Enclosure 1, ?
Enclosure 2

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 18-Sep-2008

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Mobile District, SAM-2008-01166-KMN-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State :	MS - Mississippi
County/parish/borough:	Jackson
City:	Gautier
Lat:	30.3638888888889
Long:	-88.6504027777778
Universal Transverse Mercator:	[ ]
Name of nearest waterbody:	Tarpon Lake Bayou
Name of nearest Traditional Navigable Water (TNW):	Pascagoula Bay/Mississippi Sound
Name of watershed or Hydrologic Unit Code (HUC):	3170009

☑ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc¿) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

☑ Office Determination Date: 15-Sep-2008

☐ Field Determination Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There [ ] "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There [ ] "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area:[1]

Water Name	Water Type(s) Present
Wetlands Adjacent to Tarpon Lake Bayou	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

b. Identify (estimate) size of waters of the U.S. in the review area:

Area: (m^2)

Linear: (m)

c. Limits (boundaries) of jurisdiction:

based on: [ ]

OHWM Elevation: (if known)

2. Non-regulated waters/wetlands:[3]

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1.TNW

Not Applicable.

2. Wetland Adjacent to TNW
Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:
Watershed size: [ ]
Drainage area: [ ]
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics
(a) Relationship with TNW:

___ Tributary flows directly into TNW.

___ Tributary flows through [ ] tributaries before entering TNW.

:Number of tributaries

Project waters are [ ] river miles from TNW.
Project waters are [ ] river miles from RPW.
Project Waters are [ ] aerial (straight) miles from TNW.
Project waters are [ ] aerial(straight) miles from RPW.

___

Project waters cross or serve as state boundaries.
Explain:
Identify flow route to TNW:[5]

Tributary Stream Order, if known:
Not Applicable.

(b) General Tributary Characteristics:
Tributary is:
Not Applicable.

Tributary properties with respect to top of bank (estimate):

Not Applicable.

Primary tributary substrate composition:
Not Applicable.

Tributary (conditions, stability, presence, geometry, gradient):
Not Applicable.

(c) Flow:
Not Applicable.

Surface Flow is:
Not Applicable.

Subsurface Flow:
Not Applicable.

Tributary has:
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Not Applicable.

Mean High Water Mark indicated by:
Not Applicable.

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality;general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:
(a) General Wetland Characteristics:
Properties:

Wetland Name	Size (Acres)	Wetland Type	Wetland Quality	Cross or Serve as State Boundaries. Explain
Wetlands Adjacent to Tarpon Lake Bayou	.04	Tidal Marsh	High	-

(b) General Flow Relationship with Non-TNW:
Flow is:

Wetland Name	Flow	Explain
Wetlands Adjacent to Tarpon Lake Bayou	Perennial flow.	-

Surface flow is:

Wetland Name	Flow	Characteristics
Wetlands Adjacent to Tarpon Lake Bayou	Overland sheetflow	Tarpon Lake Bayou is a tributary located through a tidal marsh system at the area of the proposed project. It receives flow from upstream systems including lakes and wetlands. It receives flow from the tidal inundation from the downstream systems.

Subsurface flow:

Wetland Name	Subsurface Flow	Explain Findings	Dye (or other) Test
Wetlands Adjacent to Tarpon Lake Bayou	-	-	-

(c) Wetland Adjacency Determination with Non-TNW:

Wetland Name	Directly Abutting	Discrete Wetland Hydrologic Connection	Ecological Connection	Separated by Berm/Barrier
Wetlands Adjacent to Tarpon Lake Bayou	Yes	-	-	-

(d) Proximity (Relationship) to TNW:

Wetland Name	River Miles From TNW	Aerial Miles From TNW	Flow Direction	Within Floodplain
Wetlands Adjacent to Tarpon Lake Bayou	1 (or less)	1 (or less)	Wetland to/from navigable waters	2-year or less

(ii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Wetland Name	Explain	Identify specific pollutants, if known
Wetlands Adjacent to Tarpon Lake Bayou	-	-

(iii) Biological Characteristics. Wetland supports:

Wetland Name	Riparian Buffer	Characteristics	Vegetation	Explain
Wetlands Adjacent to Tarpon Lake Bayou	X	Approximately 40 feet of tidal marsh on both sides of the tributary.	-	-

3. Characteristics of all wetlands adjacent to the tributary (if any):
All wetlands being considered in the cumulative analysis:
Not Applicable.

Summarize overall biological, chemical and physical functions being performed:
Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs:[8]

Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

Wetland Name	Flow	Explain
Wetlands Adjacent to Tarpon Lake Bayou	PERENNIAL	Tarpon Lake Bayou is a tributary located through a tidal marsh system at the area of the proposed project. It receives flow from upstream systems including lakes and wetlands. It receives flow from the tidal inundation from the downstream systems.

Provide acreage estimates for jurisdictional wetlands in the review area:

Wetland Name	Type	Size (Linear) (m)	Size (Area) (m^2)
Wetlands Adjacent to Tarpon Lake Bayou	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	154.96227072
Total:		**0**	**154.96227072**

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:
Not Applicable.

7. Impoundments of jurisdictional waters:[9]
Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS:[10]
Not Applicable.

Identify water body and summarize rationale supporting determination:
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

F. NON-JURISDICTIONAL WATERS. INCLUDING WETLANDS

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:

Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based soley on the "Migratory Bird Rule" (MBR):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):

Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (ie., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:
Not Applicable.

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.
Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD
(listed items shall be included in case file and, where checked and requested, appropriately reference below):

Data Reviewed	Source Label	Source Description
--Maps, plans, plots or plat submitted by or on behalf of the	Batson&Brown, INC	Site Location Map, Plan & Profile

applicant/consultant		Drawings
--U.S. Geological Survey map(s).	USGS TOPOs/TerraServer	USGS TOPOs 1970 and 1982
--USDA Natural Resources Conservation Service Soil Survey.	USDA NRCS	Web Soil Survey 2.0
--Photographs	-	-
----Aerial	TerraServer	-
----Aerial	Google	-
----Other	DMR	Site photos taken by Ron Cole/DMR on 12AUG08

B. ADDITIONAL COMMENTS TO SUPPORT JD:
Not Applicable.

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[1]-Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2]-For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3]-Supporting documentation is presented in Section III.F.
[4]-Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
[5]-Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
[6]-A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7]-Ibid.
[8]-See Footnote #3.
[9] -To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
[10]-Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

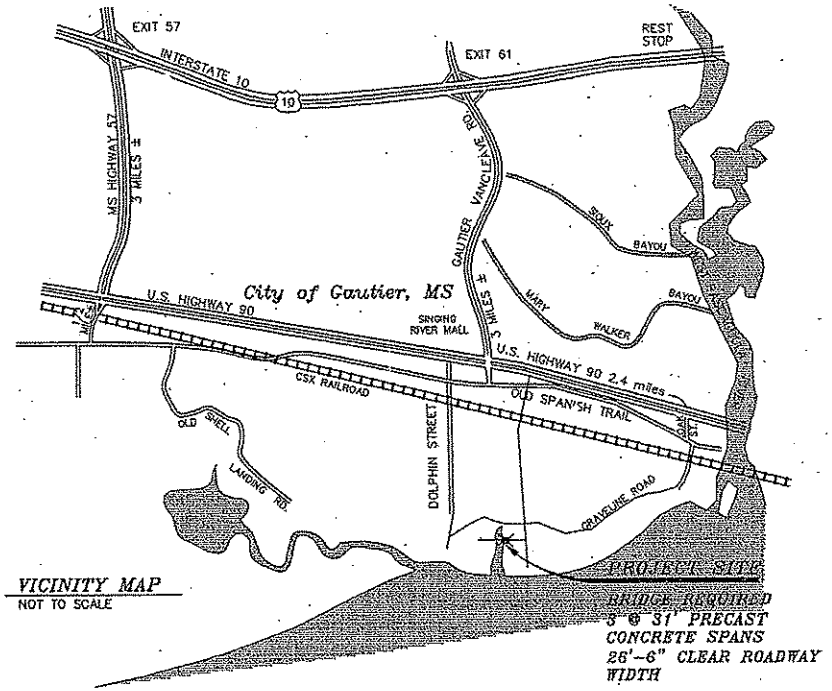
JACKSON COUNTY
BOARD OF SUPERVISORS
COUNTY BRIDGE REPLACEMENT
ROBERT HIRAM DRIVE
(COUNTY BRIDGE NO. C-)
SECTION 11, TOWNSHIP 8 SOUTH, RANGE 7 WEST

INDEX

FOR INDEX SEE SHEET NO. 2

LENGTH DATA

LENGTH OF BRIDGES	92.95 FT.	0.017 MI.
LENGTH OF PROJECT (NET)	650.0 FT.	0.123 MI.
LENGTH OF EXCEPTIONS		0 MI.
LENGTH OF PROJECT (GROSS)		0.123 MI.



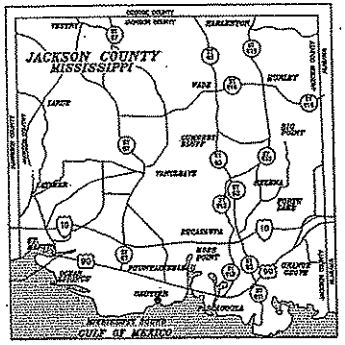
VICINITY MAP
NOT TO SCALE

FROM I-10 EXIT 61 TAKE GAUTIERVANCLIEVE ROAD SOUTH 3.6 MILES TO OLD SPANISH TRAIL

TURN LEFT ONTO OLD SPANISH TRAIL AND GO 0.3 MILE TO LADNIER ROAD

TURN RIGHT ONTO LADNIER ROAD AND GO 1.7 MILES TO ROBERT HIRAM DRIVE

TURN RIGHT INTO ROBERT HIRAM DRIVE AND GO 0.3 MILE TO CULVERT



●—INDICATES APPROXIMATE LOCATION

BOARD OF SUPERVISORS

MANLY BARTON	-	DISTRICT 1
MELTON HARRIS	-	DISTRICT 2
MIKE MANGUM	-	DISTRICT 3
TOMMY BRODNAX	-	DISTRICT 4
JOHN MCKAY	-	DISTRICT 5

COUNTY ROAD MANAGER

JOE O'NEAL - ROAD MANAGER

Bob Damron 6/5/08
PRINCIPAL ENGINEER DATE

Project No.	45089-CVR	Drawn By:	BETH
Date	03/17/08	Checked By:	ARON
Scale	NTS	Approved:	

STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION CURRENTLY APPROVED BY THE OFFICE OF STATE AID ROAD CONSTRUCTION OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION ARE MADE A PART HEREOF FULLY AND COMPLETELY AS IF ATTACHED HERETO, EXCEPT WHERE SUPERSEDED BY THE SPECIAL PROVISIONS, OR AMENDED BY REVISIONS.

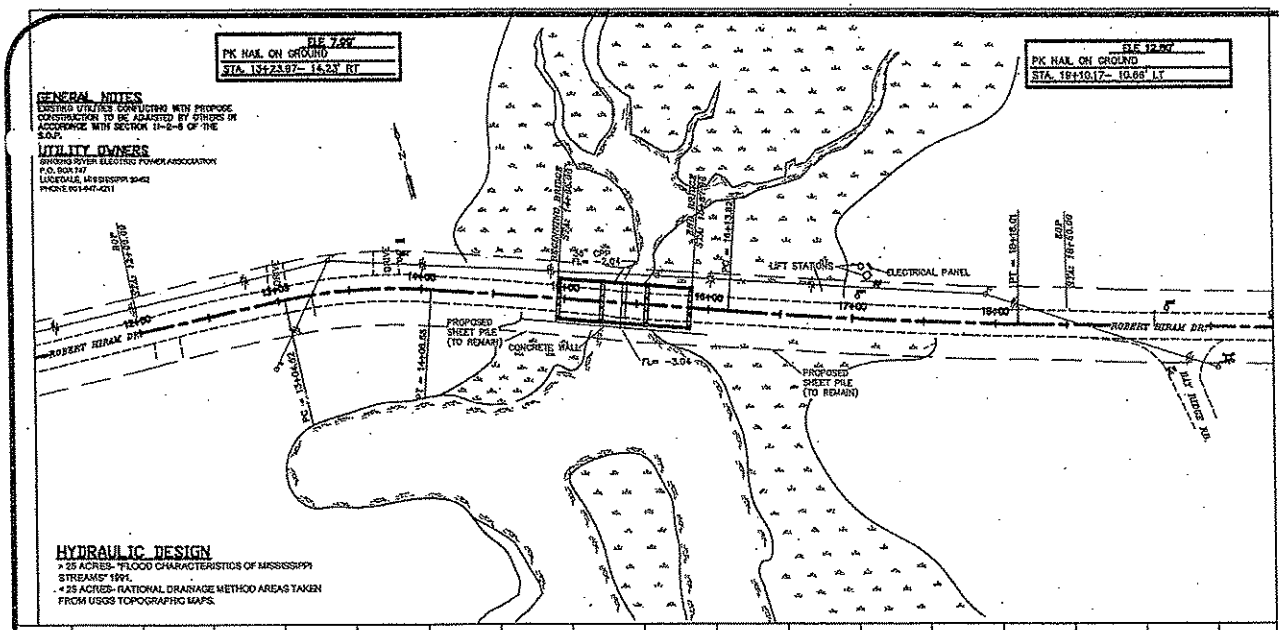
BATSON & BROWN, INC.
CONSULTING ENGINEERS
4347 OLD SPANISH TRAIL
GAUTIER, MISSISSIPPI 39553
PHONE: (228) 522-6353 FAX: (228) 522-6403

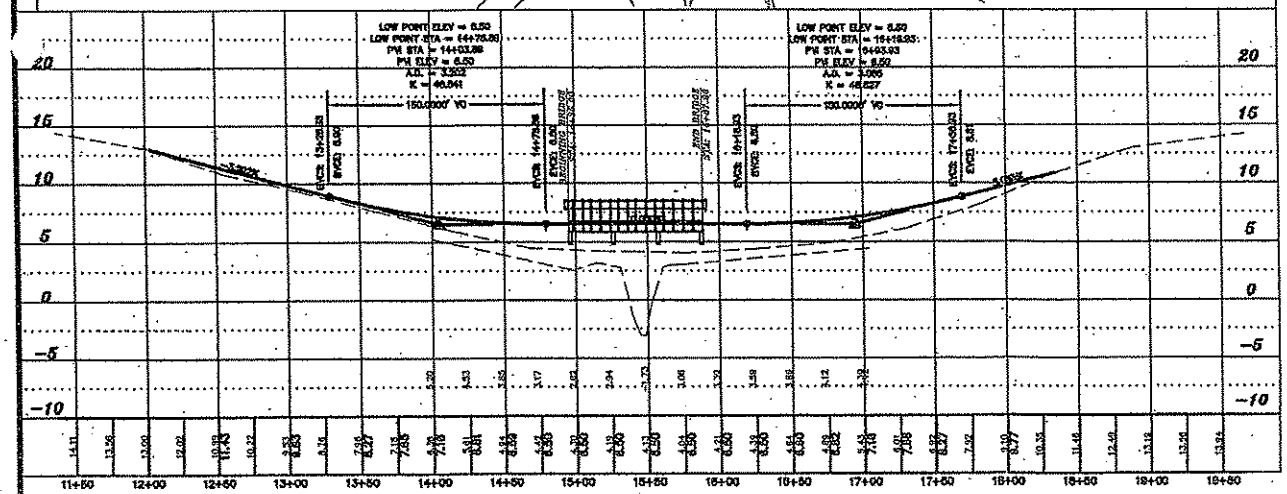
SHEET 1

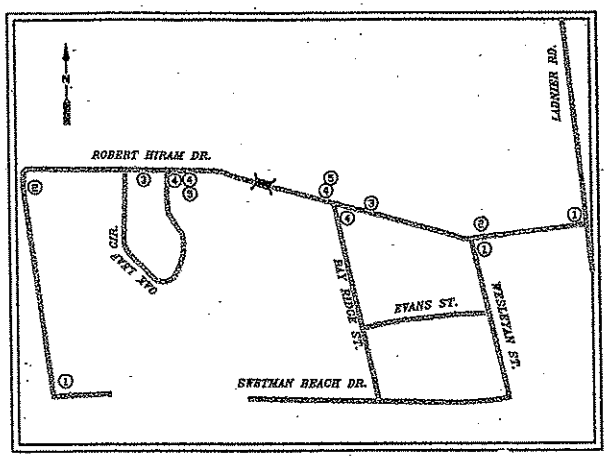
FNAME REVDATE USER

SAM-2008-1166-KMW

Enclosure 1
18 SEP 08







TRAFFIC CONTROL PLAN
N.T.S.

Type III Barricades & R11-2a signs shall be installed across entire roadway at all times when there is no construction activity at the bridge site.

SIGN SCHEDULE

SIGN NO	TYPE	DESCRIPTION
1	R1-3a(mod)	ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY(AT INTERSECTION)
2	W20-3	ROAD CLOSED 1500 FT
3	W20-3	ROAD CLOSED 500'
4	R11-2a	ROAD CLOSED
5	TYPE III	BARRICADE ACROSS ENTIRE ROADWAY (50'± OUTSIDE OF PROJECT LIMITS)

Project No. 45108-OVERALL	Drawn By: ARON
Date MARCH 17, 2008	Checked By:
Scale 1" = 50'	Approved:

ROBERT HIRAM DRIVE

PLAN & PROFILE

BATSON & BROWN, INC.
CONSULTING ENGINEERS
4347 OLD BRANCH TRAIL
GAUTIER, MISSISSIPPI 39553
PHONE: (228) 522-4363 FAX: (228) 522-0403

SHEET 3

SAM-2008-1166-KMN

Enclosure 2
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