

# MEMORIAL DRIVE DRAINAGE AND MOBILITY DRAFT REPORT

Prepared for



## TAX INCREMENT REINVESTMENT ZONE No. 17 TIRZ 17

LAN Project #: 120-10308-000-445



**Lockwood, Andrews  
& Newnam, Inc.**

A LEO A DALY COMPANY

May 1, 2009

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ID # 2614

May 1, 2009

**EXECUTIVE SUMMARY**

Lockwood, Andrews & Newnam, Inc. (LAN) was contracted by Tax Increment Reinvestment Zone No. 17 (TIRZ 17) to perform and mobility study on Memorial Drive between Beltway 8 Northbound Service Road (NSR) and West Bough Lane in Houston, Texas. LAN has been tasked with analyzing the intersections and investigating left-turn lane alternatives aimed at improving operations. A summary of alternatives is as follows:

Table ES-1 – Summary of Alternatives	
Alternative	Description
No Build	<ul style="list-style-type: none"> <li>No Additional Improvements Proposed</li> </ul>
Alternative 1	<ul style="list-style-type: none"> <li>Add an eastbound left-turn lane at Town and Country Village East Driveway</li> </ul>
Alternative 2	<ul style="list-style-type: none"> <li>Add an eastbound left-turn lane at Town and Country Village West Driveway</li> <li>Add a westbound left-turn lane at Town and Country Village East Driveway</li> </ul>

LAN recommends that two eastbound left-turn lanes be constructed on Memorial Drive (Alternative 2). This recommendation is based on intersection capacity utilization (ICU) level of service (LOS) as well as potential safety benefits. Left-turn lanes have been shown to minimize turn-related crashes and minimize delay to through traffic. Based on these potential benefits, LAN recommends the following:

- Install an eastbound left-turn lane on Memorial Drive and Town and Country Village West Driveway,
- Install an eastbound left-turn lane on Memorial Drive and Town and Country Village East Driveway, and
- Update pavement markings on Memorial Drive between Beltway 8 NSR and West Bough Lane.