



GOMESA PHASE II PROJECT FUNDING

Request for Funding FY2026

Submission ID: #202507301336

PROJECT SUMMARY

1. Title of Project

Diamondhead Drainage, Flood Prevention & Water Quality Improvement Project Phase III

2. Location of Project

Diamondhead Drive West Project coordinates: 30°23'40"N, 89°22'22"W Alakoko Drive Project coordinates: 30°23'18"N, 89°22'15"W Bank Stabilization Project coordinates: various

3. Requesting Organization:

City of Diamondhead

4. Requesting Agency Representative

a. Name:

Jon McCraw

b. Phone:

228-222-4626

d. Email:

jmccraw@diamondhead.ms.gov

c. Address:

5000 Diamondhead Circle

Diamondhead Mississippi

5. Funding Requested:

\$2000000

6. Have any other State or Federal funding sources been identified for the project?

No

7. If yes, enter amount and source of additional funds:

\$

Source of Additional Funds:

8. Total Project Funds

\$2000000



GOMESA PHASE II PROJECT FUNDING

Request for Funding FY2026

Submission ID: #202507301336

ENHANCE * PROTECT * CONSERVE

9. Provide Brief Project Description/Overview:

The City of Diamondhead is seeking GOMESA funding from the Mississippi Department of Marine Resources for the Diamondhead Drainage, Flood Prevention & Water Quality Improvement Project Phase III. Phase I & II of the project were funded during the 2022 and 2023 cycles. Additionally, three subprojects have been identified as critical components to Diamondhead's drainage and water quality program specific to Watershed A (the largest watershed in the City of Diamondhead). The project consists of three subprojects that will provide drainage infrastructure improvements, wetland restoration and improve detention facilities to reduce flooding, improve water quality and preserve downstream wetland and estuarine habitats. The subprojects that are associated will improve water flow characteristics, reduce the future possibility of flooding of roadways and homes in the area, improve water quality downstream and extend runoff times. As part of a county-wide effort, Waggoner Engineering produced the Hancock County Watershed-Based Stormwater Assessment and Management Plan in December 2019 that included a step-by-step plan for implementation. The plan created by Waggoner Engineering provided Hancock County a storm management plan for the long-term future of the County that was realistic and manageable. The county-wide effort by Waggoner Engineering resulted in a detailed project description for two of the three subprojects of the Diamondhead Drainage, Flood Prevention & Water Quality Improvement Project. The following pages contain the full project descriptions from the Waggoner Engineering produced plan for Diamondhead Drive West and Alakoko Drive.

10. LIST Project Goals/Objectives:

Diamondhead Drive West: Goals and objectives of this subproject are to improve flow characteristics, reduce possibility of flooding of roadway and homes in the area, increase runoff times, and increase water quality downstream. Shallow roadway ditches in the Northwest quadrant may result in water over Diamondhead Drive West. Large Development has been approved North of this area and existing ongoing development in the area is resulting in lost forested areas that will be impervious thus grossly increasing runoff through the branch. Water is frequently reported over the golf cart between fairways just South of the area. The branch is well defined thru this area but grades become flatter as it traverses between fairways causing silt and debris to be deposited thereby causing ponding. Development in this area is particularly sensitive as runoff contributes to problem areas along the branch downstream.

Alakoko Drive: Goals and objectives of this subproject are to improve flow characteristics, reduce possibility of flooding of roadways and homes in the area, improved water quality downstream and extended runoff times. As documented by Waggoner Engineering, the reported problems are the site is a bowl where steeper grades from all directions play out into a flatter terrain. Drainage structures in the area appear to be installed at elevations that will not provide drainage for this area. Area 17 of the Master Drainage Plan produced by Seymour Engineering in 2014 drains to this point with no positive outlet until water ponds to a certain elevation. Topographic survey of the immediate area to determine how to drain the area back to the intersection of Mahalo Hui and Alakoko Drive where flow will leave through the ditch section Westward.

Bank Stabilization: Goals and objects of this subproject are to reduce the erosion issues on the large natural streams throughout the city. These streams are generally located between Kome Drive and Apelehama Circle/Road. The streams are heavily vegetated which is problematic for inspection and maintenance. These locations have abrupt changes of direction with minimal to no bank protection. Hydraulic analysis at the problem areas indicate that reinforced erosion control products could be used for bank protection.

11. Which of the following authorized uses set forth in the GOMESA Act does this project fall under? Explain SPECIFICALLY and in detail how the project meets the required criteria. Check all that apply - At least one must be checked.

(A) Projects and activities for the purposes of coastal protection, including conservation, coastal restoration, hurricane protection, and infrastructure directly affected by coastal wetland losses

The proposed drainage improvements identified in this project will have a direct positive impact on coastal wetland losses by reducing stream bank and wetland erosion along the major drainageways within Diamondhead. Additionally, the reduction in



ENHANCE ★ PROTECT ★ CONSERVE

GOMESA PHASE II PROJECT FUNDING

Request for Funding FY2026

Submission ID: #202507301336

sedimentation will improve water quality in receiving streams and estuaries.

(B) Mitigation of damage to fish, wildlife, or natural resources.

The City of Diamondhead drains into Rotton Bayou, the Jordan River, and tributaries to St. Louis Bay. These drainage projects will reduce erosion and improve water quality downstream which directly impacts natural resources in our bays and estuaries.

(C) Implementation of a federally-approved marine, coastal, or conservation management plan

The proposed project is implementing recommendations made from the Hancock County Watershed-Based Stormwater Assessment and Management Plan, a comprehensive conservation management plan for Hancock County.

(D) Mitigation of the impact of Outer Continental Shelf activities through funding of onshore infrastructure projects.

The City of Diamondhead drains into Rotton Bayou, the Jordan River, and tributaries to St. Louis Bay. These drainage projects will reduce erosion and improve water quality downstream which directly impacts natural resources in our bays and



GOMESA PHASE II PROJECT FUNDING

Request for Funding FY2026

Submission ID: #202507301336

estuaries.

12. Project Timetable/Milestones:

Diamondhead Drive West
Implementation Period: One Year
Study: Completed
Design and Permitting: Six Months
Construction: One Year
Estimated Schedule: July 1, 2026 - December 31, 2027

Alakoko Drive
Implementation Period: Six Months
Study: Completed
Design and Permitting: Six Months
Construction: One Year
Estimated Schedule: July 1, 2026 - June 30, 2027

Bank Stabilization
Implementation Period: Two Years
Study: One Year
Design and Permitting: Six Months
Construction: Two Years
Estimated Schedule: July 1, 2026 - December 30, 2028

13. Project Timing

Short-term (3 year or less)



GOMESA PHASE II PROJECT FUNDING

Request for Funding FY2026

Submission ID: #202507301336

APPLICATION SUMMARY QUESTIONNAIRE

14. Current status of architectural/engineering plans & specifications for this project (if applicable):

Group 1:

H & H Modeling has been completed

Group 2:

Funds not budgeted

15. In what way does this project meet the goals and objectives of the Department of Marine Resources, which includes enhancing, protecting and conserving the marine interest of Mississippi for present and future generations.?

Diamondhead Drainage, Flood Prevention & Water Quality Improvement Project Phase III in Hancock County is primarily a drainage infrastructure improvement project that meets the following Mississippi Department of Marine Resources criteria: activities for the purposes of coastal protection, including conservation, coastal restoration, hurricane protection and infrastructure directly affected by coastal wetland losses; and implementation of a federally-approved marine, coastal or comprehensive conservation management plan. The Diamondhead Drainage, Flood Prevention & Water Quality Improvement Project Phase III will provide significant drainage infrastructure improvements that will provide future hurricane protection and infrastructure directly affected by coastal wetland losses. The project consists of three subprojects that will provide drainage infrastructure improvements, wetland restoration and improve detention facilities for future watershed events. The proposed project is also implementing recommendations made from the Hancock County Watershed-Based Stormwater Assessment and Management Plan, a comprehensive conservation management plan for Hancock County.

16. Estimated number of years to completion:

2

17. Estimated Completion Date:

December 2028

18. Prioritize if your agency has submitted multiple projects:

1



GOMESA PHASE II PROJECT FUNDING

Request for Funding FY2026

Submission ID: #202507301336

BUDGET

Category	Total
Salaries	0
Travel	0
Architecture & Engineering	250000
Legal	0
Consulting	0
Construction	1500000
Site Work	0
Equipment	0
Indirects	0
Other	250000
Total	2000000

Attachments

1. alakoko-dr_opc.pdf
2. bank-stabilization-opc.pdf
3. dh-drive-west_opc.pdf

I hereby certify under penalty of perjury that all information contained in this application packet is true and correct. I have not knowingly or intentionally provided any false information. I understand that a false statement on this application may be grounds for rejection of my application or termination of the award. In addition, a false statement may be punishable under applicable state or federal laws, which may also result in a fine and/or imprisonment.

I certify that the above referenced agency / entity has given me the authority to submit this application.

Name

Phone

Date

Jon McCraw

228-222-4626

07/30/2025

City of Diamondhead

Opinion of Probable Cost*

July 2023

Alakoko Drive Deadend

Pay Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$ 19,500.00	\$ 19,500.00
Clearing and Grubbing	LS	1	\$ 6,500.00	\$ 6,500.00
Remove Excess Sediment From Road Ditch	LF	350	\$ 19.50	\$ 6,825.00
Removal of Sediment from Culverts	EA	7	\$ 650.00	\$ 4,550.00
Silt Fencing	LF	1000	\$ 6.50	\$ 6,500.00
Seeding and Mulch	LS	1	\$ 6,500.00	\$ 6,500.00
Solid Sodding	SY	100	\$ 13.00	\$ 1,300.00
Traffic Control (Including Temporary Signage)	LS	1	\$ 13,000.00	\$ 13,000.00
Stormwater Detention Facility	LS	1	\$ 32,500.00	\$ 32,500.00
Infrastructure Upgrades	LS	1	\$ 65,000.00	\$ 65,000.00
Topographic Survey	LS	1	\$ 19,500.00	\$ 19,500.00
H&H Analysis - Drainage Study	LS	1	\$ 10,400.00	\$ 10,400.00
			Estimated Construction Costs	\$ 192,100.00
			Engineering Costs 15% (Design, Inspection, Construction Admin)	\$ 28,800.00
			Right-of-Way/Easement Acquisition	\$ 6,500.00
			Permitting	\$ 3,300.00
			15% Contingency	\$ 34,600.00
			Total Estimated Project Cost	\$ 265,300.00

*Cost Estimate was created originally by 2019 Waggoner Stormwater Management Plan and has been adjusted by 30% to account for changes in market conditions

City of Diamondhead

Opinion of Probable Cost

Bank Stabilization

Pay Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$ 100,000.00	\$ 100,000.00
Clearing and Grubbing	AC	7	\$ 6,000.00	\$ 42,000.00
Demolition	LS	1	\$ 54,000.00	\$ 54,000.00
Hydroseeding	AC	7	\$ 2,500.00	\$ 17,500.00
Solid Sodding	SY	3500	\$ 14.00	\$ 49,000.00
Articulating Block on Geotextile Fabric	SY	2200	\$ 85.00	\$ 187,000.00
Riprap (200# 18" Thick)	SY	800	\$ 95.00	\$ 76,000.00
Silt Fence	LF	9500	\$ 5.00	\$ 47,500.00
Check Dams	EA	260	\$ 100.00	\$ 26,000.00
Fence Relocation	LF	2400	\$ 25.00	\$ 60,000.00
Subgrade Preparation	LF	5000	\$ 15.00	\$ 75,000.00
Excess Excavation	CY	5000	\$ 20.00	\$ 100,000.00
Gravel Roadway (6" thick on geotextile fabric)	SY	5400	\$ 30.00	\$ 162,000.00
Topographic and Boundary Surveys	LS	1	\$ 88,000.00	\$ 88,000.00
H&H Analysis - Drainage Study	LS	1	\$ 22,000.00	\$ 22,000.00

Estimated Construction Costs	\$ 1,106,000.00
Engineering Costs 15% (Design, Inspection, Construction, Testings, etc.)	\$ 165,900.00
Right-of-Way/Easement Acquisition	\$ 100,000.00
Permitting	\$ 24,300.00
20% Contingency	\$ 221,200.00
Total Estimated Project Cost	\$ 1,617,400.00

City of Diamondhead

Opinion of Probable Cost*

July 2023

Diamondhead Drive West at Bayou Drive

Pay Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$ 13,000.00	\$ 13,000.00
Clearing and Grubbing	LS	1	\$ 6,500.00	\$ 6,500.00
Remove Excess Sediment From Road Ditch	LF	300	\$ 26.00	\$ 7,800.00
Removal of Debris & Vegetation from Ditch	LF	400	\$ 19.50	\$ 7,800.00
Modified Inlets	EA	1	\$ 3,250.00	\$ 3,250.00
18" RCP	LF	50	\$ 78.00	\$ 3,900.00
Headwalls	EA	1	\$ 1,950.00	\$ 1,950.00
Gabion	TONS	40	\$ 97.50	\$ 3,900.00
Filter Fabric	SY	25	\$ 6.50	\$ 162.50
Silt Fencing	LF	100	\$ 6.50	\$ 650.00
Seeding and Mulch	LS	1	\$ 3,250.00	\$ 3,250.00
Traffic Control (Including Temporary Signage)	LS	1	\$ 6,500.00	\$ 6,500.00
Topographic Survey	LS	1	\$ 9,750.00	\$ 9,750.00
H&H Analysis - Drainage Study	LS	1	\$ 3,250.00	\$ 3,250.00

Estimated Construction Costs	\$	71,700.00
Engineering Costs 15% (Design, Inspection, Construction Admin)	\$	10,800.00
Right-of-Way/Easement Acquisition	\$	6,500.00
Permitting	\$	13,000.00
15% Contingency	\$	15,300.00
Total Estimated Project Cost	\$	117,300.00

*Cost Estimate was created originally by 2019 Waggoner Stormwater Management Plan and has been adjusted by 30% to account for changes in market conditions