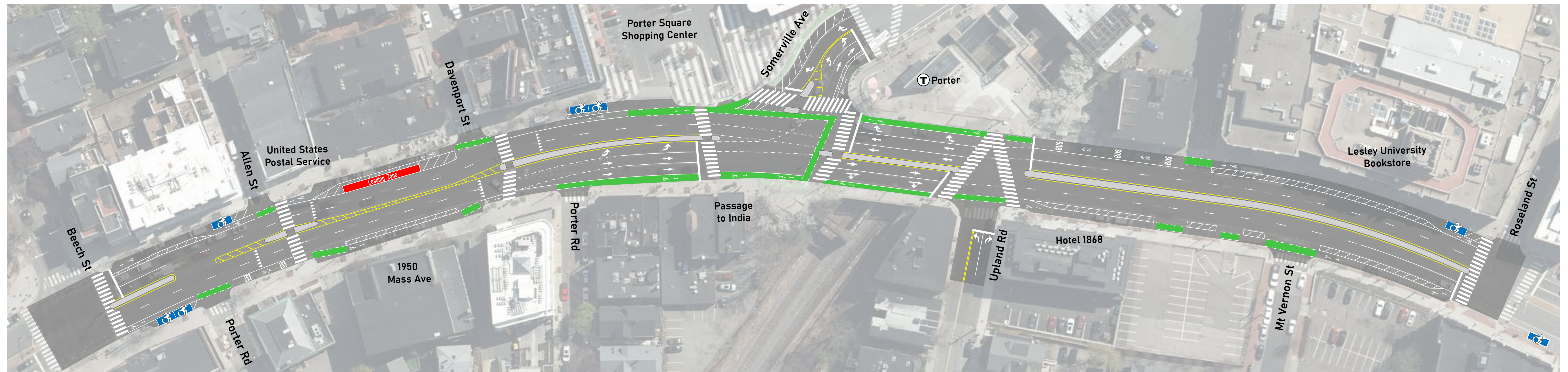
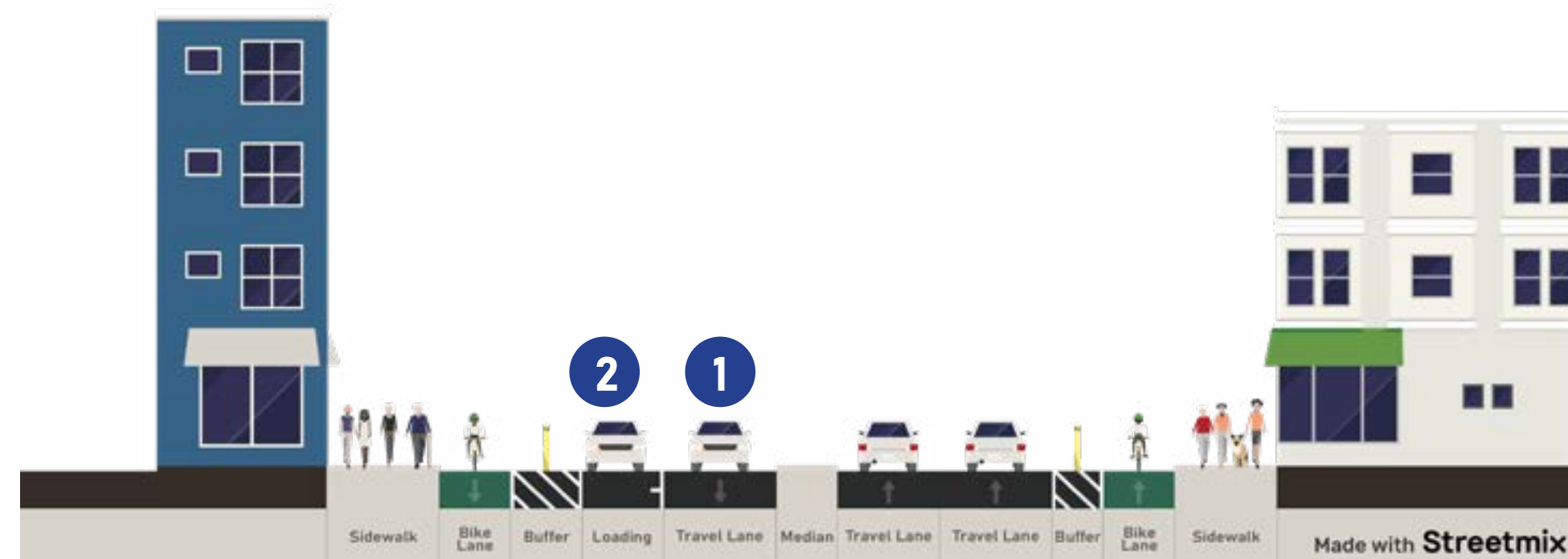


Preferred Alternative

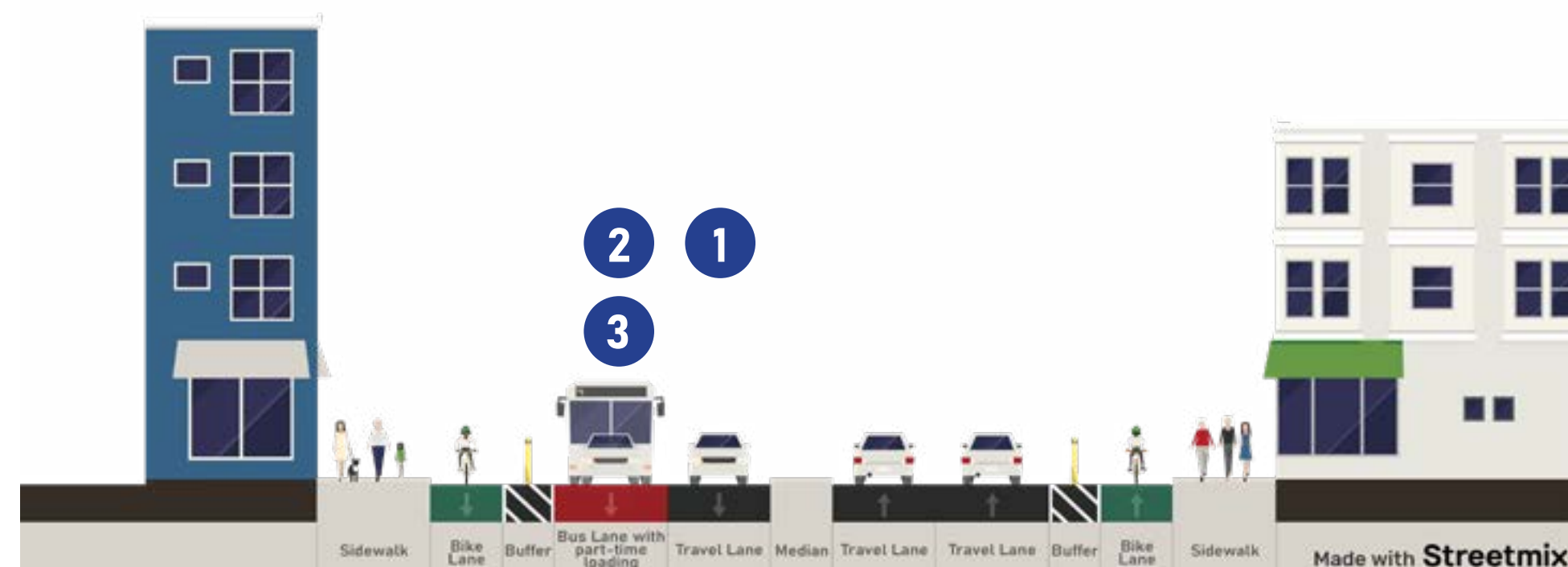


Alternative 2A ▶ One travel lane, one loading lane, separated bike lanes



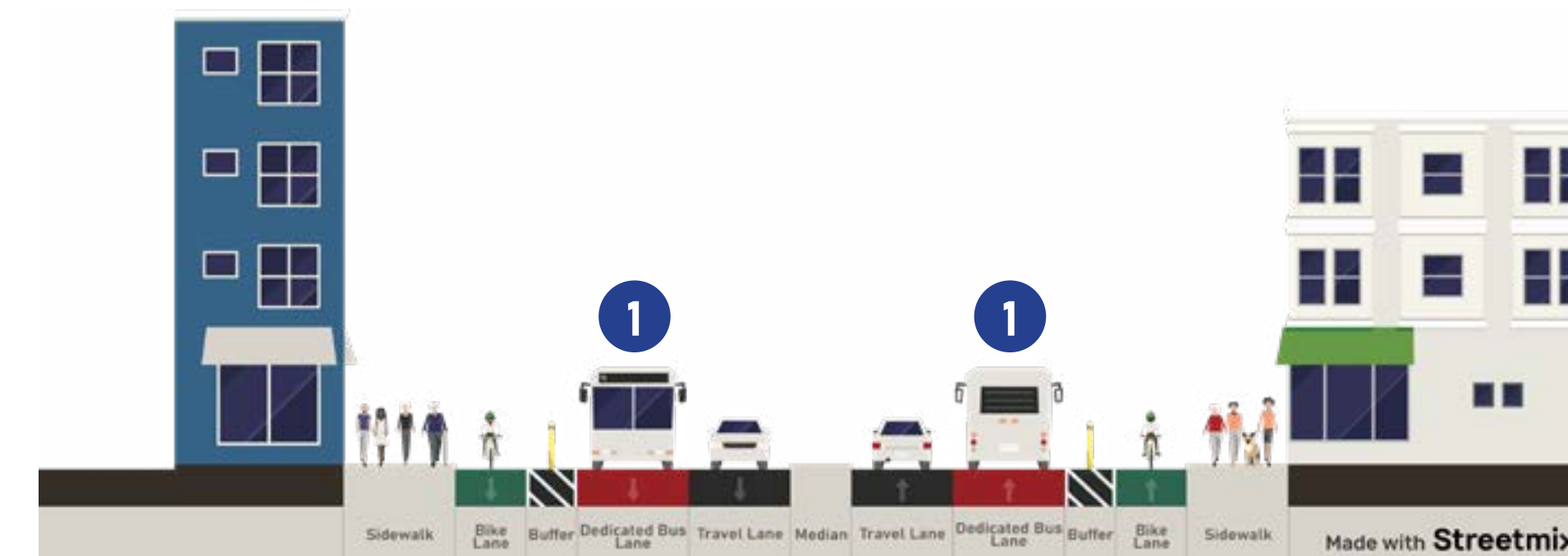
- 1 Single travel lane south of Somerville Avenue on southbound Mass Ave
 - Removes second southbound through lane before Somerville Avenue
 - 2 Creates approximately six spaces for loading south of Upland Road
 - Design Challenge—loading spaces cannot become metered spaces unless overhead wires and 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

Alternative Comparison

Preferred Alternative	Alternative 2A	Alternative 2B	Alternative 3
Congestion and traffic is unaffected by project	Increases delay without addressing transit needs	Increases delay without addressing transit needs	Increases delay without addressing transit needs
No Loading or Parking on Mass Ave south of square	Loading between Upland Road and Roseland Street throughout the day	Loading between Upland Road and Roseland Street during certain hours	Loading between Upland Road and Roseland Street during certain hours