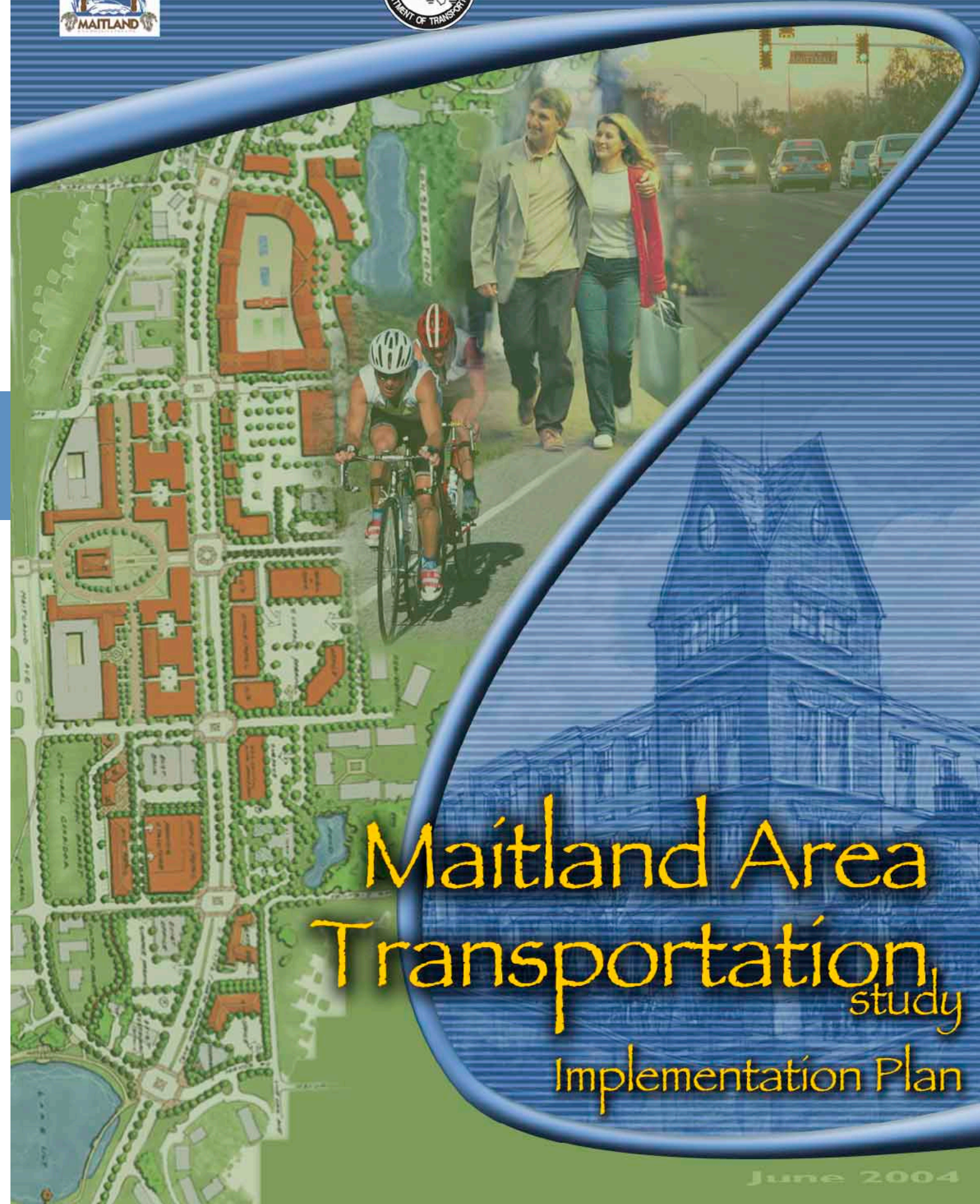


Recommended Projects for the Maitland Area Transportation Study

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IMPLEMENTATION PLAN OF RECOMMENDATIONS			
PROJECT NUMBER	PROJECT DESCRIPTION	PRELIMINARY OPINION OF PROBABLE COST	IMPLEMENTATION
1A	Construct Eastbound Maitland Boulevard off ramp to US 17/92.	\$2.06 million **	Previous committed project
1B	Remove existing traffic signal at US 17/92 & Maitland Boulevard.	\$150,000	FDOT to implement
2A	Modify US 17/92 & Horatio Avenue intersection lane geometry and modify existing traffic signal with new phasing. (See figure above for changes)	\$200,000*	City of Maitland to implement with approval from FDOT during planned reconstruction of City Hall
2B	Modify traffic signal timings at Maitland Boulevard & Maitland Avenue Intersection to provide more green time for east-west through traffic on Maitland Boulevard.	\$10,000	City of Maitland to Implement with Approval from FDOT
2C	Install traffic calming measures on Maitland Avenue, George Street and Sybelia Avenue.	To be determined	City of Maitland to implement
3A	Construct North Swoope Avenue Extension to Sybelia Avenue at US 17/92.	\$4.5 million**	City of Maitland to implement as part of future redevelopment
3B	Install traffic signal at North Swoope Avenue Extension & US 17/92 intersection when warrants have been met.	\$200,000	City of Maitland to implement
4	Construct South Swoope Avenue Extension to Ventris Avenue with dedicated northbound right-turn Lane. Relocate existing traffic signal from Packwood Avenue to Ventris Avenue.	Not included	City of Maitland to implement as part of future redevelopment with more detailed analysis.

* Provided for replacing existing signal Only. Funds may be available to coordinate with the US 17/92 Resurfacing Project.
 ** Provided from City of Maitland May 2004 (draft) Capital Improvement Program.



Maitland Area Transportation study Implementation Plan

In 1997 the City of Maitland, Florida, adopted the Downtown Master Plan. Today the Master Plan serves as a reference to guide Downtown redevelopment activities. Within the Master Plan are ambitious recommendations regarding architectural standards, site development, utility infrastructure, and the transportation network. In 2003, the Florida Department of Transportation teamed together with the City of Maitland to sponsor the Maitland Area Transportation Study. The study's overall objective was to identify specific transportation improvements that will assist the redevelopment of the Downtown while still preserving the functionality of the State Highway System. The results of the study identify improvements to relocate existing traffic going through the city.

Downtown Maitland is currently bounded by several unique features that affect travel through the City. US 17/92 is a major arterial highway with regional significance that serves as an important route for intercity travel and commercial trucks. It is parallel to I-4 and often serves as an alternate route during times of construction and special incidents. The CSX "A" Line is a principal railroad line through Orlando and is located next to US 17/92 through downtown Maitland.

Additionally, several lakes (Lake Sybelia, Lake Minnehaha, and Lake Maitland, etc.) significantly influence development of the roadway network. These lakes prevent the development of a substantial street grid network that would naturally funnel additional traffic away from the major highways. Because only the major highways,

like US 17/92 and I-4, extend completely through the study area, many short trips are accommodated on the State Highway System to travel around the lakes instead of county and local roads.

Currently, east-west intercity traffic through downtown Maitland uses Maitland Avenue to connect between Horatio Avenue and Maitland Boulevard, creating a situation of high volume intercity traffic using a local roadway.

Meanwhile, ample capacity exists along the parallel segment of US 17/92 and the Maitland Boulevard interchange for traffic with the same general origin and destination. This intercity traffic using Horatio Avenue and Maitland Avenue is perceived as a deterrent to attract downtown redevelopment. The specific goals of the Maitland Area Transportation Study are to find ways to:

- Alleviate "cut-through" traffic using Maitland Avenue through Downtown
- Improve existing congestion at the US 17/92 & Horatio Avenue intersection



The immediate study area for project alternatives consisted of approximately 10 square miles centered on the US 17/92 & Horatio Avenue intersection. Several interrelated transportation improvements with regional significance are either programmed, planned, or are being considered in the area. Therefore, a Steering Committee comprised of local governments and transportation agencies providing service in the area was developed to assist in the coordination of these interrelated improvements and assist in the development of project alternatives.



Three Steering Committee meetings were held to kick-off the Study, develop alternatives, and provide review of the preliminary recommendations. At the kick-off meeting the Steering Committee provided direction that the development of alternatives would adhere to two guidelines:

- Maintain the existing curbline of US 17/92
- Maintain the existing capacity on US 17/92

Computerized transportation software was applied using accepted engineering methods to evaluate and compare project alternatives. Regional transportation demand modeling software was used to identify traffic patterns for a twenty year horizon. Computer simulation was also used to compare alternatives at specific intersections and to compute the resulting automobile level of congestion. Automobile level of congestion was evaluated for the morning and afternoon peak hours. Additionally, existing multi-mode facilities, such as pedestrian, bicycle, public transit, and rail were inventoried and analyzed to determine their effectiveness to reduce the auto dependency in Downtown.

The traffic prefers to "cut-through" Horatio Avenue to Maitland Avenue because it is a shorter distance than the preferred route (however, not always faster). The planned redevelopment of City Hall will modify the west leg of the US 17/92 and Horatio Avenue intersections such that traffic will be diverted to the

preferred route. Also, the anticipated jurisdictional transfer of Horatio Avenue from Orange County to the City of Maitland will influence the City's redevelopment plans by allowing more flexibility for the City to reconstruct Horatio Avenue to the City's design guidelines.

Several documents were prepared during the course of this study. Electronic versions of each document are provided on the CD-ROM included below. These documents include:

- Technical Memorandum #1 - Community Profile
- Technical Memorandum #2 - Existing Conditions
- Technical Memorandum #3 - Alternatives Analysis
- May 4, 2004 Executive Summary Report

The result of the Maitland Area Transportation Study is a coordinated set of transportation improvements that address both the FDOT and City's objectives. The study area was analyzed as a system of interconnected roads. Therefore, each improvement is directly related to the effectiveness of other improvements. The improvements are provided in a series of four phases. This implementation plan identifies the sequence of the improvements and the implementing agency for each project. A preliminary opinion of probable cost is also provided. This implementation plan is consistent with the adopted FDOT Work Program and the City of Maitland Capital Improvement Program (Draft May 2004).

As the City embarks on the effort to redevelop the downtown roads, it will be important for the involved agencies to have a reference that has already evaluated the effects of alternatives. The Maitland Area Transportation Study Implementation Plan addresses that need and provides a specific list of actions to meet the goals and objectives of both the Florida Department of Transportation and the City of Maitland.

(Project recommendations are provided on the back)

- ✓ Less Congestion
- ✓ More Efficient