

A photograph of a street improvement project in progress. A yellow asphalt paver is laying a new layer of asphalt on a residential street. Several workers in high-visibility vests and hard hats are visible. One worker is on the left side of the road, another is near the paver, and a third is on the right side. The street is lined with trees and houses. A silver car is parked on the right side of the road.

City of South Lyon

Street Improvement Bond Update



South Lyon
MICHIGAN

City Council Meeting

June 13, 2022

South Lyon City Hall



Tonight's Focus:

1. Review of August 2nd 2022 Street Improvement Bond Proposal
2. Introduction of Resident Road Committee Members
3. Overview of Current Pavement Conditions (2020 PASER Ratings)
4. Conceptual Street Improvements using 2022 Bond & Act 51 Funds
5. Next Steps – Public Outreach Meetings (Townhall Meetings)



2022 Street Improvement Bond Language

- **August 2nd, 2022 - Street Improvements Bond Proposal**
- Shall the City of South Lyon, County of Oakland, Michigan, borrow the principal sum of not to exceed Eighteen Million Four Hundred Sixty-Five Thousand Dollars (\$18,465,000), and issue its unlimited tax general obligation bonds, payable in not to exceed ten (10) years, to pay the cost of constructing street improvements throughout the City, consisting of paving, repaving, resurfacing, reconstructing and improving streets? If approved, the estimated millage to be levied in 2023 is 1.9946 mills (\$1.99 per \$1,000 of taxable value) and the estimated simple average annual millage rate required to retire the bonds is 4.0894 mills (\$4.09 per \$1,000 of taxable value).



2022 South Lyon Road Committee

- Members:

- Paul Zelenak – City Manager
- Joseph Freeman – Resident
- Craig Johnston – Resident
- Josh Murphy – Resident
- Roland Alix – Engineering Consultant (HRC)

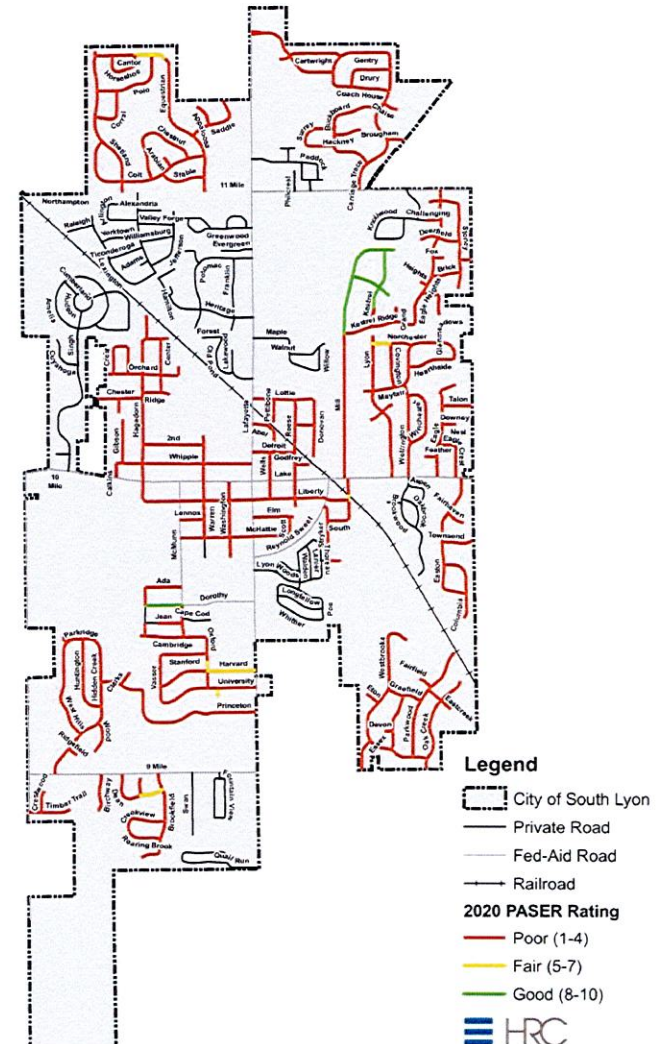
1. We have meet monthly since February 2022
2. Finalized FAQ which can be found on the City's website
3. Created public education figures and information
4. Helping to plan upcoming public outreach events (July 2022)

2020 PASER Road Ratings

As of the 2020 PASER Road Rating:

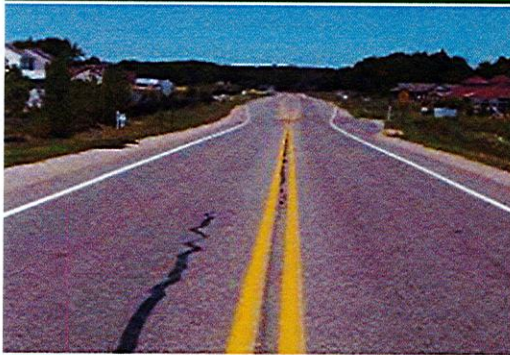
- Less than 1% of your roads are in Good Condition
- Less than 5% of your roads are in Fair Condition
- **95% of your roads are in Poor Condition**

City of South Lyon 2020 PASER Rating



PASER Condition Rating

Good



PASER = 10, 9, 8, 7

Routine Maintenance

- Crackseal
- Minor Patching
- Snow Removal

Fair



PASER = 6, 5, 4

Preventive Maintenance

- Crackseal/Patch
- Surface Treatment
- Non-structural Overlay
- Concrete Joint Repair

Poor



PASER = 3, 2, 1

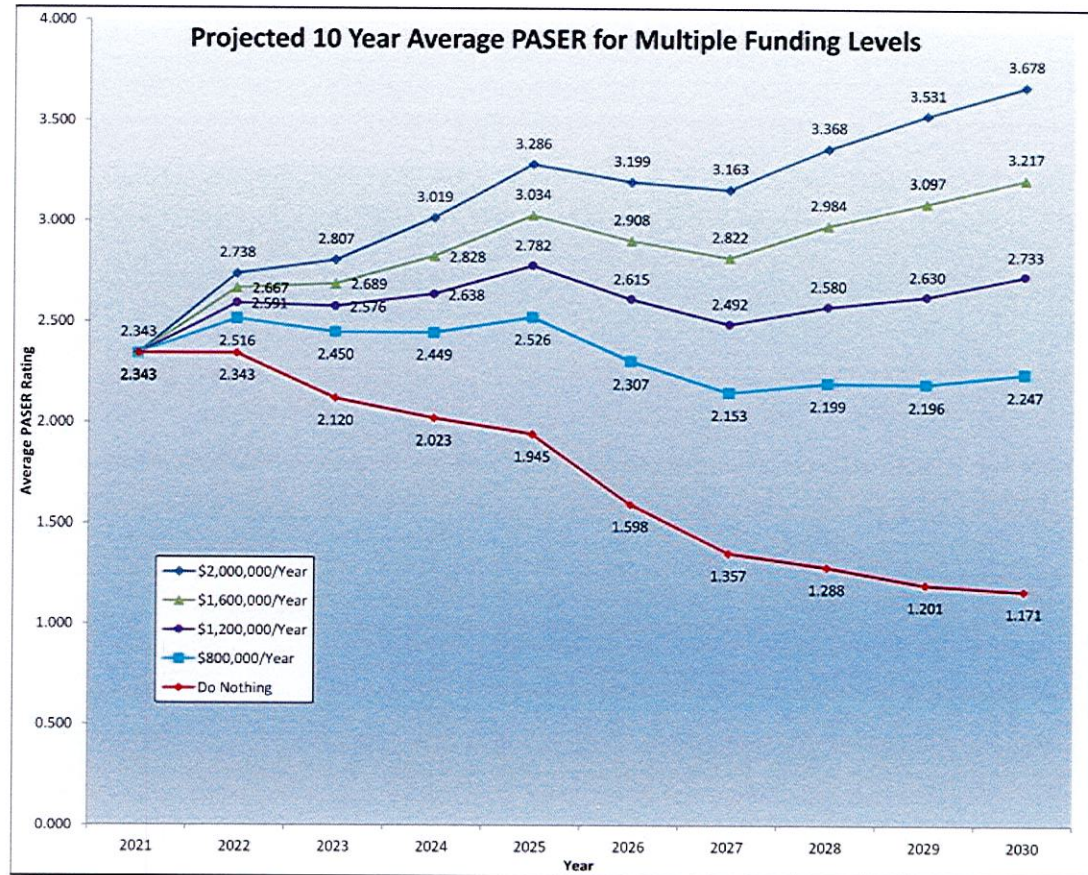
Rehab/Reconstruct

- Resurface
- Structural Overlay
- Replace Concrete Slab
- Complete Reconstruct

Projected Road Condition Chart

If the August 2, 2022 Bond is Approved by the residents, Bond + Act 51 Funds will **total over \$2,000,000 per year!**

City of South Lyon
Average PASER Rating by Funding Amount
2021 - 2030



Pavement Cores of Actual City Streets



Existing SL Pavement Core vs New Pavement



Existing North
Hagadorn Pavement



Example of
New Pavement

Street Improvement Types

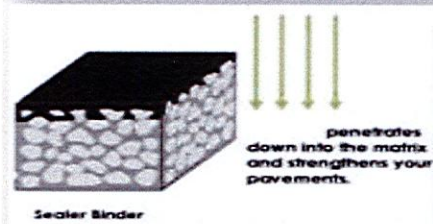
- Preventative Maintenance

Types of Pavement Maintenance



1. Crack Sealing:

- The least expensive treatment.
- Crack sealing prevents the majority of moisture from entering the underlying aggregate base rock.



2. Fog Seal:

- Rejuvenates the oils in the top layer of asphalt
- Fills small gaps between the aggregate in pavement
- Reduces deterioration of surface.



3. Slurry seal:

- Mixture of asphalt emulsion, fine aggregate and water.
- Mixture is spread over entire surface @3/8" thick
- Protects pavement from water damage Provides a new surface.

Street Improvement Types

- Rehabilitation

Types of Pavement Rehabilitation



1. Pavement overlay:

- Thin lift overlays, thickness of 1-inch
- Std. overlays are usually 2-inches

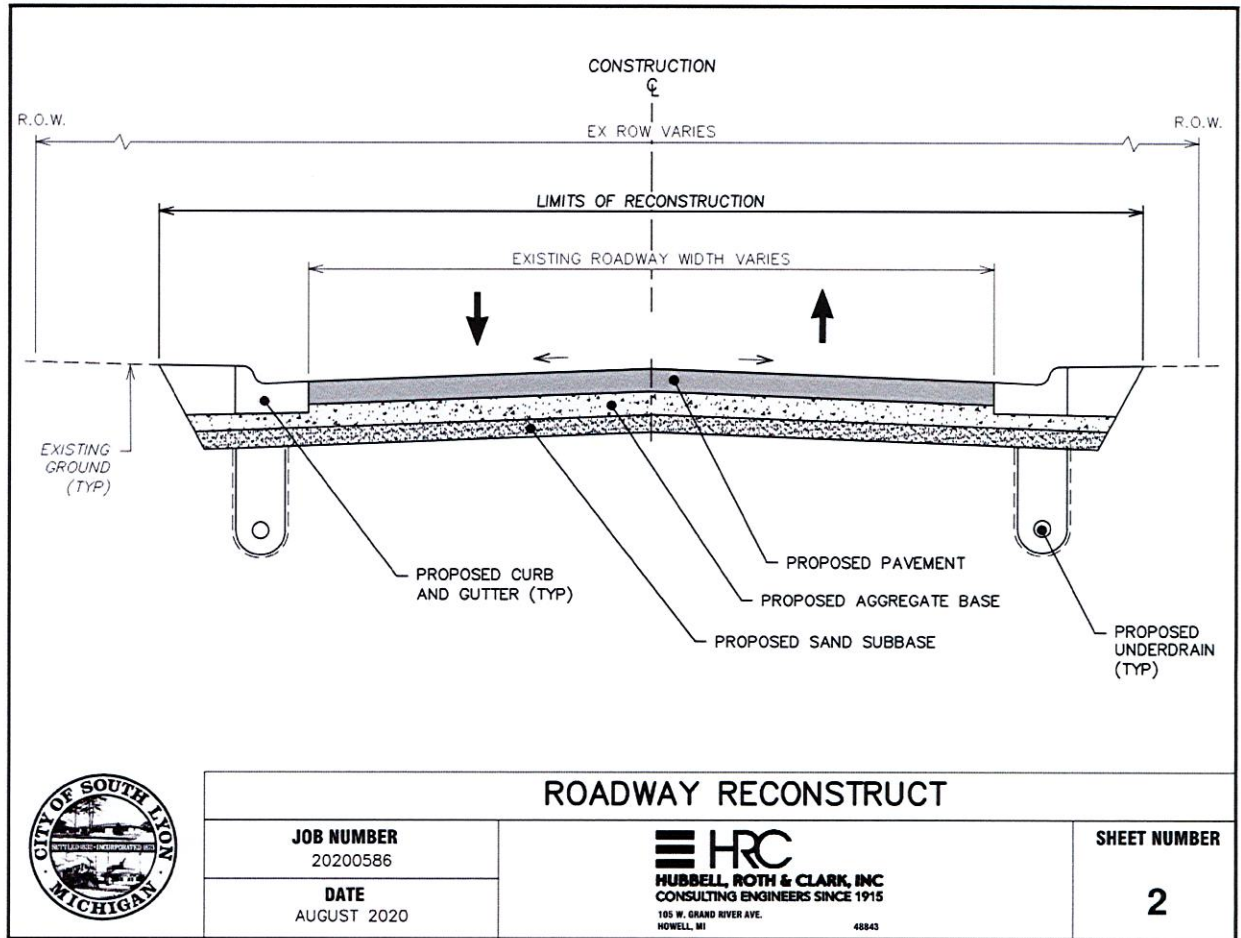


2. Pavement grinding and inlay:

- Used on severely distressed pavement
- Very expensive when compared to thin lift overlays

Street Improvement Types

- Reconstruction



Conceptual Street Improvement Implementation

South Lyon Roadway Asset Management Plan - Bond Funding

Conceptual Use of Bond Funds

June 9, 2022

Year	Act 51 Revenue	Bond Revenue	Balance	Road Reconstruction	Road Rehabilitation	Preventative Maintenance
2023	\$350,000	\$9,232,500	\$9,582,500	\$3,500,000	\$0	\$0
2024	\$350,000	\$0	\$6,432,500	\$4,000,000	\$400,000	\$0
2025	\$350,000	\$0	\$2,382,500	\$0	\$0	\$265,000
2026	\$350,000	\$0	\$2,467,500	\$3,500,000	\$0	\$0
2027	\$350,000	\$9,232,500	\$8,550,000	\$2,500,000	\$300,000	\$200,000
2028	\$350,000	\$0	\$5,900,000	\$2,500,000	\$0	\$0
2029	\$350,000	\$0	\$3,750,000	\$0	\$300,000	\$200,000
2030	\$350,000	\$0	\$3,600,000	\$3,000,000	\$0	\$0
2031	\$350,000	\$0	\$950,000	\$750,000	\$300,000	\$250,000
2032	\$350,000	\$0	\$0	\$0	\$0	\$0
Subtotal	\$3,500,000	\$18,465,000		\$19,750,000	\$1,300,000	\$915,000



2022 South Lyon Street Bond Project Plan

Legend

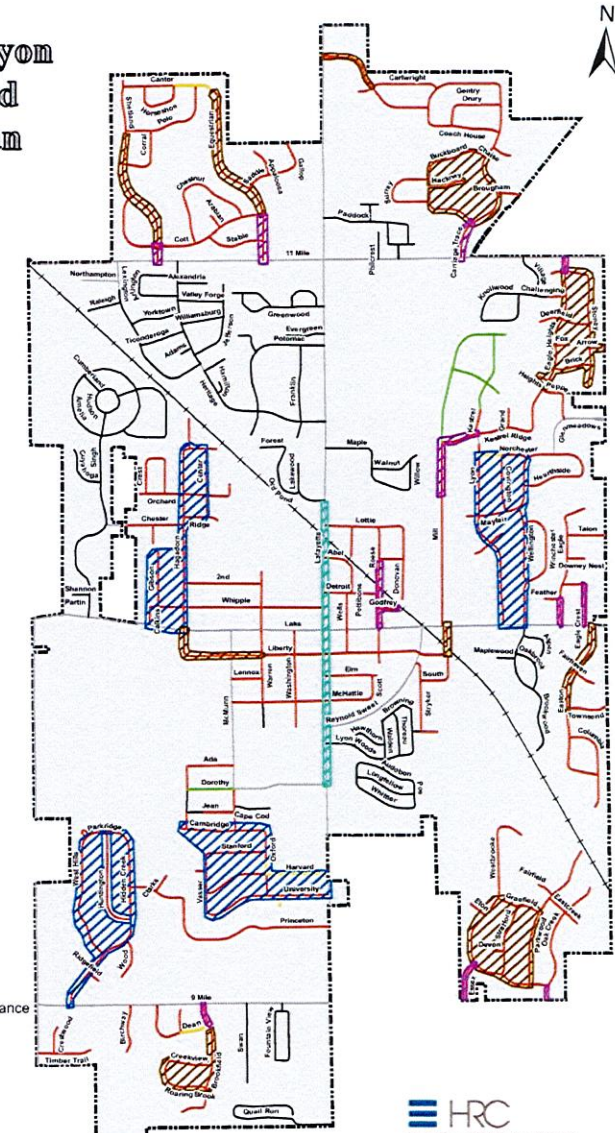
- City of South Lyon
- Private Road
- Fed-Aid Road
- Railroad

2020 PASER Rating

- Poor (1-4)
- Fair (5-7)
- Good (8-10)

Potential Road Improvements (If 2022 Bond Passes)

- City Road Reconstruction
- City Road Rehabilitation
- City Road Preventative Maintenance
- County Road Reconstruction





Next Steps!!

- Public Outreach Meetings/Townhall Meetings to further educate residents.
- Hosted by Road Committee, Engineering Consultant (HRC) & City Staff
- 1 Weeknight meeting & 1 Weekend meeting to be held in July
 - Dates and time will be finalized soon