Presentation to the Traffic Commission

May 15, 2019

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McMahon Associates, Inc.
Background

• Charette
  - Approximately 80 people attended Charrette
  - The Media attended
    o A report on the Charrette aired on 9/27
  - Attendees were very supportive of the process, engaged, and provided excellent input
What we learned from the Charette

- “Leave it alone”
  - Minor support

- “To close or not to close” Farmingdale
  - Support favoring to keep Farmingdale open

- One Way Operation
  - About twice as many mentions supporting as opposing
Background

What we learned from the Charette

- The Residents wanted the following:
  - Address the speeding issues
  - Eliminate the cut through traffic from the crossings
Speeding Issues

- Speeding will be present in the future:
  - Roadway characteristics
  - Driver behavior
- Solution:
  - Install speed tables at the request of many residents
Northbound One Way

- McMahon:
  - Collected traffic data
  - Analyzed data using traffic simulation software
## One Way Operation

- **Analysis**
  - Compare Phase 1 to 1-Way NB IMP

### Measures of Effectiveness

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Day Type</th>
<th>Weekday Morning Peak Hour</th>
<th>2017</th>
<th>2027 [Design Year]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Existing</td>
<td>No-Build</td>
<td>Phase 1</td>
</tr>
<tr>
<td>Total Network Delay (hrs)</td>
<td>2017</td>
<td>19</td>
<td>29</td>
<td>29</td>
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<tr>
<td>Total Travel Time</td>
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<td>71</td>
<td>71</td>
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<tr>
<td>Average Speed (mph)</td>
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<td>20</td>
<td>20</td>
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<td>Stops/Veh</td>
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<td>0.30</td>
<td>0.32</td>
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<td>Stops (#)</td>
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<td>1968</td>
<td>2345</td>
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<tr>
<td>Performance Index</td>
<td>2017</td>
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<td>35.4</td>
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<tr>
<td>Total Travel Time</td>
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<tr>
<td>Average Speed (mph)</td>
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</table>

(1) Movement operates at free-flow conditions.
Phase 1 = Left Turn Restriction from Farmingdale to Marietta AND AWSC at Farmingdale/Oreville
One-Way NB Improvements Scenario includes installation of a traffic signal at Good/Oreville ~ WB & SB Right Turn Lanes at Marietta Ave & Good Dr; One-Way SB Improvements Scenario includes installation of WB right turn lane on Marietta Ave © Good Dr
One Way Operation

• Northbound was chosen because:
  
  – Eliminated Cut-Though traffic from the Crossings

  – Redirected Cut Through traffic to collector roadways
Improvements

Good Drive and Oreville
Improvements

Marietta Ave and Good Drive
Improvements

Orville and Farmingdale: