

# Mississippi Drive Area Street & Utility Project

CITY PROJECT 22402

OCTOBER 25, 2023



## Agenda:

Introductions

Project Location

Existing Conditions

Proposed Improvements

Project Costs and Funding

Assessments

Project Schedule

Questions?



## Project Location

- Mississippi Dr N
- Idaho Ave N
- Hampshire Ave N
- Hampshire Cir N
- Florida Ave N
- Edgewood Ct N
- Douglas Dr N
- Porter Dr
- Porter Cir N
- Colorado Ave N
- Adair Ave N
- Shepard Ln N
- Shepard Cir N
- Riverview Ln N
- Riverview Entry N
- Riverview Cir N
- Welcome Ln N
- Welcome Cir N
- Welcome Ave N
- Vera Cruz Ave N

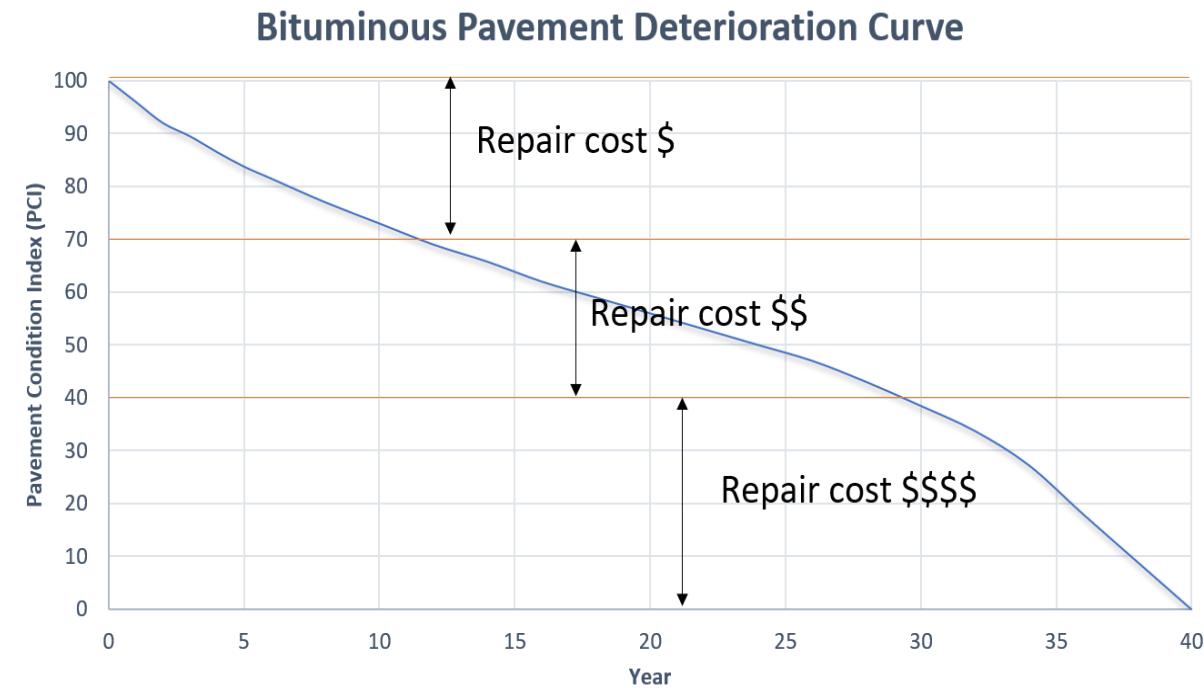
3.6 miles of roadway  
Original construction 1973-1987  
331 impacted properties





# Pavement Condition Index

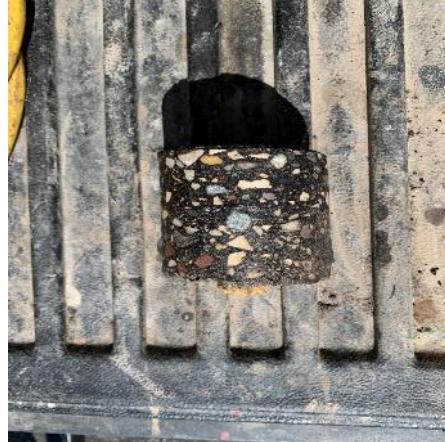
- Used for Capital Planning and prioritization
- Ranks pavements on a scale according to the amount of pavement deterioration that is visually evident
- Ratings are completed on a three-year cycle with one third (1/3) of the City rated each year
- Rating completed by private independent pavement management company, Goodpointe Technology Inc.
- PCI ratings represent visual pavement condition





## Geotechnical Analysis

- Pavement Core and Soil Borings, in addition to PCI are considered when determining the street improvement
  - Pavement cores identify the structural integrity of the pavement
  - Soil borings determine the materials and soil conditions present beneath the pavement



*Pavement cores*



*Soil boring*



Mississippi Dr N: PCI 48-94



**Idaho Ave N: PCI 46**



Hampshire Ave N: PCI 31-53



Hampshire Cir N: PCI 69



Florida Ave N: PCI 56



**Edgewood Ct N: PCI 61-76**



Porter Dr: PCI 50-74



Porter Cir N: PCI 78



Colorado Ave N: PCI 95



Adair Ave N: PCI 81



Shepard Ln N: PCI 76



**Shepard Cir N: PCI 88**



Riverview Ln N: PCI 86



Riverview Entry N: PCI 80



Mississippi Dr  
Riverview Cir

Riverview Cir N: PCI 88



Welcome Ln N: PCI 83-86



Welcome Cir N: PCI 71



Welcome Ave N: PCI 78-79



Vera Cruz Ave N: PCI 76

# Proposed Improvements

- Street reclaim and pave
- Spot curb replacement
- ADA improvements to trail entrances
- Storm sewer improvements
- Watermain improvements
- Reset Sanitary Manhole Castings & Rings
- Street light improvements
- Re-sod or re-seed disturbed areas





## Street Improvements

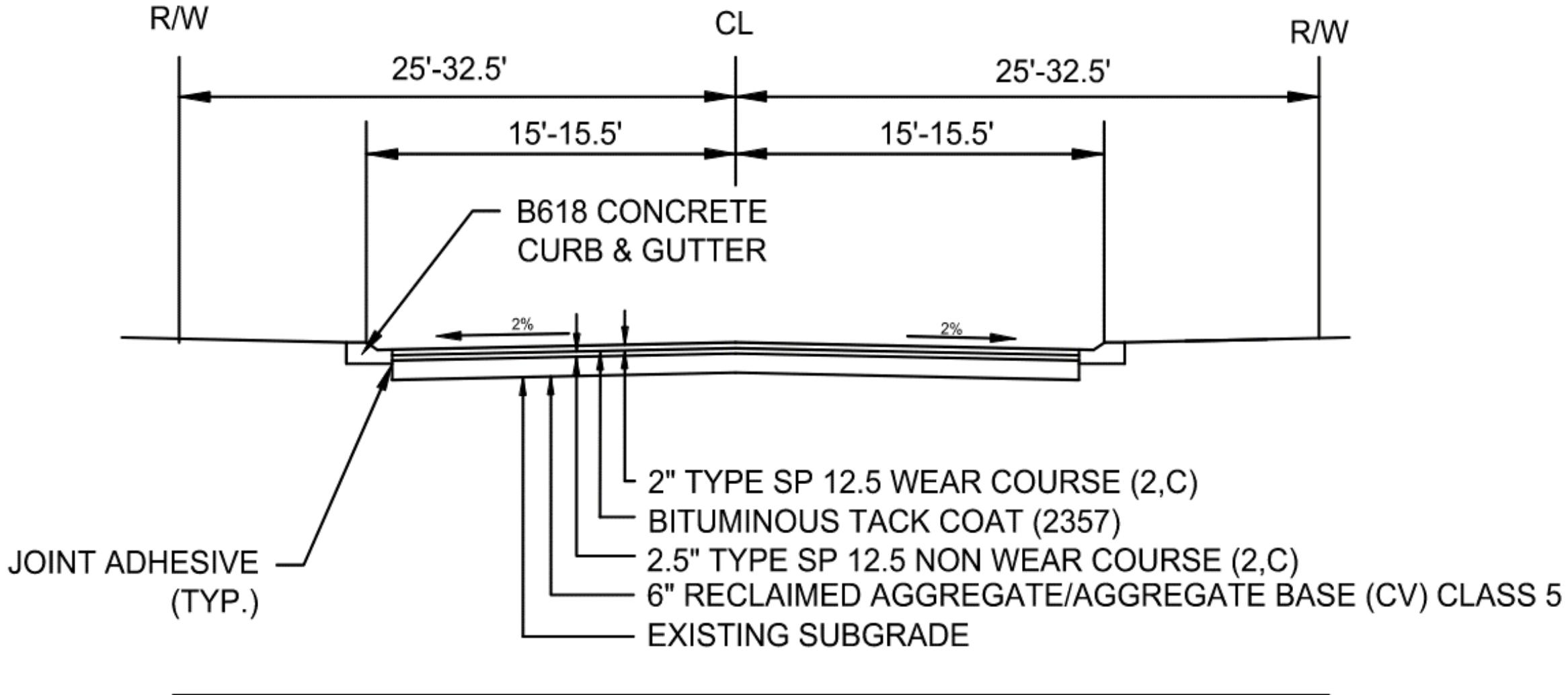
- Reclaim/Remove existing pavement
- New road base section
- Bituminous paving – 2 lifts
- Maintain existing width
- Curb will be spot removed, and replaced in-kind



Spot Curb Repair

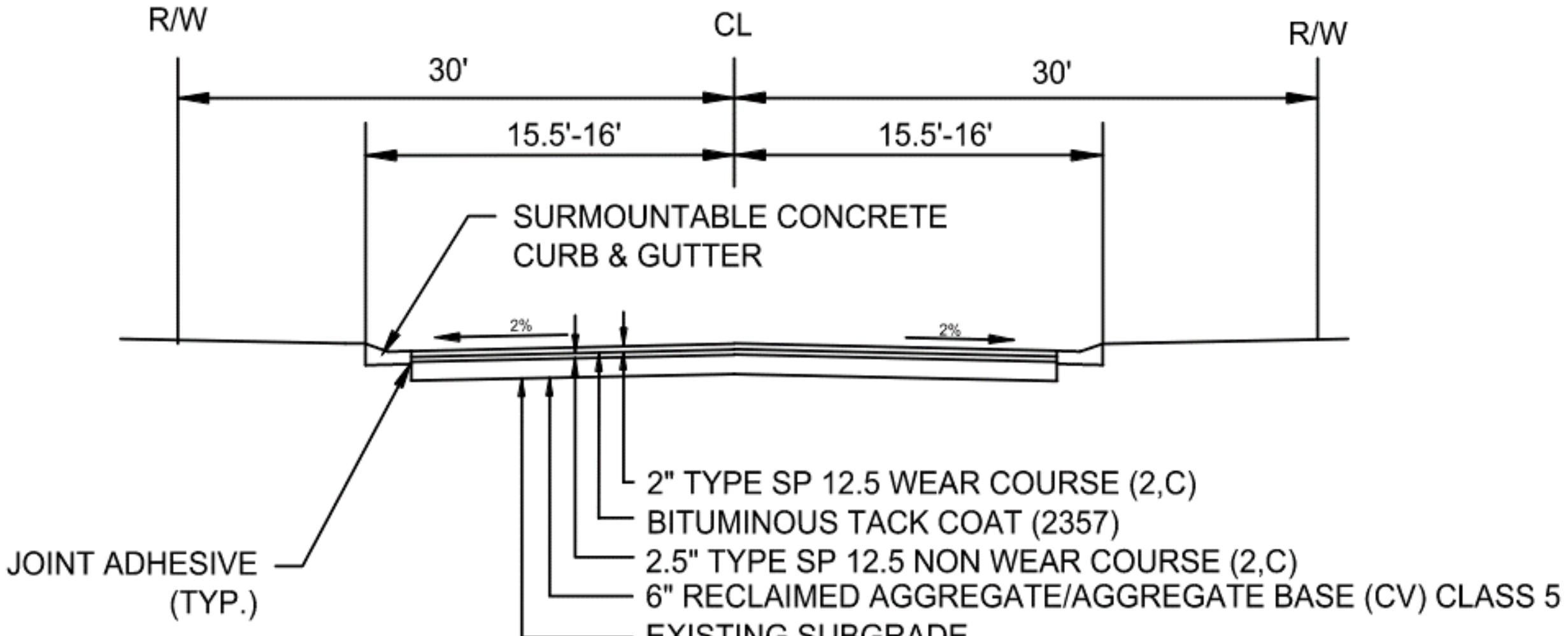


Pavement Removal and Grading

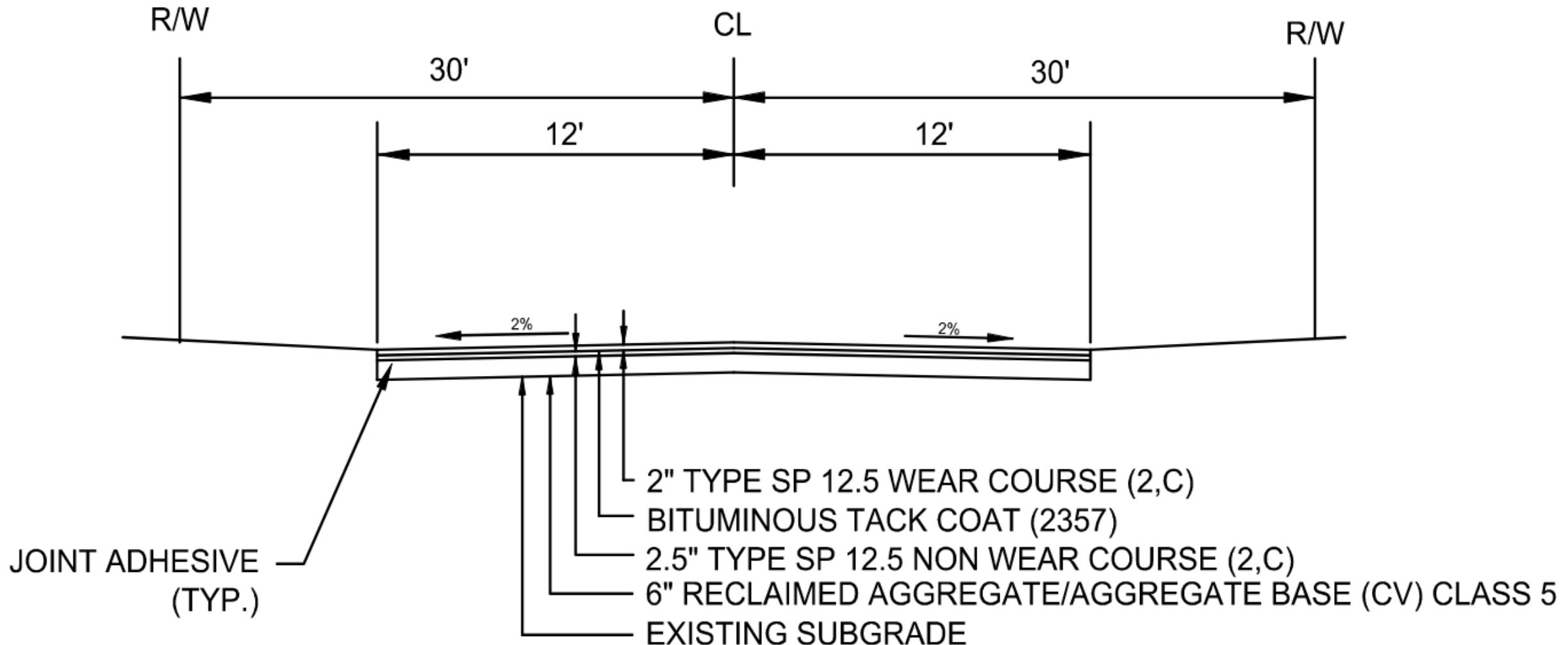


FULL DEPTH RECLAMATION WITH SPOT CURB REPLACEMENT

VERA CRUZ AVE N, WELCOME AVE N, WELCOME LN N, WELCOME CIR N, RIVERVIEW CIR,  
 RIVERVIEW ENTRY N, RIVERVIEW LN N, SHEPARD CIR N, SHEPARD LN N, ADAIR AVE N,  
 PORTER DR FROM 12018 PORTER DR TO ADAIR AVE N, COLORADO AVE N, FLORIDA AVE N,  
 HAMPSHIRE CIR N, HAMPSHIRE AVE, IDAHO AVE N, AND MISSISSIPPI DR N



FULL DEPTH RECLAMATION WITH SPOT CURB REPLACEMENT  
PORTER CIR N, EDGEWOOD CT N, AND PORTER DR FROM EDGEWOOD CT N TO 12018  
PORTER DR



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FULL DEPTH RECLAMATION WITH BITUMINOUS CURB REMOVAL  
DOUGLAS DR N



# Street Improvements

## Restoration

- Yard areas behind curb repairs will be seeded (Typically limited to 2 feet or less behind curb)
- Larger yard impacts due to utility work will be sodded
- Sprinkler systems impacted by curb or utility work will be repaired by the contractor
- Contractor maintains sod/seed for 30 days

## Mailboxes

- May be impacted by curb repairs or utility work
- Impacted mailboxes will be salvaged and reinstalled at the end of construction
- No new mailboxes proposed

## Driveways

- Impacts due to curb replacement or utility improvements
- All driveways will be replaced in-kind



Sodding Areas for Utility Work



Seeding for Spot Curb Replacement and Non-yard areas



## Sidewalk/Trail Improvements

- Improve ADA with addition of ped ramps
  - Edgewood Ct N
  - Mississippi Dr N (North Section)



Sidewalk Pedestrian Ramp



## Sanitary Sewer Improvements

- Replace Manhole Castings
- Install Chimney Seals
- Manhole repairs as needed





## Water System Improvements

### Water Service Curb Stop Replacement

- City reviews:
  - Valve box operation and function
  - Valve box condition
- Curb stops or cover lids are replaced if non-functioning
  - Property owners have been notified
  - If the curb stop is located in the driveway, driveway pavement will be removed and replaced in kind

### Watermain gate valve bolt replacement in the street





## Driveway Work

- **Only** where Water shutoff (curbstop) valve repairs are necessary
  - Will reach out prior to individual homeowners in the Spring
- **Only** where spot curb is required at the end of your driveway





# Storm Sewer Improvements

## Storm Sewer

- Install additional catch basins
- Improve storm water collection and conveyance
- Underground water quality treatment structure installation





# Street Lighting and Sign Improvements

## Street Lighting

- New LED street lighting per City Standard
- 250-350 ft Spacing
- Alternating sides of street
- Underground conduit installation behind the curb
- Electrical service box installation

Street name sign replacement throughout project,  
rest of signs to remain



Residential Street Light

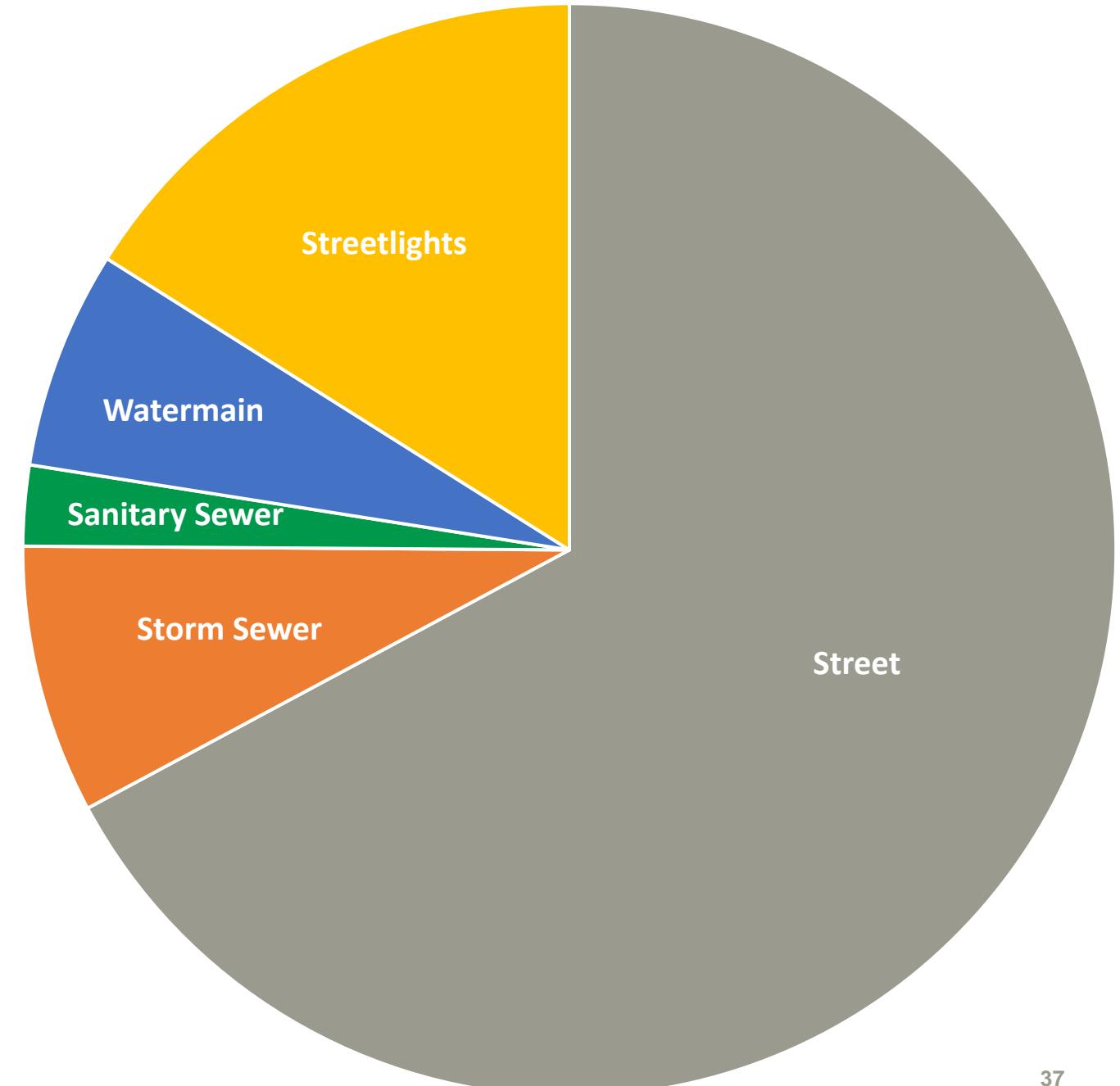


Collector Rd Intersection Light



## Estimated Project Costs

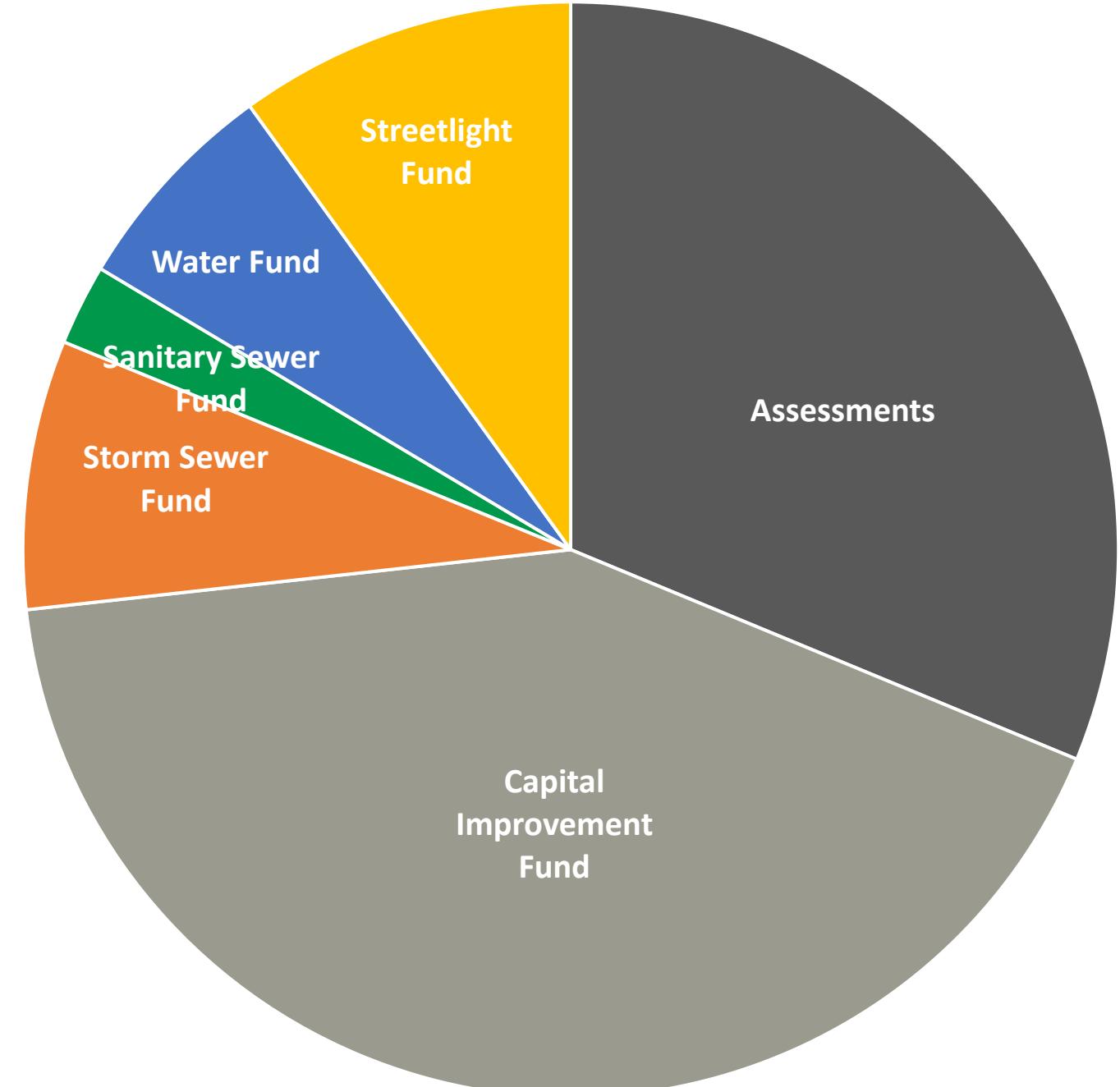
Improvement	Estimated Cost
Street Improvements	\$3,735,827
Storm Sewer Improvements	\$441,896
Sanitary Sewer Improvements	\$132,460
Watermain Improvements	\$359,197
Streetlight Improvements	\$892,692
<b>TOTAL ESTIMATED COST</b>	<b>\$5,562,072</b>

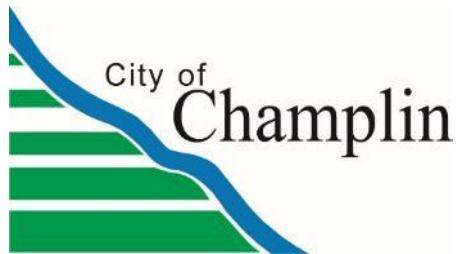




## Project Funding Sources

Funding Source	Total
Assessments to benefitting properties	\$1,738,160
Capital Improvement Fund	\$2,335,907
Storm Revenue Fund	\$441,896
Sewer Revenue Fund	\$132,460
Water Revenue Fund	\$359,197
Street Lighting Fund	\$554,452
<b>TOTAL</b>	<b>\$5,562,072</b>





# Assessments

## Residential

- Reconstruct Street with Street Lights

Reclaim and Pave Street	\$4,560.00 per unit
<u>Streetlights</u>	<u>\$1,120.00 per unit</u>
<b>TOTAL</b>	<b>\$5,680.00 per unit</b>

## Commercial

- Reconstruct Street with Street Lights: \$150.00/front foot

Corner lots assessed based on short side improvements

Public Hearing on November 13, 2023, to finalize the assessment amount





## Assessment Payment Methods

### Payment Terms:

- 5 year
- Interest rate is 1% over the prime rate. Final rate determined on August 1, 2024.

### Option 1:

- Pre-pay partial or full assessment amount without interest to the City by end of day November 15, 2024

### Option 2:

- Pay assessment with property taxes over a 5-year period with interest starting in 2025
- First year's interest is from November 1, 2024, thru December 31, 2025
- Pay remaining entire balance by November 15<sup>th</sup> in any subsequent year
- No partial payments allowed

Senior Citizen and Disabled Deferred Assessment Program- Must meet income and eligibility requirements and submit application.



## Preliminary Project Schedule

### **Neighborhood Informational Meeting**

**October 25, 2023**

Receive Feasibility Report – Call Public Hearing

November 13, 2023

Public Hearing on the Proposed Improvements

November 13, 2023

Final Design

November 2023 – January 2024

Neighborhood Meeting prior to Construction Start

May 2024

Construction

May – September 2024

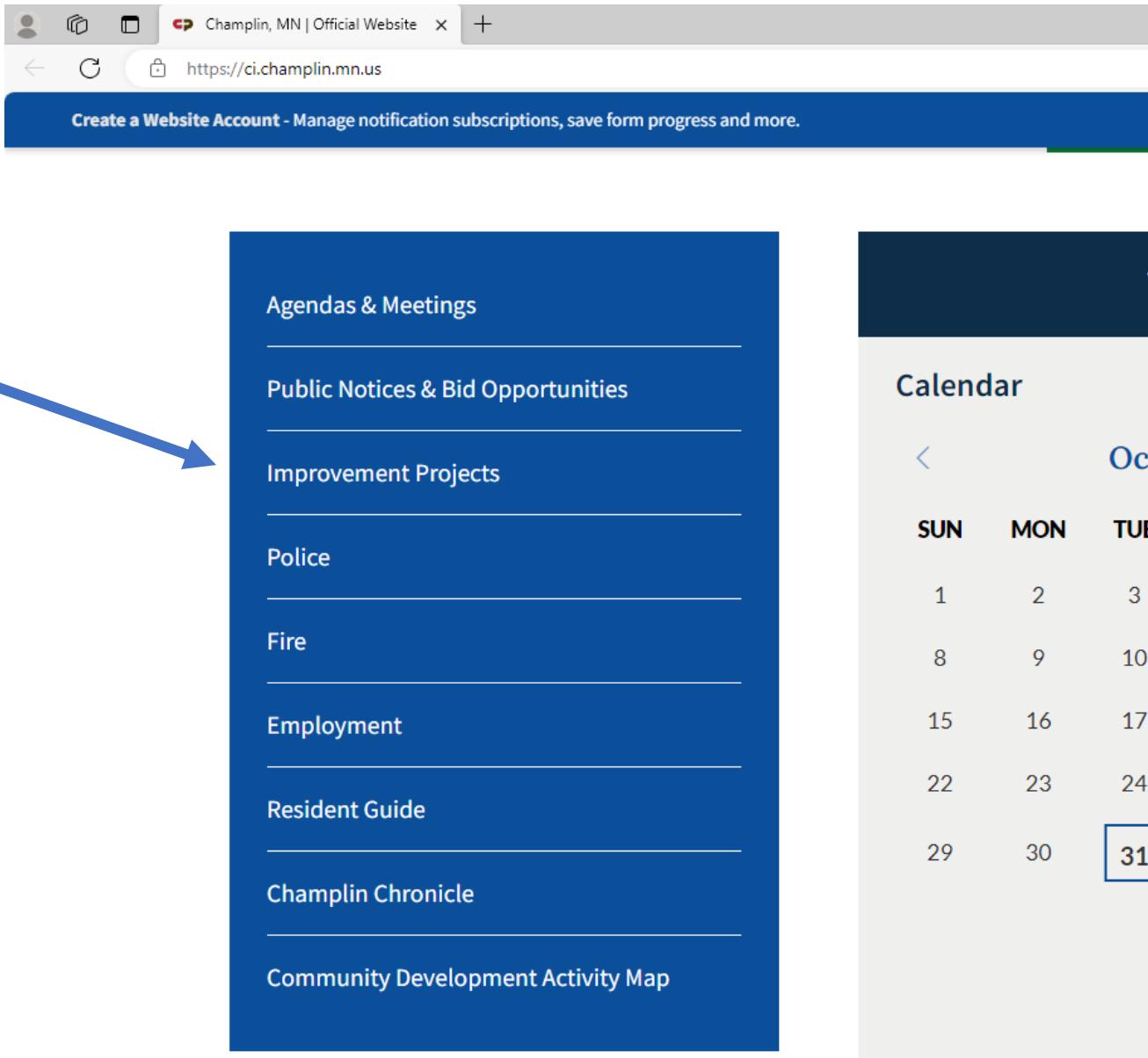
Assessment Hearing

Fall 2024



# Questions?

- This presentation and future postings will be placed on the City of Champlin website under Improvement Projects
- <https://ci.champlin.mn.us/champlin-road-projects/>
- Prior to construction there will be a project email address and hotline number to submit questions or concerns.
- For now, you can email [cityengineering@ci.champlin.mn.us](mailto:cityengineering@ci.champlin.mn.us) or call City Hall at 763-421-8100.



A screenshot of the City of Champlin website homepage. At the top, there is a navigation bar with icons for user profile, search, and menu, followed by the text "Champlin, MN | Official Website" and a link to "https://ci.champlin.mn.us". Below the navigation is a blue header bar with the text "Create a Website Account - Manage notification subscriptions, save form progress and more." On the right side of the page, there is a sidebar with a "Calendar" section showing the month of October with days 1 through 31. The main content area features a sidebar with links to "Agendas & Meetings", "Public Notices & Bid Opportunities", "Improvement Projects", "Police", "Fire", "Employment", "Resident Guide", "Champlin Chronicle", and "Community Development Activity Map". A blue arrow points from the text "https://ci.champlin.mn.us/champlin-road-projects/" in the list above to the "Improvement Projects" link in the sidebar.