Background
ALDOT observed a need for an experienced active management and maintenance delivery team
• ARCADIS was engaged based on their expertise with
  • Active Arterial and TSMO experience - Regional Transportation Operations for GDOT
  • Maintenance support and delivery - ITS Maintenance program for LADOTD

Goals
• System improvements
  • ALDOT SOPs
  • Development of a sustainable program

Stakeholder Input
• ALDOT
• TDOT
• Contractors/Vendors

Communication
• Expectations
• Roles
• Accomplishments

Relationships
• ALDOT
• TDOT
• UA
• Northport

Knowledge Sharing
• Systematic operations for all events
• Network Pathing, ITS design, Maintenance
• TACTICS, lessons learned
• Signals, ITS and programming
• Signal operations and timing

Area of Study
Green – Retimed
Red – Emergency/Gameday Timing

Signal Timing Results

<table>
<thead>
<tr>
<th>Intersection</th>
<th>Percent Change</th>
<th>Peak</th>
<th>After</th>
<th>Percent Change</th>
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</thead>
<tbody>
<tr>
<td>US 82 – US 43</td>
<td>3%</td>
<td>8%</td>
<td>5%</td>
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<tr>
<td>US 82 at Lurleen Wallace Blvd</td>
<td>10%</td>
<td>13%</td>
<td>6%</td>
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<tr>
<td>US 82 at 59th Street (NS/BS)</td>
<td>2%</td>
<td>8%</td>
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<tr>
<td>US 82 at 9th Street (WB/NS)</td>
<td>7%</td>
<td>10%</td>
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<tr>
<td>US 82 at Bear Creek Road (NB/EB)</td>
<td>15%</td>
<td>17%</td>
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<tbody>
<tr>
<td>Greensboro Ave</td>
<td>1%</td>
<td>3%</td>
<td>5%</td>
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<tr>
<td>AL 69 (south of Skyland Blvd)</td>
<td>4%</td>
<td>6%</td>
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<tr>
<td>Skyland Blvd</td>
<td>11%</td>
<td>13%</td>
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<td>US 11 at Hackberry Ln</td>
<td>6%</td>
<td>12%</td>
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<tr>
<td>US 11 at 10th Avenue</td>
<td>22%</td>
<td>12%</td>
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</table>

*Peak volumes based on ongoing conditions and are expected to change due to traffic growth.*
Signal Timing Results – Benefits

• 4 minutes saved per trip
• 2,350 minutes saved per day
• $45,800 saved in time (average wage) per day
• $17,625 dollars in fuel savings per day
• All representing $15.8 million in time and fuel savings per year

Infrastructure Management

• 20 signals brought online
• 12 surveillance cameras installed
• Continuous support and quick fix response
• Tactics integration into the TMC – Cloud based
• Network design drafting, implementation and support
• Preventative maintenance
• Maintenance of traffic operations in support of major and ongoing construction activities

Documentation

Areas of Influence

Looking to the Future

• Bring all signals online
• Network redundancy
• Consistent TMC and signal operations
• Camera coverage on all major routes
• Documentation – infrastructure, network, operation and maintenance

Thank you!

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