2024 CAPITAL IMPROVEMENT PROJECTS

STREET CONSTRUCTION

PARKS IMPROVEMENT

PUBLIC WORKS EQUIPMENT PURCHASING

2024 ROAD CONSTRUCTION CAPITAL PROJECTS

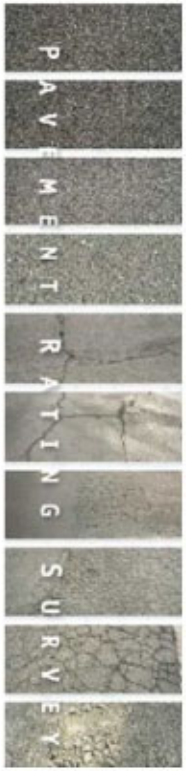
CITY OF STOUGHTON

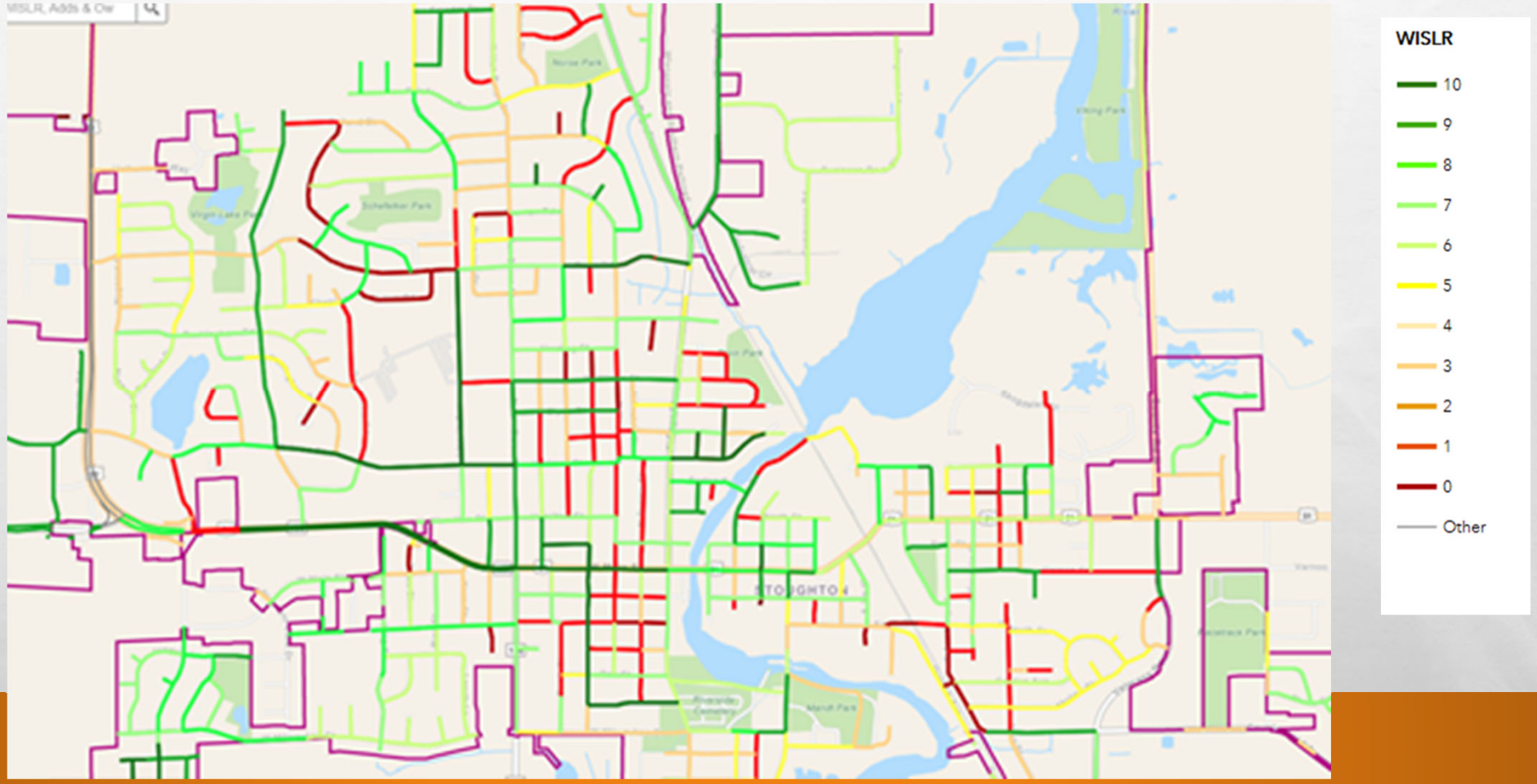
HOW ARE ROADS SELECTED FOR RESURFACING?

- PACER RATING *(PAVEMENT SURFACE EVALUATION AND RATING)*
- TYPE OF ROADWAY (RESIDENTIAL OR COLLECTOR)
- TRAFFIC VOLUME
- PLANNED UNDERGROUND UTILITY WORK (COLLABORATION WITH SU)
- DOT PLANNED WORK

PASER RATING BREAKDOWN

Quality	Rating	Treatment (Asphalt)
Excellent	9-10	No Maintenance Required
Good	7-8	Crack Sealing and Minor Pathing
Fair	5-6	Crack Sealing and Asphalt Patching
Poor	3-4	Structural Renewal (Overlay)
Failed	1-2	Reconstruction




WISLR
10
9
8
7
6
5
4
3
2
1
0
Other

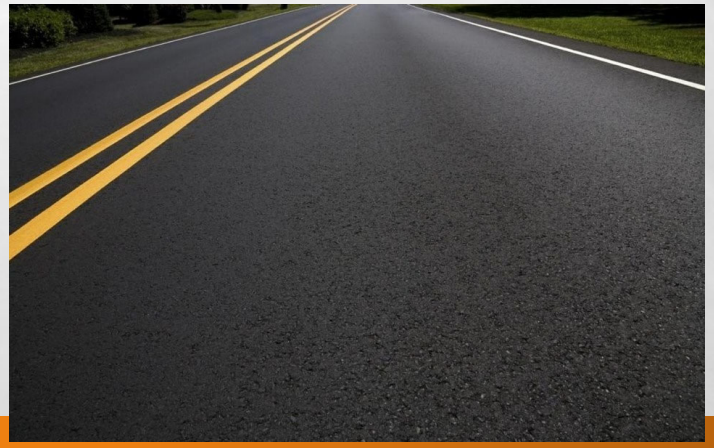
STATE AIDS FOR ROADWAYS

*General Transportation Aid 2022.....$1,306,307.00
Connecting Highway Aids 2022.....$73,690
Total.....$1,379,997
*GTA Formula (whichever is greater)
Rate per mile.....$2,681
or
Share of Costs – Based on the amount we spend on road improvements over a six year average.

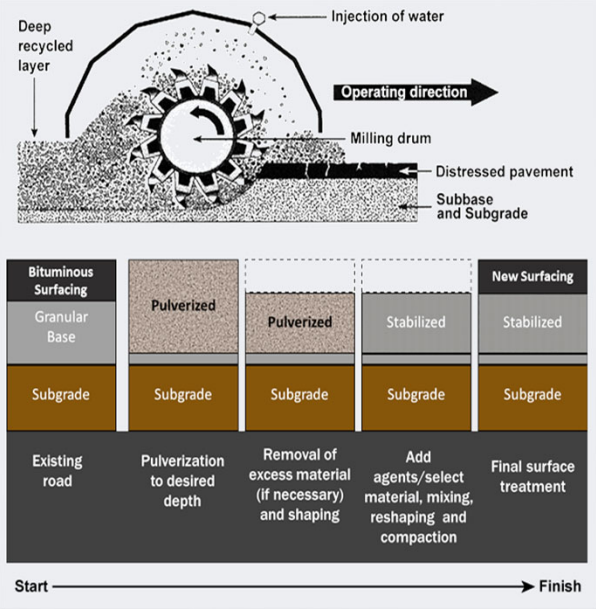
General Road Aids and Connecting Highway Aids

	General Road Aids	Connecting Highway Aids
2015	$526,383	$51,084
2016	$557,407	$50,931
2017	$574,830	$51,612
2018	$661,055	$51,895
2019	$760,213	$51,860
2020	$874,245	$51,730
2021	$1,005,381	$51,955
2022	$1,156,188	$81,041
2023	$1,306,306	$81,041

MILL AND OVERLAY

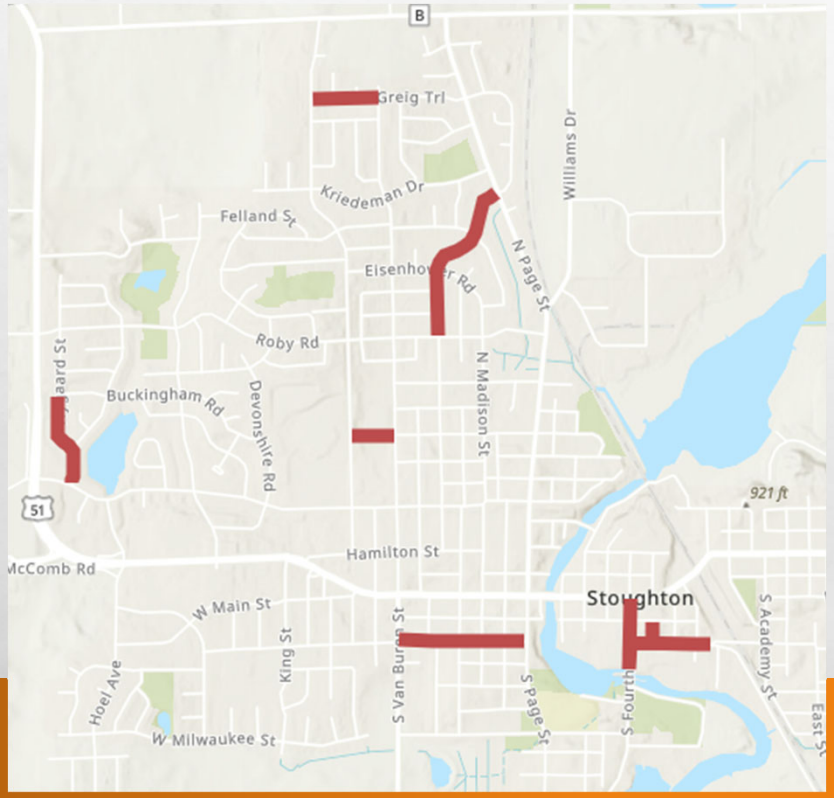


FULL DEPTH PULVERIZATION



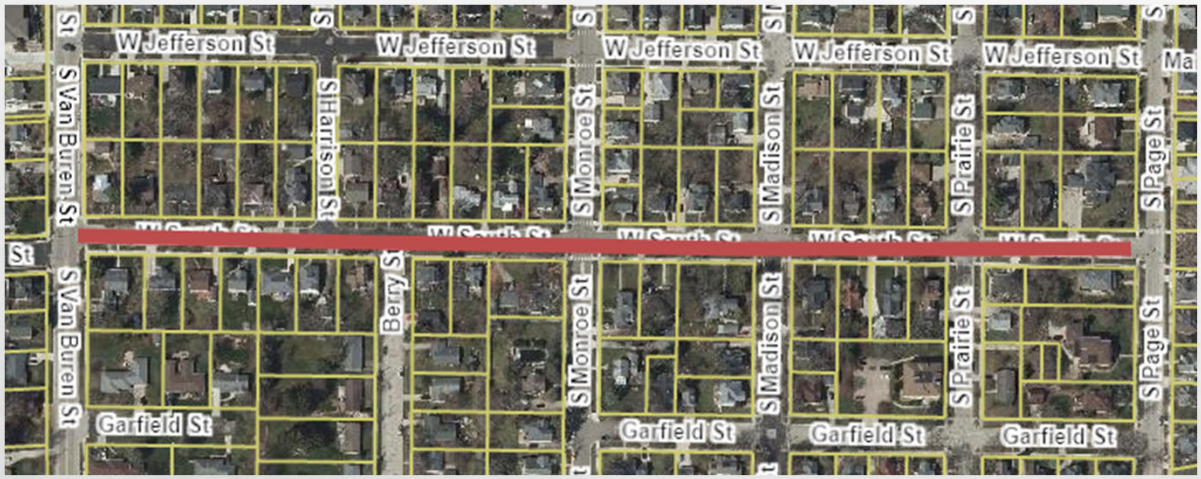
ROAD RECONSTRUCTION

2024 PROJECT LOCATIONS



Project	Construction Limits	Type of Improvement
W. South	Page to Van Buren	Reconstruction
Nygaard	Jackson to Buckingham	Pulverize
Johnson	Roby to Eisenhower	Pulverize
Johnson	Eisenhower to Page	Pulverize
Wilson	Van Buren to Lincoln	Pulverize
Grieg Trail	Lincoln to N. Van Buren	Pulverize
Fourth St	Main to Bridge	Reconstruct
East South	Fourth to W.of Eighth St	Reconstruct
Fifth	East South to Jefferson	Reconstruct

W. SOUTH STREET



Project Description:

- Page St to Van Buren St
- Reconstruct
- Water and Sanitary Sewer
- Curb and Gutter
- Sidewalk Replacement

Need:

- Poor pavement quality
- Deteriorated Curb and Gutter
- Major Route to School
- Paser Rating - 2

W South St

W South St
Google

NYGAARD STREET

Project Description:

- Jackson to Buckingham
- Pulverize and Overlay
- Spot Curb and Gutter
- Spot Sidewalk Replacement

Need:

- Deteriorating pavement under slag seal
- Major Collector
- Paser Rating – 4 and declining

JOHNSON STREET

Project Description:

- N. Page to Eisenhower
- Eisenhower to Roby
- Pulverize and Overlay
- Spot Curb and Gutter
- Spot Sidewalk Replacement
-

Need:

- Poor pavement quality
- Main Roadway to Page and Roby
- Paser Rating - 3

WILSON STREET

Project Description:

- Van Buren to Lincoln
- Pulverize and Overlay
- Spot Curb and Gutter
- Spot Sidewalk Replacement

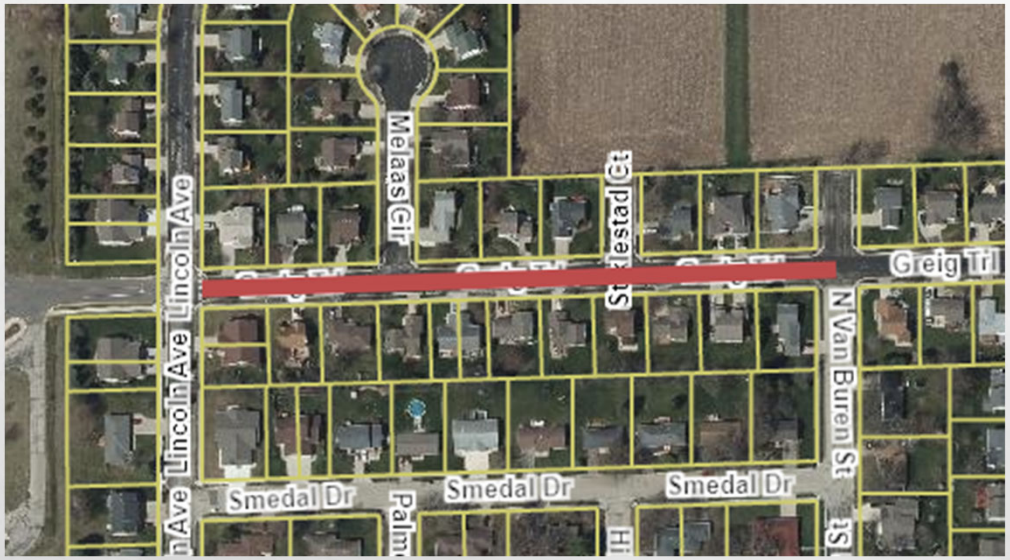
Need:

- Poor pavement quality
- Main roadway to the High School
- Significant Roadway Deterioration
- PASER Rating - 2

W Wilson St
Google

W Wilson St
Google

GREIG TRAIL



Project Description:

- Lincoln to Van Buren
- Pulverize and Overlay
- Spot Curb and Gutter
- Spot Sidewalk Replacement
- Storm Sewer Installation to drain Lincoln St Intersection

Need:

- Poor pavement quality
- Significant Roadway Deterioration
- Preparation for Lincoln St Construction in 2025
- PASER Rating – 4 and Declining

FOURTH, E. SOUTH AND FIFTH STREET

Project Description:

- Fourth - Main St to Bridge
- E. South - Fourth to west of Eighth St
- Fifth – Jefferson to E. South
- Reconstruction
- Storm Sewer Work
- Curb and Gutter Replacement
- Enhanced Pedestrian Lighting

Need:

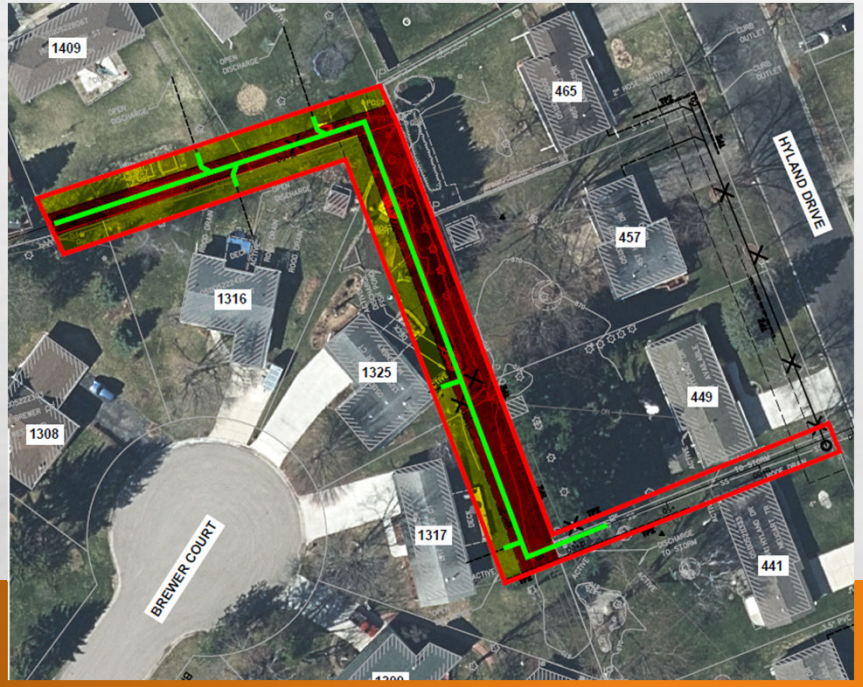
- Poor pavement quality
- Pedestrian Safety
- Major Collector Level Roadways
- PASER Rating - 3

STREET CONSTRUCTION COST BREAKDOWN

Project Description			Funding Source(s)	2024
W. South	Page to Van Buren	Reconstruction	General Obligation	3,697,121
Nygaard	Jackson to Buckingham	Pulverize		
Johnson	Roby to Eisenhower	Pulverize		
Johnson	Eisenhower to Page	Pulverize		
Wilson	Van Buren to Lincoln	Pulverize		
Grieg Trail	Lincoln to N. Van Buren	Pulverize		
*Fourth St	Main to Bridge	Reconstruct		
*East South	Fourth to W.of Eighth St	Reconstruct		
*Fifth	East South to Jefferson	Reconstruct		
W. South	Page to Van Buren	Engineering	General Obligation	412,113
Nygaard	Jackson to Buckingham			
Johnson	Roby to Eisenhower			
Johnson	Eisenhower to Page			
Wilson	Van Buren to Lincoln			
Grieg Trail	Lincoln to N. Van Buren			
*Fourth St	Main to Bridge			
*East South	Fourth to W.of Eighth St			
*Fifth	East South to Jefferson			
W. South	Page to Van Buren	Reconstruction	Storm Water	671,311
Grieg Trail	Lincoln to N. Van Buren	Pulverize		
*Fourth St	Main to Bridge	Reconstruct		
*East South	Fourth to W.of Eighth St	Reconstruct		
W. South	Page to Van Buren	Engineering	Storm Water	85,534
Grieg Trail	Lincoln to N. Van Buren			
*Fourth St	Main to Bridge			
*East South	Fourth to W.of Eighth St			

Originally looking to use TIF Funding

HYLAND SUMP PUMP DISCHARGE PHASE 2



Project Description:

- Install a header pipe East of Brewer Ct and behind 449, 457, and 465 Hyland to collect sump pump discharge.

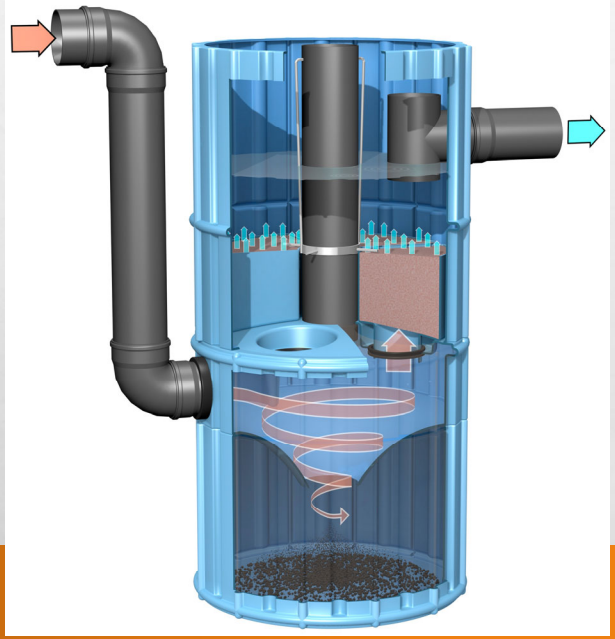
Need:

- Current sump pump discharge into the roadway creates hazardous conditions in the winter and promotes the growth of algae in the summer. We have noticed premature asphalt deterioration caused by excessive pumping into the street.

Project Cost Estimate:

Storm Water	$97,900
Engineering	$13, 350

HYDRODYNAMIC SEPERATOR – RIVERFRONT DEVELOPMENT AREA



-	Hydro Dynamic Separator	$338,000
-	Engineering	$12,000
-	Grant Funds – Dane County	-$189,500
-	Grant Funds – WDNR	-$138,000
-	Balance	$22,500

STORM WATER QUALITY MANAGEMENT PLAN

The City of Stoughton is covered by WPDES Permit No. WI-S058416-4 requiring compliance with various stormwater quality-related permit conditions as well as the Rock River Total Maximum Daily Load (TMDL) requiring significant reductions in total phosphorus (TP). To maintain compliance with the City's WPDES permit, account for stormwater quality BMPs in updated stormwater quality modeling, seek updated TP reduction for the City's leaf management program, and a stormwater best management practice (BMP) survey and review, the City is working with Strand Associates, Inc. to submit a WDNR UNPS Planning Grant Application in April 2023, to assist in funding relevant services that would be completed in 2024. On March 28, 2023, the City Council approved R-46-2023 authorizing the submittal of the grant application.

In this regard, this letter serves as a 2024 budget request for the estimated project cost of $122,000 to cover City costs until the City would receive the WDNR's 50 percent share of the project ($61,000).

SIDEWALK REPLACEMENT PROGRAM

Project Description:

- Sidewalk Replacement Initiative

Need:

- Replace Sidewalks that do not Meet ADA Standards
- Replace Sidewalks that Cause Trip Hazards

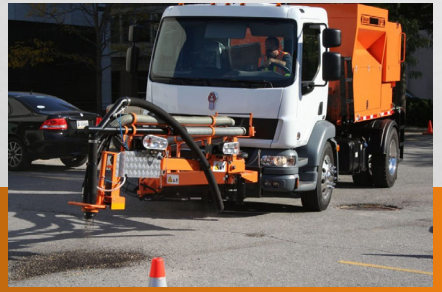
Project Cost Estimate:

- $100,000

Funding Sources:

- GO $100,000

ROADWAY PREVENTATIVE MAINTENANCE



PROJECT DESCRIPTION:

- FUNDING TO EXTEND THE LIFE OF ROADWAY PAVEMENT.

ESTIMATED PROJECT COST:

- $130,000

FUNDING SOURCE:

- GENERAL OBLIGATION (GO) 100%

ASPHALT OVERLAY PROGRAM

Project Description:

- For roads that need a full reconstruction, this program aims to bridge the gap between now and when the City and SU can afford to do a full reconstruction. This gap is typically 8-10 years

Estimated Project Cost:

- $250,000

FUTURE PROJECT ENGINEERING

- Fourth St – Milwaukee to Isham – BIL Grant Project $191,000

- 2025 DOT Majors Project – Fifth St to Chalet $25,000

- 2025 Project Engineering $100,000

- 2025 Storm Water Engineering $25,000

PARKS MAINTENANCE

CAPITAL PROJECTS

TRASH AND RECYCLING RECEPTACLES

Project Description:

- Replace 55 gallon drums

Need:

- Upgrade the aesthetic appeal of the parks with our standard trash receptacle which would replace 55 gallon drums.

Project Cost Estimate:

$6,000

ADA TRANSITION PLAN IMPLEMENTATION

Project Description:

- Install accessible walkways and ramps to access park benches, playgrounds and other features.

Need:

- Transitioning to come into compliance with ADA standards in our park system.

Project Cost Estimate:

- $35,000

Funding Sources:

- GO $35,000

EQUIPMENT REPLACEMENT

PUBLIC WORKS

EQUIPMENT SCORING

Point Ranges	Condition	Description
0-**20**	Excellent	Do not replace
21-28	Good	Re-evaluate for replacement for next year's budget
29-**35**	**Fair**	Qualifies for replacement this year if budget allows or if M/R cost exceed 60% of cost
36+	Poor	Needs priority replacement

F-150 TO REPLACE TRUCK #47

Project Description:

- Truck #47, which is a 2003, has reached the end of it's useful life. Replace with an F-150 with an 8' box.

Estimated Useful Life – 15 to 20 years

Equipment Score: _____

Project Cost Estimate:

- $48,500

Estimated Trade in Value

- $5,000

LEAF VAC #42

- PROJECT DESCRIPTION:

  - TRUCK #42, WHICH IS A 2006, HAS REACHED THE END OF IT'S USEFUL LIFE. REPLACE WITH A NEW CHASSIS MOUNTED LEAF VAC

- ESTIMATED USEFUL LIFE – 15 TO 20 YEARS

- EQUIPMENT SCORE: _____

- PROJECT COST ESTIMATE:
- - $255,000

- ESTIMATED TRADE IN VALUE
- - $20,000

TOOLCAT 5600 #36

Project Description:

- Unit #36, which is a 2016, has reached the end of it's useful life. Replace with a new Toolcat

Estimated Useful Life – 8 years

Equipment Score: _____

Project Cost Estimate:

- $66,000

Estimated Trade in Value

- $30,000

SMITHCO DIAMOND GROOMER #59

Project Description:

- Truck #59, which is a 2016, has reached the end of it's useful life. Replace with a new Diamond groomer with multiple attachments. This allows us to perform multiple tasks with one machine.
  - Drag
  - Box Blade
  - Weeder Tine Toolbar
  - Tooth Rake

Estimated Useful Life – 10 years

Equipment Score: _____

Project Cost Estimate:

- $38,900

Estimated Trade in Value

- $4,000

USED TROMMEL SCREEN

Project Description:

Process the Following products for reuse:

- Compost
- Street Sweepings
- Top Soil

Estimated Useful Life – 15-20 years

Project Cost Estimate:

- $80,000

ASPHALT ZIPPER

Project Description:

Purchase an Asphalt Zipper that pulverizes or mill asphalt to overlay new black top.

- **Still analyzing the Amundson St Project**

Estimated Useful Life – 15-20 years

Project Cost Estimate:

- $332,000
- Offset a portion of contracted costs

SLIDE IN V-BOX FOR TANDEM

Project Description:

v-box salt spready slide in will convey the salt to the rear of the tandem plow truck. It is difficult to get salt to the rear of tandem truck because it has a larger box.

Estimated Useful Life – 15-20 years

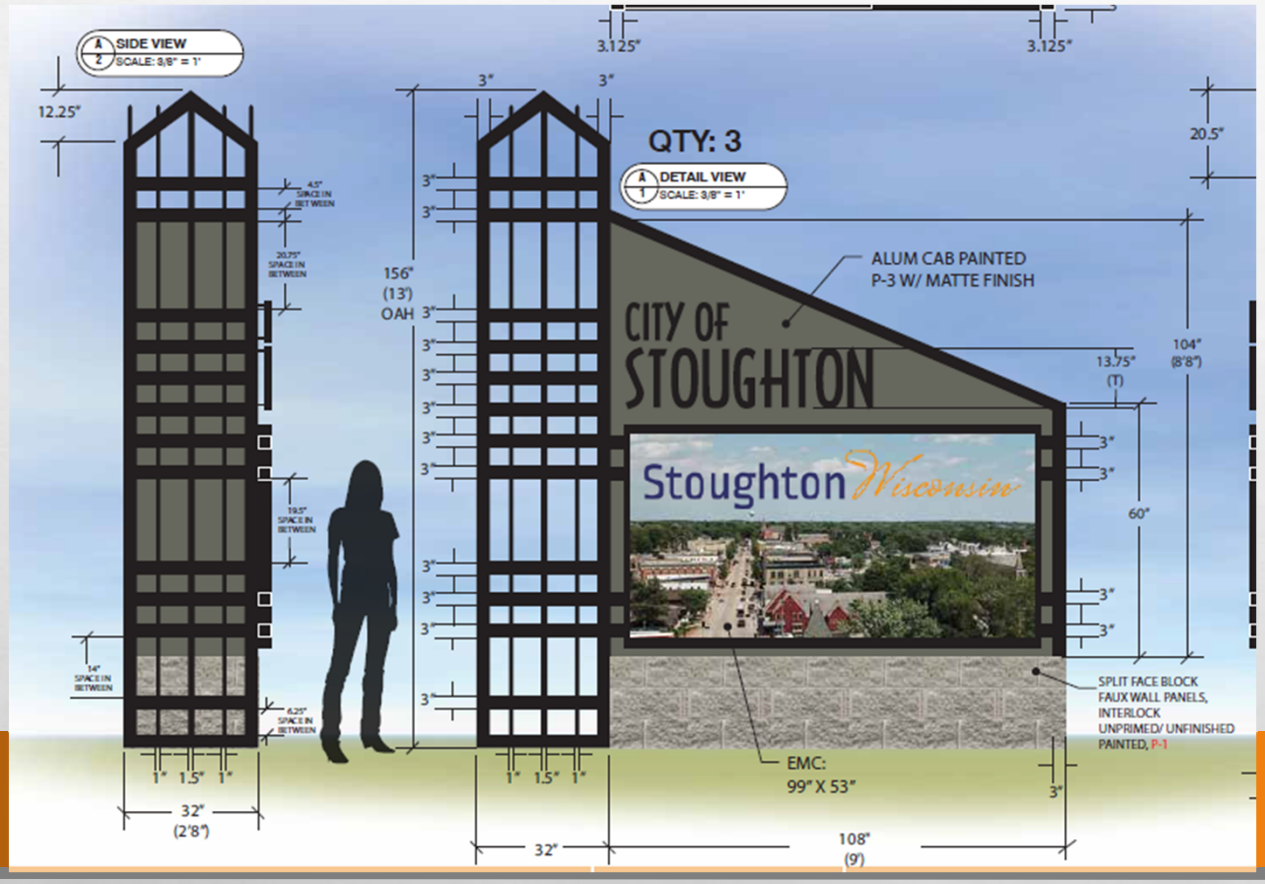
Project Cost Estimate:

- $45,000

OTHER ITMES

PUBLIC WORKS

CITY WELCOME SIGNS



Project Cost Estimate:
- $110,000

PEDESTRIAN RAPID FLASHER SIGNS

Location-

Van Buren and W. South School Route

Attic Stock

Project Cost Estimate:

- $12,800

QUESTIONS?