

Twin Beech Corridor Study: Recommendations for the Fairhope City Council

As Reviewed by the Street & Traffic Control Committee

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Study Overview and Council Briefing Purpose



- **Study Purpose and Projected Growth**
 - The study provides data-driven insights on traffic growth and challenges along Twin Beech Road corridor through 2045.
- **Traffic and Safety Evaluation**
 - Assessment covered traffic operations, safety, and multimodal needs including vehicles, pedestrians, and bicyclists.
- **Recommended Improvements**
 - The briefing focuses on recommended intersection improvements balancing safety, efficiency, cost, and flexibility.
- **Council Decision Support**
 - Information aims to assist Council in making informed decisions on funding, programming, and coordination efforts.

Purpose and Goals of the Corridor Study



Proactive Transportation Planning

The study aims to address future traffic growth and prevent severe mobility and safety issues before they arise.

Enhancing User Safety

Focus on reducing crashes, improving pedestrian visibility & safety, and ensuring accessibility for all users including those with disabilities.

Operational Efficiency

Evaluating traffic control strategies to minimize delays and congestion during peak commuter hours on key corridors.

Cost-Effectiveness and Scalability

Balancing upfront costs with long-term performance to recommend sustainable improvements like signals and roundabouts.

Alternative 1 – All Way Stop Condition

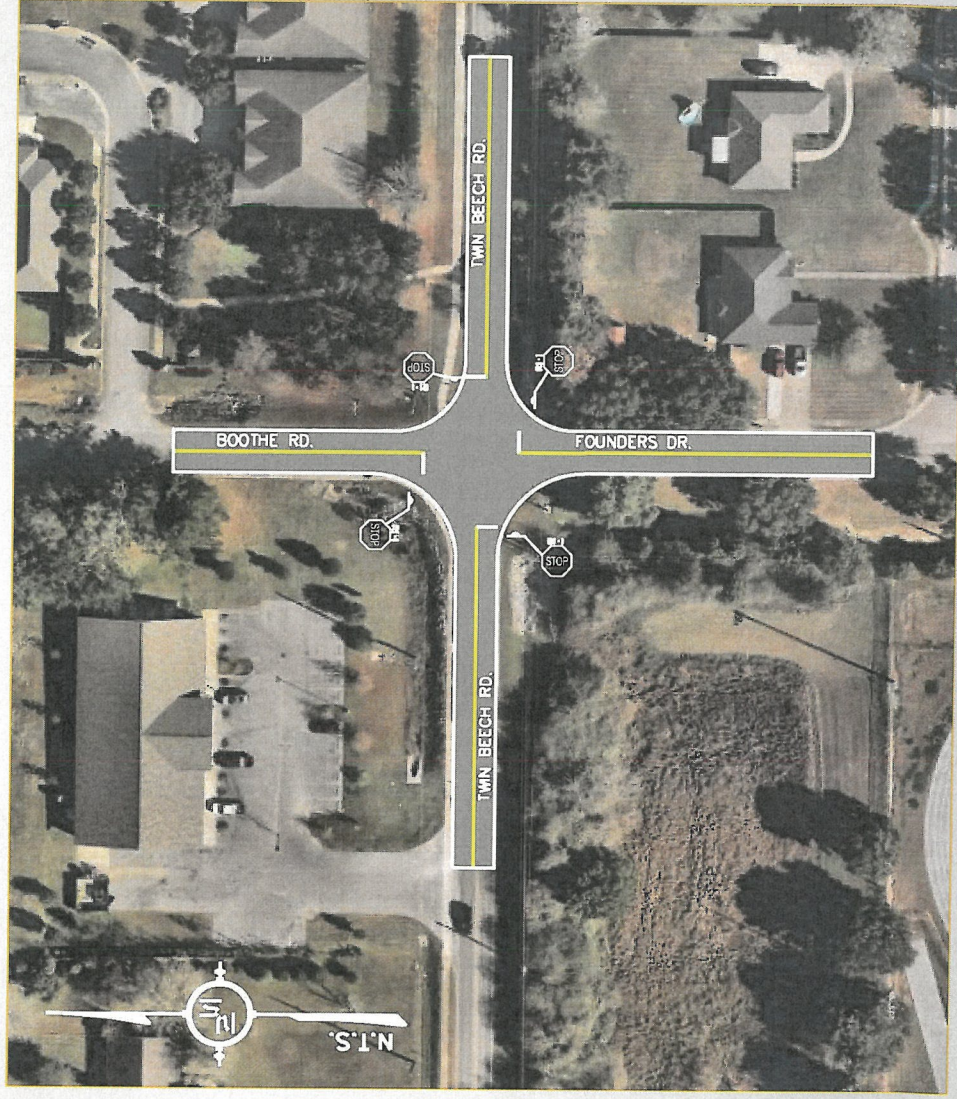
Pros:

- Inexpensive
- Quick to Install
- No existing infrastructure issues
- Pedestrian Friendly
- Reduces delay for southbound and northbound approaches

Cons:

- Instant failure of eastbound and westbound approaches
- Excessive queuing at peak hours (school) – potentially backing traffic up to Pirates Drive US HWY 98

NOT RECOMMENDED
NS & TC



Alternative 2 – Single Lane Roundabout

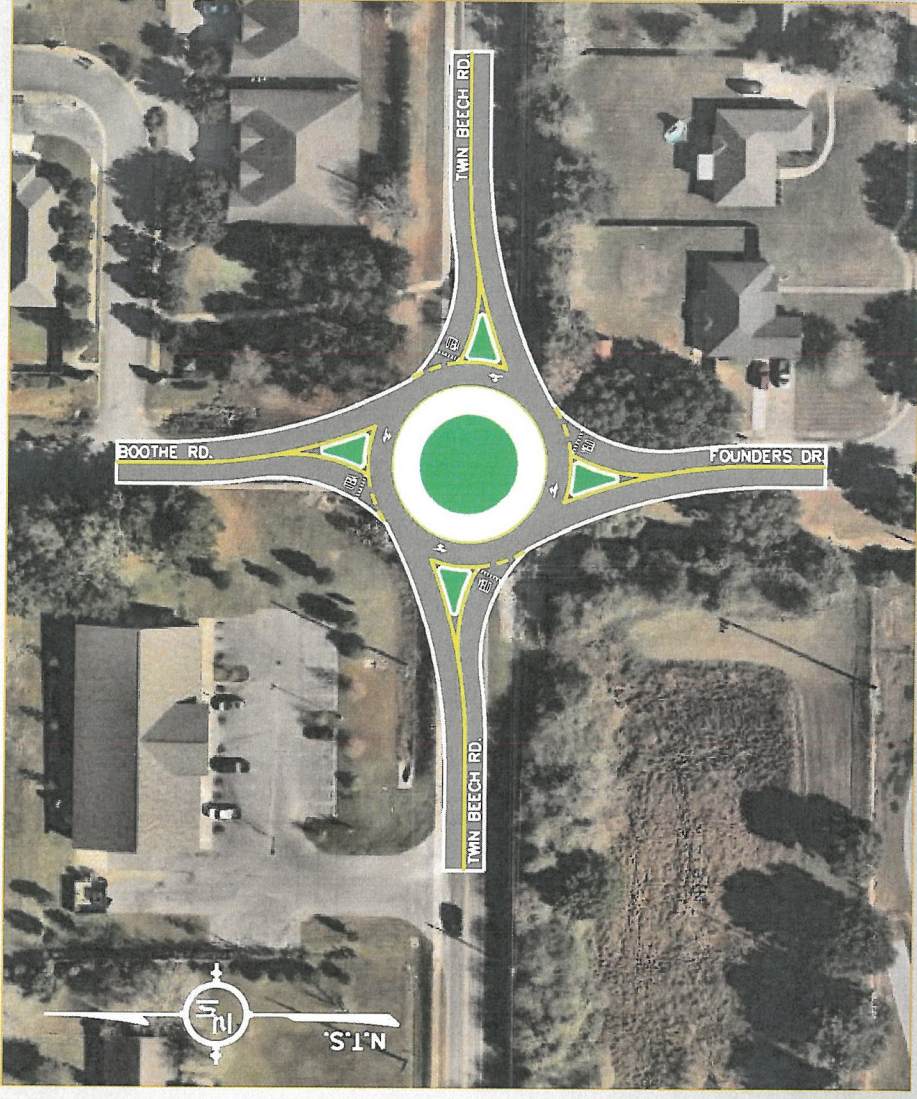
Pros:

- Eliminates serious crashes
- Semi - Pedestrian Friendly
- Reduces delay for southbound and northbound approaches
- Proven Infrastructure

Cons:

- Expensive
- Major Infrastructure Improvements
- Require Ped Signals (RRFB's)
- Hard Road Closures
- Slight increase in delay for eastbound & westbound approaches

RECOMMENDATIONS
NS – NO/TC-TENTYES



Alternative 3 – Signalized Intersection W/TL

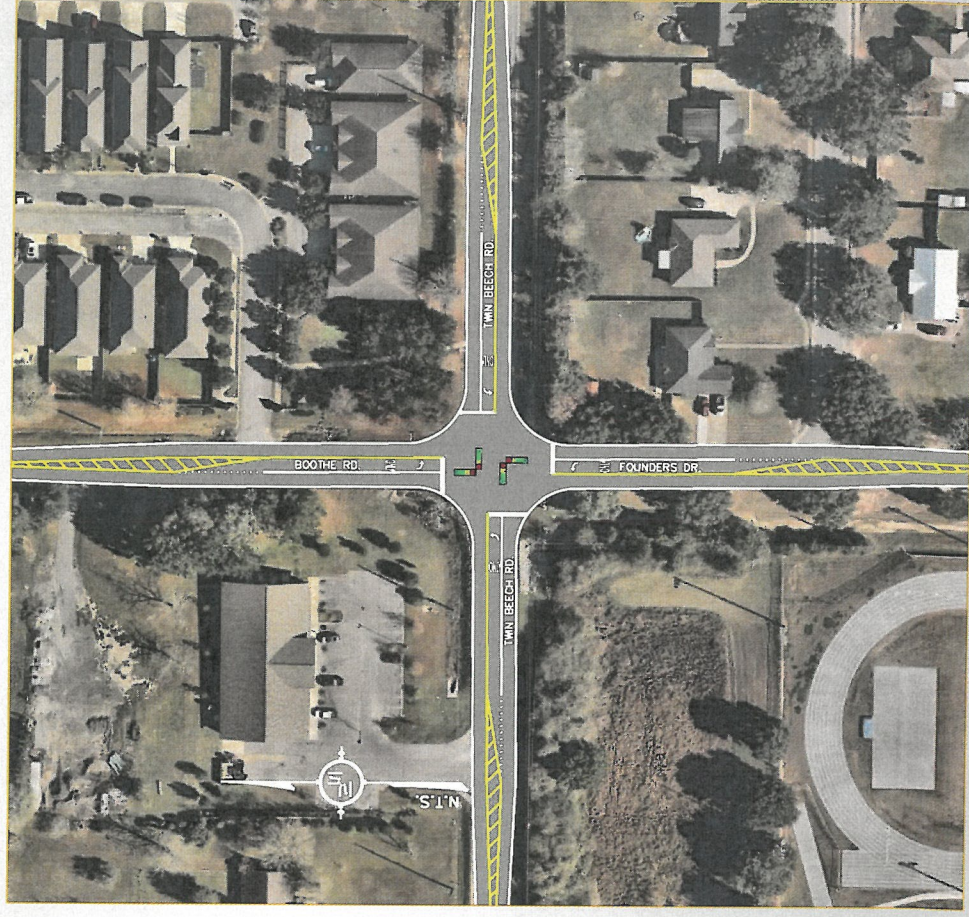
Pros:

- Improves Intersection Safety – Protected Left Turn Movements
- Very Pedestrian Friendly
- Allows for Integrated and Timed Pedestrian Crossing Signals
- Reduces delay for southbound and northbound approaches
- Proven Infrastructure
- Open to Thru Traffic During Construction

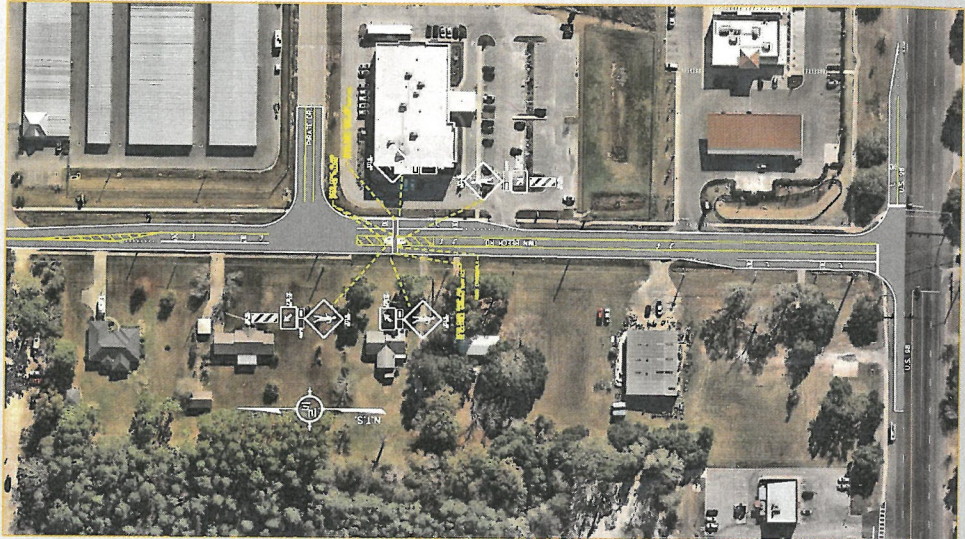
Cons:

- Moderately Expensive
- Major Infrastructure Improvements
- Slight increase in delay for eastbound & westbound approaches

RECOMMENDATIONS
NS – YES/TC-TENTYES



Alternative – Signalized Intersection Plus



Alternative 4 – Signalized Intersection Plus

Pros:

- Improves Intersection & Corridor Safety – Protected Left Turn Movements
- Very Pedestrian Friendly
- Allows for Integrated and Timed Pedestrian Crossing Signals
- Reduces delay for southbound and northbound approaches
- Proven Infrastructure
- Open to Thru Traffic During Construction

Cons:

- Very Expensive – Can Be Phased Const.
- Major Infrastructure Improvements
- Slight increase in delay for eastbound & westbound approaches

RECOMMENDATIONS
NS – YES/TC-TENT NO



Twin Beech
Corridor
Traffic &
Safety Study

Questions and Discussion

