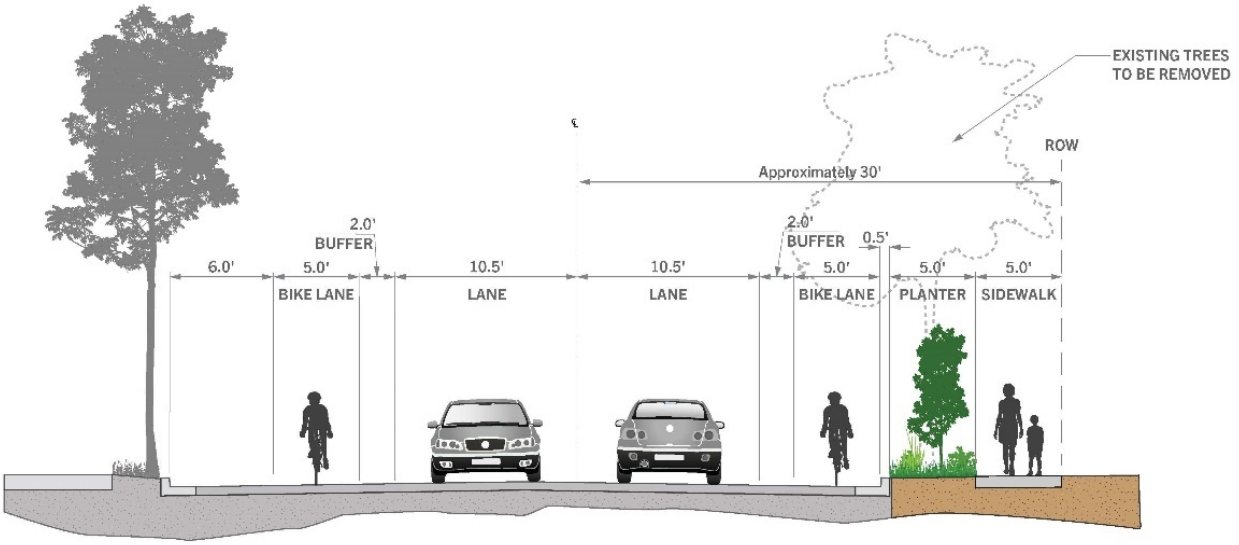
DESIGN ALTERNATIVES:

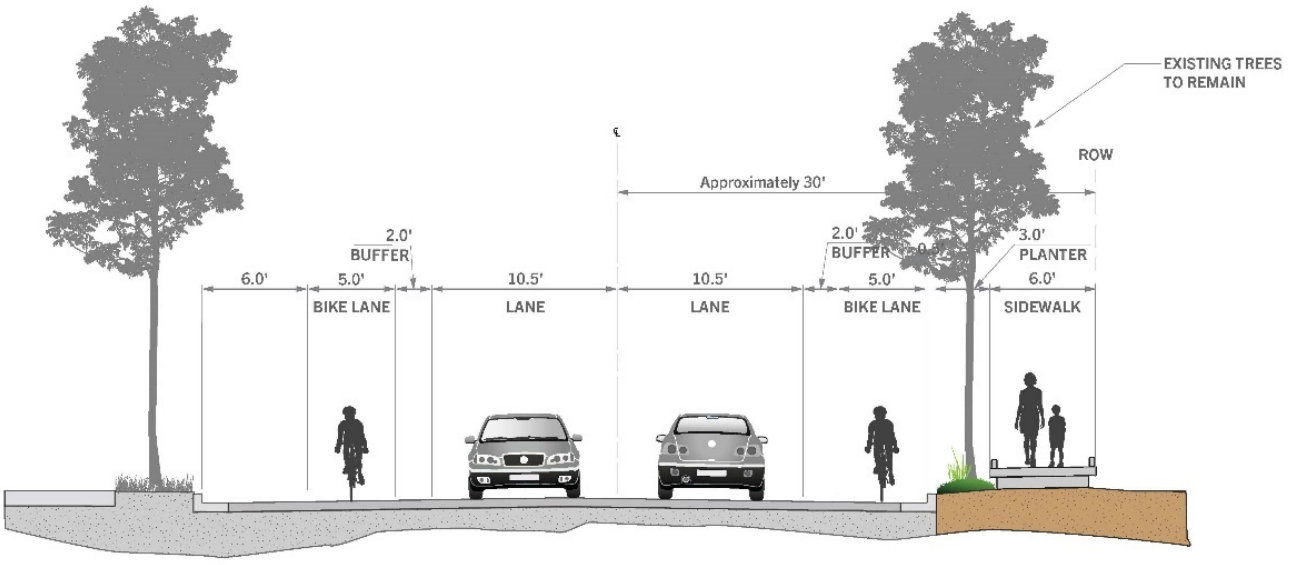
Alternative 1 – Remove and replace trees/sidewalk:
Alternative 1 involves removing the existing street trees along 61st Ave NE between NE 190th ST and NE 197th ST where tree roots have extensively uplifted the adjacent sidewalk. Trees will be replaced at the same location, if possible, along with installation of trees elsewhere within the corridor where space allows, to reduce the overall tree loss along the corridor. Tree replacement would consist of trees that are more appropriate for the space available with root barrier to protect the new sidewalk.



TYPICAL ROADWAY SECTION
ALT 1

Pros	Cons	Total Estimated Cost (Phase 1 only)	Amount Over Budget
Lower Cost Option Replaces street trees with more appropriate species with root barrier along new sidewalk Lowest maintenance requirement High ADA accessibility Lowest impact to public during construction Long term solution	All fully grown street trees will be removed and replaced with small caliper trees that will take a decade to grow back Loss of environmental benefits that large trees provide until new trees grow Loss of street beautification in the short term	$1,950,000	$381,000

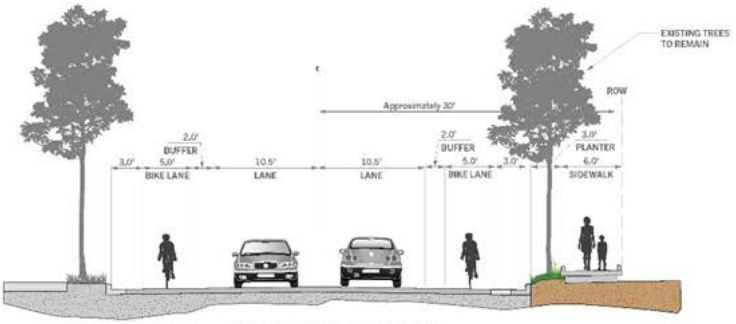
Alternative 2 – Bridge sidewalk over tree roots:
Alternative 2 involves preserving existing street trees as much as possible by bridging over the tree roots. In some locations, tree removal will be required to maintain accessibility, provide access to private properties, and stay within available public right of way. This alternative is less desirable for wheelchair access due to the ramping up and down along the sidewalk path.



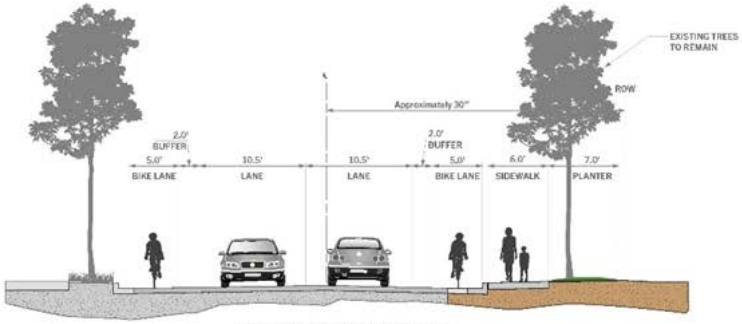
TYPICAL ROADWAY SECTION
ALT 2

Pros	Cons	Total Estimated Cost (Phase 1 only)	Amount Over Budget
Retains as many existing street trees as possible	Higher cost option Higher maintenance impact, especially maintaining ramps over roots Low ADA accessibility Uncertain if all street trees can be saved during construction Likely not a long-term solution and may require future tree removal or changes to the bridge system	$3,458,000	$1,889,000

Alternative 3 – Bridge sidewalk over tree roots AND relocate sidewalk into street, where possible: Alternative 3 involves relocating the sidewalk into the existing street paved area where possible. This alternative would require modification to the existing storm drainage infrastructure and curb alignment, potential utility relocation, and possibly tree removal if root structures in roadway cannot be avoided during construction.



TYPICAL ROADWAY SECTION
ALT 3



TYPICAL ROADWAY SECTION
ALT 3

STREET VIEW RENDERING:
NEW CURB AND SIDEWALK CONSTRUCTED IN EXISTING PARKING AREA

Pros	Cons	Total Estimated Cost (Phase 1 only)	Amount Over Budget
Retains as many existing street trees as possible Lower maintenance impact	Higher cost option Less pedestrian comfort (pushes sidewalk closer to vehicles) Lower ADA accessibility Uncertain if all street trees can be saved during construction	$3,219,000	$1,650,000