12TH AVENUE (SH 45) SAFETY AND ACCESS STUDY

OCTOBER 2015 – SEPTEMBER 2016
STUDY CORRIDOR
- LAKE LOWELL/AMITY TO 7TH STREET SOUTH
STUDY TIMELINE

**Winter 2015 - Spring 2016**
- **Data Gathering**
  - **Interview Stakeholders**
  - **Conduct Existing Conditions Inventory**
    - Crash data
    - Traffic volumes
    - Bike and pedestrian volumes
    - Access
    - Connectivity
  - **Review Design Guidelines**
    - City of Nampa
    - Idaho Transportation Department
    - National Design Standards

**Spring 2016**
- **Safety Improvements**
  - **Identify Areas of Safety Concern**
  - **Develop Improvement Recommendations**
  - **Gather Public Input**
  - **Refine and Prioritize Improvements**
  - **Prepare Safety and Access Report**

**Tonight's Meeting**

**Summer 2016**
- **Study Completion**

Once finalized, the City and ITD can plan and program projects to improve the corridor, as funding allows.
CRASH DATA - 2010 TO 2014

- 238 total crashes (47+ per year)
- 145 personal injuries (29 per year)
- 19 serious injuries
- 1 fatality

- Of the 238 crashes, 8% (19) involved bicyclists or pedestrians
- Of the serious injuries, 25% (5) involved bicyclists or pedestrians
- The 1 fatality was a pedestrian

25,000+ vehicles per day
300+ pedestrian & bicycle crossings per day between Dewey and Lincoln
PUBLIC OUTREACH

1. One-on-one or small-group interviews with approximately 30 business owners/managers along the corridor

2. Public Information Meeting with 26 attendees, 16 comment forms submitted

What We Heard

WHAT WORKS WELL

• Existing speed limit
• Number of lanes
• Two-Way Left Turn Lane provides half-way point for pedestrians and bicyclists

WHAT DOESN’T WORK WELL

• Left turns
• Pedestrian and bicycle crossings
• Unsafe use of Two-Way Left Turn Lane
• Speeding vehicles
• Roosevelt curve
• High number of crashes
CONSTRUCTION PROJECTS

1. Install one HAWK at Sherman Avenue and construct a Center Median from Sheridan Avenue to Lincoln Avenue

2. Install the second HAWK at 11th Avenue South

Note: Estimated cost of median design & construction equals Nampa’s match requirements
SAFETY AND ACCESS ISSUES

- 97 Total driveway accesses (7+ per city block)
- 21 of these (red dots) do not have current ITD permits; most lie between Sherman and Lake Lowell/Amity
SAFETY OUTCOMES

Dewey Avenue to Lincoln Avenue Islands and Sherman HAWK

- Total 2010 to 2014 Crashes = 60
- Estimated Reduction after construction = Down to 20

11th HAWK

- Total 2010 to 2014 Crashes = 18
- Estimated Reduction after construction = Down to 7
RECOMMENDATIONS

• Adopt the 12th Ave Safety Study

• Authorize engineering to hire design of Sheridan Avenue to Lincoln Avenue medians
### Improving Safety

<table>
<thead>
<tr>
<th>Goals</th>
<th>Guiding Principles</th>
<th>Solutions</th>
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<tbody>
<tr>
<td>Improve Bike and Pedestrian</td>
<td>Make 12th Avenue safer to cross</td>
<td>- Identify future signalized intersection location</td>
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<tr>
<td>Safety</td>
<td></td>
<td>- Install 2 pedestrian crossing signals</td>
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<tr>
<td>Reduce Crashes</td>
<td>Increase driver anticipation</td>
<td>- Implement commercial driveways</td>
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<td></td>
<td>Reduce conflict points</td>
<td>- Add landscape buffers, curb stops &amp; improve parking layout</td>
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<td></td>
<td>Increase sight distance</td>
<td>- Improve curve at Roosevelt</td>
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<tr>
<td></td>
<td></td>
<td>- Reduce number of left turns</td>
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<td>- Evaluate landscaping and sign locations during re-development</td>
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12th Avenue Safety & Access Study

April 2016
<table>
<thead>
<tr>
<th>Priority Project</th>
<th>Project Segment Description</th>
<th>Budget</th>
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<tbody>
<tr>
<td>Ongoing A</td>
<td>Improve Sight Distance Issues</td>
<td>N/A (varies per location)</td>
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<tr>
<td>Ongoing B</td>
<td>Improve and Consolidate Driveway Approaches / Landscape Buffers</td>
<td>N/A (varies per location - approx. $10,000/driveway)</td>
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<tr>
<td>1</td>
<td>Install PHB at Sherman Ave and Median from Sheridan Avenue to Lincoln Avenue</td>
<td>$380,000 *</td>
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<tr>
<td>2</td>
<td>Install PHB at 11th Street South</td>
<td>$291,000 *</td>
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<tr>
<td>3</td>
<td>Install Median from Lake Lowell Avenue to Sheridan Avenue</td>
<td>$110,000</td>
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<tr>
<td>4</td>
<td>Install Median from 10th Street South to 7th Street South</td>
<td>$110,000</td>
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<tr>
<td>5</td>
<td>Improve Curve in 12th Avenue, Realign Roosevelt Avenue, and Install Median from Lincoln Avenue to 13th Street South</td>
<td>$1,080,000</td>
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<tr>
<td>6</td>
<td>Install Median from 13th Street South to 10th Street South</td>
<td>$110,000</td>
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<tr>
<td>7</td>
<td>Install Traffic Signal (as Warranted) at 13th Street South Intersection</td>
<td>$500,000</td>
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<tr>
<td>8</td>
<td>Upgrade Street Lighting along the Corridor</td>
<td>$320,000</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$2,901,000</strong></td>
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12th Ave. Safety and Access Study
Priority Project 1 - Install PHB at Sherman Ave and
Median from Sheridan Ave to Lincoln Ave

Image Taken June 2016
12th Ave. Safety and Access Study
Priority Project 6 - Install Median from 13th St South to 10th St South