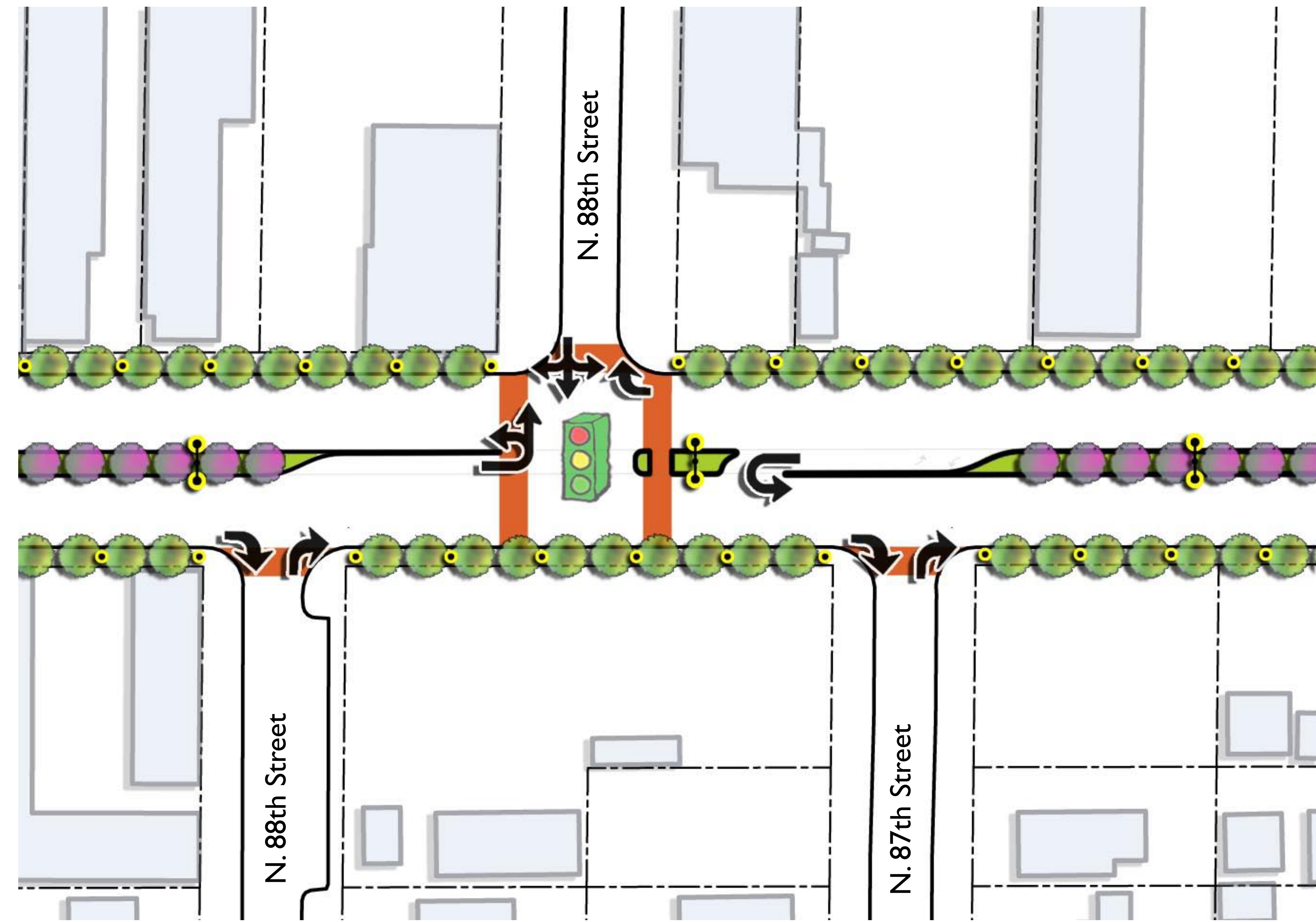


Intersection Concepts

N. 88th Street Intersection (new signalized intersection)



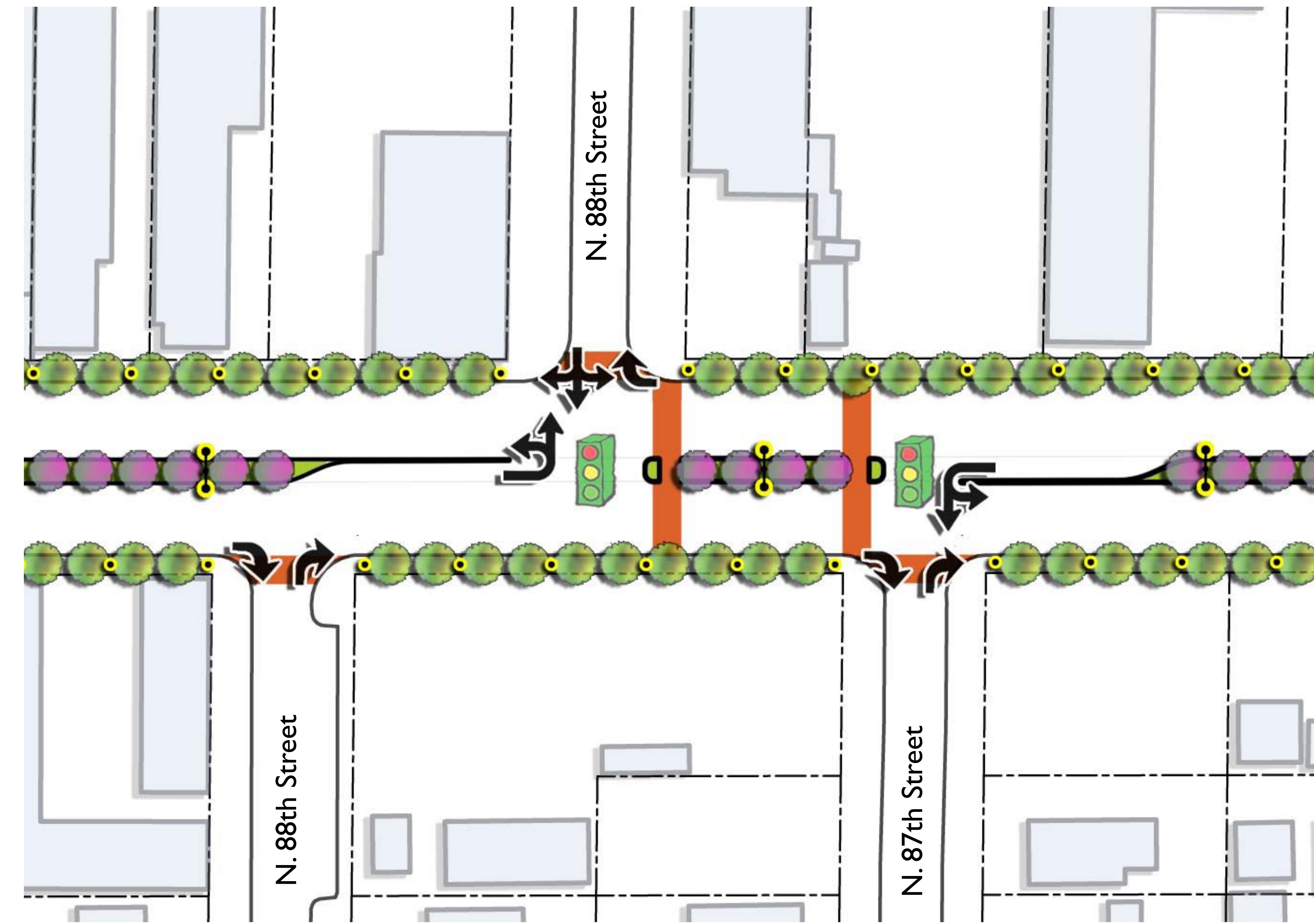
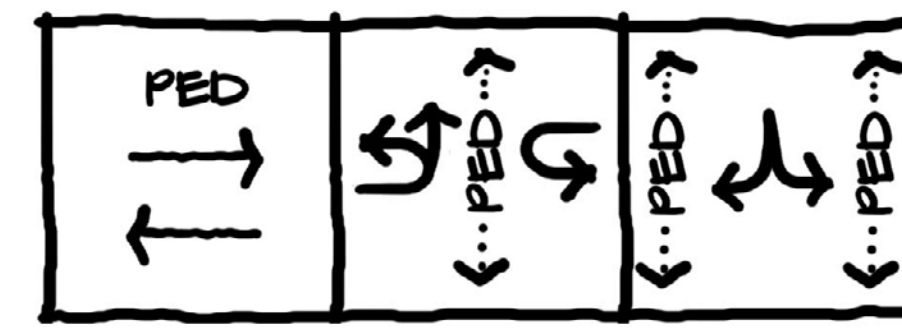
Concept A - Basic

Pros

- Full access to N. 88th (east) street
- Left turn phase provides lead phase for ped crossing (south leg)
- Crossing island for south ped crossign on Aurora

Cons

- Rights only at 87th and 88th Streets (west)



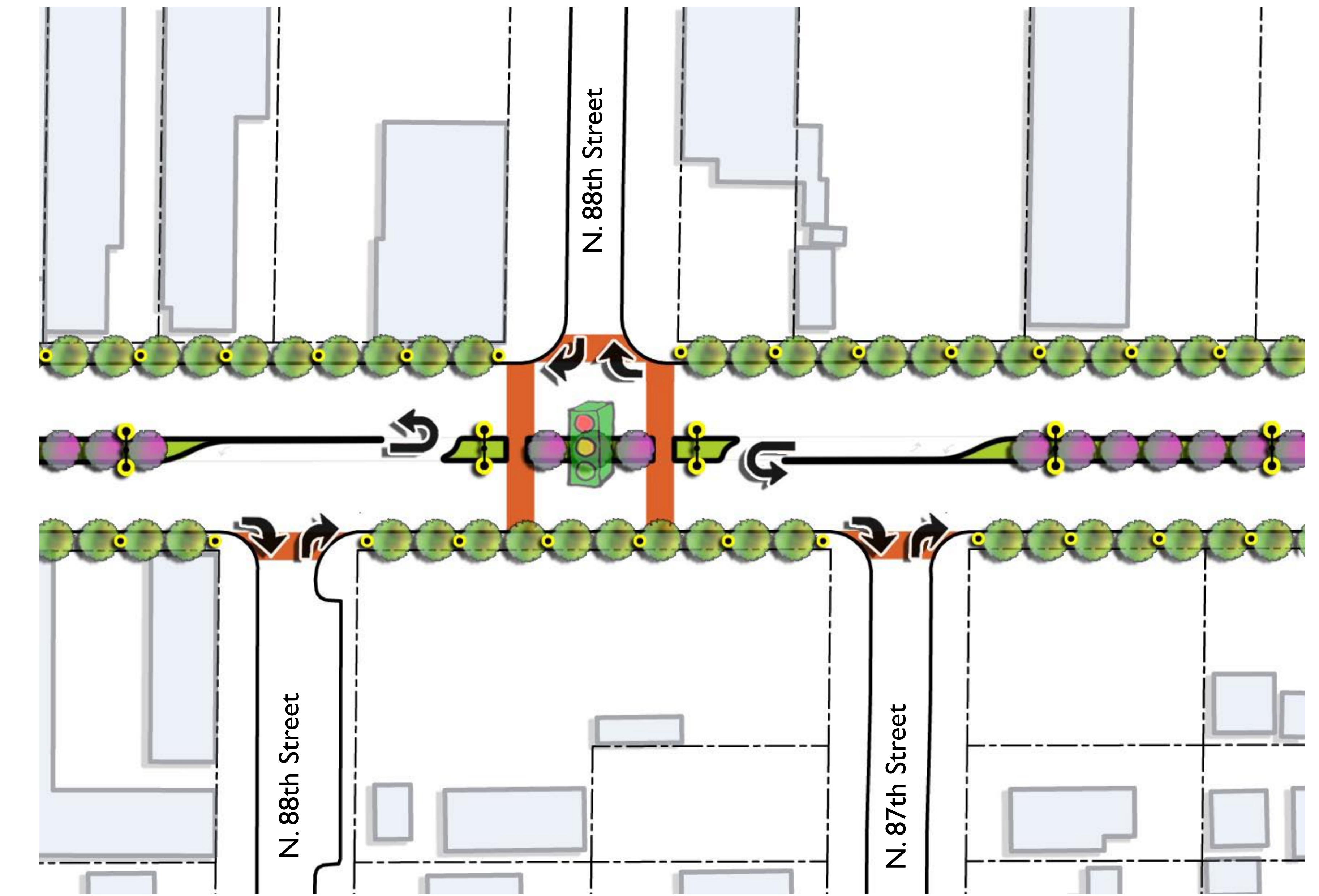
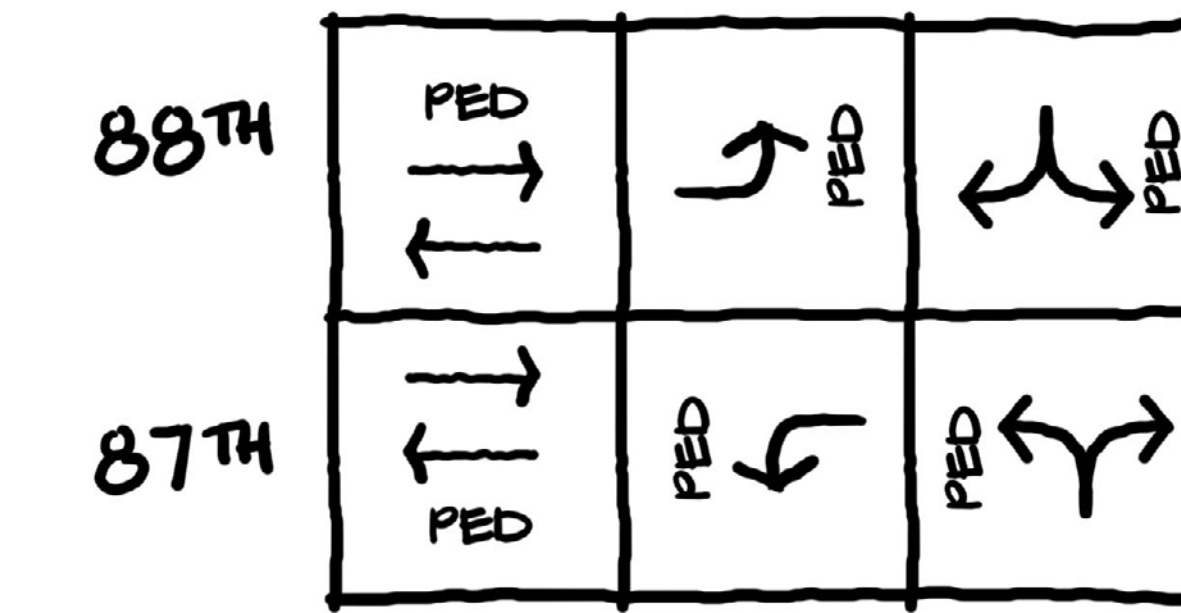
Concept B - Offset Signals

Pros

- Crossing island for peds
- Left turn phase provides lead phase for ped crossing
- Full access for 87th and 88th (east) streets

Cons

- EB/WB must yield to peds
- Requires inter-tie of the signals (1 controller)



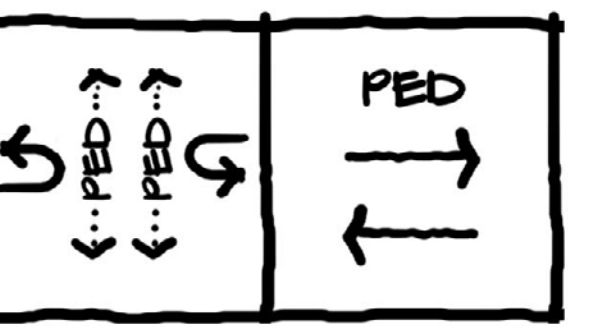
Concept C - U-turn Island

Pros

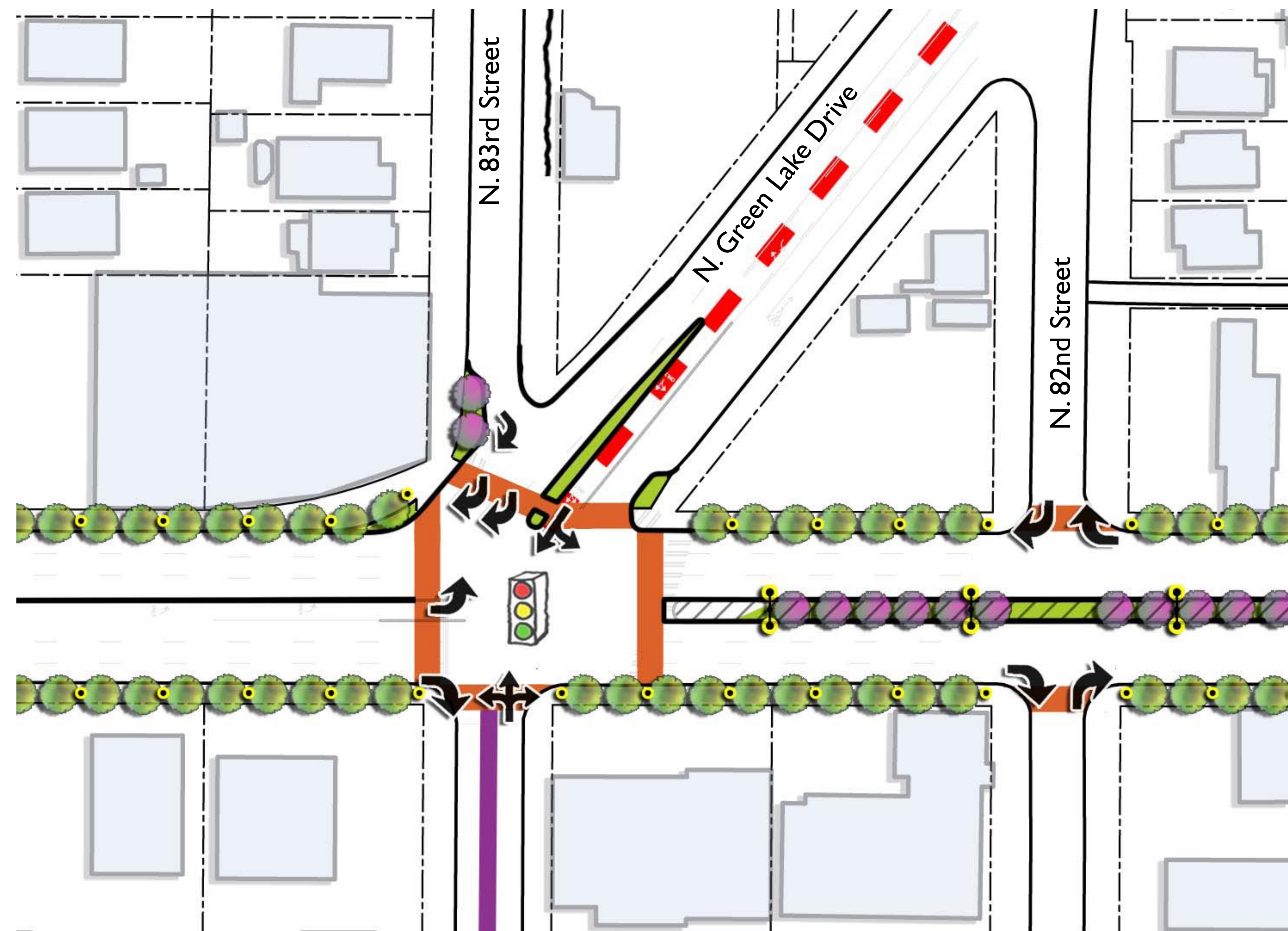
- Protected ped phase without yielding vehicles
- Minimizes signal phases
- Maximum greening of the median

Cons

- Loss of left turn access in/out on N. 88th (east)
- Long u-turn phase (equal to ped x-ing time)
- Right turns only from side streets



N. Green Lake Drive (existing signalized intersection)



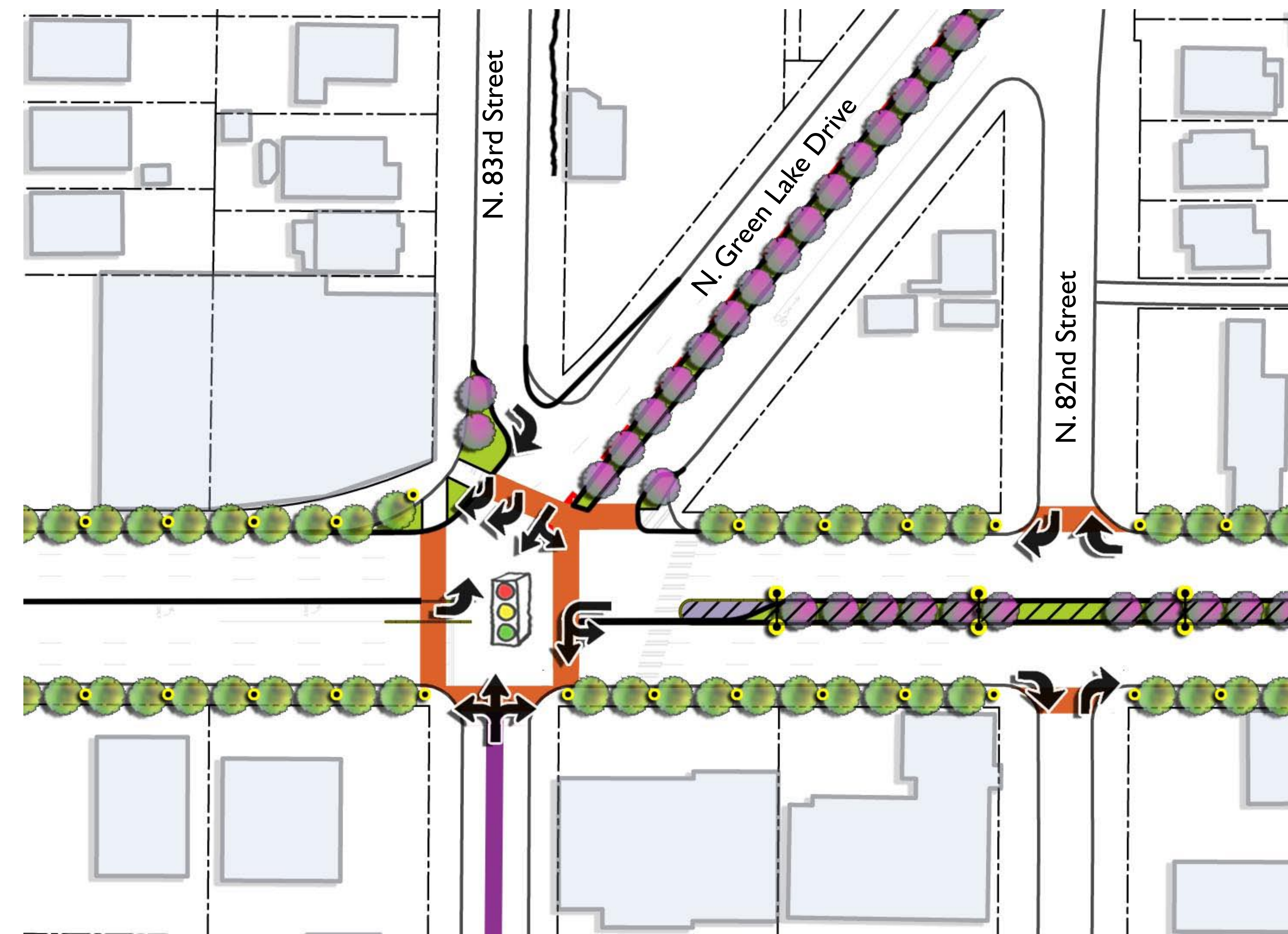
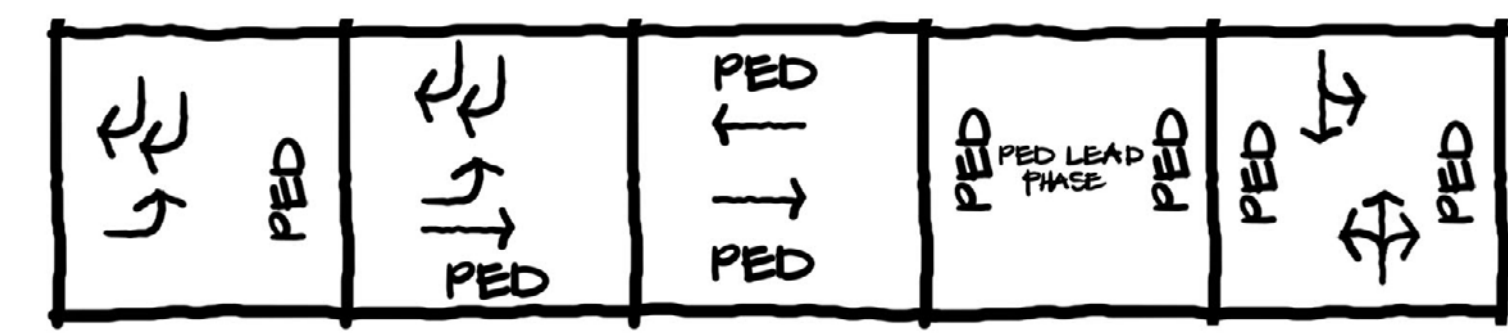
Concept A - Basic

Pros

- Better for peds, cleaner intersection

Cons

- Doesn't address 85th Street northbound left turn pocket
- No ped crossing island on Aurora



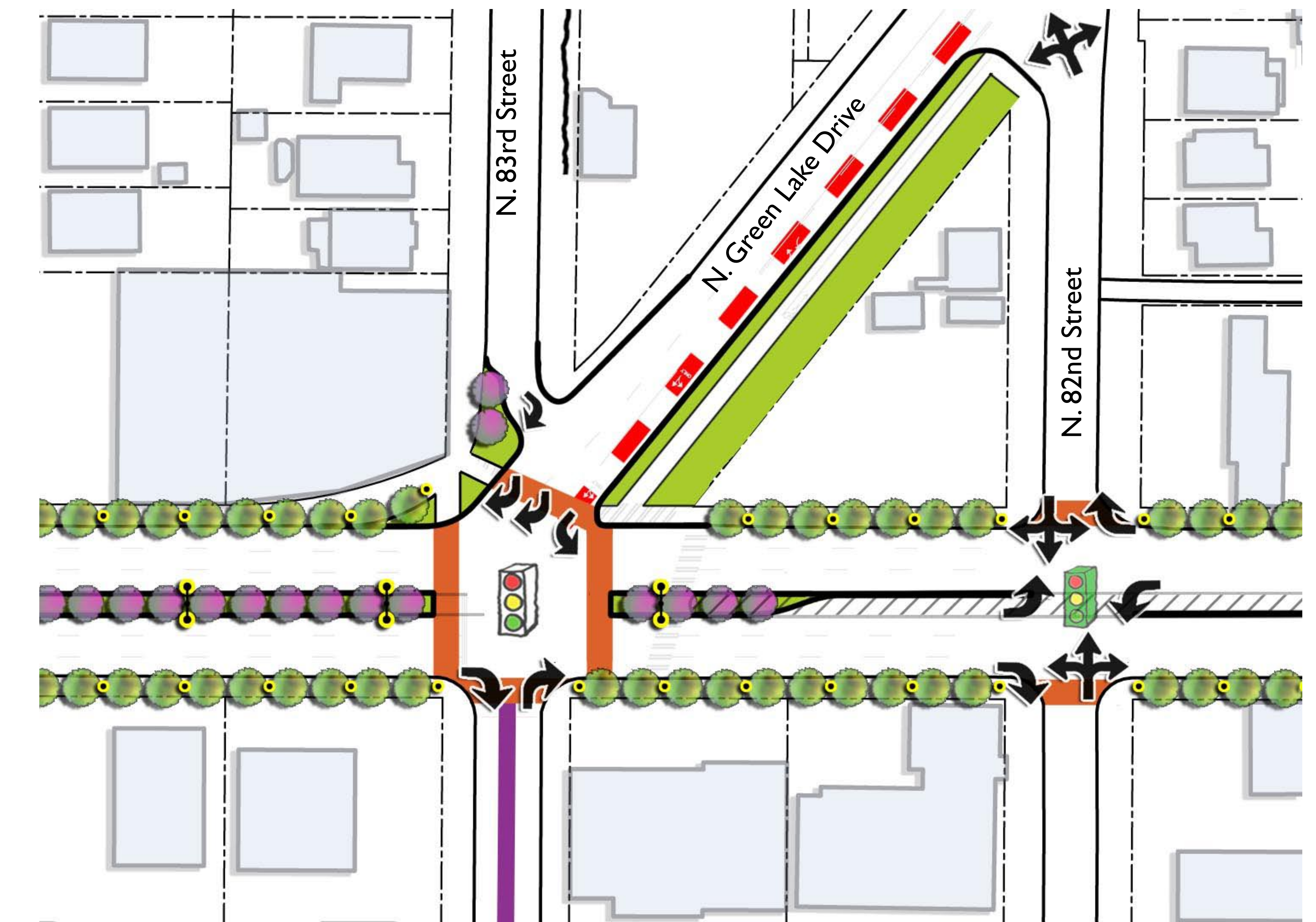
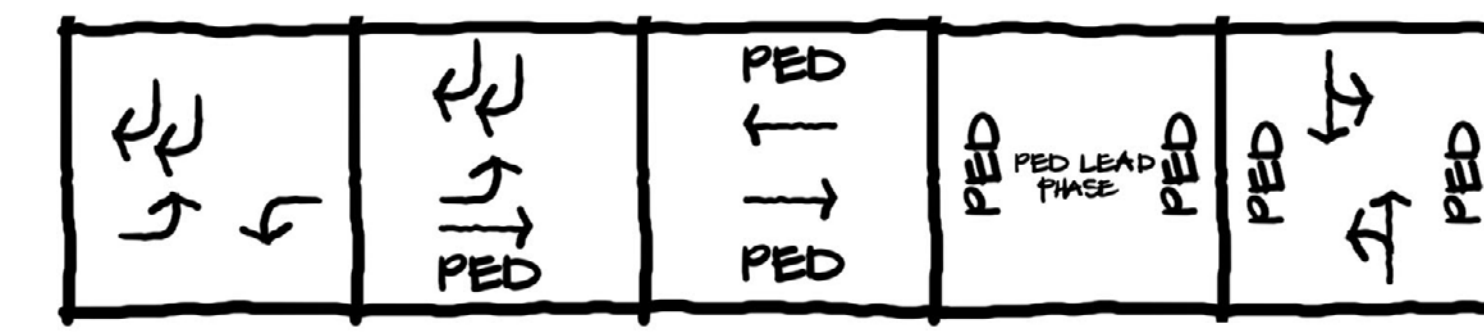
Concept B - Box & Island

Pros

- Shorter crossing distances for peds
- Keeps full access for eastbound 83rd

Cons

- Doesn't address 85th Street northbound left turn
- Peds may be trapped on island



Concept C - Triangle

Pros

- Allows longer left turn pocket for northbound 85th Street
- Eliminates N. 83rd westbound right lane
- Moves south crosswalk to square up intersection

Cons

- Higher cost
- Impacts on residential on N 82nd Street
- Potential impact of new signal

