

## **Federal Railroad Administration (FRA) CATEGORICAL EXCLUSION WORKSHEET**

**Note:** The purpose of this worksheet is to assist proposal sponsors in gathering and organizing materials for environmental analysis required under the National Environmental Policy Act (NEPA), particularly for proposals, which may qualify as Categorical Exclusions and to assist the FRA in evaluating requests from project sponsors for categorical exclusion determinations. 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 or an environmental assessment.

Submission of the worksheet by itself does not meet NEPA requirements. FRA must concur in writing with the proposal sponsor's Categorical Exclusion recommendation for NEPA requirements to be met. Please complete this worksheet using compatible word processing software and submit and transmit the completed form in electronic format.

<i>For Agency Use</i>		<i>Date Received:</i>
<i>Reviewed By:</i> <i>Date:</i>	<i>Recommendation for action:</i> <input type="checkbox"/> <i>Accept</i> <input type="checkbox"/> <i>Return for Revisions</i> <input type="checkbox"/> <i>Not Eligible</i>	
<i>Comments:</i>		
<i>Concurrence by Counsel:</i> <input type="checkbox"/> <i>Accept Recommendation</i> <input type="checkbox"/> <i>Return with Comments</i>	<i>Reviewed By:</i> <i>Date:</i>	
<i>Comments:</i>		
<i>Concurrence by Approving Official:</i>		<i>Date:</i>

**I.      PROPOSAL DESCRIPTION**

<b>Proposal Sponsor</b> BNSF Railway	<b>Date Submitted</b> 8/24/09	<b>FRA Identification Number (if any)</b>
<b>Proposal Title</b> Ardmore, OK Amtrak Speed Improvements		
<b>Location (Include Street Address, City or Township, County, and State)</b> Fort Worth, Texas		
<b>Contact Person</b> Brian Large	<b>Phone</b> 817-352-2905	<b>E-mail Address</b> brian.large@bnsf.com
<p>Note: Fully describe the proposal including specifics that may be of environmental concern such as: widening an embankment to stabilize roadbed; repairing or replacing bridge piers foundations, including adding rip-rap in a waterway; earthwork and altering natural (existing) drainage patterns and creating 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.</p>		
<p><b>Description of Proposal</b> Proposed project will improve the CTC signaling system in conjunction with the switch replacment project in Ardmore, OK. This signaling improvement will promote increase trains speed in, to and through Ardmore, OK on both Main 1 and Main 2. The scope of work includes installation of new signaling equipment at the Main 1 to Main 2 connection including new signal componentry, signals and communications equipment.</p>		

**Purpose and Need of Proposal**

Current speed restricted on Main 2 to 25 MPH and this project would raise the speed to 60mph. Additionally, this project will support 45 mph southbound moves on Main 1.

This project will enhance community quality of life by increasing train velocity through area and decreasing crossing wait times.

This project increases the reliability and consistency of freight service and decreases maintenance cost.

**II. NEPA CLASS OF ACTION**

*Answer the following questions to determine the proposal's potential class of action.*

**A. Will the proposal substantially impact the natural, social and / or human environment?**

YES (Contact FRA)  NO (Continue)

*Actions that will significantly impact the environment require preparation of an Environmental Impact Statement. These proposals typically include construction or extension of rail lines or rail facilities including passenger, high speed, or freight rail activities.*

**B. Is the significance of the proposal's social, economic or environmental impacts unknown?**

YES (Contact FRA)  NO (Continue)

**C. Does Section 4(f) of the Department of Transportation Act apply? (i.e. proposal requires the use of publicly owned land of a public park, recreation area, or wildlife and waterfowl refuge of national, State, or local significance, or land of an historic site of national, State, or local significance, as determined by the Federal, State, or local officials having jurisdiction over the park, area, refuge, or site.)**

YES (Contact FRA)  NO (Continue)

**D. Is the proposal likely to require detailed evaluation of more than a few potential impacts?**

YES (Contact FRA)  NO (Continue)

**E. Is the proposal likely to generate intense public discussion or concern, even though it may be limited to a relatively small subset of the community?**

YES (Contact FRA)  NO (Continue)

**F. Is the proposal inconsistent with any Federal, State, or local law, regulation, ordinance, or Judicial or administrative determination relating to environmental protection?**

YES (Contact FRA)  NO (Continue)

**G. Is the proposal an integral part of a program of current Federally supported actions which, when considered separately, would not be classified as major actions, but when considered together may result in substantial impacts?**

YES (Contact FRA)  NO (Continue)

*If the answer to any of the questions B through G is "YES", contact the FRA to determine whether the proposal requires preparation of an Environmental Assessment.*

**H. Is the proposal consistent with one of the following potential Categorical Exclusions?**

FRA Procedures for Considering Environmental Impacts, 64 FR 28545 (May 26, 1999)

YES (Mark category and continue as indicated)  NO (Contact FRA)



Financial assistance or procurements solely for planning or design activities that do not commit the FRA or

its applicants to a particular course of action affecting the environment. (*stop and submit to FRA*)

- State rail assistance grants for acquisition. (*Continue to Part III*)
- 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. (*stop and submit to FRA*)
- 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. (*Complete Part III, Sections H, I, U, & V and submit to FRA*)
- 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 [or operational] characteristics of the existing rail line. (*Continue to Part III*)
- Temporary replacement of an essential rail facility if repairs are commenced immediately after the occurrence of a natural disaster or catastrophic failure. (*Continue to Part III*)
- Changes in plans for a proposal for which an environmental document has been prepared, where the changes would not alter the environmental impacts of the action. (*Continue to Part III describing the full consequences of the changes only*)
- 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) (*Continue to Part III*)
- 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. (*Continue to Part III*)
- 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. (*Continue to Part III*)
- 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. (*Continue to Part III*)
- Environmental remediation through improvements to existing and former railroad track, infrastructure, stations and facilities, for the purpose of preventing or correcting environmental pollution of soil, air or water. (*Continue to Part III*)
- Replacement, reconstruction, or rehabilitation of an existing railroad bridge, including replacement with a culvert, that does not require the acquisition of a significant amount of right-of-way. (*Continue to Part III*)

**III. PROPOSAL INFORMATION FOR CATEGORICAL EXCLUSIONS**

Complete Part III unless indicated otherwise in Part II and submit to FRA.

For work to fixed facilities, maps displaying the following, as applicable, are required to be attached for FRA review:

- Proposal vicinity
- Proposal Site Plan indicating the USGS Quadrangle and Section
- Other Information as necessary to complete Part III

**A. Describe how the proposal satisfies the purpose and need identified in Part I:**

Project constructs/installs new CTC signal componentry in place of the existing control point signal equipment in conjunction with the recently completed switch replacement project. By installing this new

CTC signal equipment, both passenger and freight trains moving north and south on Main 2 will be able to do so at 60 MPH as apposed to the currently restricted speed of 25 MPH relative to the reversed switch configuration. As for movements on Main 1, these movements will be able to commence at 45 MPH as apposed to the current restricted speed of 45 MPH, again due to the reversed turnout configuration and signaling equipment.

This project will enhance community quality of life by supporting more efficient passenger and freight operations through Ardmore.

This project increases the reliability and consistency of both passenger and freight service by lifting speed restrictions due to the track turnout configuration and existing signal equipment limitations.

- B. Location & Land Use:** *For fixed facilities, attach a map or diagram, at an appropriate scale, identifying the location of the proposal site and if applicable, the surrounding land uses and zoning of the site and surrounding properties. If the proposal would require many pages of maps or diagrams, include only a location map and contact FRA to determine if additional information is required. A map or diagram that identifies locations of critical resource areas, wetlands, potential historic sites, or sensitive noise receptors such as schools, hospitals, and residences should be included if there is the potential for impacts to these resources.*

*Briefly describe the existing land use of the proposal site and surrounding properties and resources.*

The proposed improvements are minimal and non-impactful in nature and will be performed within existing BNSF Right of Way, resulting in no measurable environmental impact.

- C. Historic Resources:** *If any cultural, historic, or archaeological resources are located in the immediate vicinity of the proposal, check and describe the resource(s) and then describe any potential effect of the proposal on the resource(s). Consultation with the SHPO is necessary when these resources are potentially affected.*

Cultural: Review shows no cultural resource impact

Historical: Review shows no historical impact

Archaeological: Review shows no archaeological resource impact

*Has consultation with the State Historic Preservation Officer occurred? If so, describe and attach relevant correspondence.*

Consultation with SHPO:

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

No public outreach has been performed as the project is not expected to have an effect (adverse or otherwise) on surrounding communities

*Indicate prominent concerns expressed by agencies or the public regarding the proposal, if any.*

- E. Transportation:** *Would the proposal have a detrimental effect on other railway operations or impact road traffic, or increase demand for parking?*  
 No (continue)     Yes, describe potential transportation, traffic, and parking impacts, and address capacity constraints and potential impacts to existing railroad and highway operations. Include maps or

diagrams indicating any impacts and any proposed modifications to existing railways or roadways or parking facilities. Also, summarize any consultation that has occurred with other railroads or highway authorities whose operations this project will impact.

Project will not have a detrimental effect on other railway operations and should reduce impact to road traffic by reducing wait times at grade crossings within the project limits.

**F. Noise and Vibration: Are permanent noise or vibration impacts likely?**

No (continue)  Yes, describe how the proposal will involve noise impacts. If the proposal will result in a change in noise sources (number or speed of trains, stationary sources, etc.) and sensitive receptors (residences, hospitals, schools, parks, etc.) are present, apply screening distances for noise and vibration assessment found in FRA noise impact assessment guidance manual (and FTA's manual as needed) and compare proposal location with nearest receptor(s). If the screening distance is not achieved, attach a "General Noise and/or Vibration Assessment."

Noise  Vibration

Project is not expected to have an impact on current noise and vibration levels.

*As a result of the general assessment(s) are there noise or vibration impacts?*

No (continue)  Yes (Describe and provide map identifying sensitive receptors):

**G. Air Quality: Does the proposal have the potential to 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 (continue)  Yes, attach an emissions analysis for General Conformity regarding Carbon Monoxide (CO), Ozone (O<sub>3</sub>), Particulate Matter (PM<sub>10</sub>), Nitrous Oxides (NO<sub>x</sub>), and Carbon Dioxide (CO<sub>2</sub>), and include a hot spot analysis if indicated. Describe any substantial impacts from the proposal.

The project does not increase the number of trains but rather allows passenger and freight trains to transition across the subdivision more quickly and with fewer delays.

*Is the proposal located in a Non-Attainment or Maintenance area?*

No (continue)  Yes, for which of the following pollutants:

Carbon Monoxide (CO)  Ozone (O<sub>3</sub>)  Particulate Matter (PM<sub>10</sub>)

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

No (continue)  Yes, describe use and measures that will mitigate any potential for release and contamination.

Project will not involve hazardous materials.

**I. Hazardous Waste: If the proposal site is in a developed area or was previously developed or used for industrial or agricultural production, is it likely that hazardous materials will be encountered by undertaking the proposal? (Prior to acquiring land or a facility with FRA funds, FRA must be consulted regarding the potential presence of hazardous materials)**

No, explain why not and describe the steps taken to determine that hazardous materials are not present on the proposal site and then continue to question I.

Scope of work is superficial to railroad right-of-way. To our knowledge, hazardous waste has not been encountered during normal railroad maintenance.

Yes, complete a Phase I site assessment and attach.

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

No (continue)  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 proposal.

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

No (continue)  Yes, indicate whether the acquisition will result in relocation of businesses or individuals. **Note:** *To ensure eligibility for Federal participation, grantees may not acquire property with either local matching or Federal funds prior to completing the NEPA process and receiving written FRA concurrence in both the NEPA recommendation and property appraisals.*

All project activity and improvements would occur on existing railroad property.

**K. Community Disruption and Environmental Justice:** *Does the proposal present potentially disruptive impacts to adjacent communities?*

No (continue)  Yes, provide a socio-economic profile of the affected community. Indicate whether the proposal will have a disproportionately high and adverse effect on minority or low-income populations. Describe any potential adverse effects and any community resources likely to be impacted. Describe outreach efforts targeted specifically at minority or low-income populations.

The project as proposed will not result in disruptions to adjacent communities

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

No (continue)  Yes, show wetlands and waters on the site map and classification. Describe the proposal's potential impact to on-site and adjacent wetlands and waters and attach any coordination with the State and US Army Corps of Engineers.

Field review indicates no wetlands or any other waterways that have a possibility of impact.

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

No (continue)  Yes, describe the potential for impacts due to changes in floodplain capacity or water flow, if any. If impacts are likely, attach scale maps describing potential impacts and describe any coordination with regulatory entities.

The proposed project is not located within a floodplain and does not involve changes in the existing pattern of water runoff

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

No (continue)  Yes, describe water resource and the potential for impact from the proposal, and any coordination with regulatory entities.

There will be no impacts to any water quality.

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

No (continue)  Yes, describe potential for impact and any coordination with US Coast Guard.

There are no navigable waterways in the vicinity of the project.

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

No (continue)  Yes, describe coordination with the State regarding consistency with the coastal zone management plan and attach the State finding if available.

There are no coastal areas of any sort near the project.

**Q. Prime and Unique Farmlands:** *Does the proposal involve the use of any prime or unique*

farmlands?

No (continue)  Yes, describe potential for impact and any coordination with the Soil Conservation Service of the US Department of Agriculture.

The area in question is an active railroad right of way. It is not farmland and therefore cannot be prime or unique farmland.

**R. Ecologically Sensitive Areas And Endangered Species:** *Are any ecologically sensitive natural areas, designated wildlife or waterfowl refuges, or 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 proposal site?*

No (continue)  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.

A review of the area indicated no ecologically sensitive areas, endangered species, or endangered species habitat in the area.

**S. Safety And Security:** *Are there safety or security concerns about the proposal?*

No (continue)  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 proposal after its construction.

This project carries no safety or security risks.

**T. Construction Impacts:** *Are major construction period impacts likely?*

No (continue)  Yes, describe the construction plan and identify impacts due to construction noise, utility disruption, debris and spoil disposal, and address air and water quality impacts, safety and security issues, and disruptions of traffic and access to property and attach scale maps as necessary.

All work will be done under standard planned work windows and using all normal BNSF best management practices.

**U. Cumulative Impacts:** *Are cumulative impacts likely?*

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.

No (continue)  Yes, describe the reasonably foreseeable:

(a) Direct impacts, which are caused by the action and occur at the same time and place.

Any impacts from the project are positive impacts to air quality and human quality of life because of the relief in congestion around the project.

(b) Indirect impacts, which 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.

None.

**V. Related Federal, State, or Local Actions:** *Indicate whether the proposal requires any of the following actions (e.g., permits) by other Agencies and 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 can be described in the relevant resource discussion in sections B-S above.

- Section 106** *Historic and Culturally Significant Properties*
- Section 401/404** *Wetlands and Water*
- USCG 404** *Navigable Waterways*
- Executive Orders** *Wetlands, Floodplains, Environmental Justice*
- Clean Air Act** *Air Quality*
- Endangered Species Act** *Threatened and Endangered Biological Resources*
- Magnuson-Stevens Fishery Conservation and Management Act** *Essential Fish Habitat*
- Safe Drinking Water Act**
- Other State or Local Requirements** (Describe)

**X. Mitigation:** Describe mitigation measures which address identified impacts and have been incorporated into the proposal, if any.

No mitigation measures are prescribed considering the non-impactful nature of the proposed scope of work.