

Public Works Department Engineering Division

Greenvale/ECFE, St. Olaf Student Housing and Kraewood

Traffic Impacts August 19, 2021



Public Works Department Engineering Division



Recent Projects & Proposed Development

- Greenvale Elementary and Early Childhood Family Education
- St. Olaf Student Housing
- Kraewood Development Proposed





City Review of Development Projects related to transportation/traffic/walking/biking

- Does the existing transportation network support the proposed development? Or is it driving changes or improvements to the network
- How is the growth in traffic/pedestrians and bikes supported or not supported with the existing infrastructure and proposed infrastructure.
- How do we support the City's Plans and goals? Such as the Climate Action Plan to improve the walking and biking network to reduce vehicles from needing to make trips.





Existing Transportation Network Traffic Volumes





Proposed Traffic Volumes with Greenvale Elementary & ECFE





Proposed Traffic Volumes with St. Olaf Housing





Proposed Traffic Volumes with Kraewood Development Proposal





Combined Traffic Volumes From All Recent Development Proposals





Existing Transportation Network Intersection Level of Service



Northfield Proposed Intersection Level of Service with Greenvale Elementary & ECFE



Northfield Minnesota Proposed Intersection Level of Service Public Works Department Engineering Division with St. Olaf Housing



Northfield Combined Intersection Level of Service Public Works Department Winnesota With Kraewood Development Proposal





Walking and Biking for Kraewood Development

- Completion of the sidewalk gap on the south side of Lincoln Parkway
- Sidewalk proposed on both sides of the streets within the development
- Elementary School crosswalk being relocated to the east side of the bus drop
- Biking will be on-street for the more experienced bikers and younger children will bike on the sidewalks





Public Hearing Comments

- It isn't safe to cross Lincoln Parkway when crossing guards aren't present
- Speeding on Lincoln Parkway
- Adverse traffic impacts on surrounding network





- The existing transportation network support the growth from these projects.
- The local network south of Greenvale Avenue on streets such as Plum Street and Orchard Street are likely to see a change of less than 5%, primarily due to school traffic changes.
- The surrounding intersection continue to operate a level of service B or better, indicating no changes or modifications need to be made.
- The sidewalk gaps proposed to be filled in by Kraewood Development support the City Pedestrian/Bike/Trail System Plan.





Pedestrian Crossing Lincoln Parkway and the proposed Lincoln Parkway Bikeway

- Staff recommends the Lincoln Parkway Speed, Bikeway and Improved Pedestrian crossing be studied in 2022
- Recommendation from the study be incorporated into a future City Capital Improvement Plan.





Public Works Department Engineering Division

Questions

