

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

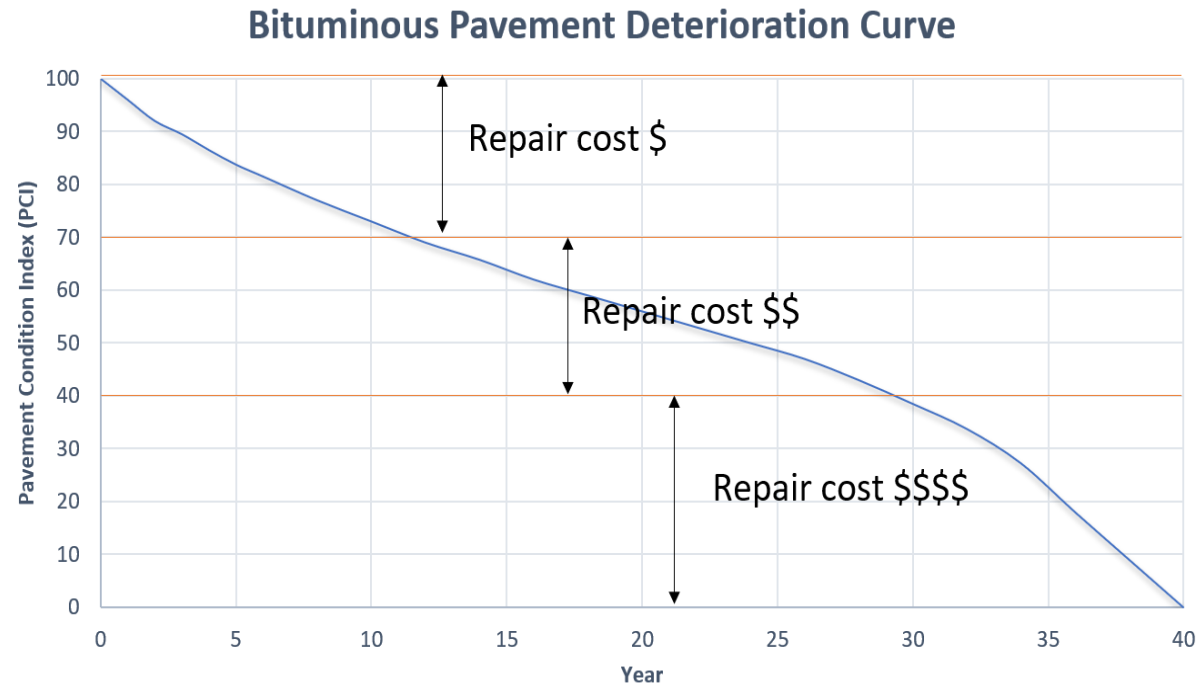
3.6 miles of roadway
Original construction 1973-1987
331 impacted properties





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



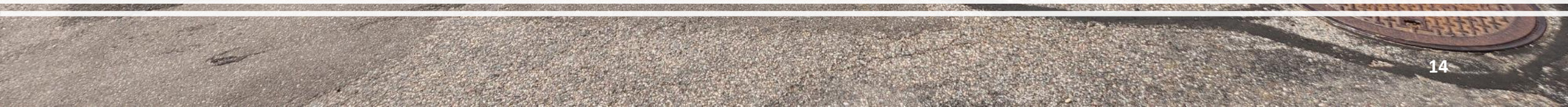
Porter Dr: PCI 50-74



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



Riverview Cir N: PCI 88



Welcome Ln N: PCI 83-86



Welcome Cir N: PCI 71



Welcome Ave N: PCI 78-79

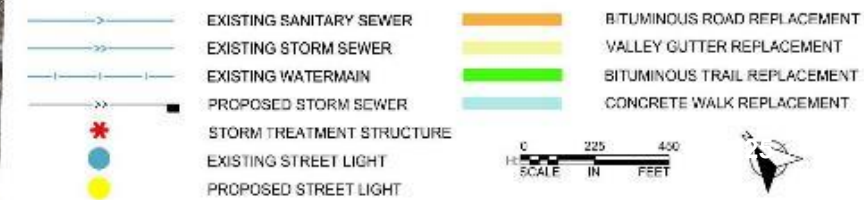


Vera Cruz Ave N: PCI 76

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

LEGEND





Street Improvements

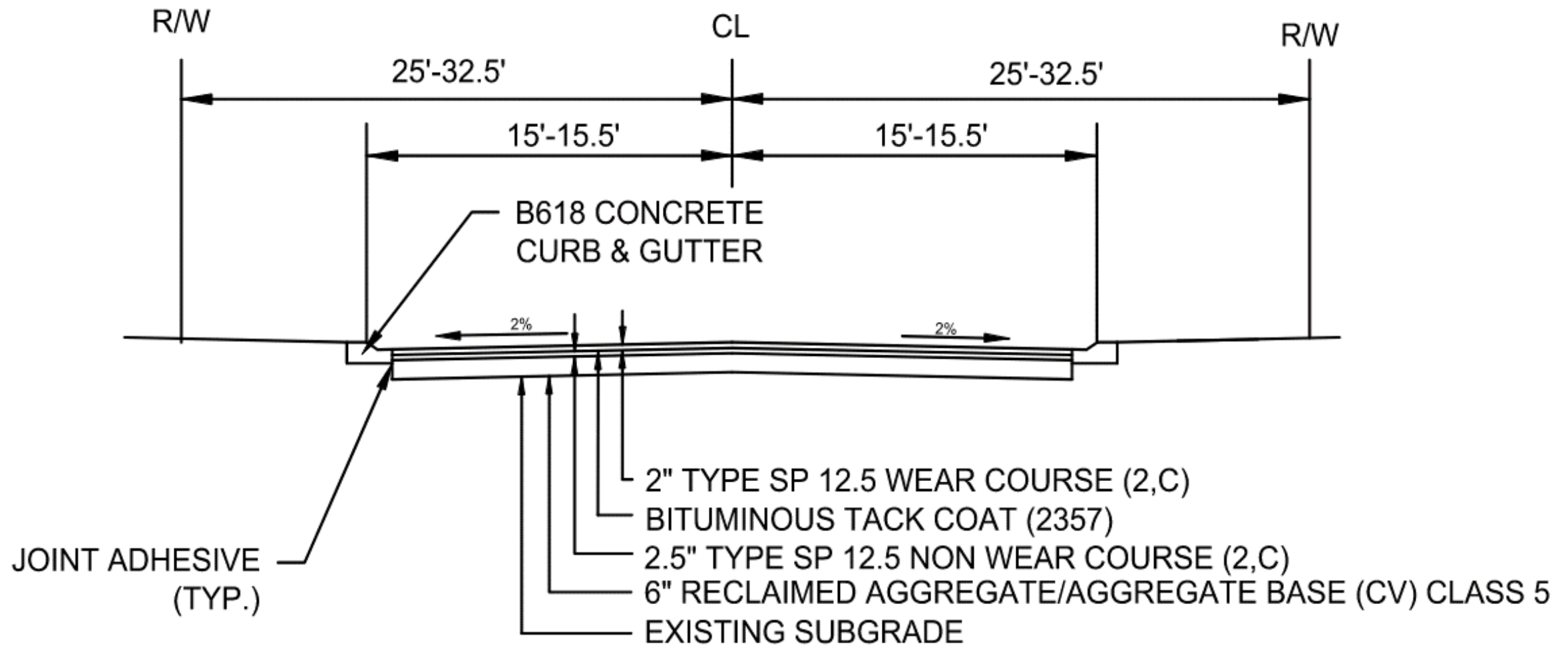
- Reclaim/Remove existing pavement
- New road base section
- Bituminous paving – 2 lifts
- Maintain existing width
- Curb will be spot removed, and replaced in-kind



Spot Curb Repair

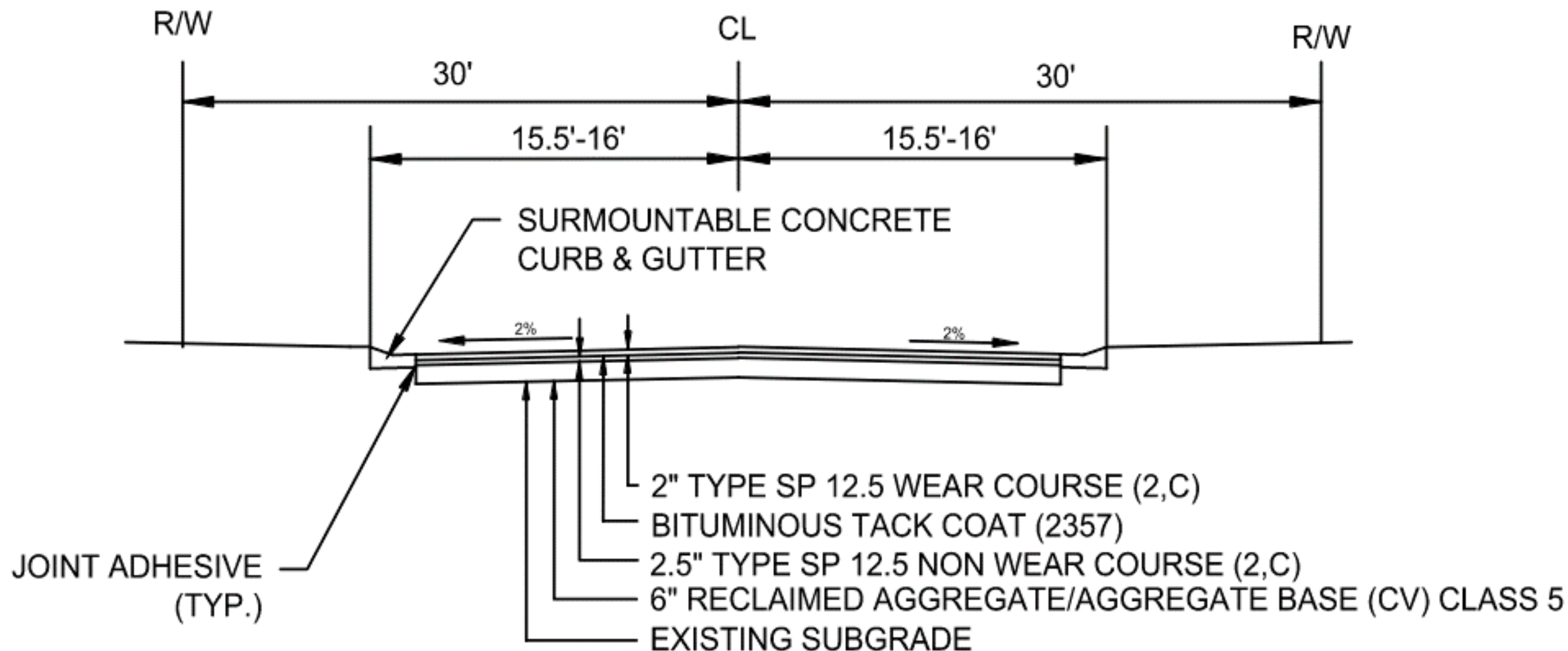


Pavement Removal and Grading

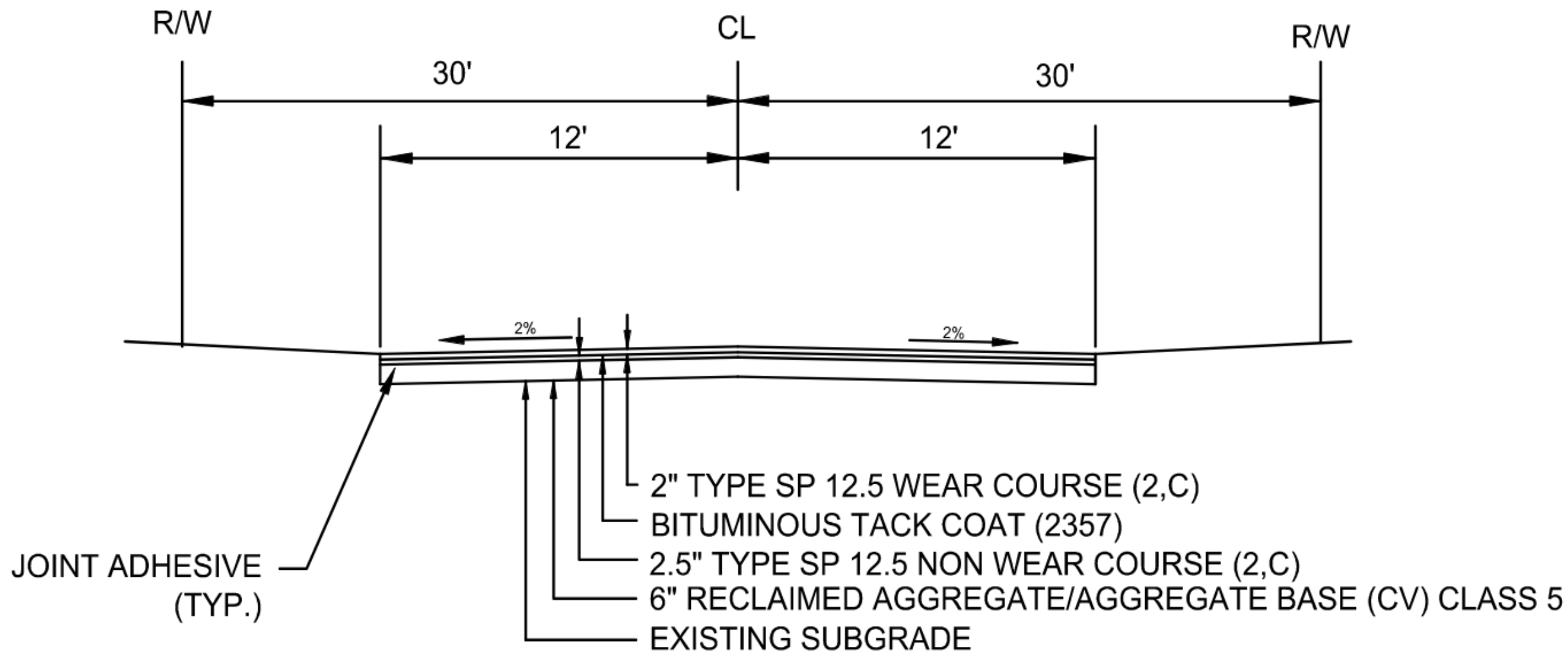


FULL DEPTH RECLAMATION WITH SPOT CURB REPLACEMENT

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



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

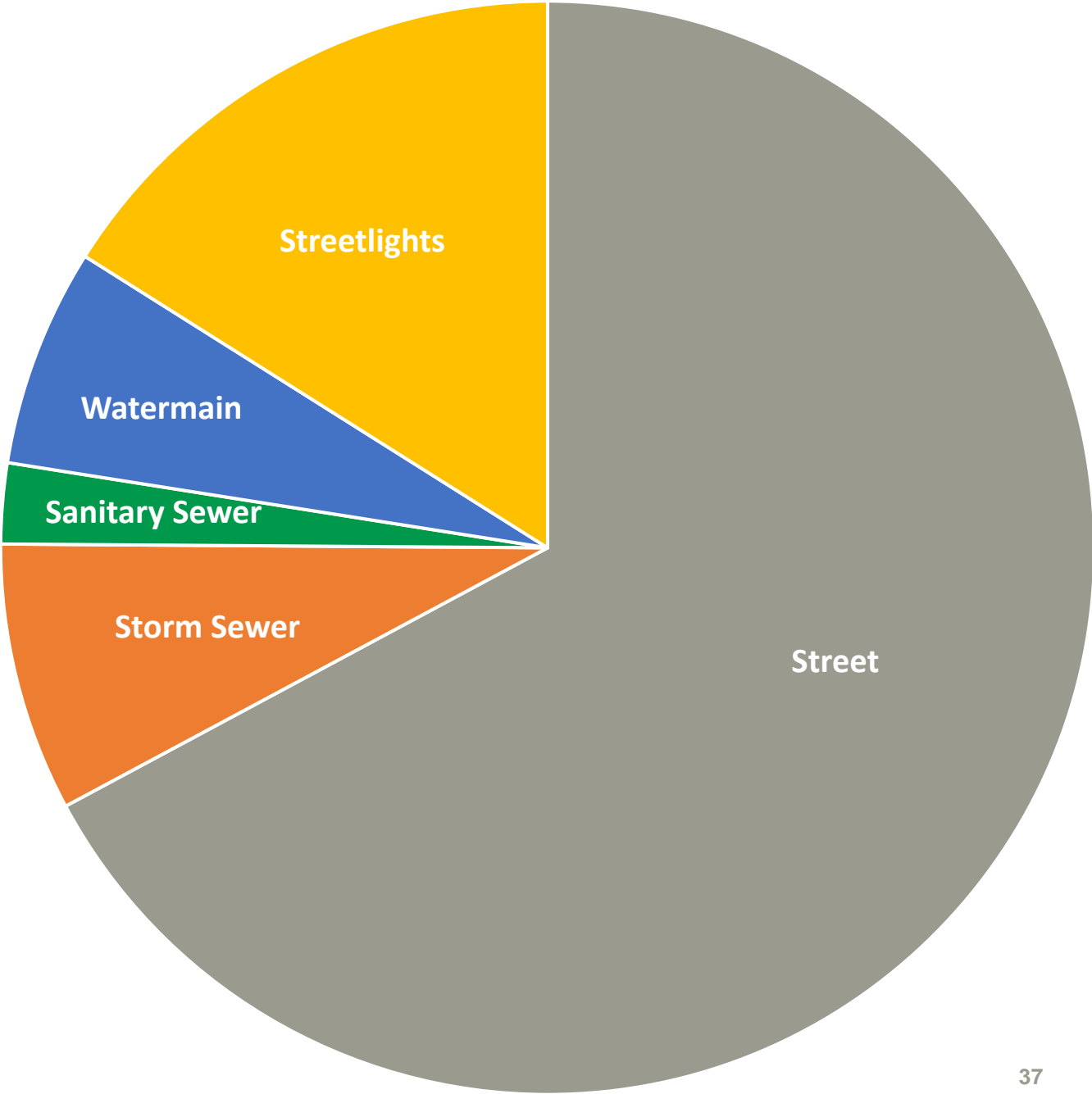


Collector Rd Intersection Light



Estimated Project Costs

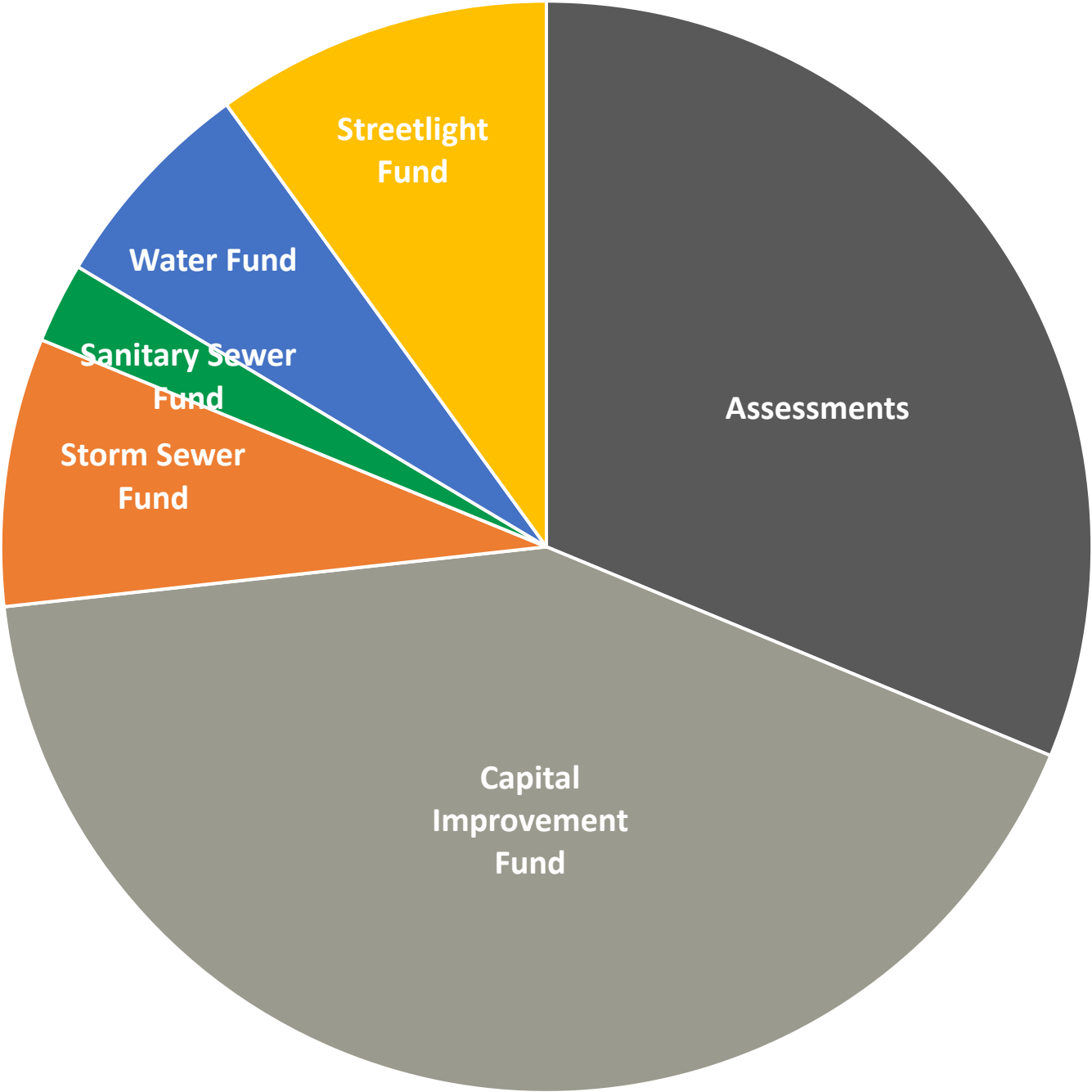
Improvement	Estimated Cost
Street Improvements	\$3,735,827
Storm Sewer Improvements	\$441,896
Sanitary Sewer Improvements	\$132,460
Watermain Improvements	\$359,197
Streetlight Improvements	\$892,692
TOTAL ESTIMATED COST	\$5,562,072





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
TOTAL	\$5,562,072





Assessments

Residential

- Reconstruct Street with Street Lights

Reclaim and Pave Street	\$4,560.00 per unit
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<u>Streetlights</u>	<u>\$1,120.00 per unit</u>
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TOTAL	\$5,680.00 per unit
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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 15th 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 or call City Hall at 763-421-8100.

