IMPROVEMENT HEARING

2022 FULL DEPTH RECLAMATION AND RECONSTRUCTION IMPROVEMENTS PROJECT



JANUARY 6, 2021 (6:00 PM)

1

PRESENTATION PREVIEW

- Project History
- Public Improvement Process
- Existing Conditions
- Proposed Improvements
- Assessment Procedure and Calculations
- Schedule
- Property Owner Information
- Questions

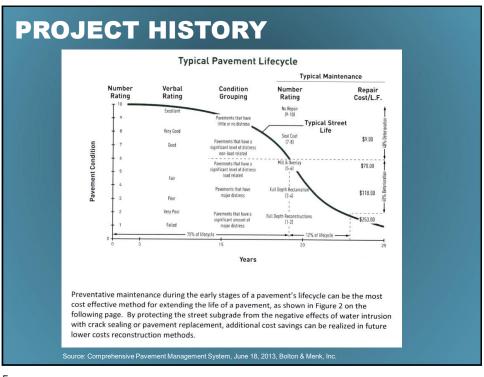
PROJECT HISTORY

- City of Baxter commissioned a pavement management plan (PMP) in 2013 to address ongoing maintenance and funding of the city's now 85.5 miles of streets.
- Study initiated due to aging of streets and associated need to increase maintenance.
- Purpose of the study:
 - Develop a PMP to preserve and/or improve quality of City's streets in a fiscally responsible manner
 - Develop and implement a plan considering immediate and long-term needs
 - Prepare systematic plan for routine evaluation with sustainable funding
 - Provide information for better communication and decision making

3

PROJECT HISTORY

- PMP study recommended dramatically increasing street maintenance budget to maintain all streets with a condition rating of 5 and above, targeting preservation improvements first with a sealcoating program.
- Ongoing preventative maintenance would save property owners the higher cost of more frequent reconstruction.
- PMP study recognized franchise fees and assessments as a potential funding source for ongoing maintenance not currently being performed.



Extended Pavement Lifecycle Original Pavement Optimal Timing Time/Traffic Source: Comprehensive Pavement Management System, June 18, 2013, Bolton & Menk, Inc. The goal of the pavement management plan is to extend the life of existing pavements and lower future maintenance costs. Preventative maintenance through sealcoating during early stages of a pavement's lifecycle can be the most cost effective method for extending pavement life.

PROJECT HISTORY

Maintenance Treatment	36-foot Urban Commercial Street	26-foot Rural Residential Street
Sealcoat	\$11 per foot	\$9 per foot
2" Mill & Overlay	\$84 per foot	\$61 per foot
Full Depth Reclamation	\$160 per foot	\$115 per foot
Full Depth Reconstruction	\$280 per foot	\$202 per foot

 Preventative maintenance is significantly less costly than the reconstruction alternative.

7

PROJECT HISTORY

Franchise Fees

- Adopted by the City to fund pavement management and street lighting activities.
- City Council determined the establishment of utility franchise fees to be an equitable means of generating the necessary funding.
- Fee to utility providers for use of the public rightof-way (typically passed through to utility customers).
- Used by over 65 Minnesota cities to fund specific projects.
- A common alternative to taxes for funding street maintenance projects.

PROJECT HISTORY

Street maintenance and construction funding sources:

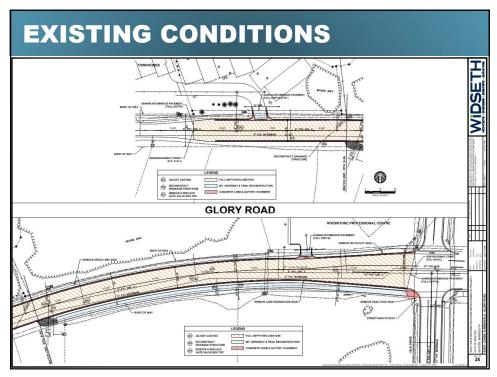
- Property Tax crack sealing, snow plowing, pavement markings, shouldering, pothole repair and signs
- Local Option Sales Tax only for safety improvements, not maintenance
- Franchise Fees for pavement management and streetlights
- Special Assessments used for mill & overlay, full depth reclamation, street reconstruction and new construction

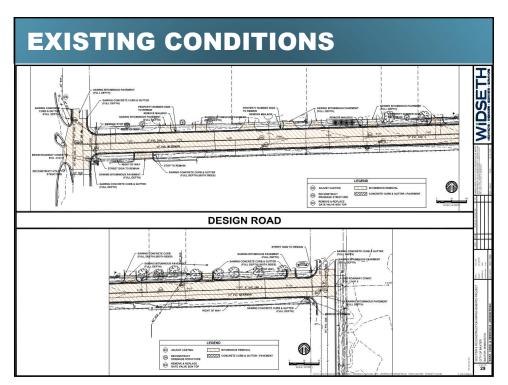
9

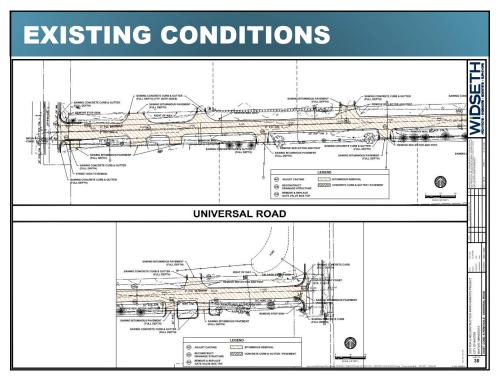
PUBLIC IMPROVEMENT PROCESS

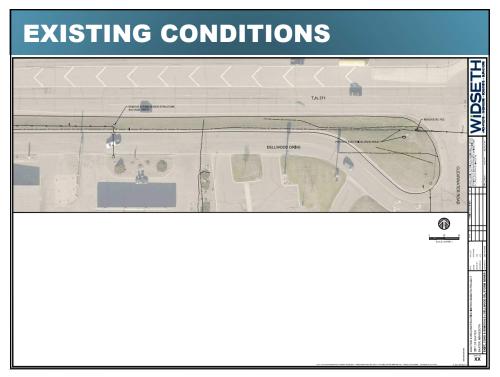
- Feasibility Report
- Improvement Hearing
 - Project generalities discussed
 - Estimated costs presented
 - Input from property owners obtained
- · Council authorizes or rejects project
- If project is authorized
 - Project will be bid
 - Final Assessment Hearing
 - Award
 - Project constructed

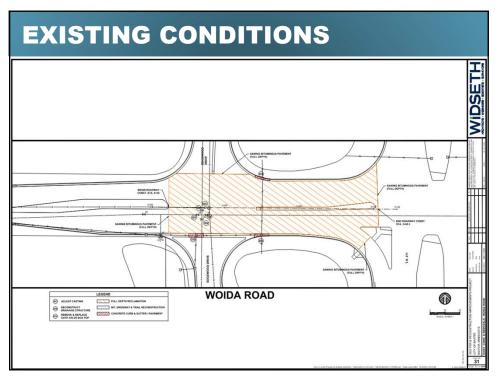


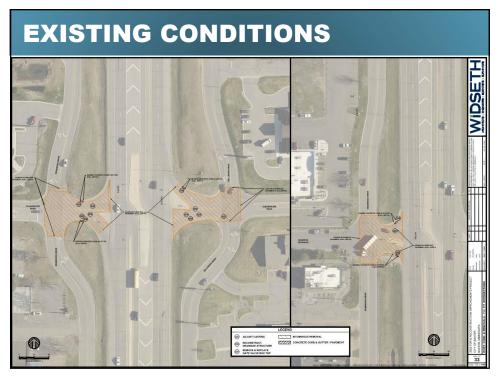












- Glory Road FDR
- Design Road Reconstruction
- Universal Road Reconstruction
- Woida Road FDR
- T.H. 371 Frontage Road Intersections

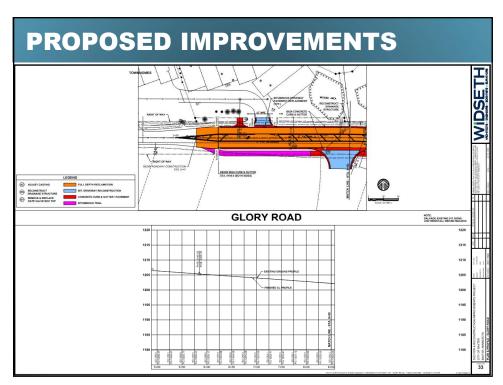
19

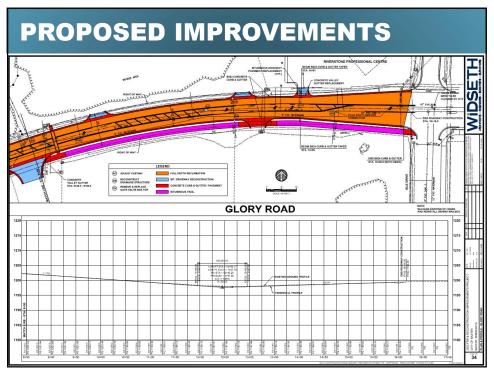


Glory Road

- Full depth reclamation
- 6" new bituminous pavement (10-ton pavement design) from 1,120' west of Isle Drive to Isle Drive
- Remove and replace concrete curb and gutter
- Reconstruction bituminous trail
- Remove and replace driveways to the right-of-way line
- Reconstruct existing sanitary sewer manhole castings, stormwater castings and water valve boxes
- Replace pavement markings and signage
- Coordinate improvements with area developments
- Clean stormwater basin

21

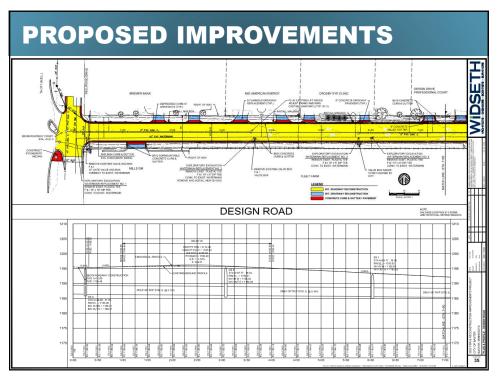


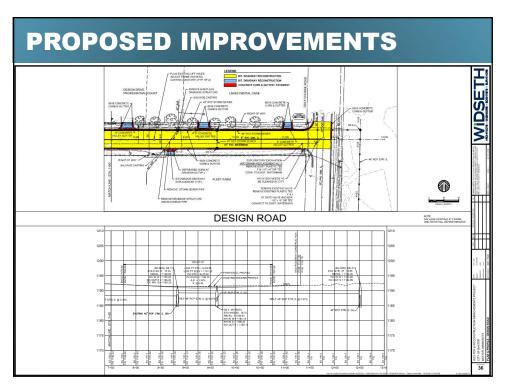


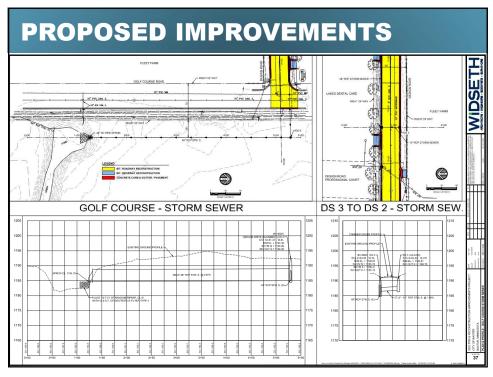
PROPOSED IMPROVEMENTS

Design Road

- Reconstruction
- 6" new aggregate base and 6" new bituminous pavement (10-ton pavement design)
- Remove and replace concrete curb and gutter
- Remove and replace driveways to the right-of-way line
- Reconstruct existing sanitary sewer manhole castings, stormwater castings and water valve boxes
- Replace pavement markings and signage
- Construct new section of storm sewer that extends to T.H.
 371 to help with large rain events



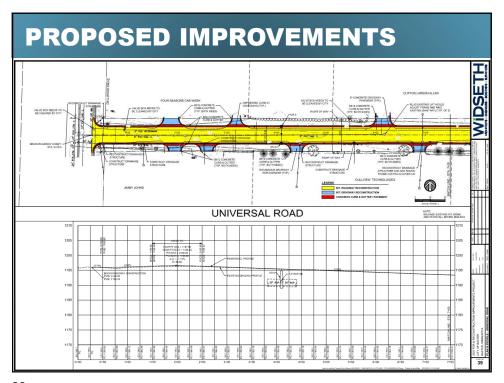


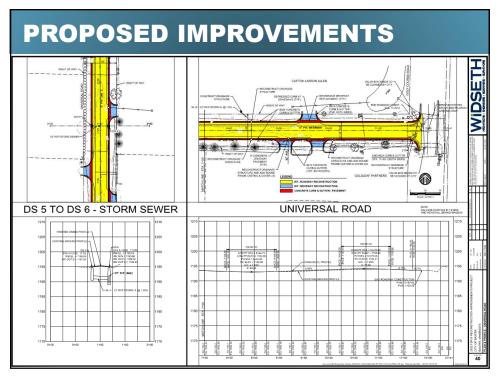


PROPOSED IMPROVEMENTS

Universal Road

- Construct new 36' wide urban (curb & gutter) roadway
- 6" new aggregate base and 6" new aggregate base and 6" new bituminous pavement (10-ton pavement design)
- Remove and replace driveways to the right-of-way line
- Reconstruct existing sanitary sewer manhole castings, stormwater castings and water valve boxes
- Install curb and gutter
- Replace pavement markings and signage
- Reconstruct storm catch basins to be in curb line.

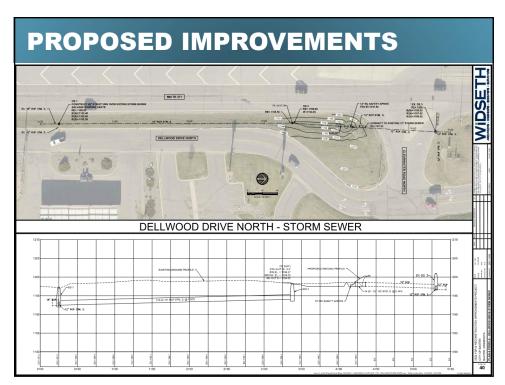




Dellwood Storm Sewer

- Construct a stormwater extension to help reduce the flooding issues on T.H. 371.
- Remove FES and extend culvert to maintain 6H:1V slopes
- Extend storm piping and construct new catch basin
- · Grade swale towards new catch basin.

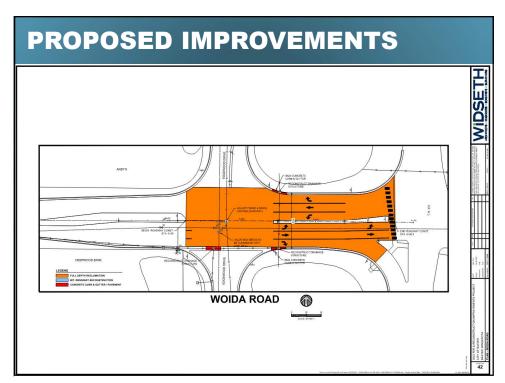
31



Woida Road

- Full depth reclamation
- 6" new bituminous pavement (10-ton pavement design) from 280' west of T.H. 371 to T.H. 371.
- Selective removal and replacement of curb and gutter
- Reconstruct existing sanitary sewer manhole castings, stormwater castings and water valve boxes
- Replace pavement markings and signage

33



T.H. 371 Frontage Road Intersections

- Reconstruction
- 6" new bituminous pavement (10-ton pavement design)
- Selective removal and replacement of curb and gutter
- Reconstruct existing sanitary sewer manhole castings, stormwater castings and water valve boxes
- Replace pavement markings

35

PROPOSED IMPROVEMENTS Line of the control of the c

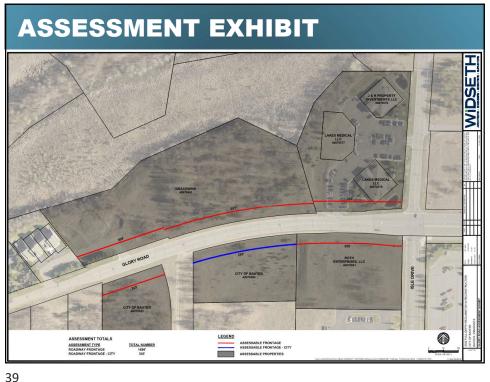
STIMATED PROJEC	T COSTS
Glory Road (FDR):	
Roadway:	\$433,885
City Trail:	<u>\$63,780</u>
Subtotal:	\$497,665
Design Road (Reconstruction):	
Roadway:	\$435,905
Storm Sewer:	\$516,890
Water:	<u>\$93,035</u>
Subtotal:	\$1,045,830
Universal Road (Reconstruction):	
Roadway:	\$405,540
Storm Sewer:	<u>\$121,065</u>
Subtotal:	\$526,605
Woida Road (FDR):	
Roadway:	\$138,760
T.H. 371 Frontage Road Intersections (Rec	onstruction):
Roadway:	, \$230,845
Estimated Total Project Cost:	\$2,439,705

PROJECT IMPLEMENTATION

Glory Road (FDR)

- Benefitting properties assessed 100% of FDR project costs up to 44' in roadway width in Commercial (R2, R3 and OS) districts.
- Assumed City Costs:
 - Roadway width in excess of 44' in commercial zone.
 - Falcon Drive turn out
 - City Trail
- · Remaining project costs assessed on a front footage basis.

	Estimated Commercial Project Costs.	φ 4 97,005
	City Roadway:	\$44,185
	City Trail:	<u>\$63,780</u>
•	Estimated Remaining Assessable Project Costs:	\$389,700
•	Estimated Assessable Frontage:	2,053
•	Estimated Assessable Cost per Foot:	\$189.82

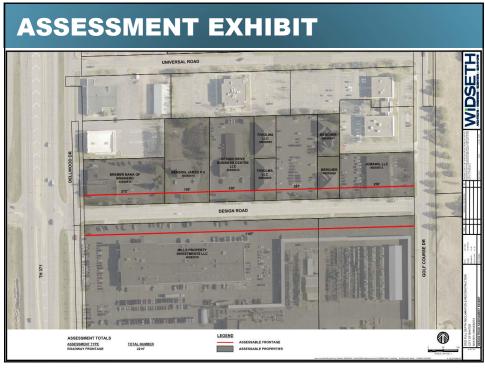


PROJECT IMPLEMENTATION

Design Road (Reconstruction)

- Benefitting properties assessed 100% of reconstruction project costs up to 44' in roadway width.
- 100% roadway costs assessed on a front footage basis.
- · Assumed City Costs:
 - Water Costs associated with plastic water main tee replacements
 - 50% storm sewer costs from east side of Design Road to Golf Course property
- Assumed MNDOT Costs:
 - 50% storm sewer costs from east side of Design Road to Golf Course property
 - 100% storm sewer costs of the 36" storm sewer pipe extended to T.H. 371
- Remaining project costs assessed on a front footage basis.

Total Estimated Project Cost:	\$1,045,830
City Storm Sewer	\$101,435
City Water:	\$93,035
 MNDOT Storm Sewer 	<u>\$415,455</u>
 Total Remaining Assessable Costs: 	\$435,905
Estimated Assessable Frontage:	2,216
 Estimated Assessable Cost per Foot: 	\$196.71

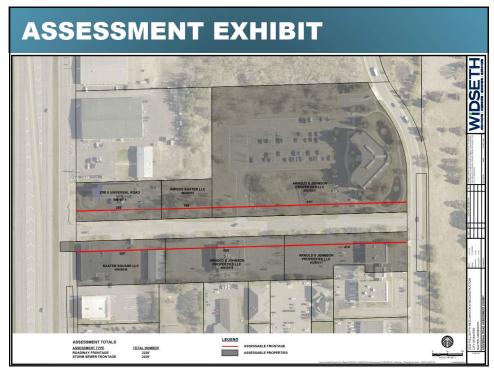


PROJECT IMPLEMENTATION

Universal Road (Reconstruction)

- Benefitting properties assessed 100% of reconstruction project costs up to 44' in roadway width.
- 100% project costs assessed on a front footage basis.

Total Estimated Roadway Project Cost:	\$405,540
- City cost:	<u>\$0</u>
Total Remaining Assessable Costs:	\$405,540
Estimated Assessable Frontage:	2,228
Estimated Assessable Cost per Foot:	\$182.02
Total Estimated Storm Sewer Project Cost:	\$121,065
- City cost:	\$26,035
MNDOT costs:	<u>\$26,035</u>
 Total Remaining Assessable Costs: 	\$68,995
 Estimated Assessable Frontage: 	2,228
 Estimated Assessable Cost per Foot: 	\$30.97



PROJECT IMPLEMENTATION

Woida Road (FDR)

- The Woida Road improvements area a city-wide benefit with no direct assessable frontage. For this reason, the costs are not assessed and are paid by the City.
- Total Estimated Roadway Project Cost:

\$138,760

PROJECT IMPLEMENTATION TH 371 Frontage Road Intersections (Reconstruction) • The TH 371 Frontage Road Intersections improvements area a city-wide benefit with no direct assessable frontage. For this reason, the costs are not assessed and are paid by the City. • Clearwater Road and Edgewood Drive Intersection • Clearwater Road and Dellwood Drive Intersection • Gander/Taco Bell/Caribou and Edgewood Drive Intersection • Total Estimated Roadway Project Cost: \$230,845

STMATED INTEREST RATE: SSESSMENTS ADOPTED (ESTIMATED):											
SSESSMENT & ADDPTED (ESTIMATED): NO DE YEAR: STIMATED DAYS BEFORE END OF YEAR RST YEAR OF ASSESSMENT:	R (SEE NOTE 1):	4.50% 49/22 12/31/22 210 20/23									
SSESSWENT RATES GLORY ROAD - FULL DEPTH RECLAMAT DESIGN ROAD - ROADWAY RECONSTRI UNIVERAL ROAD ROADWAY: STORM SEWER:	FION: UCTION:	\$169.62 \$196.71 \$162.02 \$30.97									
R.E. C006	PROPERTY ADDRESS	OWNER	GLORY ROAD FOR	DESIGN MOAD RECONSTRUCTION	UNIVERSITE RECONSTRUCTION	AL ROAD RECONSTRUCTION	ASSESSMENT TERM	ASSESSMENT	2021 INTEREST (SEE MOTE 1)	2021 INITIAL CERTIFIED AMOUNT	COMMENTS
40070677 40010579 40010579 4007050 40070501 40070604 40070604	167 ISLE DR 160 ISLE DR	JAR PROPERTY INVESTMENTS LLC LAKES MEDICAL LLC L	100 100 100 820 223 365 335				12 12 12 12 12 12 12 12	\$18,982.09 \$18,982.09 \$18,982.00 \$116,633.13 \$42,330.00 \$67,386.42 \$67,386.42	\$631.87 \$631.67 \$631.67 \$5, 181.30 \$1,409.07 \$2,343.14 \$2,243.14	\$19,613.96 \$19,613.95 \$19,613.95 \$140,634.45 \$43,739.13 \$69,629.55	300' OF FRONTAGE SPLIT BETWEEN THREE INTERIOR LOTS
40000617 755 40000617 755 40000614 703 40000066 785 40000007 765 40000007 765	ISB DELLWOOD DR 18 DESIGN RD 16 DESIGN RD 17 DESIGN RD 18 DESIGN RD	MALLE PROPERTY INVESTMENTS LLC SENSING MARKES F I DESIGNED, MARKES F I DESIGNED, MARKES F I FINOLOMALIC FINOLOMALIC DESIGNED F I DESIGN		1107 272 150 150 71.75 71.75 71.75 71.75 71.75 250			12 12 12 12 12 12 12 12 12 12	\$217,758.29 \$3,554.71 \$29,598.27 \$29,596.27 \$14,113.83 \$14,113.83 \$14,113.83 \$14,113.83 \$44,113.83	\$7,248.60 \$1,781.05 \$982.20 \$982.20 \$498.82 \$498.82 \$498.82 \$498.82 \$498.82 \$1,536.99	\$225,004.89 \$35,215.75 \$30,458.47 \$30,458.47 \$14,583.65 \$14,583.65 \$14,583.65 \$14,583.65 \$14,583.65	287 OF FRONTAGE SPLIT BETWEEN FOUR INTERIOR LOTS
40050512 40050511 40050517 40050516	244 DELLWOOD DR 56 UNIVERSAL PD	BAXTER SQUARE LLC ARING D 8 JOHNSON PROPERTIES LLC JRE II UNIVERSAL ROAD LLC JRE II UNIVERSAL ROAD LLC			300 400 414 657 169 288	300 400 414 657 169 288	12 12 12 12 12 12 12	\$63,896.46 \$56,195.20 \$68,177.12 \$119.933.25 \$35,995.01 \$61,340.60	\$2,126,96 \$2,835,95 \$2,985,21 \$4,658,05 \$1,198,19 \$2,041,89	\$66,023.43 \$66,031.24 \$91,112.33 \$144,591.50 \$37,193.20 \$63,382.49	
BSESSMENT SUMMARY SLOTY ROAD BENEFITING PROPERTY ASSESSMENT CITY PROVIDED ASSESSMENTS: SUBTOTAL:	TS:	\$279, 985 502 \$100,716.48 \$380,702.20	2053	2210	2228	2228		\$1,300,146,01	\$43,278.60	\$1,343,424.95	
DESIGN ROAD BENEFITING PROPERTY ASSESSMENT INVERSAL ROAD BENEFITING PROPERTY ASSESSMENT		\$435,905.59 \$474,537.73									
TOTAL ASSESSED COSTS: \$1,000,146,01 BENEFITRON PROPERTY ASSESSMENTS: \$1,900,2954 CITY OF BAXER ASSESSMENTS: \$100,796,46											

ASSESSMENT PAYMENT

- Pre-payments and partial payments are allowed up to 30-days following the Assessment Hearing
- Assessment balances will be certified to the County in 2022 with payments to begin on the following year's county tax statement.
- Assessment balance will be amortized over a 12-year assessment term for full depth reclamation and reconstruction
- Interest rate will be determined once the bonds are sold.
- Future payoff requirements after certification:
 - Interest will accrue through the end of the calendar year
 - After 2022, payments in full must be made by November 15 to either the City of Baxter or Crow Wing County Auditor to avoid paying the following year's interest

47

PROJECT COST SUMMARY

Project Cost SummaryEstimated Total Project Cost:

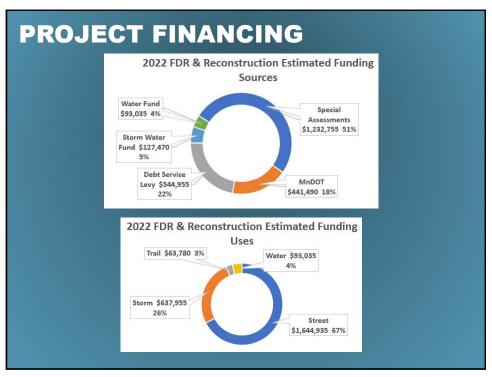
Estimated Assessments Project Costs
Benefitting Property Assessments: \$1,232,755 51%
Estimated City Assessments: \$67,385
City Cost Summary

Roadway: \$413,790

\$2,439,705

Roadway: \$413,790
 Road Assessments: \$67,385
 Storm Sewer: \$127,470
 Trail: \$63,780
 Water: \$93,035
 Total Estimated Cost: \$765,460

MnDOT Estimated Storm Sewer Cost: \$441,490 18%



PROJECT SCHEDULE

- · Feasibility Report and plans/specifications prepared
- Feasibility Study Approved by Utilities Commission and City Council (December 2021)
- Improvement Hearing (January 6, 2022)
- Council adopts resolution ordering improvement (January 2022)
- Council adopted resolution approving plans/specifications and authorizing advertisement for bids (January 2022)
- Bids are received (February 2022)
- Council adopts resolution ordering the assessment hearing(March 2022)
- Assessment Hearing (March 2022)
- Council passes resolution adopting the assessment roll (April 2022)
- Council awards construction contract (May 2022)
- Public Informational Meeting (May 2022)
- Construction (June September 2022)

PROPERTY OWNER INFORMATION

- Delays, dust, detours and noise should be expected.
- Design, Universal, Fairview and Woida Roads will be detoured and open to local traffic only.
- 371 Intersections will be detoured and closed to all traffic.
- There may be some disruption to utility services.
- All entrances and driveways are scheduled to be replaced to the right-of-way line.
- Driveway replacement will create a construction joint in the bituminous pavement that will require yearly sealing by property owner.

51

PROPERTY OWNER INFORMATION

- There is likely to be times when your property may not be accessible by vehicle.
- Mailbox supports will be replaced with swing-away style supports.
- Property owners are responsible for relocating private items (sprinklers systems, signage, landscaping, etc.) located in the right-of-way.
- The City will not be responsible for damage to private items located in the right-of-way.

PROJECT CONTACT INFORMATION

Engineer Contact Information

Aric Welch, Project Engineer
Office: 218-316-3645
Mobile: 218-820-7516

Email: <u>aric.welch@widseth.com</u>

All project related questions should be directed to the Engineer

City Contact Information

Trevor Walter, Public Works Director/City Engineer

Office: 218-454-5110 Mobile: 218-838-5281

Email: <u>twalter@baxtermn.gov</u>

All financial and assessment related questions should be directed to the City

Project Web Site

https://widseth.com/improvement4422/

53

QUESTIONS

Thank You for Attending