



Minneapolis Central City
Tunnel System



Virtual Public Meeting

August 11, 2021



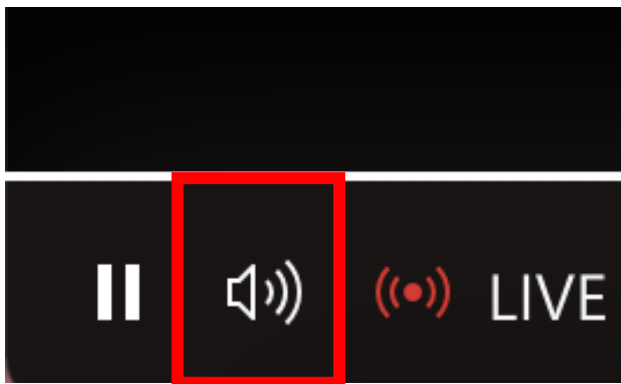
Teams Live Meeting

- This is a live meeting.
- Participants will not be able to talk/speak through their microphones or turn on their cameras during the meeting
- The live meeting will be recorded
- Call in using your phone:
 - **+1 612-276-6670**
 - **Conference ID: 884 718 817#**

Teams Live Meeting

If you have a hard time hearing, you can:

- Adjust the volume on the bottom left corner of the screen



or

- Turn on live captioning on the bottom right corner of the screen



Teams Live Meeting

- If you have a question/comment during the presentation, please type them in the Q&A box
- First click on the purple button on the bottom right
- It will ask you to provide your name and your question/comment

The screenshot shows the Microsoft Teams interface during a live meeting. The meeting title is "Minneapolis Central City Tunnel Virtual Public Meeting". The main content area displays the message "The live event hasn't started". On the right side, a "Live event Q&A" panel is open, showing a "No featured questions yet" message and a purple "Ask a question" button. The "Ask a question" button is highlighted with a red rectangle. The interface also includes a search bar at the top, a "Leave" button, and a sidebar with navigation options like Activity, Chat, Teams, Calendar, Calls, Files, Apps, and Help.

Teams Live Meeting

- When you're ready to leave the live meeting, click on the "Leave" button located on the upper right corner of your screen

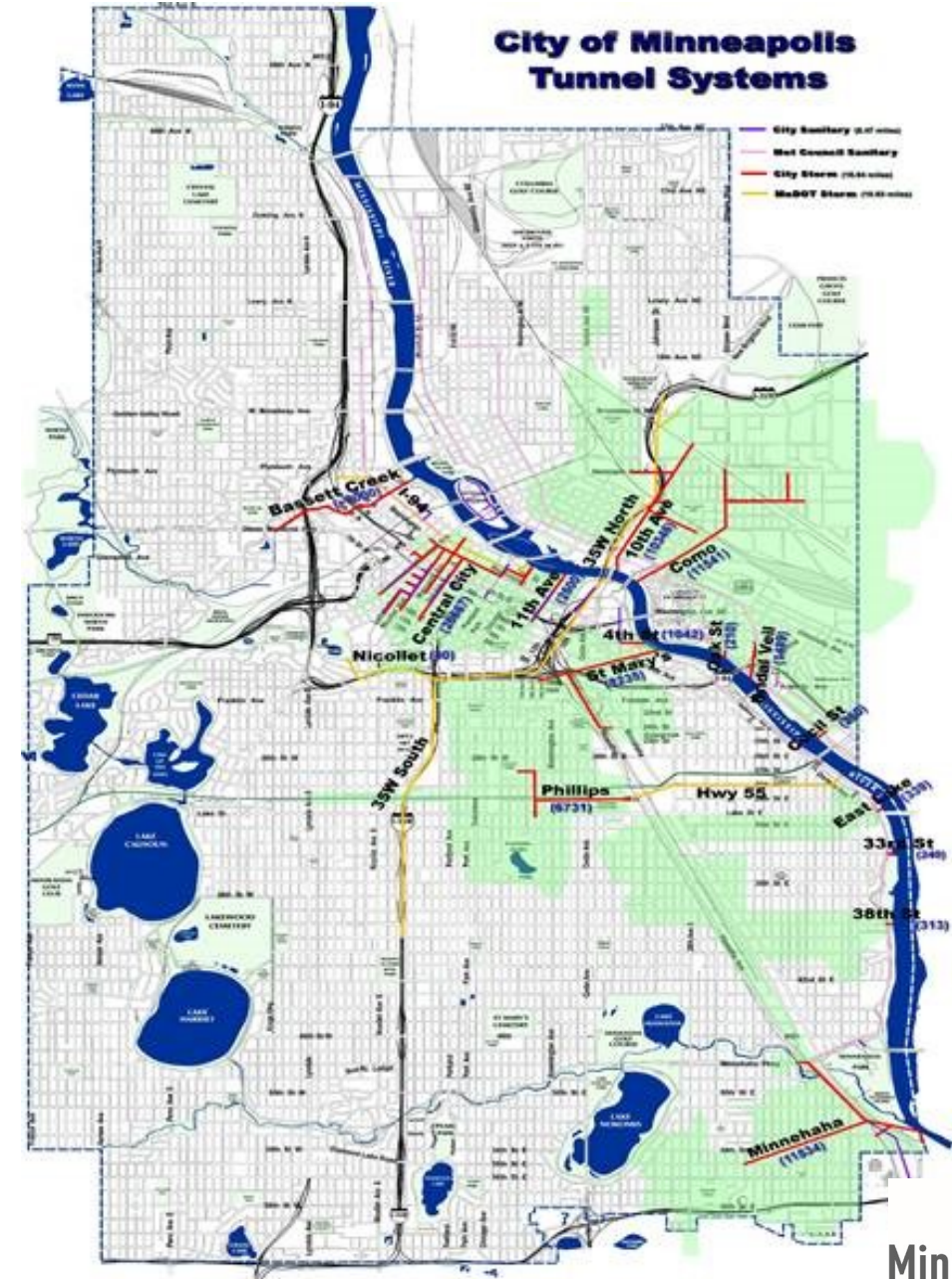
Minneapolis Central City Tunnel Virtual Public Meeting

Need help?

Leave

Minneapolis Storm Tunnel System

- Approximately 46 miles of sanitary and storm tunnels in Minneapolis
- The City of Minneapolis is responsible for:
 - 16 miles of sanitary sewer tunnels
 - 15 miles of storm tunnel systems



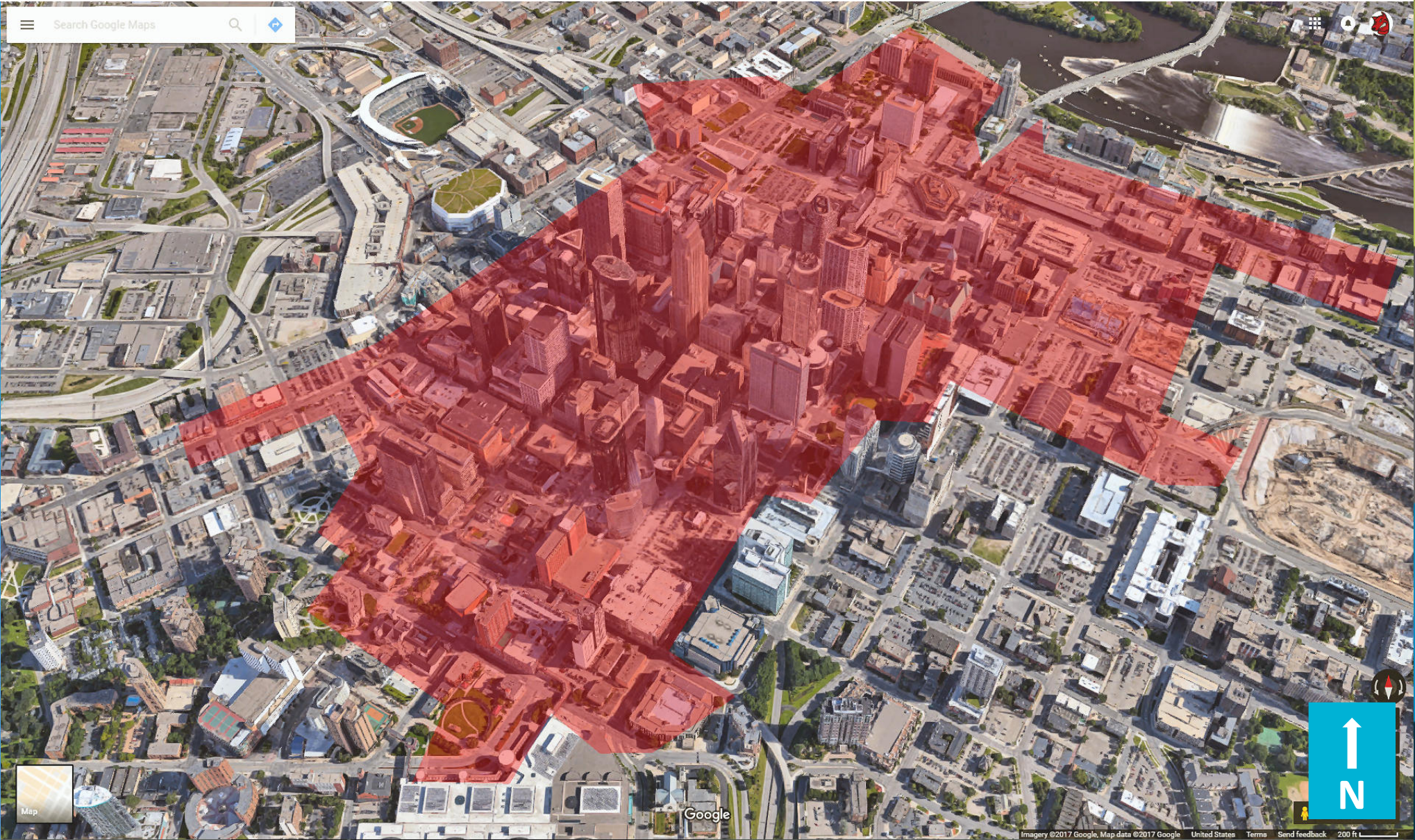


Project Need

More development in downtown creates more stormwater runoff into the tunnels



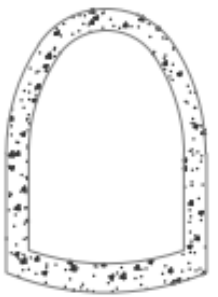
Central City Tunnel Drainage Area



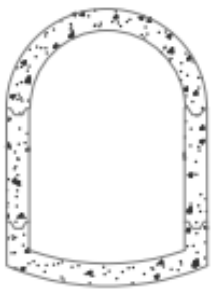
Central City Storm Tunnel System



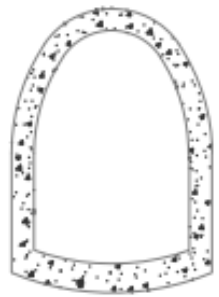
Washington Tunnel is Undersized



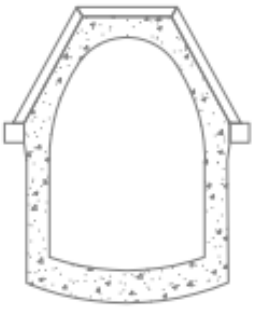
2ND AVE
TUNNEL



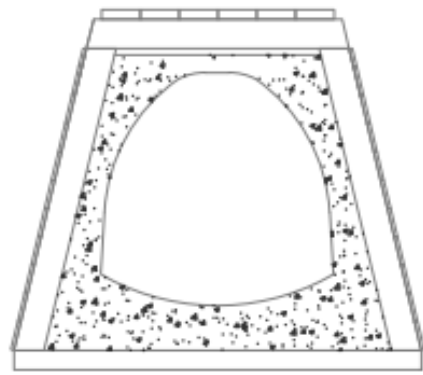
NORTH
MARQUETTE
TUNNEL



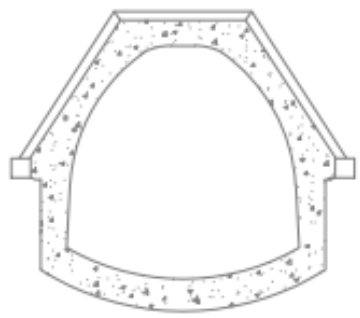
SOUTH
MARQUETTE
TUNNEL



NICOLLET
TUNNEL



HENNEPIN
TUNNEL

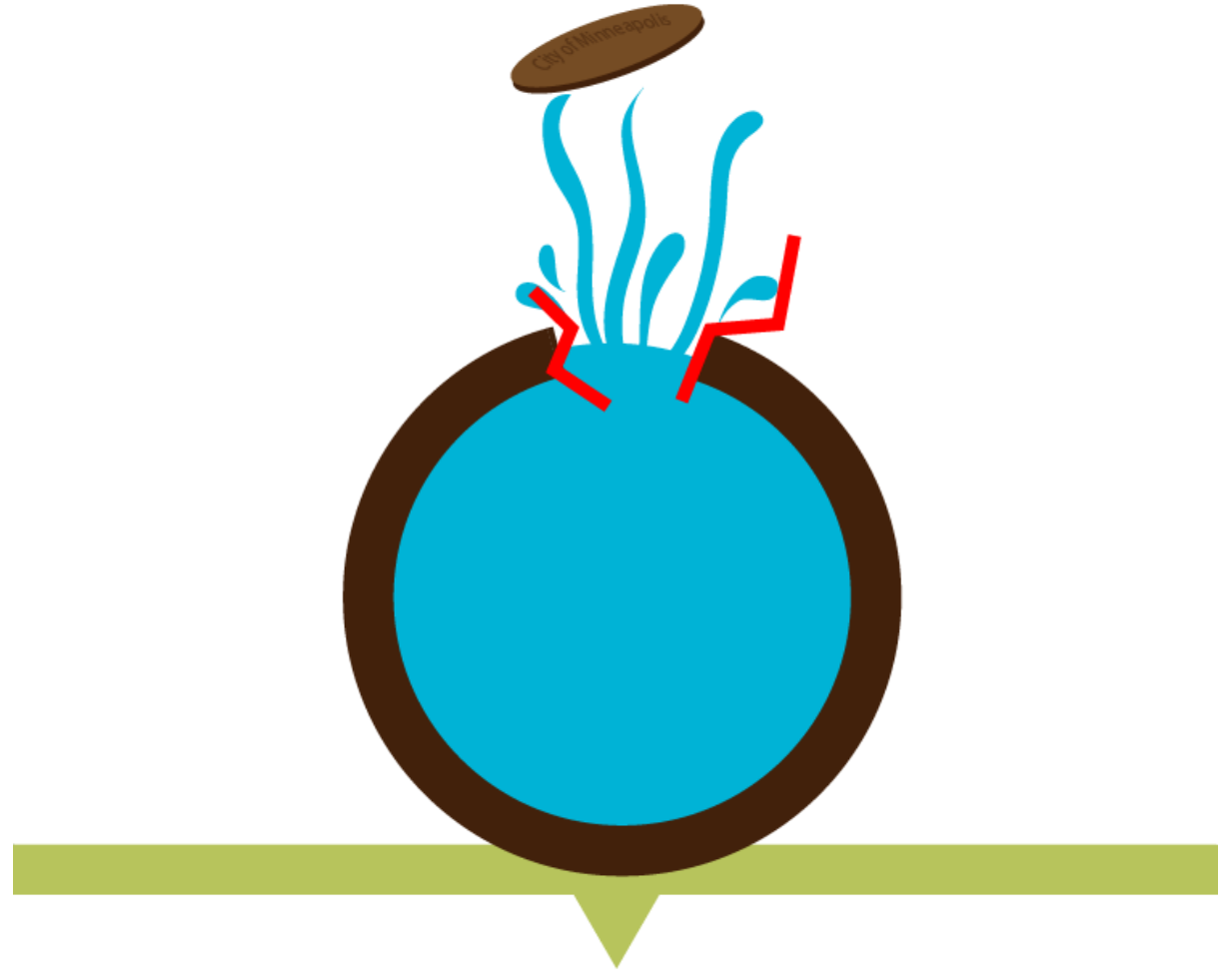


WASHINGTON
TUNNEL



Project Need

The existing tunnel is full of water and pressurized, causing potential public safety hazards and damage to the tunnel





Void above tunnel

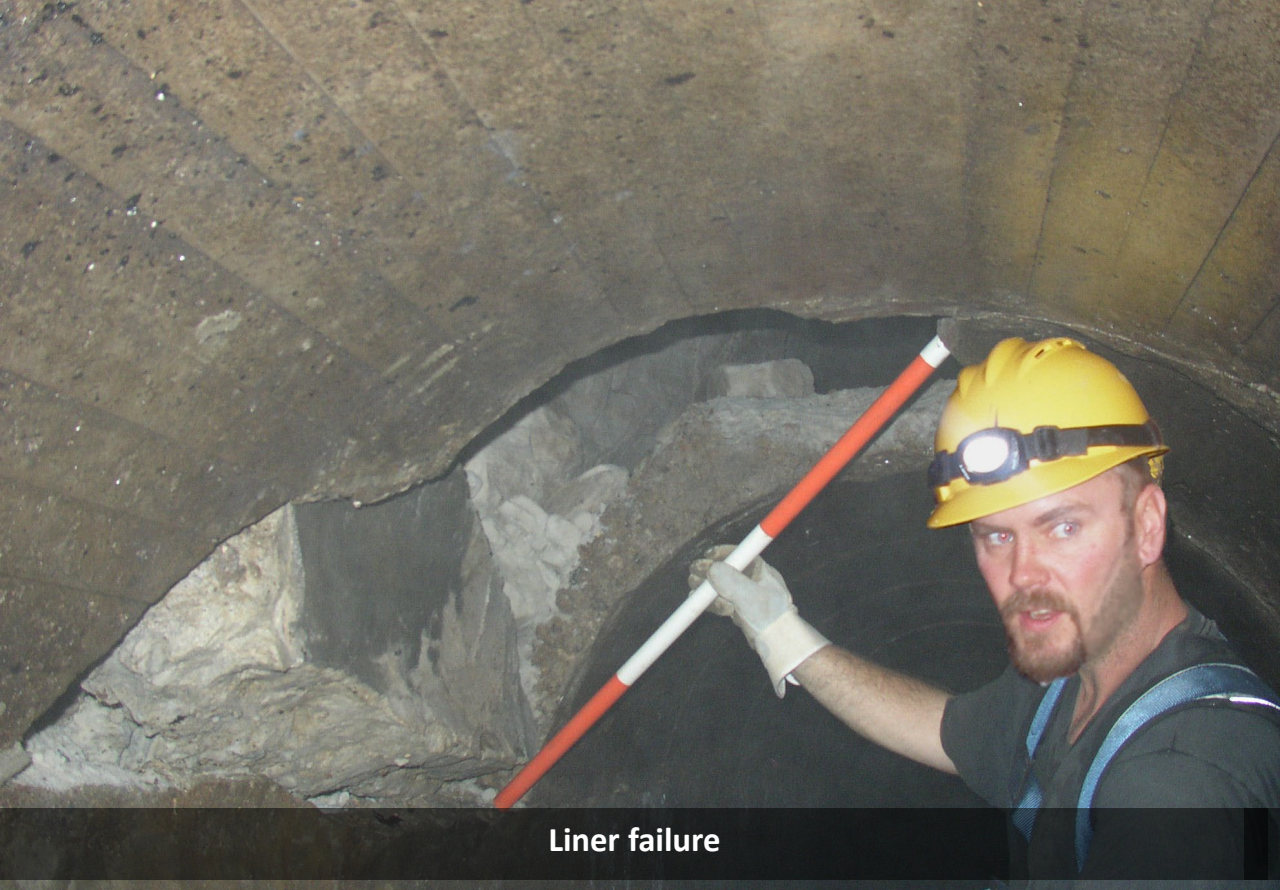


Sand in tunnel



Liner failure

Examples of Central City Tunnel Damage



Liner failure



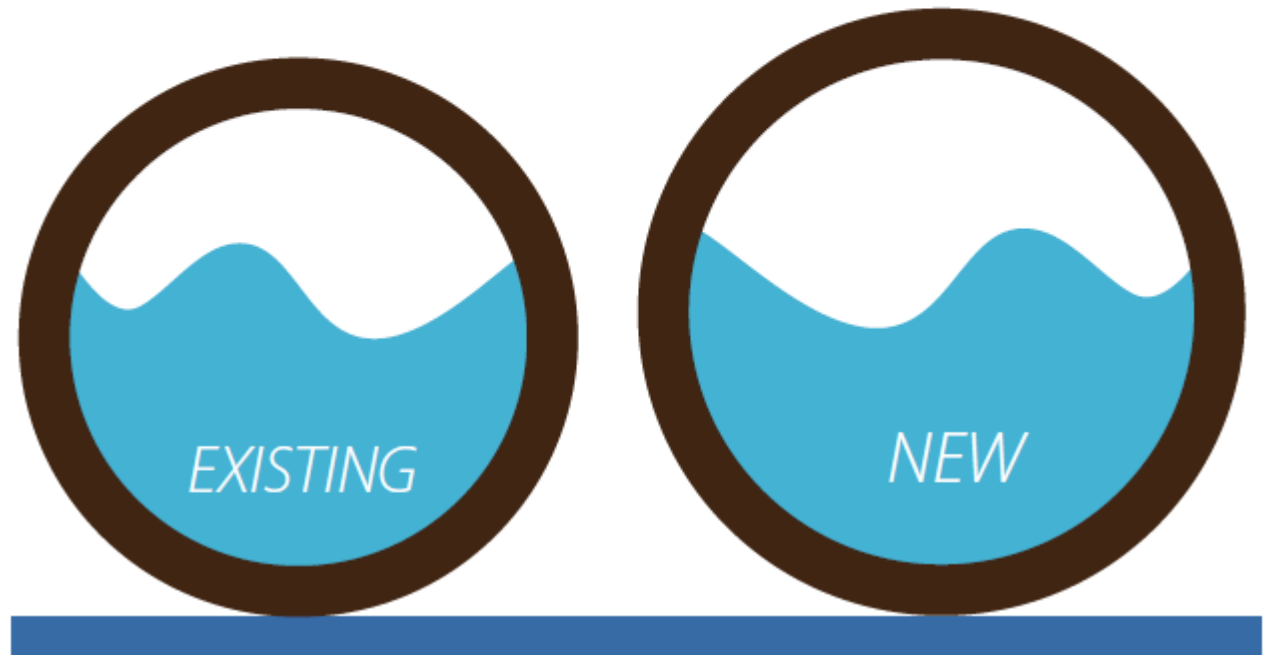
Void and sand above tunnel

Examples of Central City Tunnel Damage

Future Tunnel Scenario

Project Need

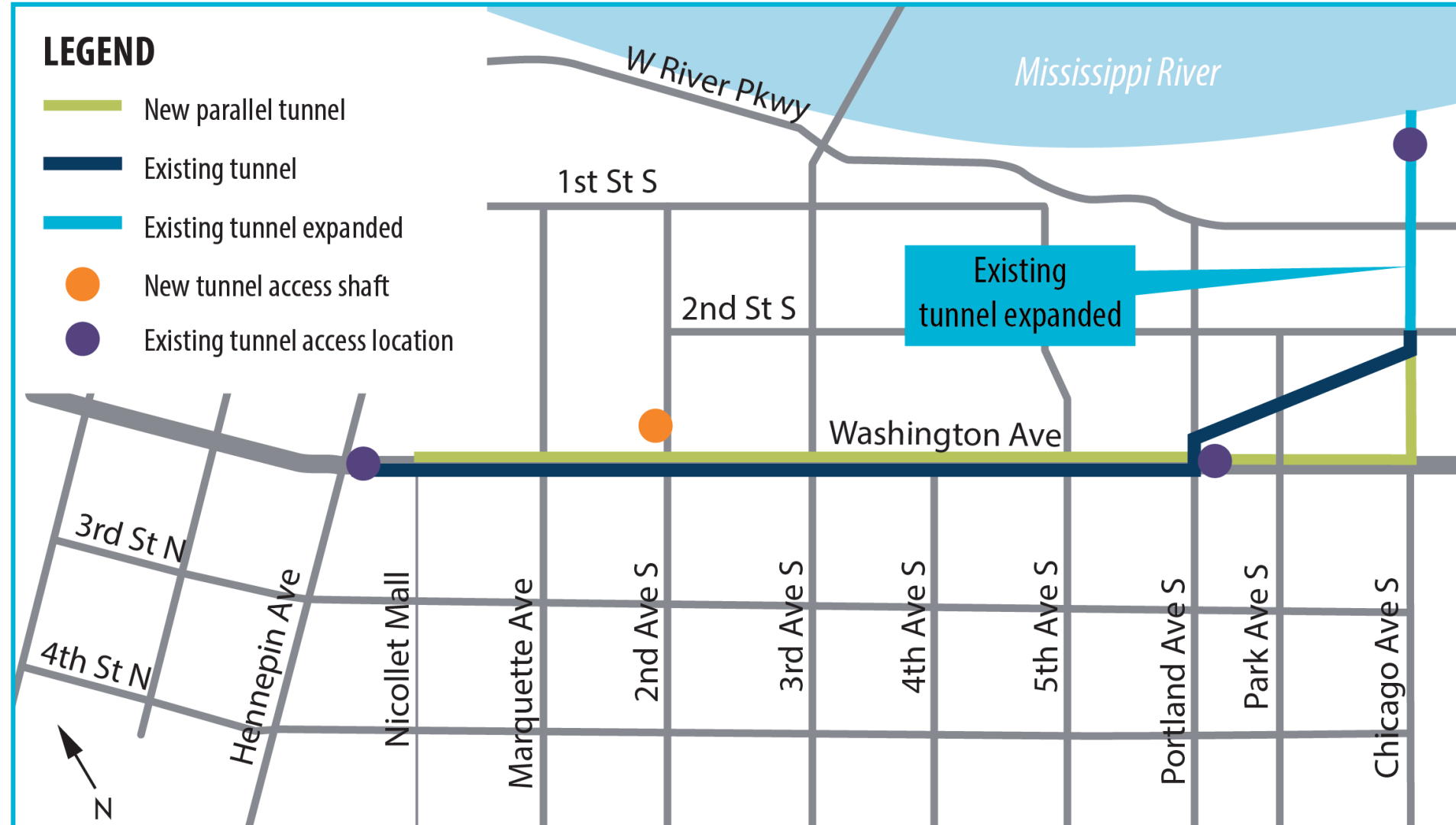
The new tunnel will increase tunnel capacity for stormwater runoff, which will reduce possible flooding risk and tunnel service failure



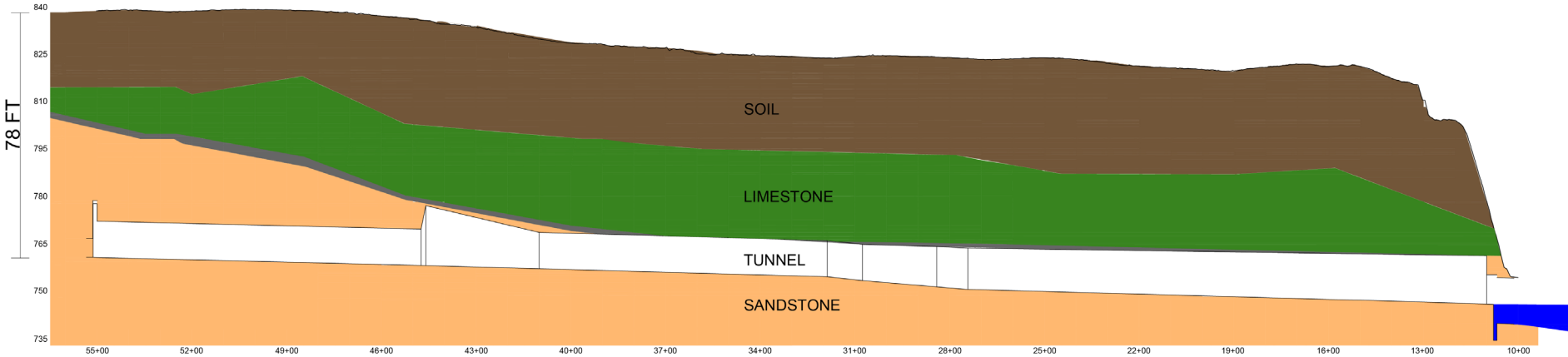
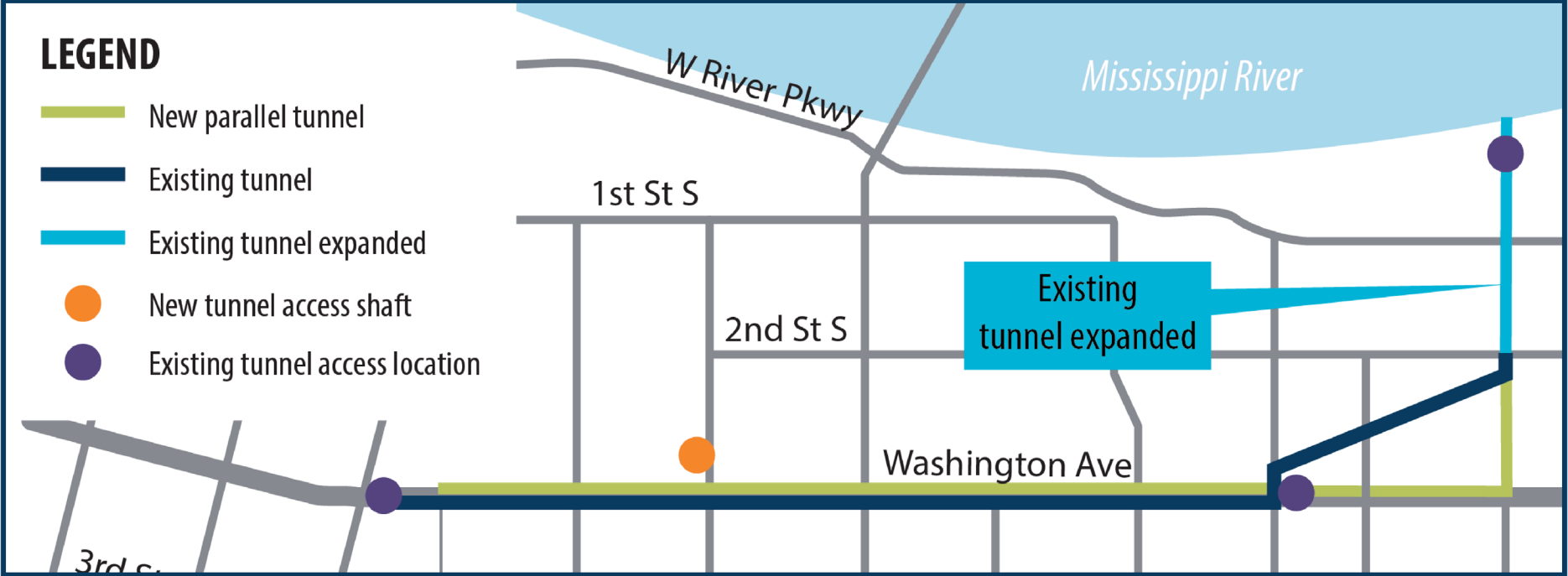
Project Overview

The Minneapolis Central City Tunnel System project includes:

- A new parallel stormwater tunnel
- A new tunnel access shaft
- Expansion of the existing central city stormwater tunnel and river outlet



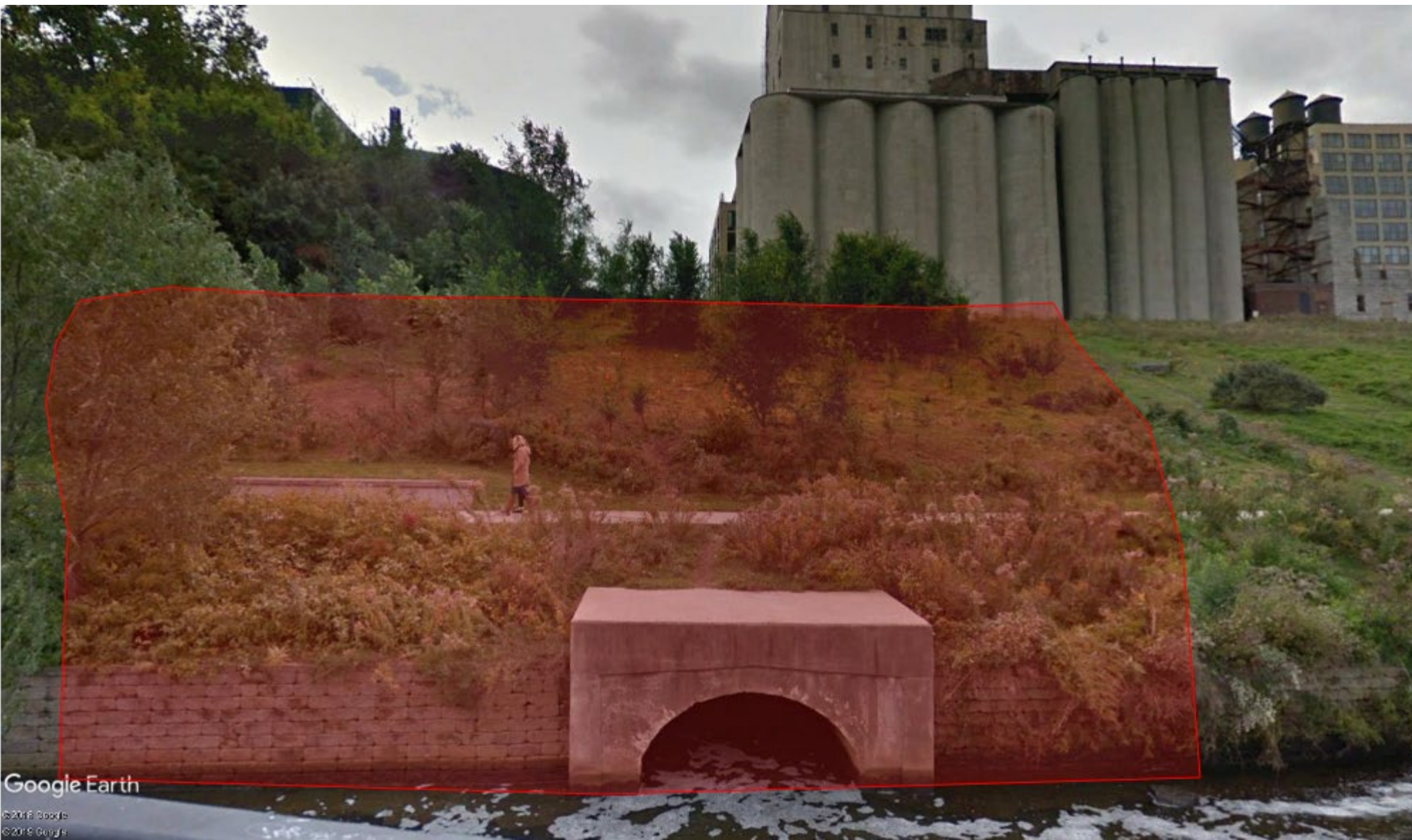
Anticipated Construction



Tunnel Access Expansion: Mississippi River



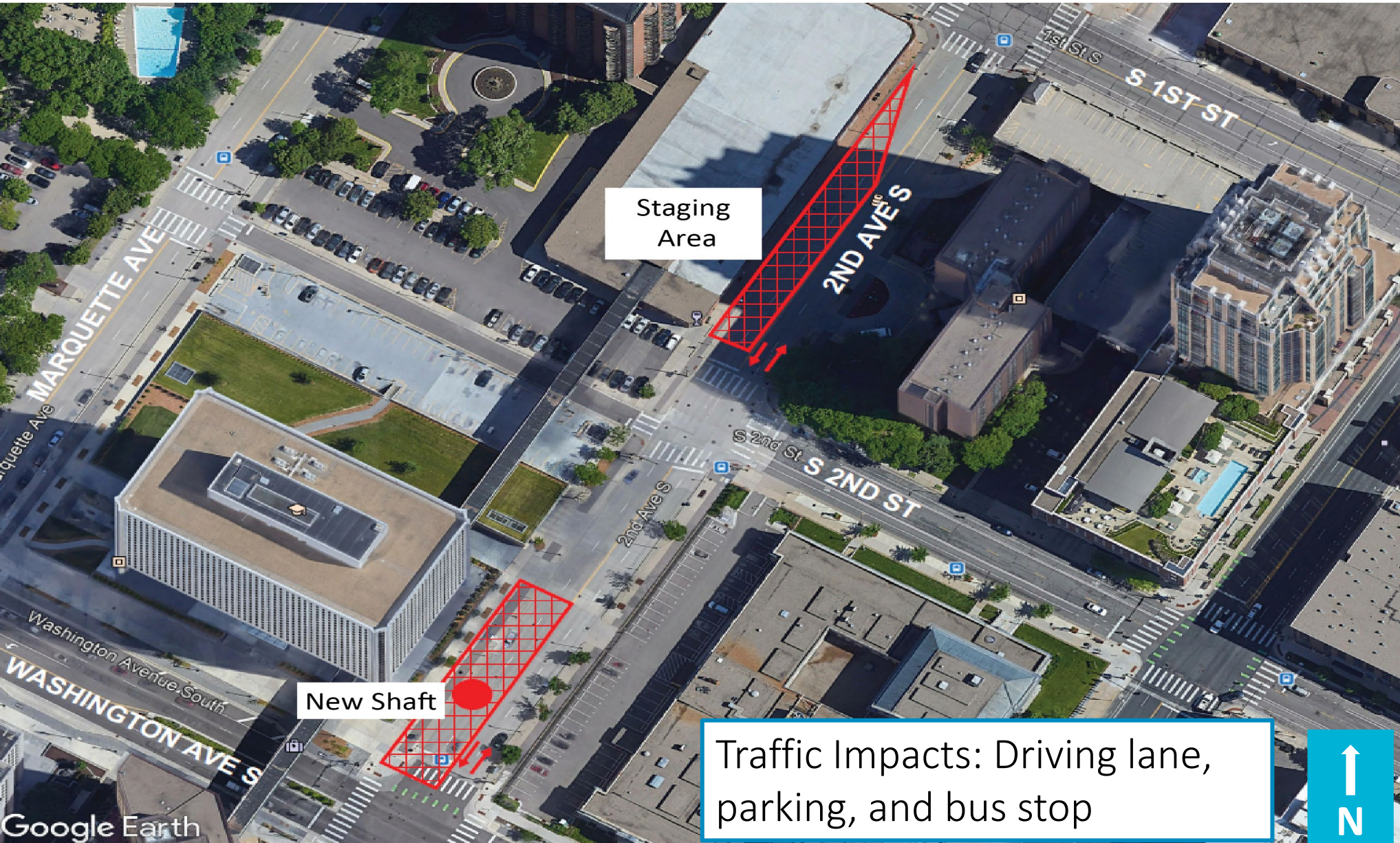
Outlet Excavation Area: Mississippi River



Google Earth

©2018 Google
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New Tunnel Access Construction: 2nd Ave S



Staging Area

New Shaft

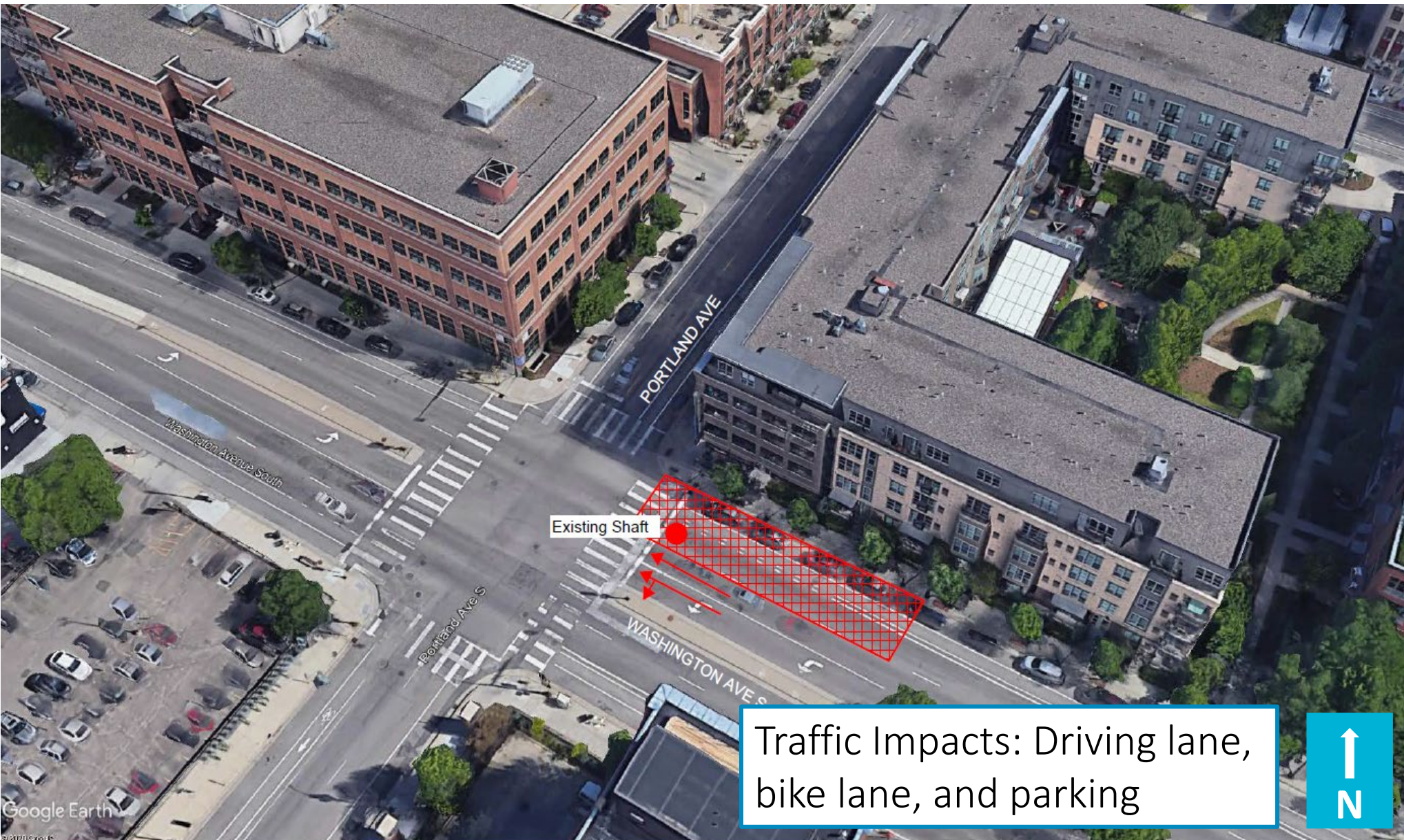
Traffic Impacts: Driving lane, parking, and bus stop



Example of Tunnel Access Shaft Construction



Tunnel Access: Washington Ave & Portland Ave

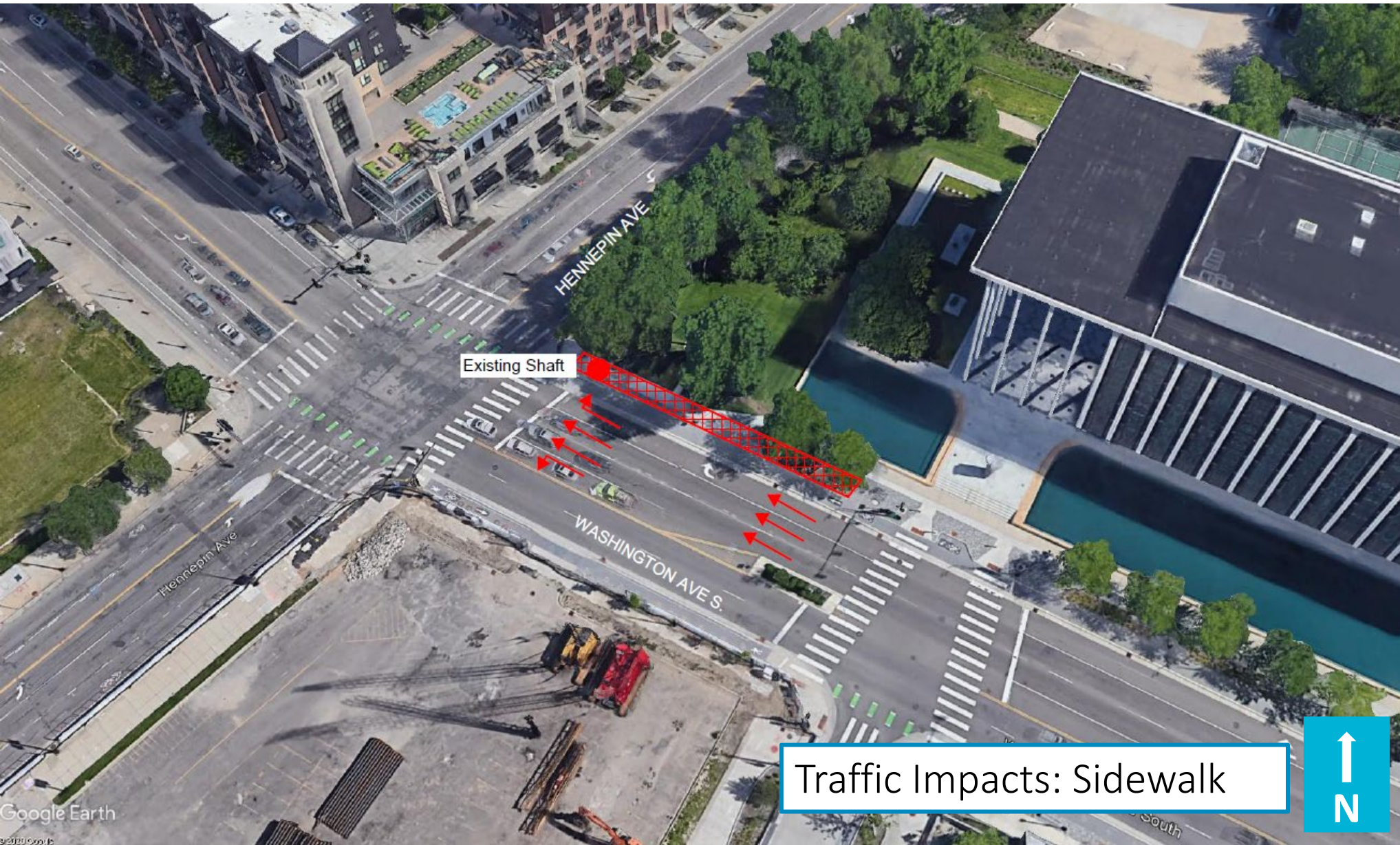


Existing Shaft

Traffic Impacts: Driving lane,
bike lane, and parking



Tunnel Access: Washington Ave & Hennepin Ave

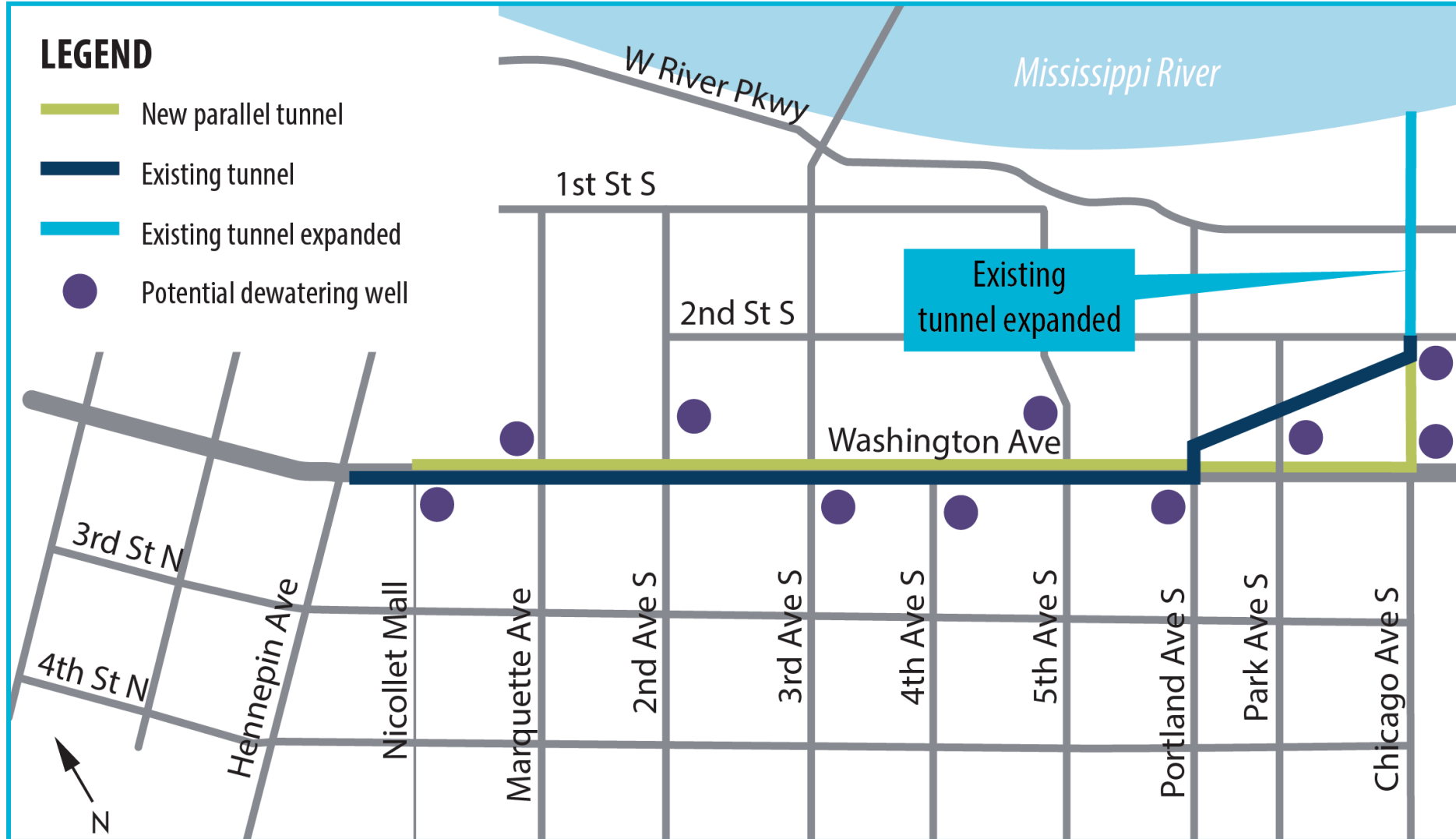


Traffic Impacts: Sidewalk



Dewatering Well Locations

- Up to 10 dewatering wells in the construction area
- Utility coordination



Example of a Dewatering Well



Dewatering and Treatment: Nicollet Mall



Traffic Impacts: sidewalk



Anticipated Construction Schedule

	2021				2022								2023									
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Parallel Tunnel Construction																						
Dewatering Wells																						
2nd Ave Access Shaft																						
Excav and Line Tunnel from Wash Ave Access Pts																						
Outlet Excavation & Construction																						
Excavate & Line Tunnel from Outlet																						
Work Site Restoration																						

Stay Informed



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Website:

www.minneapolismn.gov/centralcitytunnel