

## Report to Congress for Future Water Resources Development (WRRDA 7001) Submission Package

Proposal Name: 25 to 40 miles of Standardized Monorail USACE SM17

Submission Date: 08/09/2017

Proposal ID Number: a14818e4-0966-476c-8f2e-e80535c228dd

Purpose of Proposal: See Video on SM17 Emergency Flooding Monorail Transit, Transit Transportation that connects from a 200 plus acre fabrication, storage and switching yard to: the Airport, Downtown, NFL Super Dome, Basketball Stadium, Amtrak Station, Downtown, river front Streetcars, points of interest and areas of flooding. With global warming the antartic is shedding its icebergs one that's larger than the state of Delaware, rising oceans and Hurricanes necessitate additional safeguards for human life. With the USACE SM17 there are substantial cost savings bringing the cost per mile to 1/10 th the cost per mile of subways. These cost reductions are listed in the DVD under Legal Best Practices. (LBP 1 through 15.) There are new and emerging monorail companies and many large projects in Asia as in China, India, Japan and Malaysia. The area required for fabrication of concrete beams, vertical support columns, monorail cars and modular 12 ft x 45 ft Monorail loading stations might be 400 to 800 acres, requiring good rail spurs and preferred River Barge access. Of the many improvements with SM17 some offer new challenges the biggest technical challenge being the hybrid drive system with brushless hub Drive motors on the monorail beam. This eliminates the expensive and dangerous bus bars. The hybrid drive system sends power to the controller which disperses the power to the brushless hub motors. This concept was developed by the British Frazier Nash Company. In addition the modern remote controlled Drones with 4 or 6 propellers have very refined systems applicable to long multi-car monorail trains. If USACE needs the original German plans let me know but be wary a lot of components are: not needed and expensive. To date most engineers are blindly intimidated by these blueprints that date back to the post Nazi era. The big exception was Bob Gurr of the Walt Disney Company who used simplified curb side stations, single line alignments and small columns.

*1. Administrative Details*

**Proposal Name: 25 to 40 miles of Standardized Monorail USACE SM17**

**by Agency: City of New Orleans**

**Locations: LA**

**Date Submitted: 08/09/2017**

**Confirmation Number: a14818e4-0966-476c-8f2e-e80535c228dd**

*Supporting Documents*

<b>File Name</b>	<b>Date Uploaded</b>
Map Pages from WRRDA7001- Monorail.pdf	08/09/2017
WRRDA7001- Monorail.pdf	08/09/2017
FW- Official Filing of WRRDA7001 for USACE SM17 Monorail.pdf	08/09/2017

**2. Provide the name of the primary sponsor and all non-Federal interests that have contributed or are expected to contribute toward the non-Federal share of the proposed feasibility study or modification.**

<b>Sponsor</b>	<b>Letter of Support</b>
US Dept of Transportation(Primary)	None provided
City of New Orleans	None provided
State of Louisiana	None provided
City of Baton Rouge	None provided

**3. State if this proposal is for a feasibility study, a modification to an authorized USACE feasibility study or a modification to an authorized USACE project. If it is a proposal for a modification, provide the authorized water resources development feasibility study or project name.**

[x] Modification to an Authorized USACE Project : No information provided

***4. Clearly articulate the specific project purpose(s) of the proposed study or modification. Demonstrate that the proposal is related to USACE mission and authorities and specifically address why additional or new authorization is needed.***

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5. To the extent practicable, provide an estimate of the total cost, and the Federal and non-Federal share of those costs, of the proposed study and, separately, an estimate of the cost of construction or modification.

	Federal	Non-Federal	Total
<b>Study</b>	\$0	\$0	\$0
<b>Construction</b>	\$3,600,000,000	\$0	\$3,600,000,000

**Explanation (if necessary)**

6e low cost 25 miles of monorail x \$40m/mile = \$1,000,000,000 minimum  
 6f high cost 25 miles of monorail x \$141m/mile = \$3,525,000,000 maximum  
 6g low cost 40 miles of monorail x \$40m/mile = \$1,600,000,000 minimum  
 6h high cost 40 miles of monorail x \$141m/mile = \$5,640,000,000 maximum  
 Estimated Nonfederal Construction or Modification Cost Unknown at this time  
 Total Construction cost Estimate 25 miles x \$90 m per mile avg. = \$2,250,000,000  
 40 miles x \$90m per mile avg = \$3,600,000,000

*6. To the extent practicable, describe the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.*

No description provided

7. *Does local support exist? If 'Yes', describe the local support for the proposal.*

No

8. *Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?*

Yes

# Map Document

(This is as uploaded, a blank page will show if nothing was submitted)

**Map Pages from WRRDA7001- Monorail.pdf**

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**5. MAPS in PDF Format below:** New Orleans and Baton Rouge Google Earth maps

**6. Estimate of total costs. Federal and Non Federal share of those costs. (see 6e thru 6h)**

**6a. Estimated Federal Cost Study ... Unknown at this time**

**6b. Estimated Non-Federal Cost Study Unknown at this time**

**6d. Total study cost estimate: ... . Unknown at this time**

**Estimated Federal Construction or Modification Cost:**

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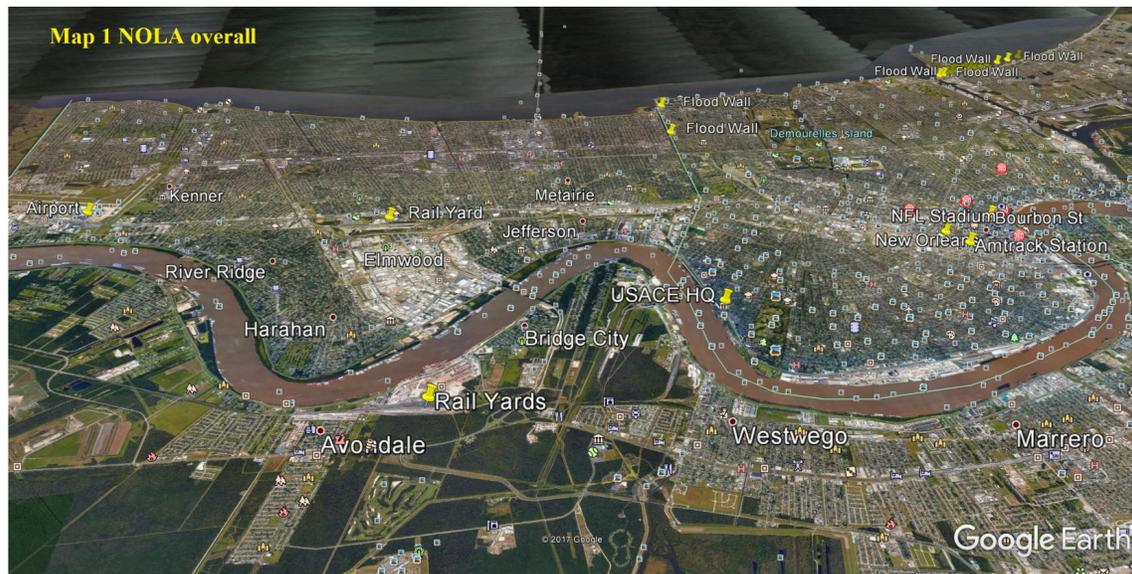
**Explanation if necessary 2000 Characters Max**

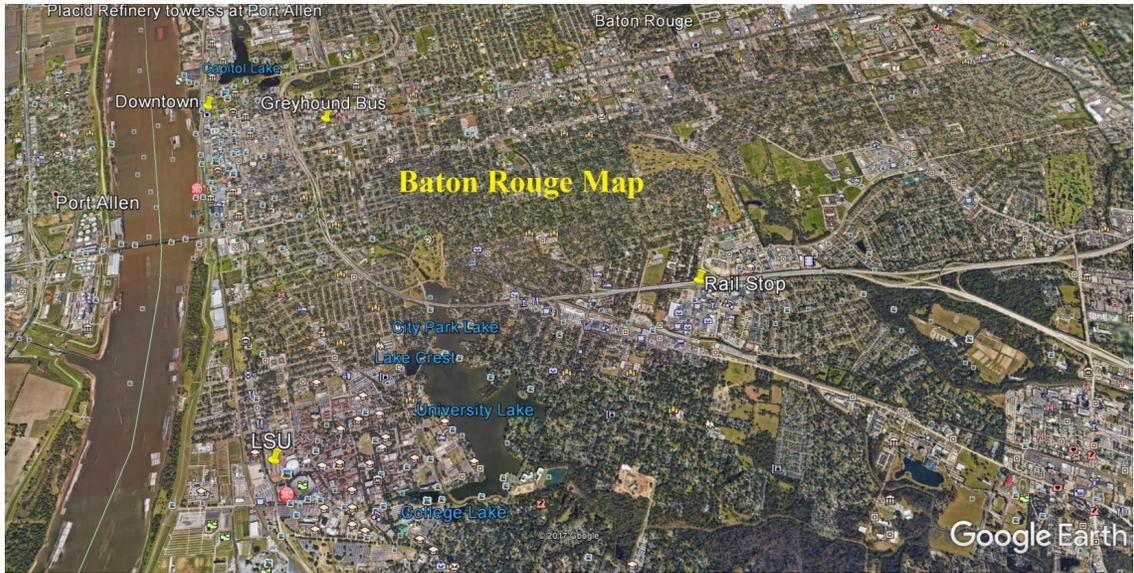
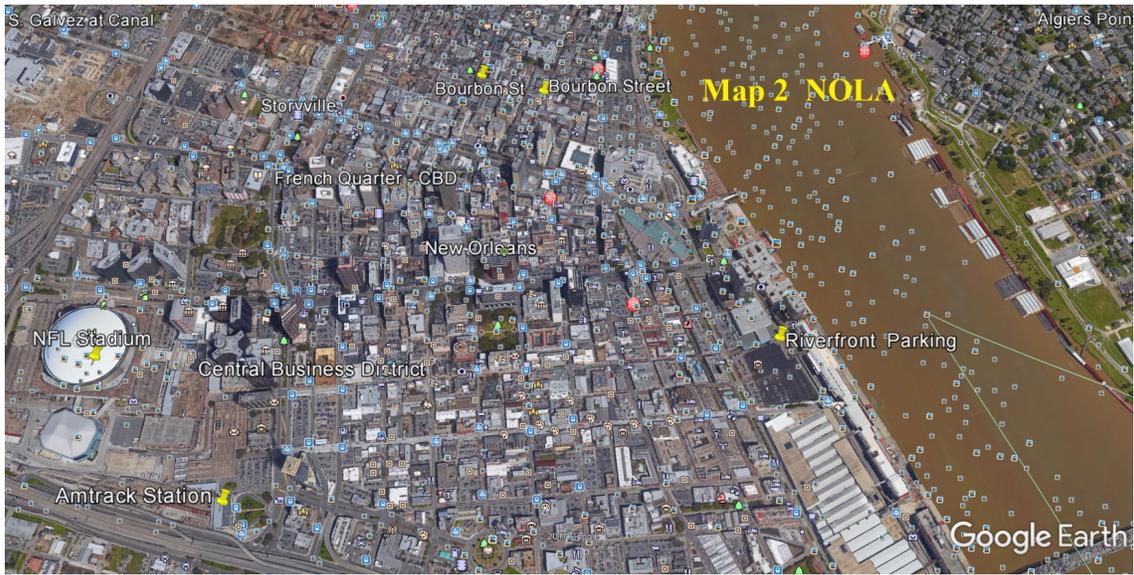
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**10. Upload additional proposal documents.**

**11. Email all files to:[WRRDA7001Proposal@usace.army.mil](mailto:WRRDA7001Proposal@usace.army.mil) with the name of your proposal.**





# Additional Proposal Information

(This is as uploaded, a blank page will show if nothing was submitted)

**WRRDA7001- Monorail.pdf**

**USACE WRRDA7001 Proposals for SM17 Monorail Send Prior to August 7,2017 to:**

**Lisa Kiefel**

**Planning and Policy Division ( CECW-PB)**

**Headquarters, USACE 441 G Street. NW**

**Washington, DC. 20314**

**1. Name of the proposal 200 Character Maximum.**

25 to 40 miles of Standardized Monorail USACE SM17  
for New Orleans and possibly Baton Rouge for Transit and  
Emergency Flood rescue.

**List Agency name preparing ( submitting) the proposal.**

City of New Orleans,

**POC Name:** Ashley Champagne Assistant to ACAO City of Baton Rouge

Mitch Landrieu Mayor City of New Orleans

Gerald Chernick Facilitator

**POC Phone:** New Orleans 504 658-4900, Baton Rouge 225 389-3100 , Los Angeles 213 590-0470

**POC Email:** New Orleans Mayor [mayor@nola.gov](mailto:mayor@nola.gov) Baton Rouge [ACHAMPAGNE@brgov.com](mailto:ACHAMPAGNE@brgov.com)  
Los Angeles [SEATTLE@dslextreme.com](mailto:SEATTLE@dslextreme.com)

**Applicable States:** Louisiana

**2. Name of Sponsor and non-Federal Interests**

**and Statement of Support.** US Dept of Transportation, State of Louisiana  
City of New Orleans and City of Baton Rouge

**3. Modification to an Authorized USACE Feasibility Study NO**

**Modification to an Authorized USACE Project. NO**

**4. Project purpose how it relates to USACE mission : 2000 character maximum.**

See Video on SM17

Emergency Flooding Monorail Transit, Transit Transportation

that connects from a 200 plus acre fabrication, storage and switching yard to:

the Airport, Downtown, NFL Super Dome, Basketball Stadium, Amtrak Station ,  
Downtown, river front Streetcars, points of interest and areas of flooding.

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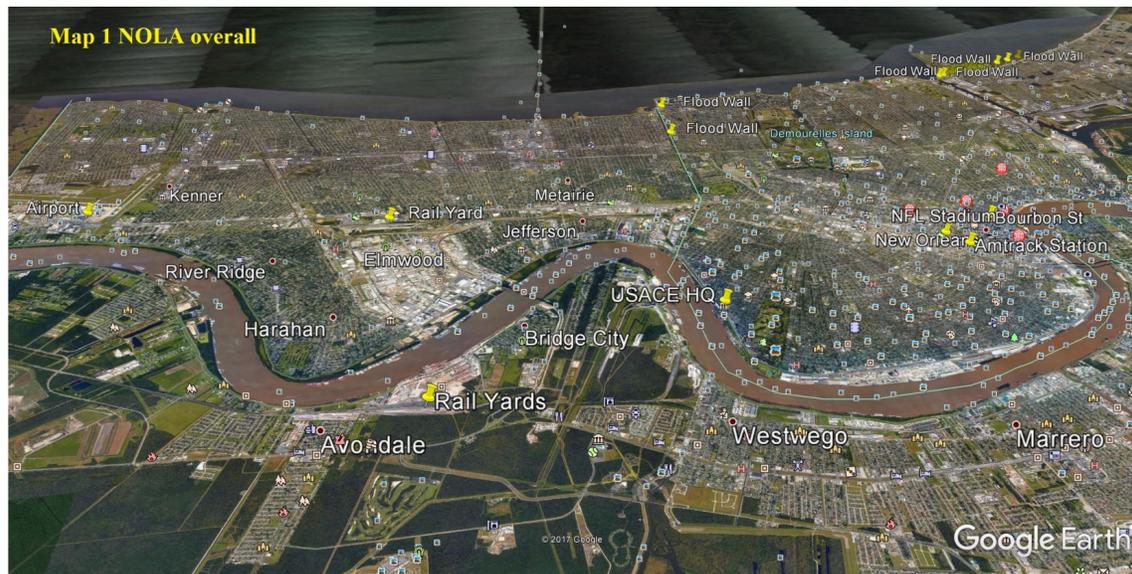
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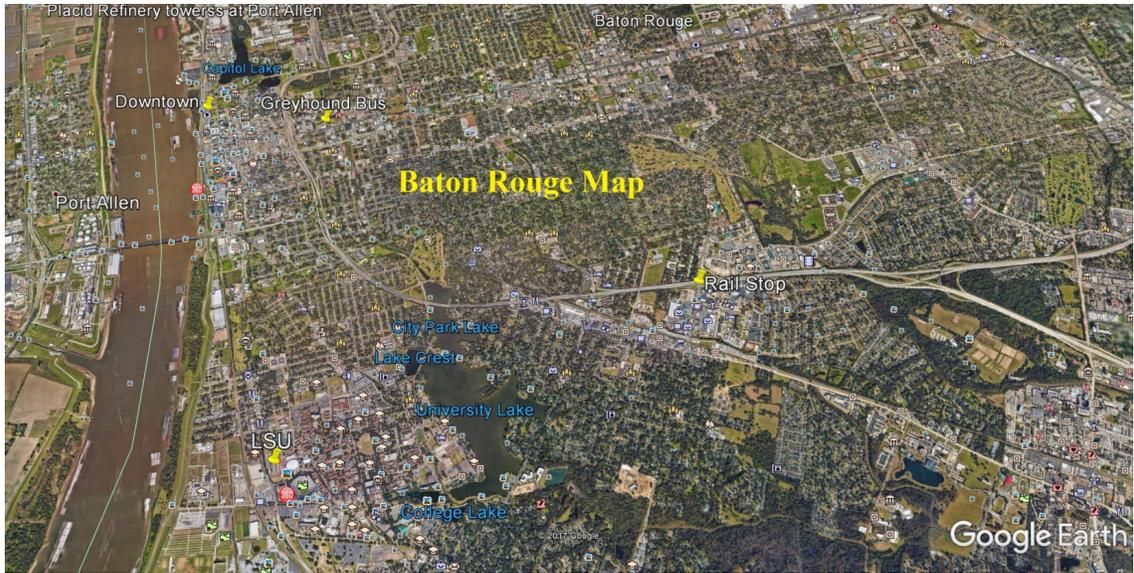
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# Primary Sponsor Letter of Support

(As uploaded)

**FW\_ Official Filing of WRRDA7001 for USACE SM17  
Monorail.pdf**

-----Original Message-----

From: Gerald Chernick [<mailto:seattle@dslextreme.com>]

Sent: Thursday, July 27, 2017 10:32 PM

To: Kiefel, Lisa D CIV (US) <Lisa.D.Kiefel@usace.army.mil>

Subject: [Non-DoD Source] Official Filing of WRRDA7001 for USACE SM17 Monorail

To Lisa Kiefel

Planning and Policy Division ( CECW - PB)

Headquarters, USACE

441 G St. NW

Washington, DC. 20314

Dear Lisa Kiefel,

This is the start of the WRRDA7001 filings.

The contact phone numbers and email addresses are listed within  
under POC.

they are for Baton Rouge and New Orleans.

Please let me know if you have any questions.

Thank you, Gerald Chernick Facilitator