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 (north leg)
- Crossing island for south ped crossing on Aurora
Cons
- Rights only at 87th and 88th Streets (west)

Concept B - Offset Signals
Pros
- Crossing island for ped
- 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