

MISSISSIPPI GULF COAST UNFUNDED LOCAL INTERSECTION PROJECT NEEDS

PLANNING
FOR THE NEXT
10
YEARS



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Intersection Projects - Capacity

This list includes local intersection projects identified by GRPC congestion management planning. Roadways with volume to capacity ratios that are over .85 but under 1.0 may benefit from intersection improvement projects that add turn lanes, lengthen turn lane storage, improve the geometry of the intersection, or consider a roundabout. The addition of left turn lanes typically increase a roadway's capacity by 20 percent. Intersection improvement projects cost about \$900,000.

Chicot Street at Nathan Hale Boulevard

Agency	Entering Volume	Crash Rate
City of Pascagoula	16,800 ADT	.82 per million

Traffic on Chicot Street is reaching its intended capacity (V/C= .87). Turn lanes at this intersection or a center turn lane to US 90 would help improve traffic flow. In 2017 there was a bicycle crash on this road.



Pass Road at Jody Nelson Drive

Agency	Entering Volume	Crash Rate
City of Gulfport	no data	no data

This section of Pass Road would benefit from a center turn lane or left turn lanes at this intersection. Between 2017 and 2019 there was one vehicle crash with injury.



Pass Road at Washington Avenue

Agency	Entering Volume	Crash Rate
City of Gulfport	24,450 ADT	.90 per million

The section of Pass Road between Hewes Avenue and Washington Avenue would benefit from a center turn lane or left turn lanes at this intersection.



Canal Road at Landon Road

Agency	Entering Volume	Crash Rate
Harrison County	15,100 ADT	.73 per million

This intersection needs to be improved due to increasing traffic on Canal Road and Landon Road. Between 2017 and 2019 there were two vehicle crashes with injury.



Broad Avenue at Old Pass Road

Agency	Entering Volume	Crash Rate
City of Gulfport	14,250 ADT	1.15 per million

Left turn lanes should be installed on Old Pass Road at this intersection.



Canal Road at Orange Grove Road

Agency	Entering Volume	Crash Rate
Harrison County	14,400 ADT	.19 per million

Orange Grove Road has traffic that is approaching the intended capacity of a two-lane road with no turn lanes. The installation of left turn lanes would help traffic flow at this intersection.



Klondyke Road at Cleveland Avenue

Agency	Entering Volume	Crash Rate
City of Long Beach	8,700 ADT	1.26 per million

A left turn lane should be installed on Klondyke Road on the southbound leg of this intersection.



Three Rivers Road at Oneal Road

Agency	Entering Volume	Crash Rate
City of Gulfport	17,250 ADT	1.75 per million

There is a very high crash rate at this intersection. Almost half of the crashes are angle or left turn. This intersection should have left turn lanes installed on all approaches or a roundabout should be considered.



Government Street at Halstead Road

Agency	Entering Volume	Crash Rate
City of Ocean Springs	11,750 ADT	.93 per million

Between 2017 and 2019 there was one vehicle crash with injury. Turn lanes should be added on Government Street at this intersection for vehicles turning onto Halstead Road.



Intersection Projects - Safety

This list includes local road intersection projects identified by GRPC safety management planning. These intersections have crash rates over 1.5 per million vehicles and at least 5 crashes per year. Although there are many intersections on state routes with high crash rates, they are not included here. These intersections would benefit from a roadway safety audit to identify what elements of the road may present a safety concern and what opportunities exist to eliminate or mitigate identified safety concerns. Crash data from 2017, 2018, and 2019 was analyzed for this report.

Diamondhead Drive at West Aloha Drive

Agency	Entering Volume	Crash Rate
City of Diamondhead	11,800 ADT	1.67 per million

This intersection averages 7 crashes per year with 58% of the crashes being angle or left turn crashes.



Cleveland Avenue at Railroad Street

Agency	Entering Volume	Crash Rate
City of Long Beach	12,800 ADT	2.14 per million

This intersection averages 10 crashes per year with 68% of the crashes being angle or left turn crashes.



Broad Avenue at Railroad Street

Agency	Entering Volume	Crash Rate
City of Gulfport	11,600 ADT	1.89 per million

This intersection averages 8 crashes per year with 46% of the crashes being angle or left turn and 42% are rear end crashes.



42nd Avenue at Railroad Street

Agency	Entering Volume	Crash Rate
City of Gulfport	6,650 ADT	2.97 per million

This intersection averages 7 crashes per year with 100% of the crashes being angle crashes.



15th Street at 33rd Avenue

Agency	Entering Volume	Crash Rate
City of Gulfport	12,400 ADT	1.5 per million

This intersection averages 7 crashes per year with 63% of the crashes being angle or left turn crashes. Consider single lane roundabout because traffic on major road and minor road is below 10,000 ADT.



30th Avenue at 15th Street

Agency	Entering Volume	Crash Rate
City of Gulfport	14,650 ADT	1.57 per million

This intersection averages 8 crashes per year with 74% of the crashes being angle crashes.



Three Rivers Road at Creosote Road

Agency	Entering Volume	Crash Rate
City of Gulfport	27,250 ADT	1.83 per million

This intersection averages 18 crashes per year with 57% of the crashes being rear end crashes.



Three Rivers Road at Crossroads Parkway

Agency	Entering Volume	Crash Rate
City of Gulfport	29,500 ADT	1.73 per million

This intersection averages 19 crashes per year with 67% of the crashes being rear end crashes.



Three Rivers Road at O'Neal Road

Agency	Entering Volume	Crash Rate
City of Gulfport	17,250 ADT	1.68 per million

This intersection averages 11 crashes per year with 43% rear end and 45% angle or left turn crashes.



Intersection Projects - Safety

ROADWAY SAFETY AUDIT

A Road Safety Audit (RSA) is a formal safety performance examination of a road or intersection by an independent audit team. The RSA team considers the safety of all road users, qualitatively estimates and reports on road safety issues and opportunities for safety improvement.

ROADWAY SAFETY AUDIT PROCESS

- Step 1 → Identify project or road in-service to be audited.
- Step 2 → Select RSA team.
- Step 3 → Conduct a pre-audit meeting to review project information.
- Step 4 → Perform field observations under various conditions.
- Step 5 → Conduct audit analysis and prepare report of findings.
- Step 6 → Present audit findings to Project Owner/Design Team.
- Step 7 → Project Owner/Design Team prepares formal response.
- Step 8 → Incorporate findings into the project when appropriate.

ROADWAY SAFETY AUDIT TEAM

Roadway Safety Specialist - A person that understands factors that lead to crashes and the effective treatments for them.

Traffic Operations Engineer - Someone that knows the principles of traffic flow, capacity, demand, and what causes congestion.

Roadway Design Engineer - The individual should have road design experience and be familiar with Federal, State, and local standards.

Local Contact Person - An individual familiar with the area under review and the traffic safety issues experienced there.

Other areas of specialty - This could include first responders, law enforcement, transit providers, school administrators, etc.

Lamey Bridge Road at Sangani Boulevard

Agency	Entering Volume	Crash Rate
City of D'Iberville	26,000 ADT	1.56 per million

This intersection averages 15 crashes per year with 48% of the crashes being angle or left turn and 38% are rear end crashes



Courthouse Road at Pass Road

Agency	Entering Volume	Crash Rate
City of Gulfport	29,900 ADT	1.96 per million

This intersection averages 21 crashes per year with 46% of the crashes being angle or left turn and 39% are rear end crashes.



Three Rivers Road at Dedeaux Road

Agency	Entering Volume	Crash Rate
City of Gulfport	30,000 ADT	2.23 per million

This intersection averages 24 crashes per year with 25% of the crashes being angle or left turn and 50% are rear end.



Old Spanish Trail at Belle Fontaine Road

Agency	Entering Volume	Crash Rate
Jackson County	12,700 ADT	2.2 per million

This intersection averages 10 crashes per year with 67% being rear end crashes.



Jefferson Avenue at Veterans Avenue

Agency	Entering Volume	Crash Rate
City of Pascagoula	7,950 ADT	1.72 per million

This intersection averages 5 crashes per year with 89% being angle crashes.

