

## **Vilas Park Drive Traffic Plans**

### **Prepared by Traffic Engineering**

The rough conceptual drafts described below and attached to the legislative file are intended to better inform the conversations around the Vilas Park Drive issue and should not be viewed as final plans or fully ready for installation. The information is intended to inform the public and the Board of Park Commissioners of work that has been considered, potential cost impacts, and likely trade-offs as it relates to making a determination for the future of Vilas Park Drive. Alternative 2 has a winter cost estimate based on a request from the Alder to do so. This setup would create maintenance challenges, but there are fewer unknowns than with the Alternative 1 setups. Alternatives 1a and 1b do not have a winter cost associated as staff does not feel those should be implemented during the winter without significantly more effort to understand and plan for the appropriate maintenance of the Drive. Having any consistent barriers along the Drive does create a significantly different maintenance process in comparison to the existing operational plans.

#### **Alternative 1a – Create a 12’ to 18 separated space for people walking and biking**

- Continue current one-way motor vehicle travel to allow for access to shelter and other park amenities
- Would not eliminate people driving through the park
- Eliminates the lakeside parallel parking
- Provides separated space for people walking and biking for more of the street
- Uses delineators to provide separation from motor vehicles (not barrels as shown in graphic)
- Increases width of space from shelter parking lot to bridge to allow for more physical distancing and more room for people walking/biking to share the space
  - Cost for warmer weather implementation
    - Remove 2000 LF of old double yellow contra-flow marking - \$4,000
    - Install 2000 LF of new double yellow (12’-18’ from curb) - \$2,500
    - Install 167 delineators (12’ spacing-12’ from Curb) - \$6,000
    - Install a few extra signs(not much needed as traffic flow same) - \$500
    - Total=\$13,000

#### **Alternative 1b – Create a 12’ separated space for people walking and biking**

- Continue current one-way motor vehicle travel to allow for access to shelter and other park amenities
- Would not eliminate people driving through the park
- Keeps the lakeside parallel parking
- Provides separated space for people walking and biking for more of the street
- Uses delineators to provide separation from motor vehicles (not barrels as shown in graphic)
  - Cost for warmer weather implementation
    - Remove 2000 LF of old double yellow contra-flow marking - \$4,000
    - Install 2000 LF of new double yellow (12’ from curb) - \$2,500
    - Install 167 delineators (12’ spacing-12’ from Curb) - \$6,000
    - Install a few extra signs(not much needed as traffic flow same) - \$500
    - Total=\$13,000

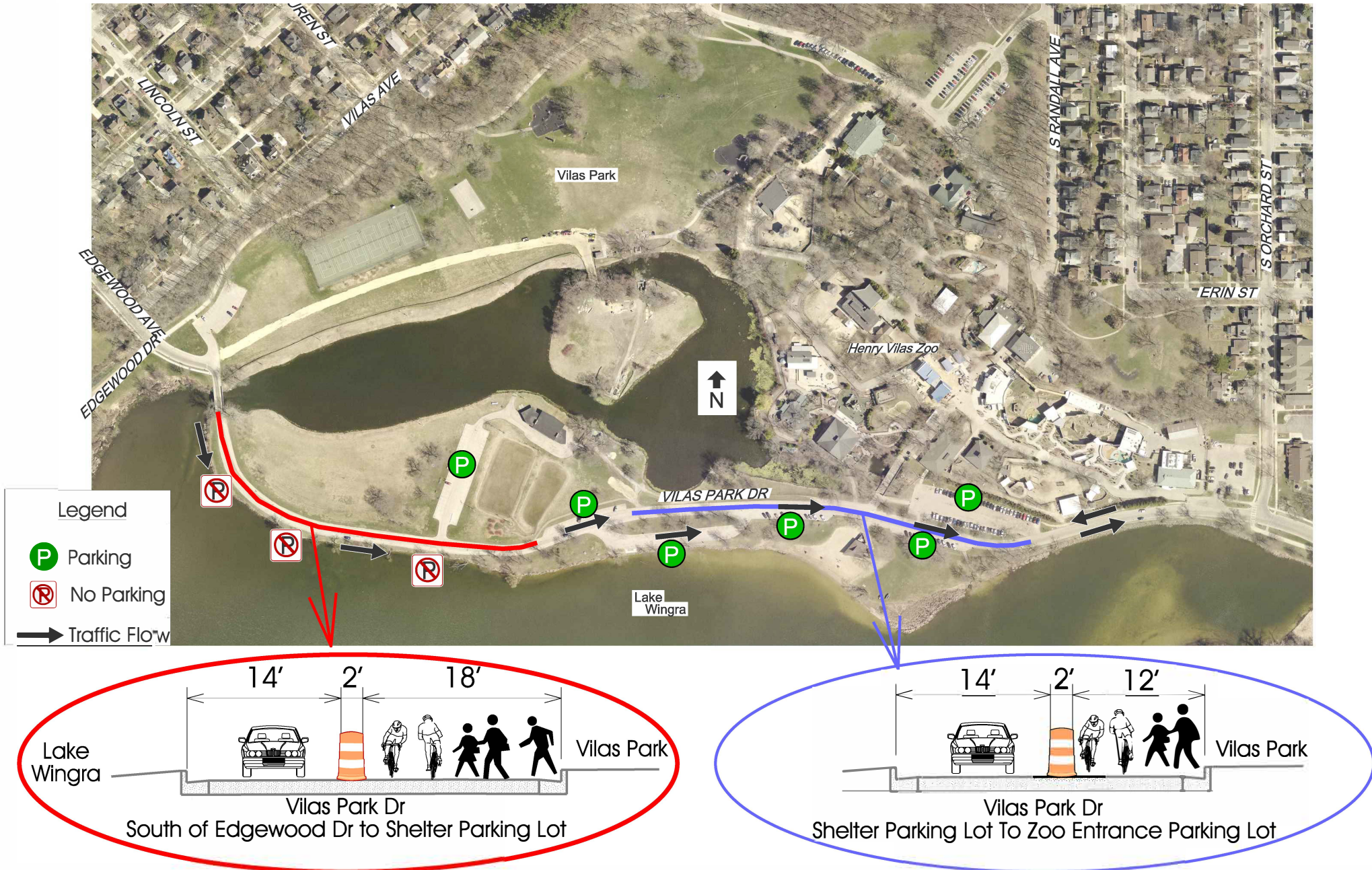
## **Alternative 2 – Allow two-way traffic from Orchard St parking lot to shelter parking lot**

- Change current one-way traffic to two-way traffic west of Orchard St parking lot to allow people driving access to the shelter
- Continue street closure from shelter parking lot to Edgewood Ave (west end of bridge) to provide protected space for people walking and biking
- Eliminates people driving through the park; until people and mapping apps adjust to new configuration there could be additional traffic on neighborhood streets
- Street is narrow for a two-way street in the sections without parking (the 11' includes the gutter which varies in width)
- People biking and driving share the travel lane until west of shelter parking lot
- People walking would use the 6' lane that would be protected with delineators (included in summer cost estimate only) until west of shelter parking lot. In the winter people would walk facing traffic like streets without sidewalks.
- Plan includes enough signage and markings to provide needed guidance to people driving, biking and walking as to the new traffic pattern. This is especially important with the lighting levels in the park.
- Winter cost estimate includes a minimum amount of marking removal and new markings to keep cost low given the need to use more expensive temporary markings.
  - Cost for winter implementation using temporary marking materials
    - Removal 600 LF of old double yellow contra-flow marking (both sides of the zoo entrance where street is narrowest only) - \$1,500
    - Install 1400 LF of double yellow - \$6,000 (\$3,000 to do an initial install and one reinstall using the temporary marking materials)
    - Install two-way traffic signage – \$2,000
    - Bicycle Sharrows – \$1,000 (\$250 per sharrow; 2 sharrows and remarking once)
    - No installation of white line to mark 6' for walking
    - No restriping of parking at beach
    - Total = \$10,500
  - Cost if do warmer weather implementation only
    - Remove 1400 LF of old double yellow contra-flow marking - \$2,800
    - Install 1400 LF of new 6" white lane marking (6' from curb) - \$1,400
    - Install 1400 LF of new double yellow - \$1,750
    - Install 12 Sharrows (6 @250' each direction) - \$3,000
    - Install two-way traffic signage - \$2,000
    - May need to restripe angle parking on either side of beach for a loss of parking. The new centerline pushes eastbound vehicles too close to back end of angled parking. The required back up space will not meet the MGO for angled parking with the new centerline - \$2,500
    - Install 167 delineators (12' spacing-12' from Curb) - \$6,000
    - Total=\$19,450\*

\*If there is winter installation, then cost for warm weather installation would be reduced by \$3,500 to account for the removal of 600 LF of old double yellow contra-flow marking and signage that would have already been done.

# TE Alt Concept 1a

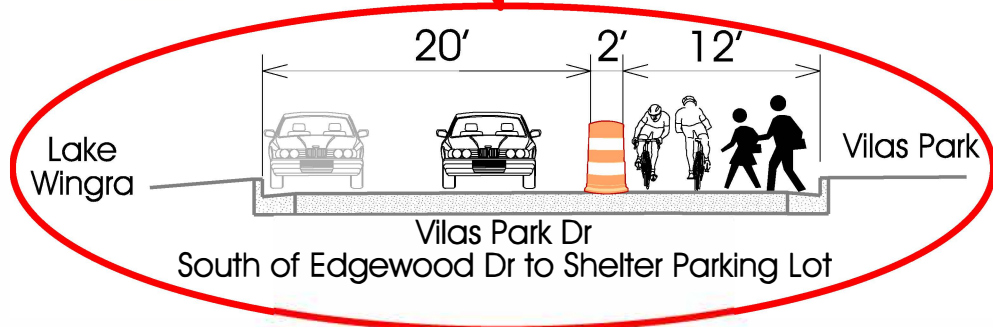
## Plan for Temporarily Widening Pedestrian/Bicycle Lane Along Vilas Park Dr Remove Lakeside Parallel Parking & Provide 18'/12' Ped/Bike Space



# Plan for Temporarily Widening Pedestrian/Bicycle Lane Along Vilas Park Dr Maintain Lakeside Parallel Parking & Provide 12' Ped/Bike Space



**Legend**  
P Parking  
→ Traffic Flow



# Plan for Closing West Portion of Vilas Park Dr to Motor Vehicle Traffic & Allowing Two-Way Traffic from Zoo Ent. Lot to Shelter Parking Lot

