



**LA 302: BAYOU BARATARIA BRIDGE  
OPEN HOUSE PUBLIC MEETING  
August 5, 2021**



**STATE PROJECT NO. H.002264 / H.004420  
FEDERAL AID PROJECT H002264 / H004420  
LA 302: BAYOU BARATARIA BRIDGE REPLACEMENT  
JEFFERSON PARISH, LOUISIANA**

**Jean Lafitte Auditorium  
4953 City Park St.  
Lafitte, LA 70067  
August 5, 2021  
4:00 – 7:00 p.m.**

Thank you for attending this Open House Public Meeting for the proposed LA 302 Bayou Barataria Bridge. In this handout you will find information about the proposed project, including a preliminary project description, project location map (Figure 1), project layout maps (Figures 2,3,4,5), typical section drawing (Figure 6), bridge layout map (Figure 7) and typical section drawings of the Bridge and Operator's House (Figure 8). Also included is a comment form.

Project team members are stationed throughout the room to discuss the project and answer your questions. Please take this opportunity to discuss the project with team members. There will be no formal presentation. As you enter the room, you will see five stations:

**Station 1: Sign-in Table**

At this station, there are sign-in sheets for General Public, Elected and Other Officials, Agency Personnel, and News Media. Please sign in on the appropriate sheet.

**Station 2: Exhibits**

This station will consist of a series of maps that illustrate the potential limits of construction super-imposed over aerial photographs and several graphics of the typical design section that is proposed. The exhibit displays the entire proposed project in one large layout.

**Station 3: Continuous PowerPoint Presentation**

This short presentation will provide an overview of the proposed LA 302 Bayou Barataria Bridge. The presentation lasts approximately 10 minutes and will re-start automatically after a one-minute intermission.

**Station 4: Real Estate**

At this station, the DOTD Brochure explaining the Acquisition of Right of Way is available and a DOTD Real Estate representative is present to explain DOTD's right of way acquisition procedures.

## **Station 5: Comment Table**

At this station, comments can be made verbally or in writing. A tape recorder is available at this table for verbal comments. The last page of this handout is a comment form that you may use. Comments can be turned in during this meeting or mailed to the address on the back of the form. Additional comment forms are also available to be taken with you. **Please note that comments mailed after this meeting must be postmarked no later than August 19, 2021 to be included as part of the meeting transcript.**

In addition to the open house a **virtual public meeting** will be held exclusively online for fourteen (14) days from August 6th to August 20th and will allow participants to view a narrated multimedia presentation, project exhibits, and submit comments or questions.

The virtual public meeting can be accessed via the LADOTD Environmental Section webpage: [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Environmental/Pages/default.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Environmental/Pages/default.aspx) . Once on the webpage you will need to navigate to the H.002264 project folder. There will be a project information, continuous multi-media presentation and a comment/question submission link.

**The PowerPoint presentation and the exhibits shown tonight will be available on the LADOTD website at:**

[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Environmental/Pages/default.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Environmental/Pages/default.aspx)

Thank you for attending this meeting and for providing input.

## **PROJECT DESCRIPTION**

LADOTD and FHWA propose to replace Bayou Barataria Bridge (a.k.a Kerner Ferry Bridge). The existing bridge carries two lanes of LA 302 across Bayou Barataria joining LA 45 and LA 3257. The structure, built in 1948, is a steel low swing Warren Polygonal truss and has been determined eligible for the National Register of Historic Places (NRHP) under Criterion C for engineering.

The proposed bridge type is a moveable low-level swing span located at approximately 0.9 miles south of the existing bridge. Additional scope includes improvements to LA 45 to increase the elevation of the roadway approximately four feet to the same level of improved levees. The project also proposes to install turn lanes to provide fewer interruptions to through traffic flow when the bridge is open to marine traffic.

LA 302 and LA 45 are classified as rural major collector roads. LA 3257 is classified as a rural minor collector road. The estimated 2022 and 2042 Average Daily Traffic (ADT) for LA 302 is 1,500 vehicles per day (VPD) and 2,225 VPD, respectively. The estimated 2022 and 2042 ADT for

LA 45 is 1,875 and 2,800 VPD, respectively. The estimated 2022 and 2042 ADT for LA 3257 is 1,125 VPD and 1,675 VPD, respectively.

The proposed project would require additional right-of-way and servitude. One metal shed located on a substation believed to be owned by a gas pipeline company would be required to be relocated.

The project may be environmentally evaluated as a categorical exclusion or environmental assessment.

### **EXISTING CONDITION OF BRIDGE**

- The existing bridge has a low vertical navigational clearance of 5-7-feet in the closed position and a narrow horizontal clearance of 76-feet for bayou navigation.
- The bridge has seen frequent bridge and fender collisions due to design and vertical and horizontal clearance.
- The swing span truss has areas of corrosion and collision damage.
- The bridge has a load posted truck weight where a single unit truck should not exceed a total weight of 15 tons and a tractor trailer should not exceed 25 tons.
- The bridge is 24-foot wide from gutter to gutter whereas the current functional design criteria for this typical roadway classification is 32-foot.

### **PURPOSE AND NEED**

The current crossing provides the only vehicular access to and from the community of Barataria. Land-based traffic, during ordered coastal evacuations, is restricted during frequent openings for marine traffic and when the bridge is inoperable. The purpose of the project is to correct structural and functional deficiencies including improvement to the horizontal and vertical clearances of the LA 302 Bayou Barataria crossing and address the transportation needs for both land-based and marine traffic.

### **PROJECT HISTORY**

A mid-level bascule bridge replacement was originally environmentally processed in 2002 for which FHWA completed an Environmental Impact Statement (EIS) and Record of Decision (Figure 9). The Mid-level Bascule included similar improvements to LA 45 as the newly proposed swing span. To mitigate adverse effects to the historic bridge, Section 106 coordination of the National Historic Preservation Act (36 CFR 800) was carried out between FHWA, LADOTD, the Town of Jean Lafitte and the State Historic Preservation Officer (SHPO).

A Memorandum of Agreement (MOA) was signed in 2015. The Town of Jean Lafitte has plans to acquire the historic Kerner Ferry bridge truss and deck for use in the Town Park for recreational purposes as a bayou overlook.

## **BRIDGE CLEARANCE**

### **Existing Bridge**

- Horizontal navigational clearance 76'
- Vertical navigational clearance of 5' – 7' when bridge is open to vehicular traffic
- Essentially closed to marine traffic when closed because of its limited vertical clearance

### **Previously Approved Mid-Level Bascule**

- Horizontal navigational clearance 150'
- Vertical navigational clearance when closed 45'
- Approximately 90% of vessels can pass beneath when bridge is open to vehicular traffic

### **Newly Proposed Swing Span**

- Horizontal navigational clearance 85'
- Vertical navigational clearance when closed 20'
- Approximately 55% of vessels can pass beneath when bridge is open to vehicular traffic



Figure 1: Proposed project location (in red).





		<b>JEFFERSON</b> ENGINEER 2415-90, 826-39 AND 826-48 PROJECT: H 002254
PROJECT NO. SHEET NO. TOTAL SHEETS	DATE SCALE DRAWN BY CHECKED BY	PROJECT NO. SHEET NO. TOTAL SHEETS

EVANS-SRAVES ENGINEERS, INC. LA 302: BAYOU BARATARIA, MB REPLACEMENT

Figure 2: Proposed plan layout LA 45.





LEGEND			
	REQUIRED RIGHT OF WAY		CONSTRUCTION SERVITUDE
	EDGE OF PAVEMENT SHOULDER		LIMITS OF CONSTRUCTION
	PROJECTED AND ADOPTED CENTERLINE, EDGE OF PAVEMENT & PARKING LINES		REQUIRED WALKWAY
	EXISTING RIGHT OF WAY		BRIDGE
	DRIVEWAY		

DESIGNED BY	JEFFERSON	DATE	7/29/2021
CHECKED BY		PROJECT	LA 302: BAYOU BARATARIA MB REPLACEMENT
IN CHARGE		NO. OF SHEETS	4
DATE		BY	
REVISIONS TO DRAWING SHEET DESCRIPTIONS:			
NO.	DATE	BY	
EVANS-GRAVES ENGINEERS, INC.			

Figure 3: Proposed plan layout LA 45.





LEGEND			
	REQUIRED RIGHT OF WAY		CONSTRUCTION SERVITUDE
	EDGE OF PAVEMENT SHOULDER		LIMITS OF CONSTRUCTION
	PROJECTED AND ADOPTED CENTERLINE, EDGE OF PAVEMENT & PARKING LINES		REQUIRED WALKWAY
	EXISTING RIGHT OF WAY		BRIDGE
	DRIVEWAY		

		<b>JEFFERSON</b> ENGINEER COMPANY NO. 248-90, 826-39 AND 826-48 LICENSE NO. H.002264
PROJECT NO. DRAWING NO.	SHEET NO. OF	DATE
L.A. 302: BAYOU BARATARIA MB REPLACEMENT (LA 302 PROJECTED AND ADOPTED <math>\epsilon</math> OF BRIDGE)		
ENGINEERS, INC.		

Figure 4: Proposed plan layout LA 45 and bridge (LA 302).





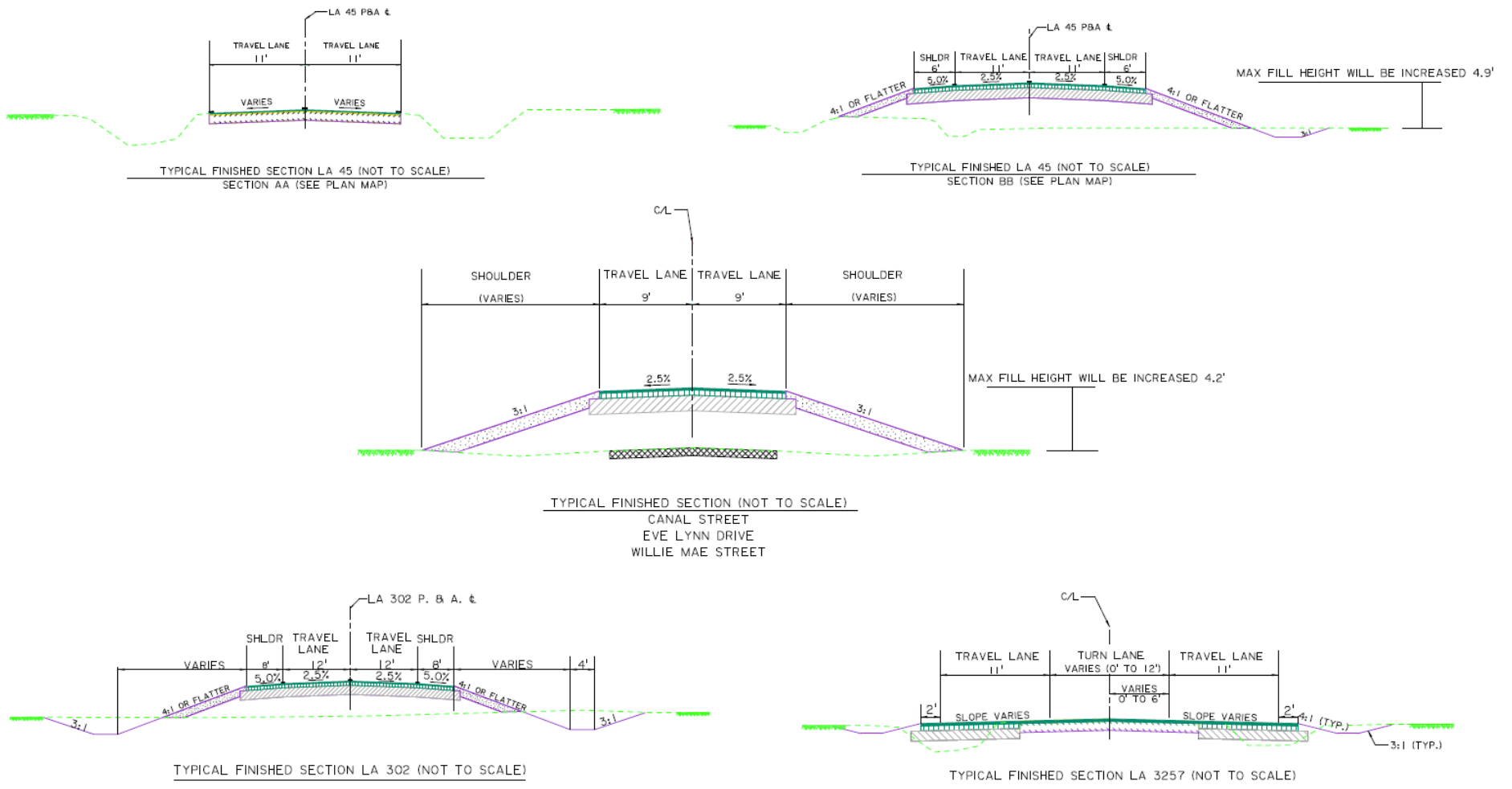
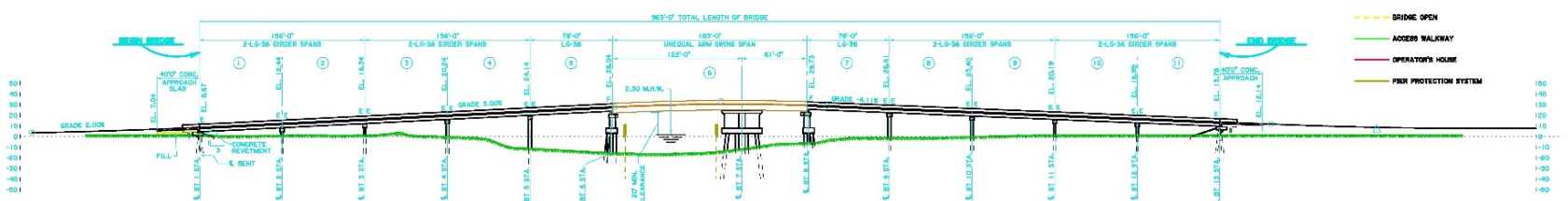


Figure 6: Roadway typical section drawings.

# BRIDGE PLAN AND PROFILE

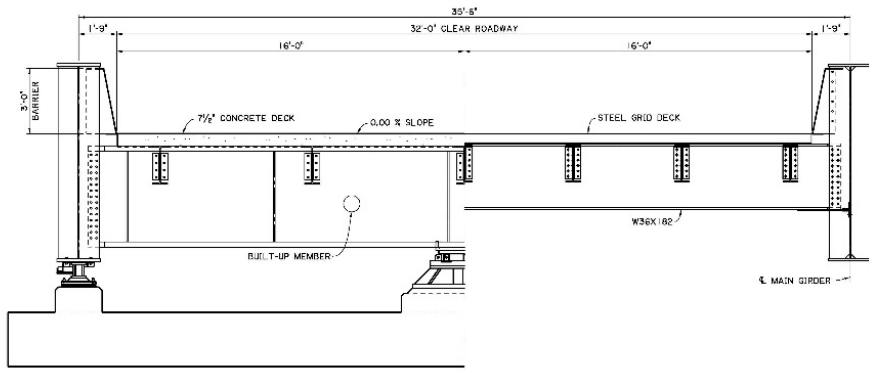


DESIGN NUMBER	7
PROJECT	JEFFERSON
DATE	249-90, 826-39 AND 826-48
PROJECT	H-002264
DESIGNED BY	
CHECKED BY	
DATE	
SCALE	
NO.	DATE
REVISIONS OR CHANGE ORDER DESCRIPTION	
BY	
<b>DOTD</b> BRIDGE AND STRUCTURAL DESIGN	
LA 302: BAYOU BARATARIA MB REPLACEMENT	

Figure 7: Proposed swing span bridge plan and profile.



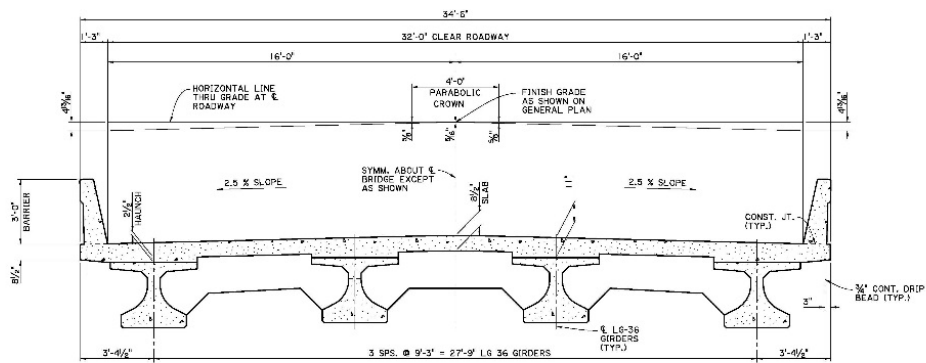
## BRIDGE TYPICAL SECTIONS



HALF SECTION AT SWING SPAN PIVOT

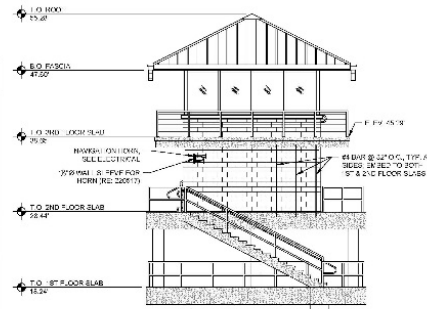
HALF SECTION AT SWING SPAN GRID DECK

SECTION VIEW  
(SCALE: 1/2" = 1'-0")

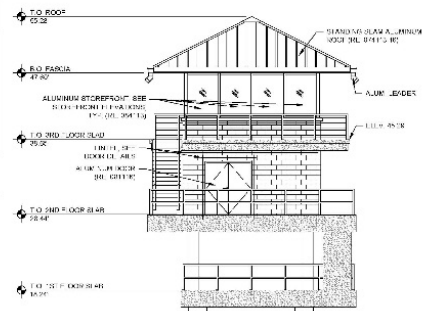


TYPICAL SECTION AT APPROACH SPANS  
(SCALE: 1/2" = 1'-0")

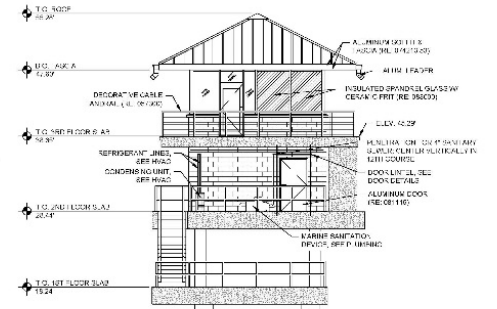
## BRIDGE OPERATOR'S HOUSE



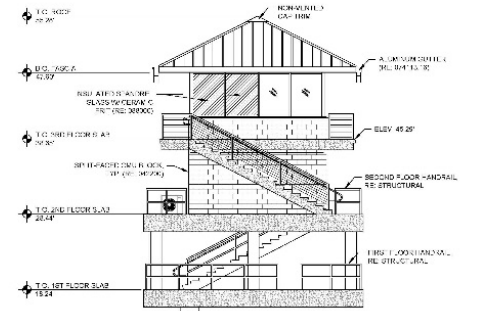
1 WEST ELEVATION  
3/16" = 1'-0"



3 NORTH ELEVATION  
3/16" = 1'-0"



2 SOUTH ELEVATION  
3/16" = 1'-0"



4 EAST ELEVATION  
3/16" = 1'-0"

Figure 8: Typical section drawings bridge and operator's house.



Figure 9: 2002 Mid-level bascul bridge footprint.

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Louisiana Department of Transportation and  
Development  
Environmental Engineering Administrator, Sec. 28  
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Baton Rouge, LA 70804-9245