Welcome

Brooklyn Boulevard Reconstruction Project
49th Avenue to Bass Lake Road
Brooklyn Boulevard Project Improvements

- Intersection improvements
- Reconfiguration of turn lanes
- Reconfiguration of frontage road
- Trail crossing improvements
- Reconfiguration of Xerxes Ave access

Stage 1 Construction (2018)

- Highway 100 ramp improvements
- Traffic signal addition

Stage 2 Construction (2019)
During construction there will be road closures and detours on 51st Avenue, Lilac Drive, Xerxes Avenue, and the Highway 100 ramps. Advanced road closure signage will be posted prior to the road closures and detour route signs will be installed. Local access will be provided to residents within the road closure areas. The 51st Avenue, Lilac Drive, and Xerxes Avenue closures will occur at the beginning of the project in August / September 2018 and the Highway 100 ramp closures will occur periodically during the 2018 and 2019 construction seasons.
Typical Sequence of Events

1. **Pavement removal**
   - The contractor will start by removing the existing pavement. The pavement will be either milled or removed with an excavator. The millings or fragments of pavement will be removed from the site in order for the contractor to begin excavation activities.

2. **Water main replacement**
   - The contractor will then excavate approximately 7 to 8 feet below the grade of the roadway to uncover the existing water main line. The contractor will place the new water main line and remove the old line. The contractor will reconnect water services as the new water main is placed. Some residents may be on temporary water service while the contractor works to place the new water main, and there may be period of water main shutdowns. Any water main shutdowns will require the contractor to alert impacted residents.

3. **Storm sewer replacement**
   - The contractor will excavate to remove the existing storm sewer and place new storm sewer. The depth of excavation will depend upon the depth of the storm sewer, which may range from 4 feet to 10 feet below the existing grade.

4. **Subgrade correction**
   - The next step will require the contractor to remove the existing subgrade and place sand and gravel to provide stability for the roadway before paving and concrete curb placement occurs.

5. **Curb and gutter**
   - When the subgrade is prepared, the contractor will begin placing the concrete curb and gutter. The curb and gutter will be placed on the outer edges of the roadway and within the medians and roundabouts. This will also include placement of the concrete driveway aprons. Concrete takes a few days to achieve the appropriate strength before vehicular can drive on it. This will mean residents will be contacted to temporarily park at another location to avoid driving on the fresh concrete.

6. **Asphalt placement**
   - Once the concrete has gained the appropriate strength, the contractor will begin placing pavement. The contractor will place the pavement in multiple lifts (levels) in order to get the required compaction of each lift. Often the final lift will not be placed until the sidewalks/ trail, landscaping, and turf have been placed. This is to prevent construction equipment from creating marks in the top layer of pavement.

7. **Sidewalk/trail placement**
   - This project includes an asphalt trail and a concrete sidewalk. The contractor will prepare the area with an aggregate layer below the sidewalk and trail sections and begin the paving operation.

8. **Landscape placement**
   - The contractor will be restoring the impacted areas with sod in most cases. This will require the placement of topsoil and sod. The contractor will be required to water the new sod, but it is important the residents also take appropriate care of the new sod.

9. **Final placement of asphalt pavement and striping**
   - The last step to complete the project is placement of the last lift of pavement and striping. The last lift of pavement will be accomplished after all the previous operations are complete. The contractor will then place the final striping and fully open to traffic.
49th Avenue Streetscape Improvements

- Larger Column (48" Ht.) at Corner
- Bench and Trash Receptacle at Bus Stop, typ.
- Bollard and Ornamental Fence, typ.
- Planting Area with Low Fence, typ.
- Ex. Oak Tree Removed
- Permanent Easement

KEY PLAN