



Ocean Springs Road

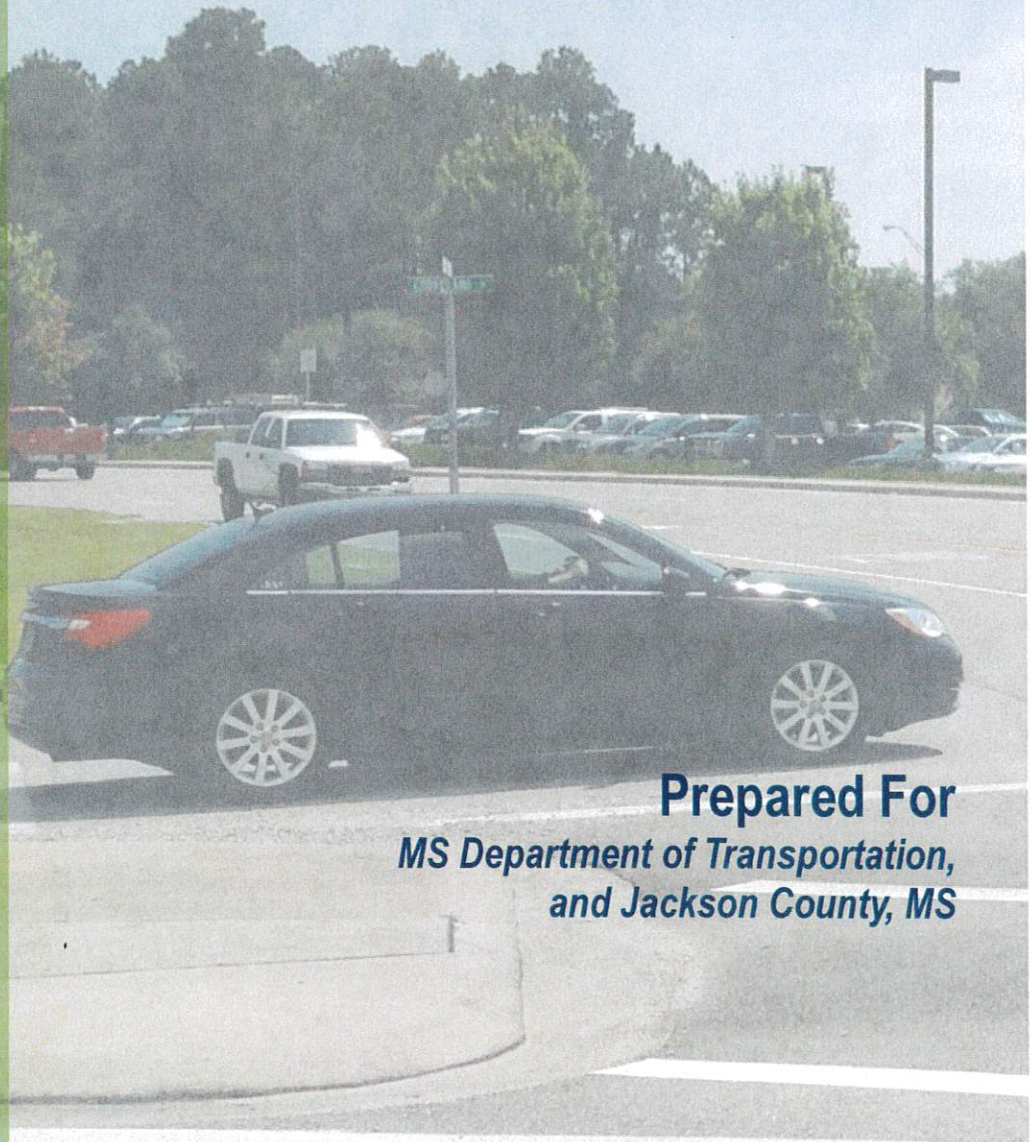
Feasibility Study for Roadway Enhancement Concepts

Bienville Boulevard (US 90) to MS Highway 57

Project No. 107191-711000 • STP-0030-00(037)



BKI



Prepared For
*MS Department of Transportation,
and Jackson County, MS*



April 30, 2017

Executive Summary

Route Ocean Springs Road City/County: Ocean Springs, MS and Jackson County, MS
 Begin Bienville Boulevard (US 90) End MS 57 Length +/- 4.5 miles

Project Description

The project identifies potential concepts for a proposed enhancement along Ocean Springs Road, located in the City of Ocean Springs and unincorporated Jackson County, MS. Two concepts have been developed and evaluated within the technical study and shared with the community for input.

General Project Concept

Description of existing facility (functional class, existing ADT with source, number of lanes, etc) Ocean Springs Road is a minor arterial (on the adopted highway functional classification map for the Gulfport-Biloxi UZA) and has a corridor-wide ADT of 7,000 (GRPC). It has 2- 11 foot travel lanes, no shoulders, a center turn lane between Groveland Road and King Henry Drive, sidewalks only along 1 side of the street and within 2 segments south of King Henry Drive and open ditches for drainage (both sides) north and east of Groveland Road. The posted speed limit is 35 MPH between US 90 and Monticello Boulevard, 45 MPH between Monticello Boulevard and MS 57. There are no speed zones along the corridor. The corridor has an estimated right-of-way (utility pole to utility pole) of 70 feet, based upon right-of-way measurements taken in the field. The width of the apparent roadway sides (pavement to edge of ditch/swale) appears to be approximately 25 feet on both sides of the corridor. There are two signalized intersections on Ocean Springs Road, one at US 90 and the second at MS 57. Traffic signal at US 90 includes pedestrian count-down timer and ADA ramps.

Major Design Features/Criteria of the proposed facility Proposed improvement includes two concepts for potential median treatment, as well as a shared use path on one side of the corridor for pedestrian and cyclists. Improvements would also widen existing sidewalk along Ocean Springs Road into a shared use path for pedestrian and cyclists. Crosswalks at key intersections would connect path to interior neighborhoods and future shared-use facilities proposed for US 90 corridor. Phased implementation would occur as in accordance with funding availability from County and GRPC (as the MS Gulf Coast MPO).

Construction Traffic Management/Property Access Considerations Corridor passes through developing area. Recommendations for landscape island construction based upon local access needs along corridor.

Initial Order of Magnitude Cost Estimate (For all concepts, construction rounded up to the closest \$10,000)

Project Limits =>	Bienville Boulevard (US 90) to Reilly Road		East of Reilly Road to MS 57
	Concept #1 Two-Way Left Turn	Concept #2 Landscaped Islands	Improved Shoulder
Construction Costs ¹	\$7,960,000	\$8,480,000	\$1,670,000
Construction Engineering (5% of Cost)	\$398,000	\$424,000	\$83,500
Testing (5% of Cost)	\$398,000	\$424,000	\$83,500
Contingency (5% of Cost)	\$398,000	\$424,000	\$83,500
Initial Cost Estimate	\$9,154,000	\$9,752,000	\$1,920,500

Notes: See detailed itemized cost table in Appendix for more information about project cost by phase of implementation. Majority of improvements will place within the public right-of-way but some ROW costs assumed as part of construction. Cost of improvements do include accompanying upgrade to drainage along the northern edge of Ocean Springs Road to facilitate the shared use path development offset from the existing roadway. The final elements and cost for this system to be determined during a drainage analysis completed as part of the final project design.

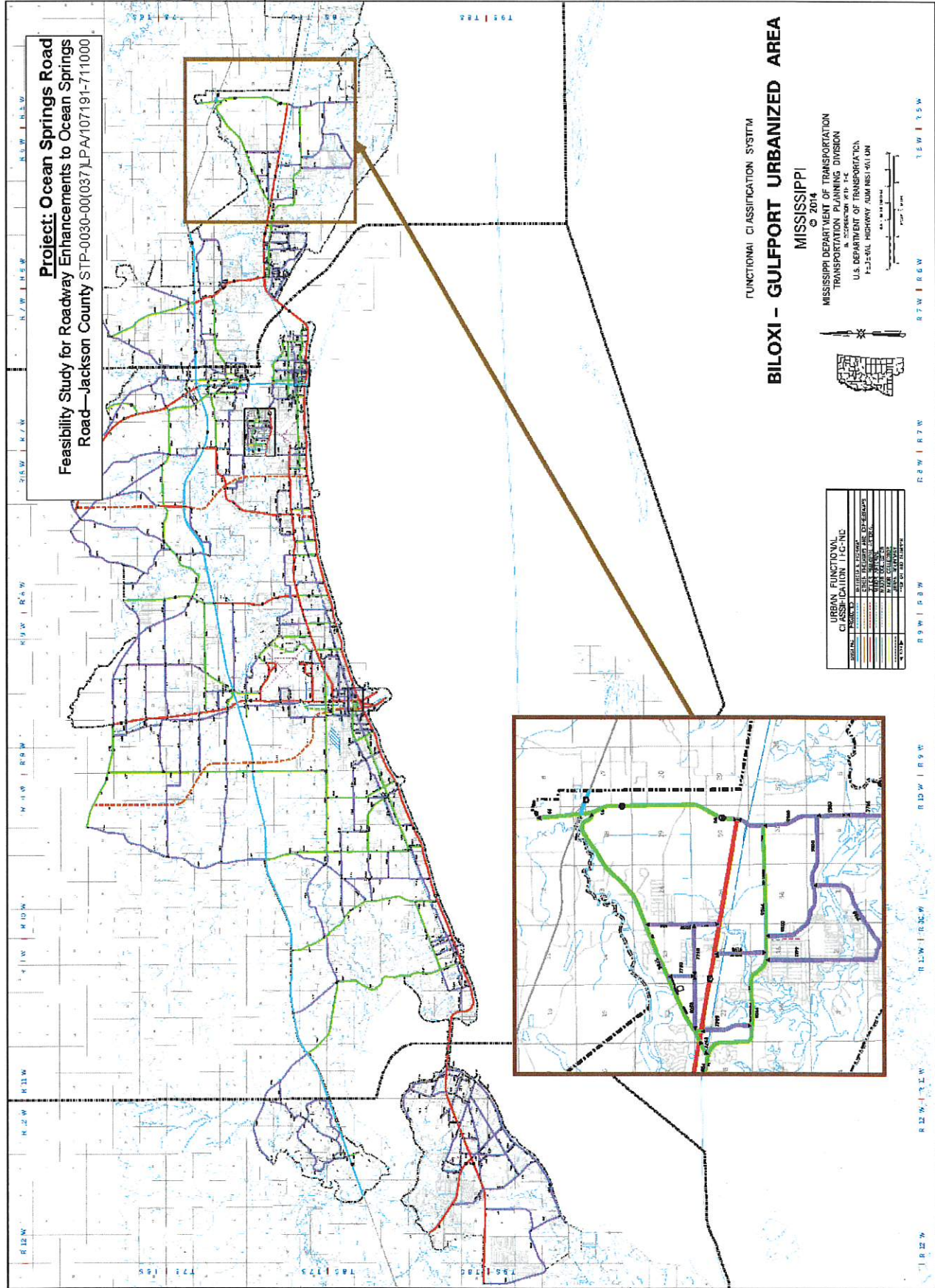


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The opinions, findings and conclusions in this publication are those of the author(s) and not necessarily those of the Local Public Agency, Mississippi Department of Transportation, Mississippi Transportation Commission, the State of Mississippi, or the Federal Highway Administration.

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