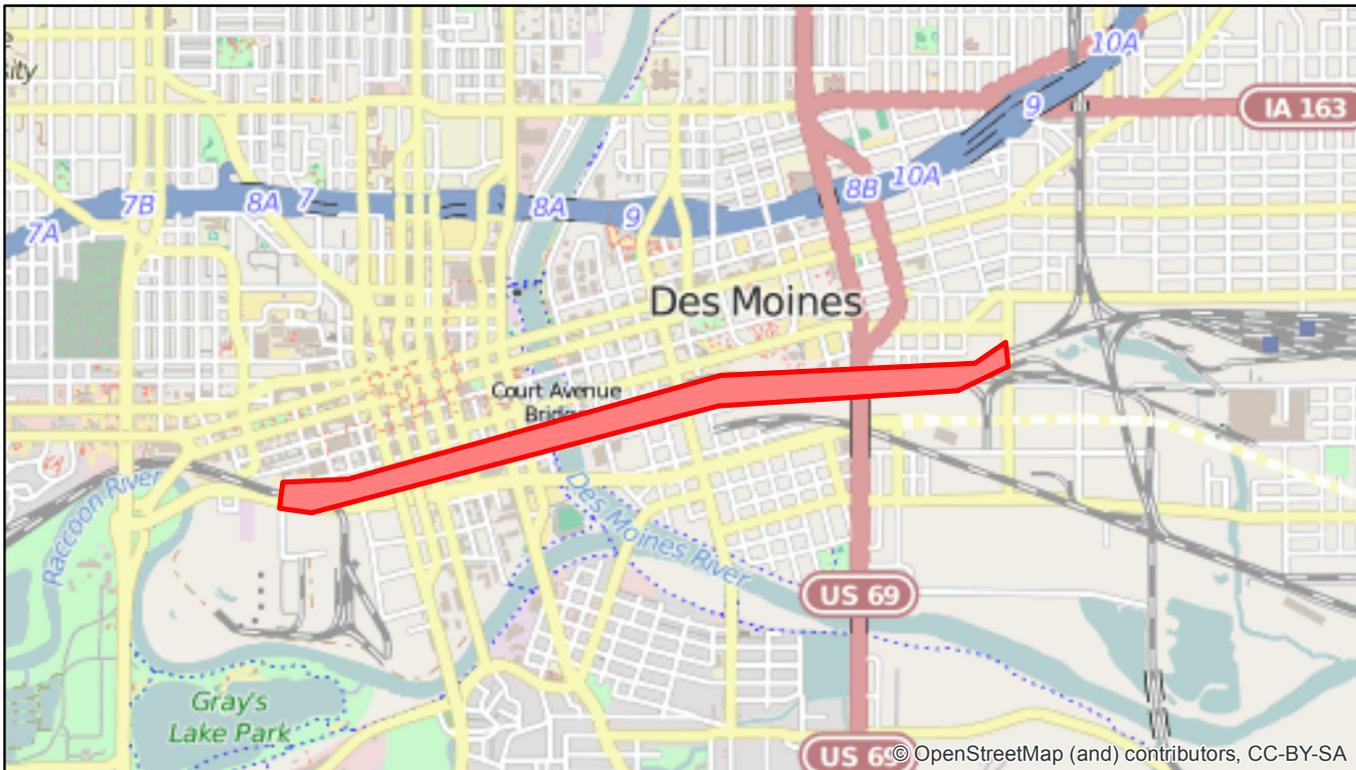
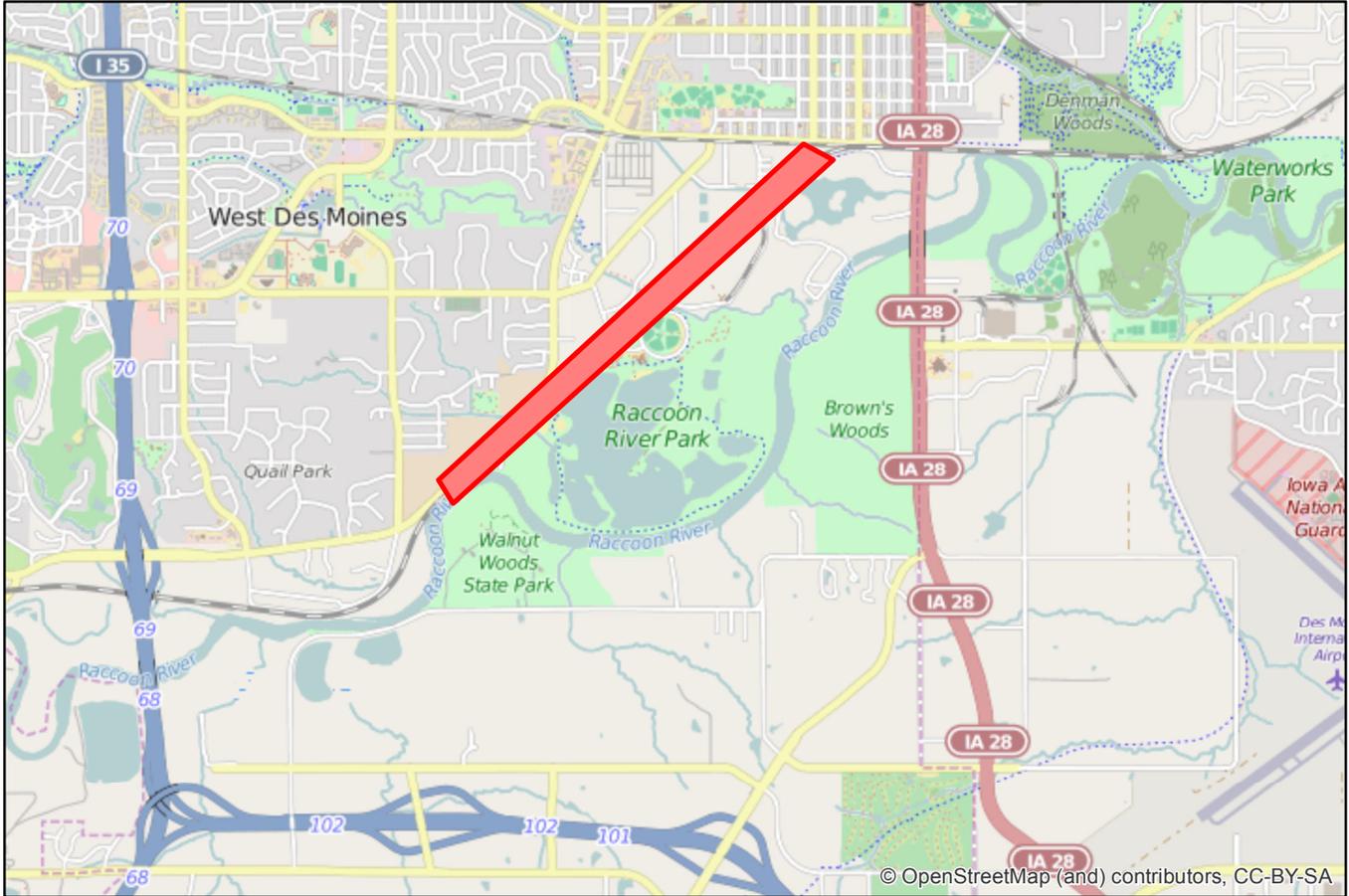
0 0.225 0.45 0.9 1.35 1.8 Miles



Project Area



Aerial Map - Polk County



IASIS Track Improvement (Des Moines)

Parks



Rivers

N

