

# RAYMOND AVENUE PAVING PROJECT



PROJECT ENGINEER  
BARB MUNDAHL



# PROJECT SCHEDULE

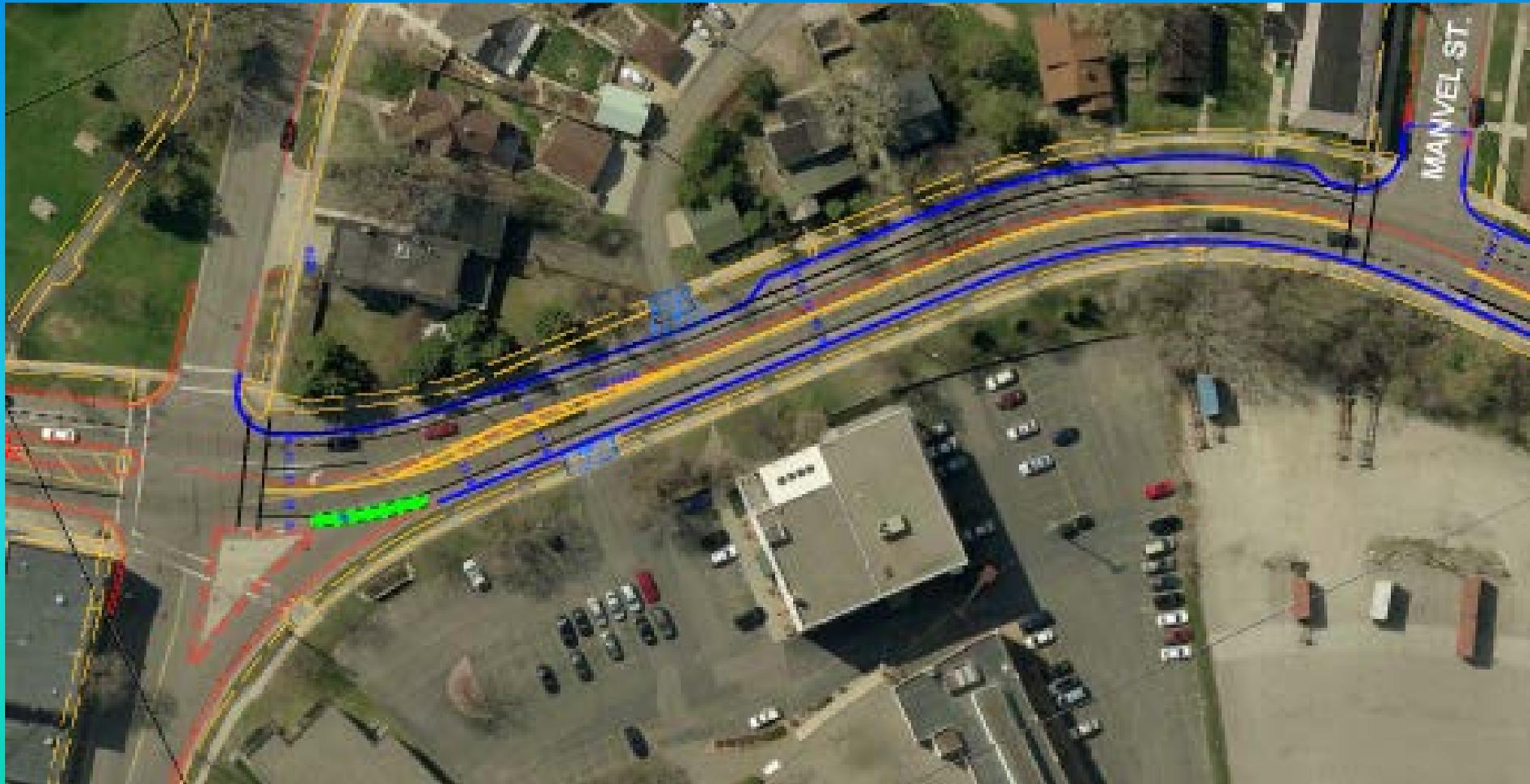
- ◉ Information Meeting
- ◉ Only one informational meeting will be held.
- ◉ Design Winter of 2014
- ◉ City Council Approval/Public Hearing in January 21, 2015.
- ◉ Start Construction Summer 2015
- ◉ End Construction Fall 2015

# PROJECT HISTORY

- The project was initiated by the Raymond Avenue Traffic Calming Task Force which was formed in 2006 by the St. Anthony Park Community Council.
- The goal of the task force was to create an avenue that would improve safety for all users, including drivers, bicyclists and pedestrians.
- The project was set up to be constructed in three phases.  
The first phase was from University to Hampden.  
The second phase is from Hampden to Energy Park Dr. to be constructed in 2015.  
The third phase will be from Energy Park Dr. to Como Ave. and is scheduled for 2016 construction.



# PROPOSED LAYOUT - HAMPDEN TO MANVEL



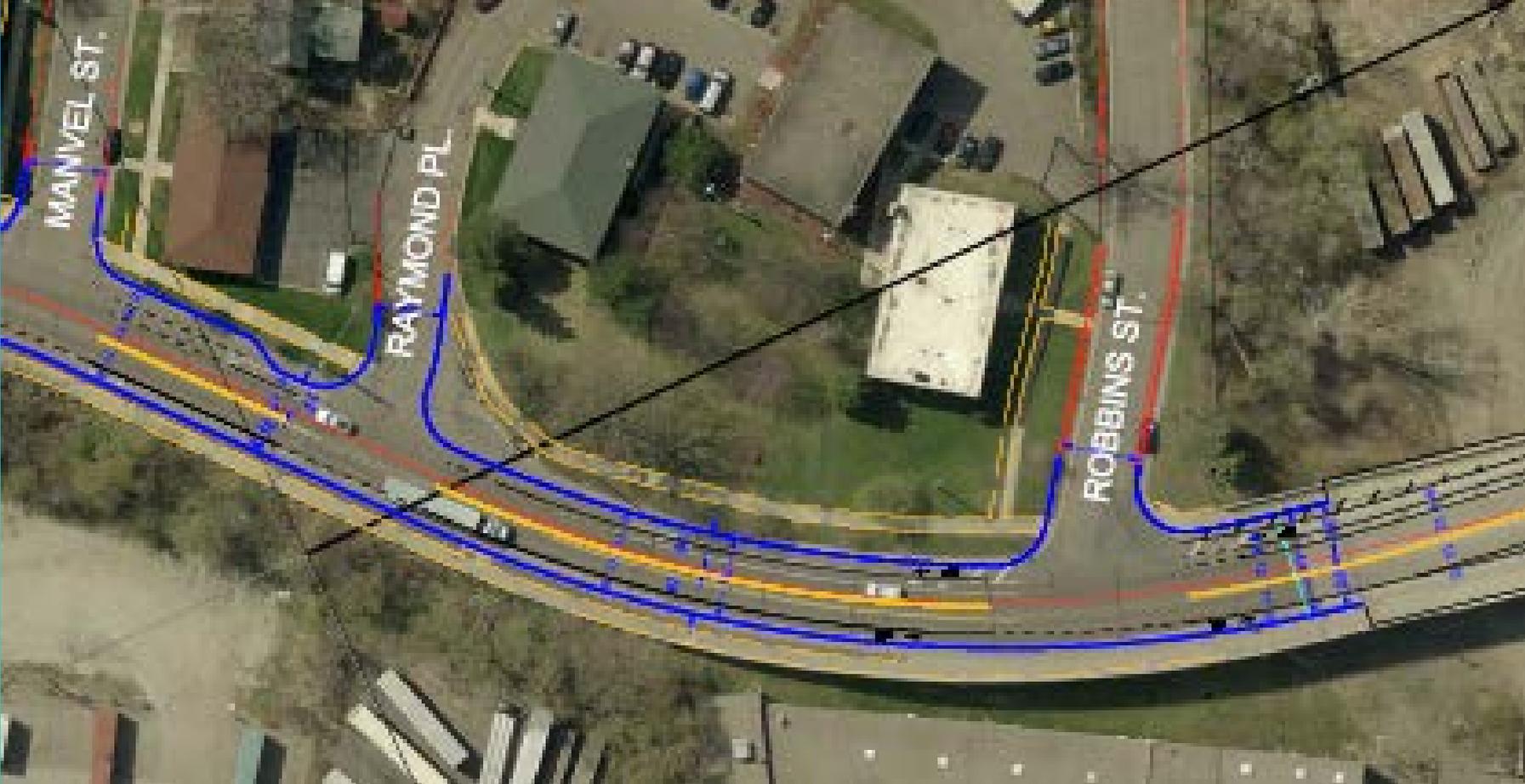
# BUMP OUT



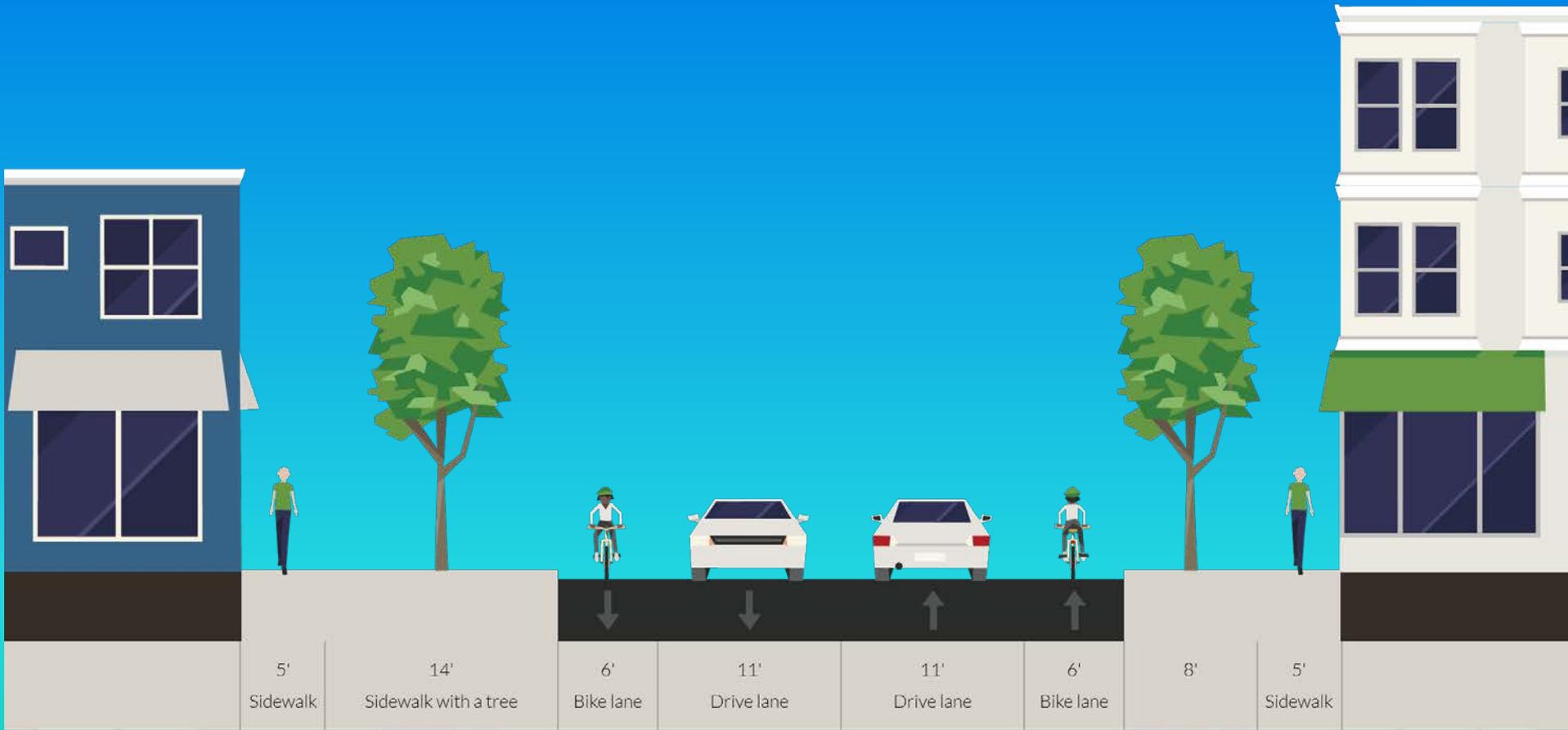
# HAMPDEN TO RAYMOND PLACE



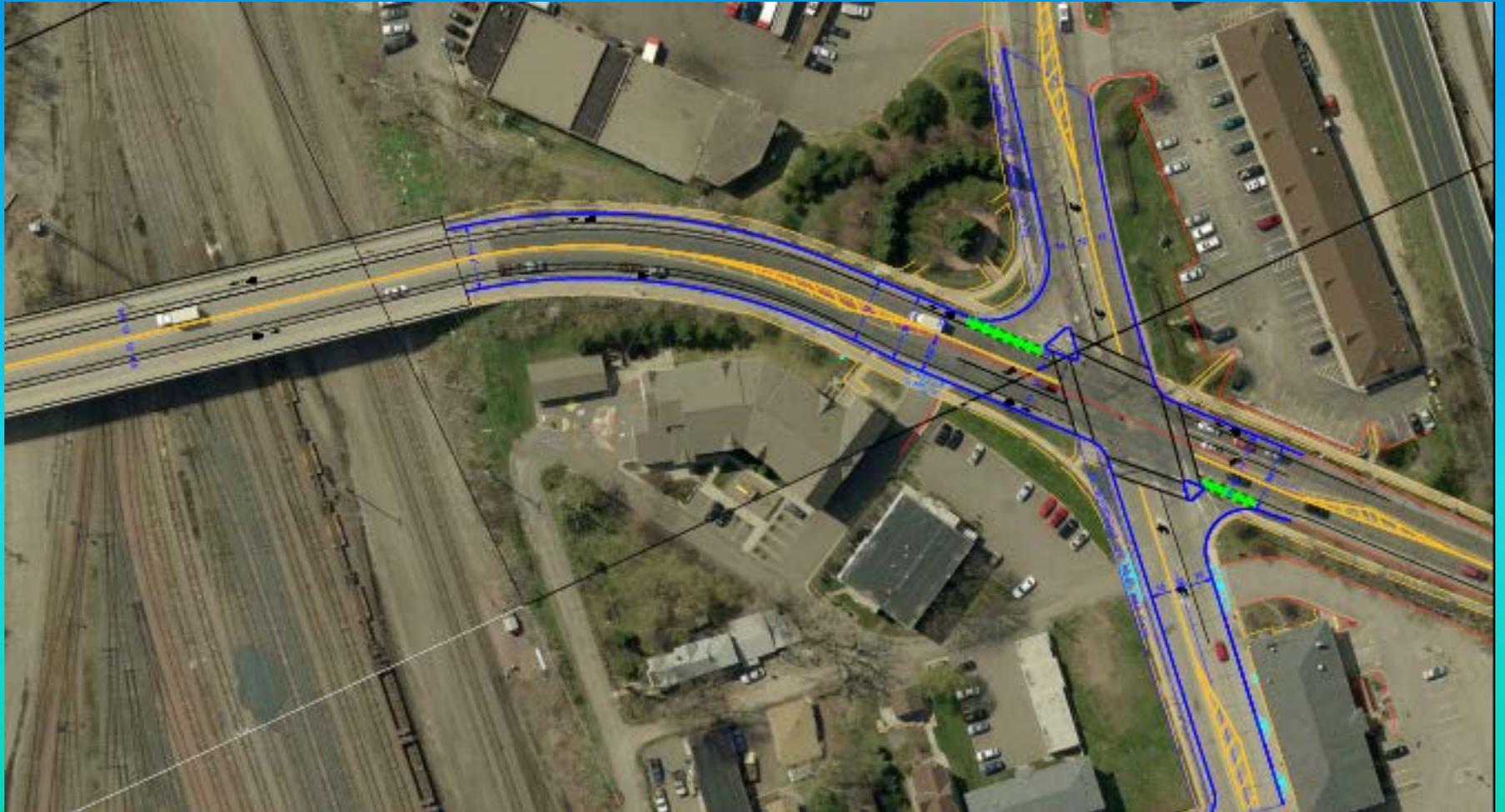
# PROPOSED LAYOUT - MANVEL TO RAILROAD BRIDGE



# RAYMOND PLACE TO ROBBINS



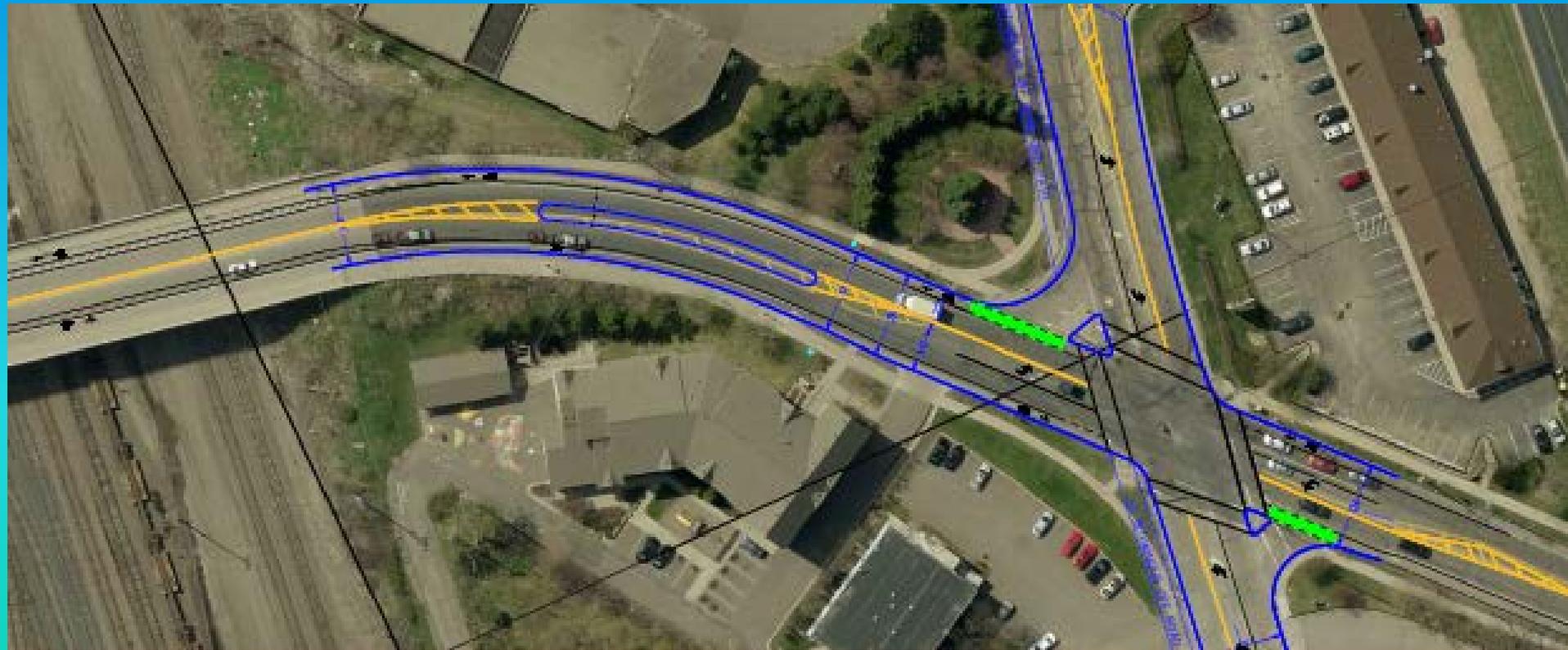
# PROPOSED LAYOUT NORTH OF THE RAILROAD BRIDGE - OPTION 1:



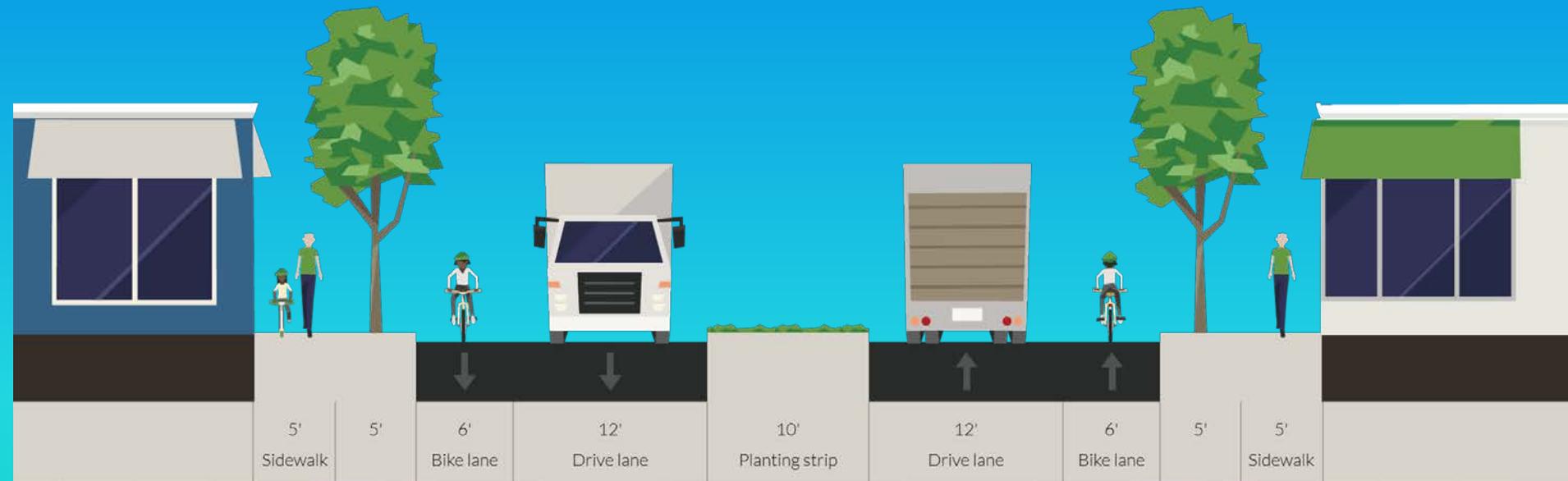
# PROPOSED LAYOUT NORTH OF RAILROAD BRIDGE - OPTION 1



# PROPOSED LAYOUT NORTH OF THE RAILROAD BRIDGE - OPTION 2:



# PROPOSED LAYOUT NORTH OF THE RAILROAD BRIDGE - OPTION 2:

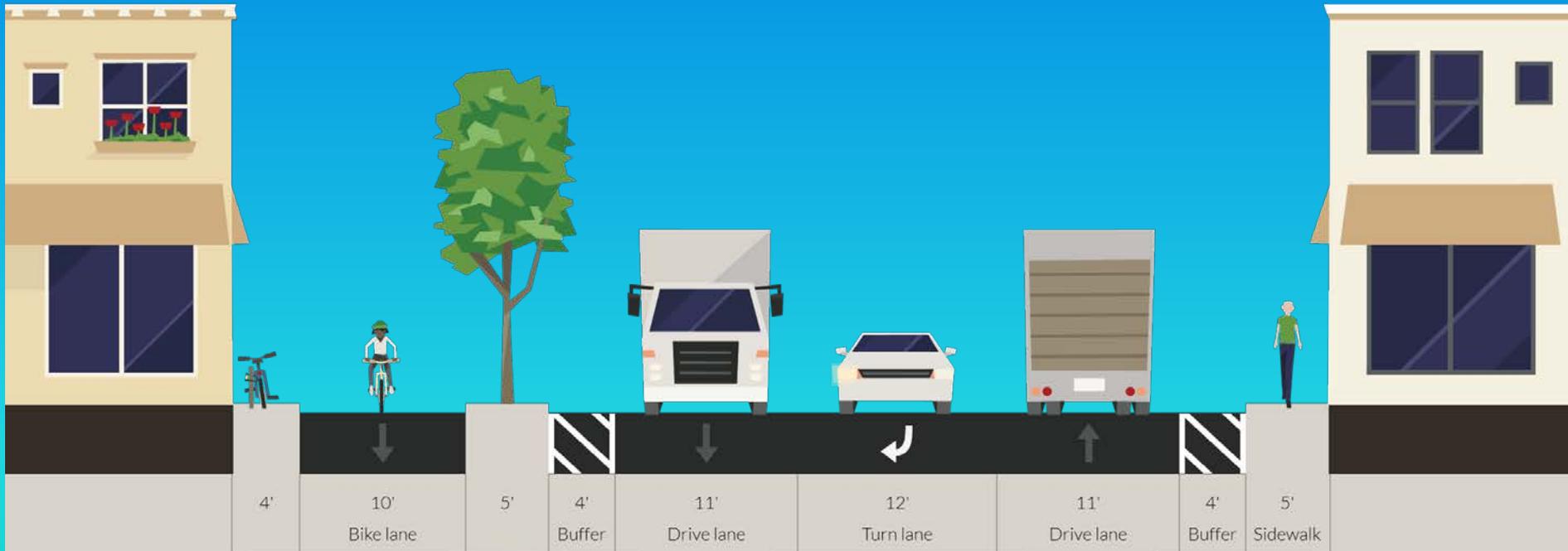


# PROPOSED STRIPING ON RAILROAD BRIDGE





# ENERGY PARK DRIVE



# PROJECT INCLUDES:

- New Concrete Curb and Gutter
- New Pavement
- Concrete Driveway Aprons
- Street Lighting
- Sodded Boulevards
- Removal of all Ash trees, dead trees and stumps
- Tree Planting
- Utility Upgrades
- New ADA compliant pedestrian ramps and Sidewalk Repairs as needed.

# CONCRETE CURB AND GUTTER



# CATCH BASINS



# ADA COMPLIANT PEDESTRIAN RAMPS



# CONCRETE DRIVEWAY APRONS WITH 4' FLARES



# CONCRETE OUTWALKS



# GRADE AND SOD BOULEVARDS



# BOULEVARD TREES



# EMERALD ASH BORER



# EXISTING STREET LIGHTS



# LANTERN STYLE STREET LIGHTS



# CONSTRUCTION

- ◉ What's it like to live through a project?
- ◉ Construction activity = noise, mess, inconvenience, dust or mud
- ◉ Road Closed, No Parking signs - Where do I park?
- ◉ Access for emergency vehicles to maintained at all times
- ◉ Work to start in summer 2015 and be completed in fall of 2015.

# CONSTRUCTION

- ◉ Your street will be dug up numerous times. Our work is done in layers and often by different crews doing different types of work.
- ◉ We will NOT work on your block every day. There may be several days when no work is done in your block.
- ◉ Plan on 4 months of disruption.
- ◉ Alley access will be maintained at all times.

# CONSTRUCTION

- ◉ All of the construction is done by private construction companies. They are very busy and this isn't their only project.
- ◉ Most of our work is weather dependent, rain will delay us.
- ◉ Contractors will work 5-6 days a week from 7am until 5 or 6pm.
- ◉ Following are some slides from the construction process.

# XCEL GAS WORK



# SIDEWALK BARRICADES



# GAS MAIN AND SERVICE REPLACEMENT





# 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
- ◉ Excavation is by the Public Works contractor, pipework is by SPRWS crews
- ◉ Water main is fully bacterially tested prior to being turned on



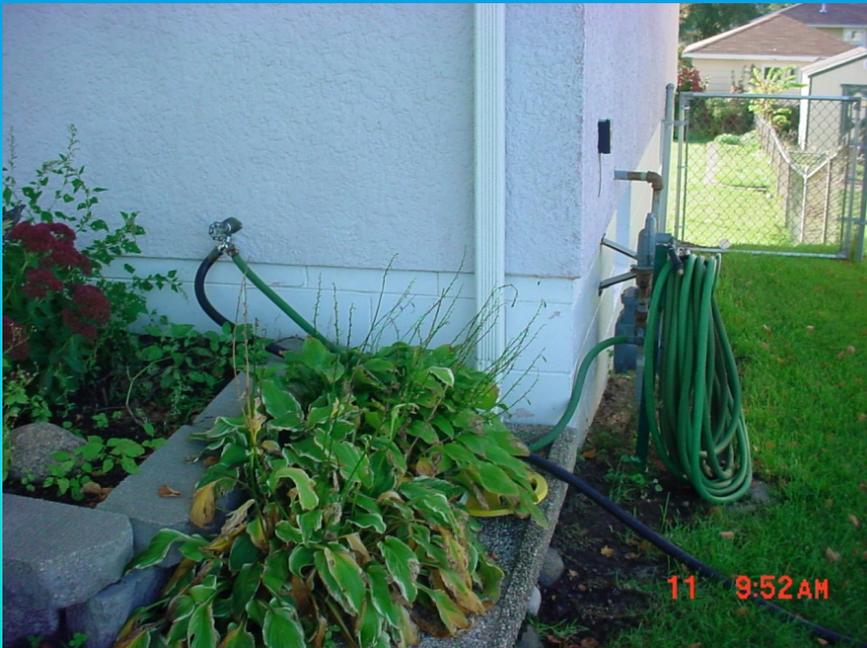
# TEMPORARY WATER MAINS



- ◉ 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 Service Connection



- Water services are re-connected to the main during installation, but not live until the main fully passes testing
- Most existing copper services are reconnected without additional service excavation required
- All lead services are replaced with copper pipe from the main to property line or water service valve box at SPRWS cost



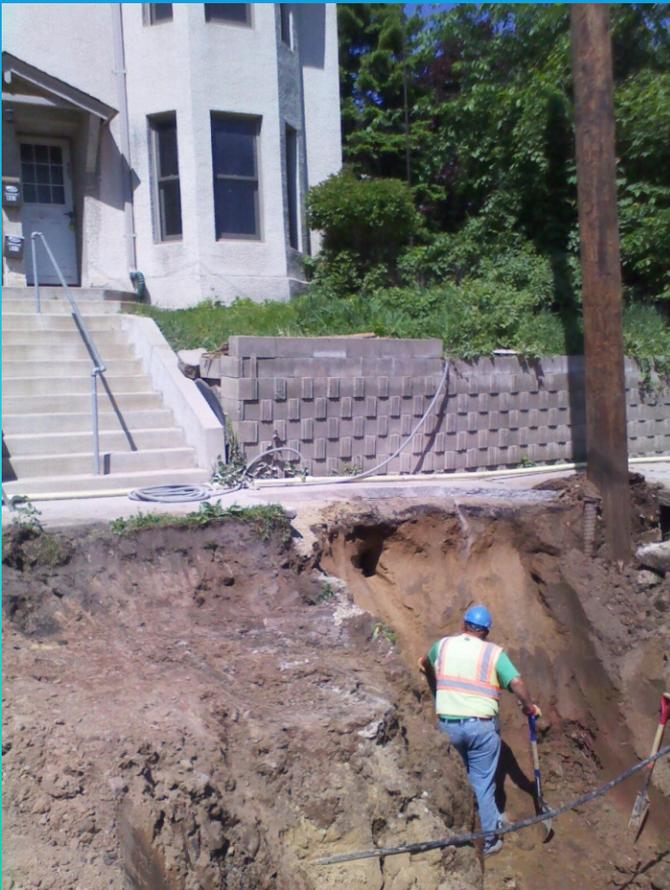
# LEAD SERVICE REPLACEMENT



- ⦿ 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 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 Information

- **Graeme Chaple**

*Damage Prevention and Inspections Supervisor*

Cell: 651.775.3030

Email: [graeme.chaple@ci.stpaul.mn.us](mailto:graeme.chaple@ci.stpaul.mn.us)

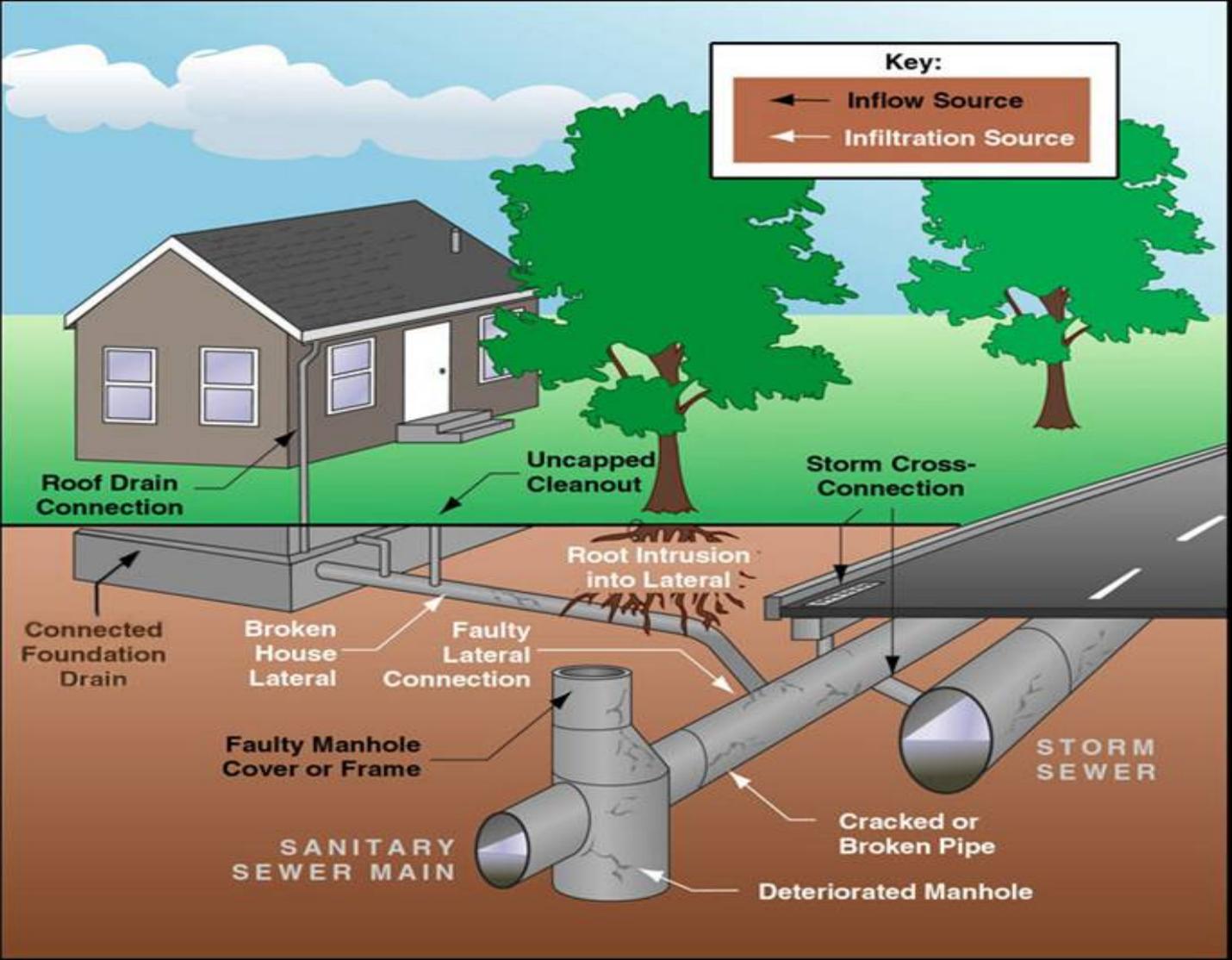
- **SPRWS Engineering Service Desk**

651.266.6270

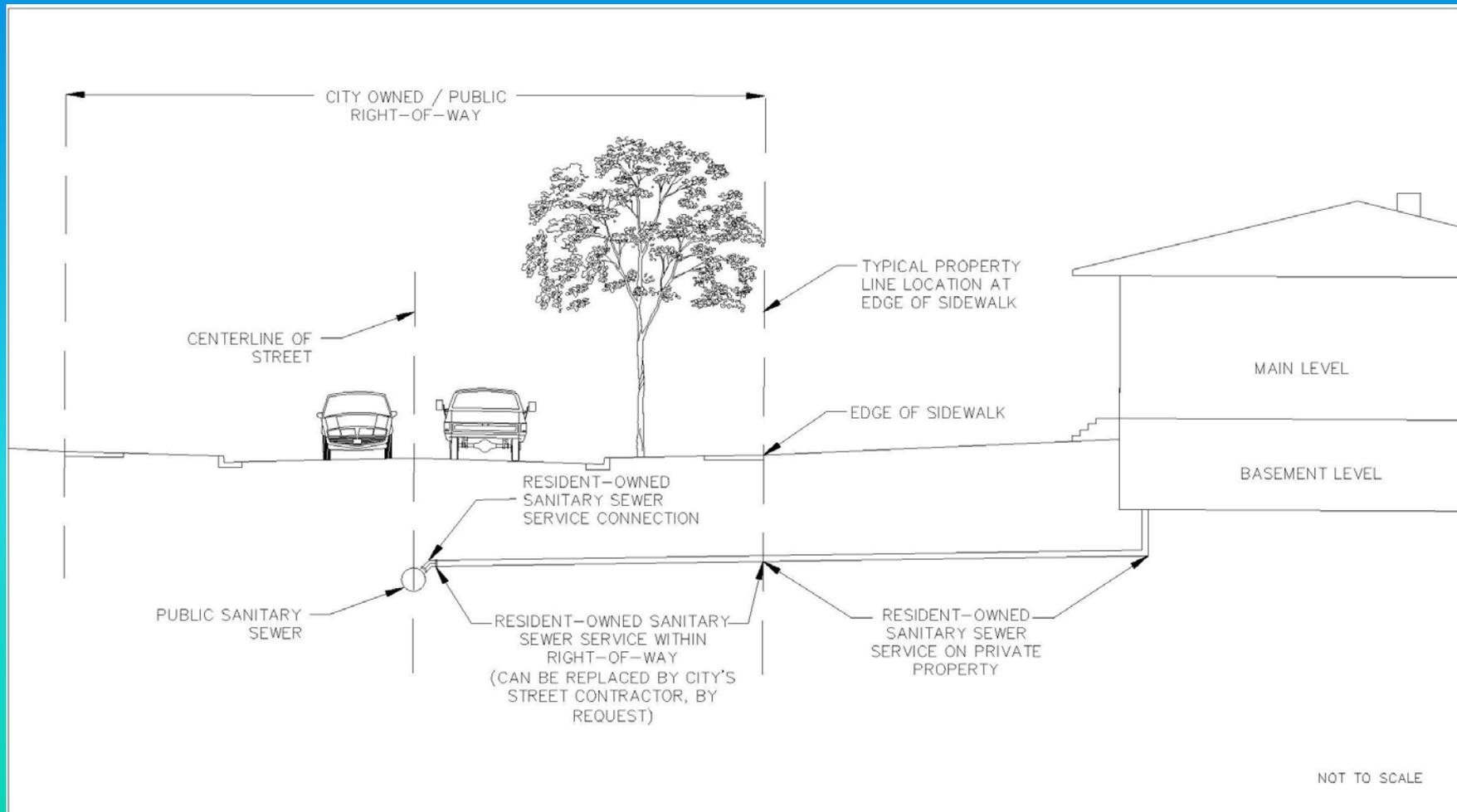
1900 Rice St

Saint Paul, MN 55113

# SANITARY SEWER SERVICE ISSUES



# SANITARY SEWER SERVICE (TYPICAL)



# SANITARY SEWER SERVICE COST COMPARISON INFO

## Replacing Your Sewer Service (from Main to Property Line)

### “DURING” RSVP

Approx. \$2,900

- Cost to Property Owner can be spread out over a 20-year term/assessment
- No street restoration costs

### “AFTER” RSVP

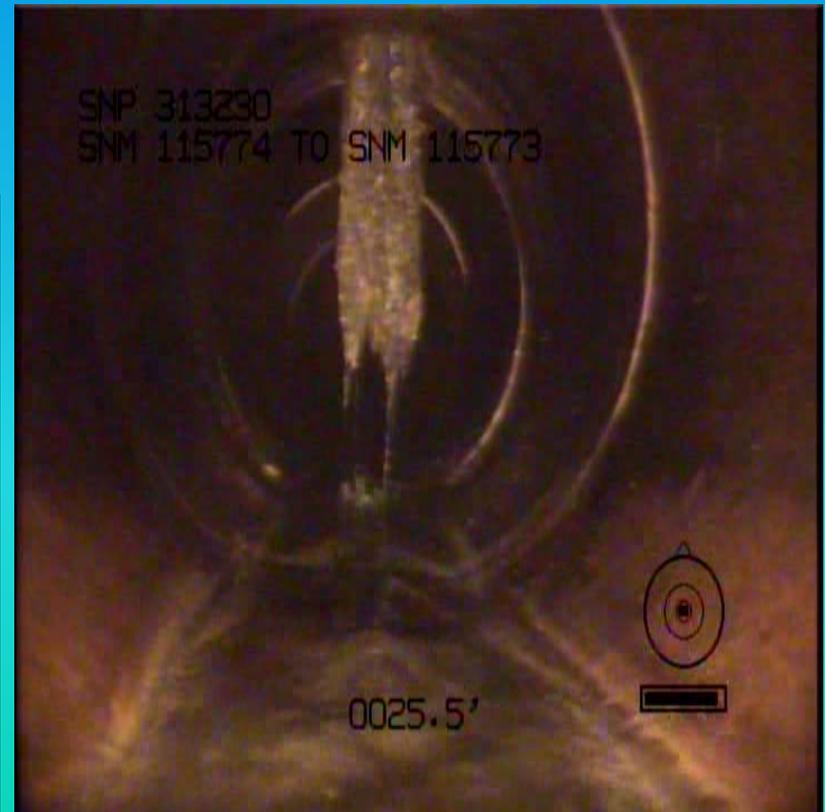
Typically More than \$5,000

- Restoration costs are paid by the Property Owner

If you are interested act now!

# COMMON SEWER PROBLEMS

- ◆ **Dropped Connection to Main**
- ◆ **Broken Clay Pipe**
- ◆ **Root Intrusion**



# BENEFITS

## of Repairing Sanitary Sewer Service

- ◆ **Extend System Service Life**
- ◆ **Health & Safety Issues**
- ◆ **Reduce Risk of:**
  - Sewer Backups
  - Sinkholes
  - Rodent Access
- ◆ **Cheaper during construction:**
  - fixed rate
  - don't have to pay for street restoration
  - 20 years to pay



# 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 use it for everything?
- Sinkhole or Depression near your Building, Blvd or Street?

# ROADWAY CONSTRUCTION



# MUD



# SUBGRADE PREPARATION



# PLACEMENT OF CLASS 5



# PLACING CURB



# FINAL GRADING



# GRADING BOULEVARDS



# PLACING ASPHALT WEAR COURSE



# SAW AND SEAL JOINTS



# PROJECT FUNDING

- 75% Street Improvement Bonds (repaid by Property Taxes)
- 25% Assessment to Property Owners
- The 2015 Assessment rates have not been set yet. We anticipate them to be between \$90 and \$95 total per linear foot of frontage for paving and street lighting.

# ASSESSMENT INFORMATION

- Assessment covers approximately 25% of the project cost
- Assessment is calculated by multiplying frontage by the City Council approved assessment rates

Example: Typical 40 foot residential property

40 ft. x \$65.53/ft. = \$2,621.20 Grade and Pave

40 ft. x \$11.60/ft. = \$ 464.00 Lighting

\$3,085.20 \*

\* based on 2014 rates

- Corner residential property - assessed for short side only

# ASSESSMENT INFORMATION

- Construction approved early 2015
- Assessments approved Fall of 2015
- Bill sent, 30 days to pay to avoid interest
- If not fully paid, annual installments automatically go on to property taxes
- Paid over 20 years with simple interest
- Senior Citizen deferment
- Sanitary sewer and water connections, done by request, are separate assessments
- View / Pay assessment at:  
[www.stpaul.gov/assessments](http://www.stpaul.gov/assessments)

# ASSESSMENT INFORMATION

- Assessments approved Fall of 2015
- Bill sent, 30 days to pay to avoid interest.
- If not fully paid, automatically goes on to property taxes at the end of the year.
- Paid over 20 years with simple interest
- Corner residential lots - assessed for short side
- Senior Citizen deferment
- View / Pay assessment at:  
[www.stpaul.gov/assessments](http://www.stpaul.gov/assessments)

# CONSTRUCTION INFORMATION

- Letter prior to start of construction.  
Keep this one for names and numbers.
- A flyer handed out a week before we start construction in your block. Check front door for flyers. 3 flyers during the course of construction.
- Public Works Inspector on site.
- Weekly updates available at 266-ROAD.
- Web Page [www.stpaul.gov](http://www.stpaul.gov) then click "Government", then "Public Works", then "Street Engineering and Construction" then "Construction and Design" from the list on left side.

# THANKS FOR ATTENDING!

## CONTACT NUMBERS

- Project Engineer – Barb Mundahl, 651-266-6112
- Street Lighting – Sonja Piper, 651-266-6256
- Traffic – Monica Beeman, 651-266-6214
- Sewers – Service Desk, 651-266-6234
- Xcel Energy – Mike Madigan, 651-265-7068
- Saint Paul Regional Water Services – Service Desk, 651-266-6270
- Forestry – Zach Jorgensen, 651-632-2437
- Real Estate Section – Lynn Moser, 651-266-8858