

**Railroad Grade Separation (ON SYSTEM)
Stage 0 Structural Site Survey**

DOT CROSSING NO. 763-060R
(generally a 6 digit number with a letter at the end)

RAILROAD OWNER NAME & ROADWAY(S) CROSSED BNSF and Apollo Rd (La 93)

ATTACHMENTS:

1. **Project Site Map:**
Provide a copy of the parish map with the DOT Crossing number and location shown along with any detour information. This will provide the reviewer with the proper information of the site location.
2. **General Plan Sheet:**
Provide a general layout of the existing at-grade Railroad Crossing if available.
3. **Photographs:**
In order to get a good general knowledge of the Railroad Crossing, photographs should be taken showing the following:
 - a. The DOT Crossing Number (Blue & white sign usually) and any existing warning signs or pavement markings for this Railroad Crossing.
 - b. Upstream & downstream railroad, railroad crossing, crossing signals or any unique features both toward the site and looking away. (This information will be used to determine constructability issues that need to be considered.)
 - c. Up station & down station along State Route centerline (project geometry)
 - d. For safety issues, individual accident reports or traffic issues of the Railroad Crossing to be addressed in the project along with the deficiency described. For capacity issues, queues or traffic counts or documented delays by train operations that the project will remedy along with the deficiency described.
 - e. Significant features, buildings, residences, businesses, environmental impacts, constructability issues, etc... (This will allow the proper determination of how to approach the project and what permits may be needed.)

PROPOSED ACTION:

Define the proposed action for the project. Why would a Grade Separation at this Railroad Crossing be beneficial? If this project is part of an Intermodal, Corridor, MPO or some other defined Plan, then please state which Plan it is included and how addressing it in this LA DOTD program is beneficial. Please provide a very detailed description of the work along with photographs.

In 2009, the Lafayette Metropolitan Planning Organization adopted a Freight Action Plan for the MPO area. Part of the plan involved identifying potential freight projects for the improved facilitation of freight movement. Building a Grade Separated Intersection for this crossing would support that objective from the plan. The plan also stresses the importance of the ongoing identification of freight specific projects, which this process also supports.

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GENERAL:

(Circle the appropriate response and explain as indicated)

Is there any safety concerns or accidents at this site?

(Y or N) If so, give the location In January of 2009, there was an accident with injury at this intersection.

Is there any congestion and/or types of delays at this site?

(Y or N) If so, give the location _____

Is there a vertical grade issue at the crossing site?

(Y or N) If so, explain _____ (Y or N)

Are there any additional Railroad Crossings within 0.5 mile of this Railroad Crossing that may be affected by the work being proposed on this Crossing?

(Y or N) If so, give the DOT Crossing number(s) No (Y or N)

Have any significant repairs or upgrades been done to the Railroad Crossing that will be reflected in the DOTD Railroad Inventory reports?

(Y or N or Unknown) If so, explain _____

What is the existing roadway pavement type?

(i.e. Asphalt, Concrete, Etc...) explain Asphalt

Are the existing shoulders along the route? If so are they paved or aggregate?

explain No

Any there any future plans for overlaying or widening the route, paving the shoulders or any other improvements around the existing Railroad Crossing (sidewalks, future development, etc...)?

(Y or N or Unknown) If so, explain _____

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Are there any existing pedestrian/bicycle facilities in the vicinity of this Railroad Crossing?
(Y or N) If so, explain No

Are there any existing Roadway problems or unusual circumstances at this site that need to be addressed under the new project?
(Y or N) If so, explain _____

Is there any significant use of this route for industrial or agriculture purposes that result in high truck volumes or high train volumes?
(Y or N) If so, explain High truck volumes have led to the classification of Apollo Rd as a locally designated truck route.

MAINTENANCE OF TRAFFIC:

Can the District support closing the road during construction? Is there an alternate state route available?
(Y or N) If so, please provide a map, an explanation of the alternate route and the approximate required mileage of the detour around the bridge site. This is very important to estimating the cost of the project. Please provide as much information as possible with respect to the detour.

If an onsite traffic diversion is provided, what side of the existing Railroad Crossing would best facilitate the diversion construction, what type of diversion do you recommend and what issues are present?
(Identify and explain) _____

Are there any railroad standards/requirements at this Railroad Crossing Site? If so, what type of requirements or agreements are the railroad companies asking for?
(Y or N or Unknown) If so, explain _____

CONSTRUCTABILITY:

Are there any obvious access issues that may affect the contractors' construction of the Railroad Crossing?
(Y or N) If so, explain _____

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Is the surrounding grade (RR and Rdwy) at the site sufficient to provide adequate clearance for this Railroad Grade Separated Crossing? Will this obstruct/limit railroad traffic or speed?

(Y or N or Unknown) If so, explain _____

Are there any obvious overhead obstructions that may impede pile driving operations? (Y or N) If so, explain There are aboveground power lines that cross adjacent to the crossing.

Are there any residences, businesses, or facilities in the area that may be affected by the noise and vibration from the pile driving operations?

(Y or N) If so, explain There is a concrete plant immediately adjacent to the crossing. There is a residential neighborhood along Delhomme Avenue, about a 0.25 mile from the crossing. Weatherford Completion Systems is business that is also less than a 0.25 mile from the crossing.

Are there any unique local issues that will have to be maintained during construction, relocated and/or reconstructed?

(Y or N) If so, explain _____

Are there any other construction related issues that will affect the constructability of the project that need to be accounted for in the construction estimate?

(Y or N) If so, explain _____

HYDRAULIC:

Are there any hydraulic structures that may be affected by the work being proposed on this structure?

(Y or N) If so, explain _____

Does the roadway have a history of overtopping along the floodplain in the vicinity of this Railroad Crossing? If so, what is the frequency?

(Y or N) If so, explain _____

Is there any evidence or history of debris build up at this site?

(Y or N) If so, explain _____

UTILITIES:

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Are there any utilities located within 100' from the centerline of the roadway or within 1000' of the Railroad Crossing centerline?

(Y or N or Unknown) If so, explain Yes, aboveground power lines along the road and the lines cross the railroad within 1000' of the crossing.

RIGHT OF WAY:

Are there any obvious right of way impacts, relocations or displacements required because of the proposed new bridge construction?

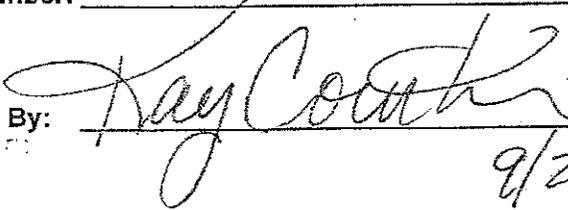
(Y or N) If so, explain _____

Are there any building structures or improvements that may be affected by the work being proposed on a structure at the existing Railroad Crossing?

(Y or N) If so, provide details _____

Prepared by: _____ Date: _____

Phone Number: _____

Approved By:  DOTD Program Manager

9/24/11