Wheelock Parkway
Reconstruction
Phase IV
<table>
<thead>
<tr>
<th>Department</th>
<th>Name</th>
<th>Phone</th>
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</thead>
<tbody>
<tr>
<td>Project Engineer</td>
<td>Cheng Xiong</td>
<td>651-266-6168</td>
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<tr>
<td>Street Lighting</td>
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<td>651-266-6256</td>
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<td>Lynn Moser</td>
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Wheelock Parkway
Project Schedule

- This meeting is informational only
- City Council approval/Public Hearing in early 2019
- Design winter of 2018/2019
- Start construction summer of 2019
- End construction fall of 2019
Wheelock Parkway

Included in the Project

- Sidewalk and ADA-compliant pedestrian ramps
- Bike trail 10-feet (south side)
- New concrete curb and gutter
- New pavement (width = 24-feet)
- Concrete driveway aprons
- Utility upgrades
- Lantern-style street lighting
- Removal of all Ash trees, dead trees, and stumps
- Sodded boulevards
- Tree planting
Sidewalk Replacement

- 5-foot walk
- Typically set at property line
- Realignment (various locations)
- Adjacent to bike trail at intersections
Wheelock Parkway

ADA-Compliant Pedestrian Ramps

Fan Ramp

Directional Ramp
Wheelock Parkway Bicycle Trail

- 10-foot bituminous trail
- 5-foot minimum offset from curbs
- Adjacent with sidewalk at intersections
- Tabled crosswalk at intersections
Wheelock Parkway

Tabled Crosswalks

- Crosswalk is raised 3-inches
- Improves accessibility for bicyclists and pedestrians
- Traffic-calming design
Wheelock Parkway
Concrete Curb and Gutter with Catch Basins

Before

After
Wheelock Parkway

Bituminous Pavement

Before

After

Street Design and Construction
Wheelock Parkway

Driveways

Driveway aprons will be concrete regardless of any existing special material.

New driveway aprons will be reconstructed at 12-feet max, 30-feet beyond the garage.
Wheelock Parkway
Grade and Sod Boulevards

Street Design and Construction
If you have a boulevard garden or plants and you want to salvage them, you should remove the plants in the spring before construction work begins.
Wheelock Parkway

Lantern-style Street Lighting

Before

After

Street Design and Construction
Wheelock Parkway
Lantern-style Street Lighting

Staggered Formation
Wheelock Parkway

Tree Removal

Street Design and Construction
Wheelock Parkway
Emerald Ash Borer
Wheelock Parkway
Tree Planting

Buckeye
Catalpa
Crabapple
Hackberry
Honeylocust
Hybrid Elm
Ironwood
Kentucky Coffee
London Plane
Oak
River Birch
Serviceberry
Wheelock Parkway
Public Art

The City of Saint Paul dedicates 1% of the project cost to public art
Wheelock Parkway

Below the Surface

Street Design and Construction
Wheelock Parkway
Xcel Energy

Street Design and Construction
Saint Paul Regional Water Services
SAINT PAUL REGIONAL WATER SERVICES

Graeme Chaple – Damage Prevention and Inspections Supervisor

Cell: 651.775.3030
Email: graeme.chaple@ci.stpaul.mn.us
WATER MAIN REPLACEMENT

- Water main is approx. 8’ feet deep
- Most existing residential water mains are 6” diameter cast iron pipe.
- Most mains are replaced as 8” diameter ductile iron pipe or 8” PVC dependent on existing soils
- Installation by PW Contractor, SPRWS providing temporary water
- Water main must pass a series of bacterial tests, pressure tests, and conductivity tests prior to being put in service
TEMPORARY WATER MAINS

- 2” PVC pipe laid in the grassy area or on edge of sidewalk
- Fully Bacterially tested prior to hook-up
- Will become quite warm during the summer
- Water is provided at no cost when connected to temporary water
TEMPORARY WATER CONNECTION

- Back fed through outside hose spigot through the use of a grey potable water rated hose.
- A wye is installed to allow use of garden hose while connected.
- Notification of temporary water will be posted on front door.
- Temporary water crew will need to access the water meter inside building twice, once during install and once for the take down.
Water services are re-connected to the main once the watermain is fully tested and live.

Most existing copper services are reconnected with only excavation at the watermain.

All lead services are replaced with copper pipe from the main to property line or water service valve box at SPRWS cost.
LEAD SERVICE REPLACEMENT

- All Lead water services will be replaced from the water main to the property line or water service stop box.
- Replacements to stop box are only done if there is an obstruction at the property line or if a private plumber has already replaced the water service inside property to the stop box.
LEAD SERVICE REPLACEMENT

- New 1” copper water service installed in same location as the old 5/8ths or 3/4ths lead service
- Old lead pipe either removed or abandoned in place, depending on situation
- Transition joint installed at property line from new copper service to existing material inside property.
LEAD SERVICE REPLACEMENT INSIDE PROPERTY

- Can be assessed onto taxes over 20 years
- Building owner will have to obtain private plumber and get quotes
- Excavation of yard generally not needed
- Costs are reduced because restoration is done in the ROW by the project
- Plumber List and Information will be mailed to property owners addresses
- Additional Information available from the SPRWS Engineering Service Desk 651.266.6270
CONTACT INFO

Graeme Chaple

*Damage Prevention and Inspections Supervisor*

Cell: 651.775.3030

Email: graeme.chaple@ci.stpaul.mn.us

SPRWS Engineering Service Desk

651.266.6270

1900 Rice St

Saint Paul, MN 55113
CITY OF SAINT PAUL
Public Works
Sewer Division
Wheelock Parkway
Sanitary Sewer Replacement Option

PRIVATE SEWER PIPE IN PUBLIC RIGHT-OF-WAY AND PRIVATE PROPERTY

PUBLIC RIGHT-OF-WAY

CENTER LINE OF STREET

CURB

EDGE OF SIDEWALK

TYPICAL PROPERTY LINE LOCATION AT EDGE OF SIDEWALK

PRIVATE SEWER PIPE CONNECTION (OWNED BY PROPERTY OWNER)

PRIVATE SEWER PIPE WITHIN PUBLIC RIGHT-OF-WAY (OWNED BY PROPERTY OWNER)

PRIVATE SEWER PIPE ON PRIVATE PROPERTY (OWNED BY PROPERTY OWNER)

PROPERTY OWNER CAN REQUEST REPLACEMENT OF THIS PORTION OF PRIVATE SEWER PIPE DURING THIS PROJECT

Street Design and Construction
Wheelock Parkway
Sanitary Sewer Service Issues

Key:
- Inflow Source
- Infiltration Source

Street Design and Construction
Warning Signs of a Defective Sewer Service

- Does your drain run slowly? Or gurgle?
- Do you have sewer odors?
- Do you know where your sewer service runs?
- Are there bushes or trees planted over it?
- Has your sewer line ever been cleaned and inspected?
- Do you have a garbage disposal and do you use it for everything?
- Is there a sinkhole or depression near your home, boulevard, or street?
Wheelock Parkway

Common Sewer Problems

- Dropped connection to the main
- Broken clay pipe
- Root intrusion
Benefits of Repairing the Sanitary Sewer Service

- Extends the system service life
- Reduces the risk of:
  - Sewer backups
  - Sinkholes
  - Rodent access
- Cheaper during construction:
  - Fixed rate
  - Don’t have to pay for street restoration
  - 20-years to pay
## Wheelock Parkway
### Sanitary Sewer Service Cost

<table>
<thead>
<tr>
<th></th>
<th>During Construction</th>
<th>After Construction</th>
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<tbody>
<tr>
<td></td>
<td>Approximately $3,000</td>
<td>Typically More Than $5,000</td>
</tr>
<tr>
<td>▪ Cost to property owner can be spread out over a 20-year term/assessment</td>
<td></td>
<td>▪ Restoration costs are paid by the property owner</td>
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<tr>
<td>▪ No street restoration costs</td>
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If you are interested – **ACT NOW!**
Wheelock Parkway
Living Through a Construction Project

- Noise
- Dust
- Mud
- Limited Access
- Inconvenience

Street Design and Construction
- Your street will be dug up numerous times
- The work is done in layers and often by different crews doing different types of work
- Plan on 4-months of disruption
- Residents and emergency vehicle access will be maintained at all times
- All of the construction is done by private construction companies
- They are very busy and this isn’t their only project
- Most road work is weather-dependent and rain will delay work
- Contractors work 5-6 days a week from 7:00 a.m. until 7:00 p.m.
- The City of Saint Paul will have an onsite representative (project inspector) to inspect the contractor’s work
Wheelock Parkway

Roadway Construction Signs

**ROAD CLOSED**
**TO**
**THRU TRAFFIC**
You can get to your house, but you cannot get all the way through - you will eventually come to a ROAD CLOSED sign

**ROAD CLOSED**
**DO NOT ENTER!**
The contractor will post NO PARKING signs everywhere.

If there is no activity on your block, you may park in front of your house.

If there is activity on your block, please leave contact information on the dashboard - the contractor would rather call you than a tow truck.

Police agree not to ticket unless requested by Public Works or the contractor.
You will receive a letter prior to the start of construction - keep this for names and contact numbers

A flyer will be handed out a week before construction starts on your block - check front doors for flyers

Onsite Public Works inspector - the project inspector should be your first call with questions or issues

Weekly updates will be posted to the city’s website at www.stpaul.gov/construction
Wheelock Parkway
Placement of Class 5

Street Design and Construction
Wheelock Parkway
Placement of Curb

Street Design and Construction
Wheelock Parkway
Placement of Asphalt Wear Course
Wheelock Parkway
Grading Boulevards
Wheelock Parkway
Before and After
Cost of Street Projects

Project Cost Versus City Cost

- Project cost - calculated by the Department of Public Works
- City cost – component of project cost
  - Covers street work only
  - Often less than project cost since other non-street work (sewers, water lines, etc.) not included

Financing Street Projects

- Previous financing – street improvement bonds
  - Required 20% of project costs assessed to property owners
- Current financing – street reconstruction bonds
  - Requires City Council–approved 5-year plan for street reconstruction projects
  - No minimum assessment percentage required
Determining the Assessment

- Determine assessable cost – portion of city cost to be assessed
- Calculate per-foot assessment rate – divide amount by total frontage
- Calculate each property’s assessment – multiply assessment rate by each property’s frontage
- Verify reasonableness of assessments – based on appraisal firm analysis of project benefit to property values
Wheelock Parkway

Assessment Information

Assessment Process/Approval

- Construction approved early 2019 (Final Order)
- Assessment approved fall of 2019 (Ratification of Assessment)

Pending Assessment

- Assessment is “pending” after the Final Order is approved
  - Visible for property owners or title companies
  - Payments are accepted (partial or full)

Levied Assessment

- Assessment is “levied” after the Ratification of Assessment is approved
  - Invoice mailed, 30-days to pay to avoid interest
  - If not fully paid, annual installments automatically go onto property taxes
  - Paid over 20-years with simple interest and a flat fee
- Delayed payment of Special Assessment for Senior Citizens or Permanently Disabled
  - Not a forgiveness of the assessment
  - Interest accrues the same as non-deferred
Wheelock Parkway
Assessment Information

Sanitary Sewer and Water Connections

- Requested by property owner
- Separate assessment(s)

View / pay assessment at www.stpaul.gov/assessments
Wheelock Parkway

Preliminary Design Subject to Change
Wheelock Parkway

Preliminary Design Subject to Change

Street Design and Construction
Wheelock Parkway

Preliminary Design Subject to Change
Questions?
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<td>Parks and Recreation</td>
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