

Intersection Control Evaluation

(Business 53 and 22nd Avenue)

	Traffic Signal	Roundabout
OPERATIONAL ANALYSIS	<p>The Level of Service for the 2033 PM peak traffic volumes are summarized below:</p> <p>Intersection LOS (Delay)</p> <ul style="list-style-type: none"> • Overall: B (10.7 sec) <ul style="list-style-type: none"> ○ Northbound Approach: A (9.5) ○ Southbound Approach: A (9.3) ○ Eastbound Approach: B (18.5) ○ Westbound Approach: C (21.0) <p><i>Synchro - HCM 2010</i></p>	<p>The Level of Service for the 2033 PM peak traffic volumes are summarized below:</p> <p>Intersection LOS (Delay)</p> <ul style="list-style-type: none"> • Overall: A (7.3 sec) <ul style="list-style-type: none"> ○ Northbound Approach: A (7.4) ○ Southbound Approach: A (6.7) ○ Eastbound Approach: A (7.4) ○ Westbound Approach: A (9.1) <p><i>HCS 2010 – 6.60</i></p>
CONSTRUCTION COSTS	<p>Pavement Area: 20,200 sy</p> <p>Construction Cost = \$ 1,210,000 *Misc. Const. Cost = \$ 420,000 **E&C = \$ 250,000</p> <p>*35% miscellaneous construction costs **15% construction engineering costs</p> <p>Total Estimated Cost = \$1,880,000</p>	<p>Pavement Area: 17,400 sy</p> <p>Construction Cost = \$ 980,000 *Misc. Const. Cost = \$ 340,000 **E&C = \$ 200,000</p> <p>*35% miscellaneous construction costs **15% construction engineering costs</p> <p>Total Estimated Cost = \$1,520,000</p>
RIGHT-OF-WAY	<p>Properties impacted:</p> <ul style="list-style-type: none"> • Tip Top Motors • Westside Auto Sales* • Markquart Motors • Tobacco Outlet* • Morrie’s Mazda <p>*Relocations</p> <p>Real Estate Area = 110,330 sf</p>	<p>Properties impacted:</p> <ul style="list-style-type: none"> • Tip Top Motors • Westside Auto Sales* • Markquart Motors • Tobacco Outlet* • Morrie’s Mazda <p>*Relocations</p> <p>Real Estate Area = 110,330 sf</p>