**Preferred Alternative**

**Alternative 2A**
- One travel lane, one loading lane, separated bike lanes
  1. Single travel lane south of Somerville Avenue on southbound Mass Ave
     - Removes second southbound through lane before Somerville Avenue
  2. Creates approximately six spaces for loading south of Upland Road
     - Design Challenge—loading spaces cannot become metered spaces unless overhead wires and median are removed
     - Trade-off: Creates an additional 3–5 minutes of delay for transit riders and drivers

**Alternative 2B**
- One travel lane, bus lane with part-time loading, separated bike lanes
  1. Single travel lane south of Somerville Avenue on southbound Mass Ave
     - Removes second southbound through lane before Somerville Avenue
  2. Provides peak-hour bus lane between Porter Road and Roseland Street
  3. Creates approximately six spaces for off-peak loading south of Upland Road
     - Design Challenge—loading spaces cannot become metered spaces unless overhead wires and median are removed
     - Trade-off: Creates an additional 3–5 minutes of delay for transit riders and drivers
     - Bus lane will not offset delay
     - Bus lane does not serve location where delay occurs
     - Same delay impacts as Alternative 2A

**Alternative 3**
- Dedicated bus lanes in both directions
  1. Provides dedicated bus lanes in both directions on Mass Ave
     - Bus lanes improve travel times and reliability when implemented correctly
     - Our analysis shows all of Mass Ave north of Harvard Square would benefit from additional bus priority
     - However, bus lanes only from Beech Street to Roseland Street do not provide intended benefit
     - Creates new traffic bottlenecks north and south of Porter Square
     - Connections to other facilities are needed so buses can avoid "spillover" congestion (i.e., Harvard Square Bus Tunnel, North Cambridge bus lanes)
     - We can fully evaluate bus lanes as the Mass Ave 4 projects proceed, including an evaluation of bus lanes in Porter Square

**Preferred Comparison**

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Congestion and Traffic is Unaffected by Project</th>
<th>Increases Delay Without Addressing Transit Needs</th>
<th>Increases Delay Without Addressing Transit Needs</th>
<th>Increases Delay Without Addressing Transit Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred Alternative</td>
<td>Alternative 2A</td>
<td>Alternative 2B</td>
<td>Alternative 3</td>
<td>Alternative 3</td>
</tr>
<tr>
<td>Preferred Alternative</td>
<td>No Loading or Parking on Mass Ave south of square</td>
<td>Loading between Upland Road and Roseland Street throughout the day</td>
<td>Loading between Upland Road and Roseland Street during certain hours</td>
<td>Loading between Upland Road and Roseland Street during certain hours</td>
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</tbody>
</table>