



*Flash Report
Public Works*

2023 Pavement Maintenance Program

Another season of roadway maintenance is in the books for Public Works!

- The Pavement Maintenance Program works to ensure that the life of Tualatin's roadways are extended through careful planning, preventative maintenance, and repair.
- Management of this annual program includes street inspections, computer modeling, contract preparation, long and short range planning, and administration on large-scale projects, all designed to maintain the city's 76+ miles of roadway.
- This work is funded by Road Utility Fees charged on Tualatin monthly utility bills and a portion of vehicle registration fees collected by Washington and Clackamas Counties.
- Lead by Bert Olheiser and the Street/Sewer/Storm team, the summer of 2023 was a busy one. Photos highlight the work in action.



2023 Pavement Maintenance

OVERLAY

Overlay work is a replacement of the top layer of the road (typically 1.5" to 2" thick). This improves the smoothness of the road and its structural strength. Pretty much as good as a new road, but easier and more cost effective than a full reconstruction. (\$\$\$).

- The City completed grind and overlay work on 2 roadways this summer:
 - Ibach Street between 108th and Graham's Ferry
 - Avery Street between Boones Ferry and Martinazzi
- In total, 3,000 tons of asphalt were laid on just over 5,000 feet of roadway.
- Additionally, the roadways were re-striped, 27 ADA ramps were re-done, and eight catch basins were replaced.



Ibach Street Before



Overlay in Process



Ibach Street After

CRACK SEAL

As its name implies, rubber crack seal fills in 'alligator cracks' that occur on roadways as they age, preventing water from entering the asphalt and increasing the damage. Crack seal is primarily used on larger, arterial roadways and is the cheapest treatment we apply (\$).

- 105,000 linear feet of crack seal was completed along portions of Teton Avenue, Herman Road, Myslony Street, and 118th Avenue.



2023 Pavement Maintenance

FULL DEPTH PATCH REPAIR

Full depth patch includes sawing out damaged asphalt, sometimes down to the base of the road, and filling in with new asphalt for a more complete repair.

- 1,200 square yards of full depth patchwork was completed, to repair major potholes and sunken areas prior to overlay/slurry seal work.

SLURRY SEAL

A sticky tar-like substance (made up of asphalt oils, water, and rocks) that seals the surface much like a coat of paint. This is similar to a seal coat but lasts longer and holds up better. It's a helpful treatment that prolongs the life of smaller, residential roadways. (\$\$)

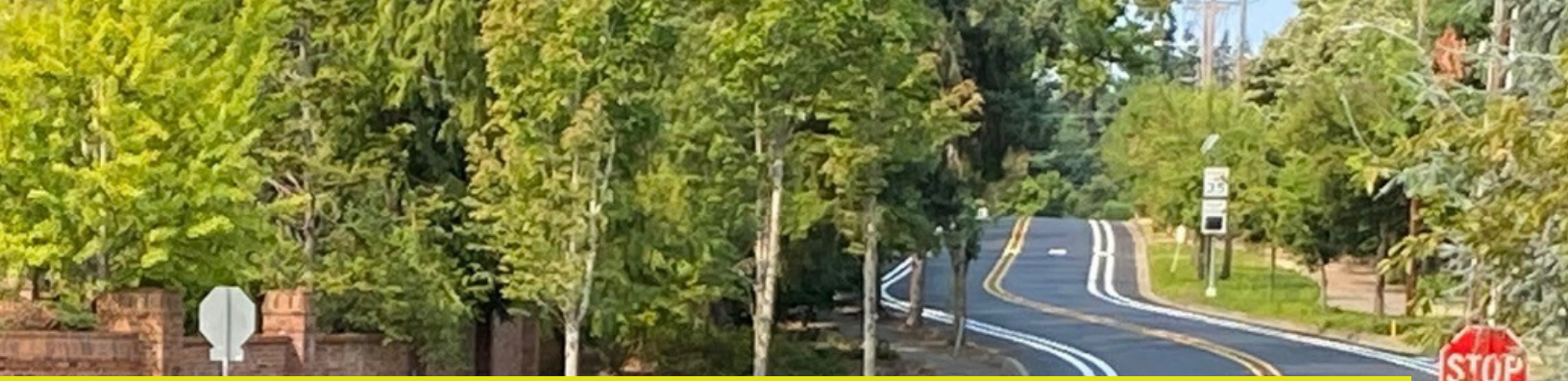
- 42,000 square yards of slurry seal was laid along Hazelbrook Road, and in the Coquille/Paulina/Killarney areas of town.



SKIN PATCH REPAIR

Skin patching adds a layer of asphalt over the top of an existing roadway, smoothed with a roller. Skin patching is thicker than slurry seal treatment, and used for roadways with heavier traffic.

- 21,000 square feet of skin patch was laid along McEwan Road.

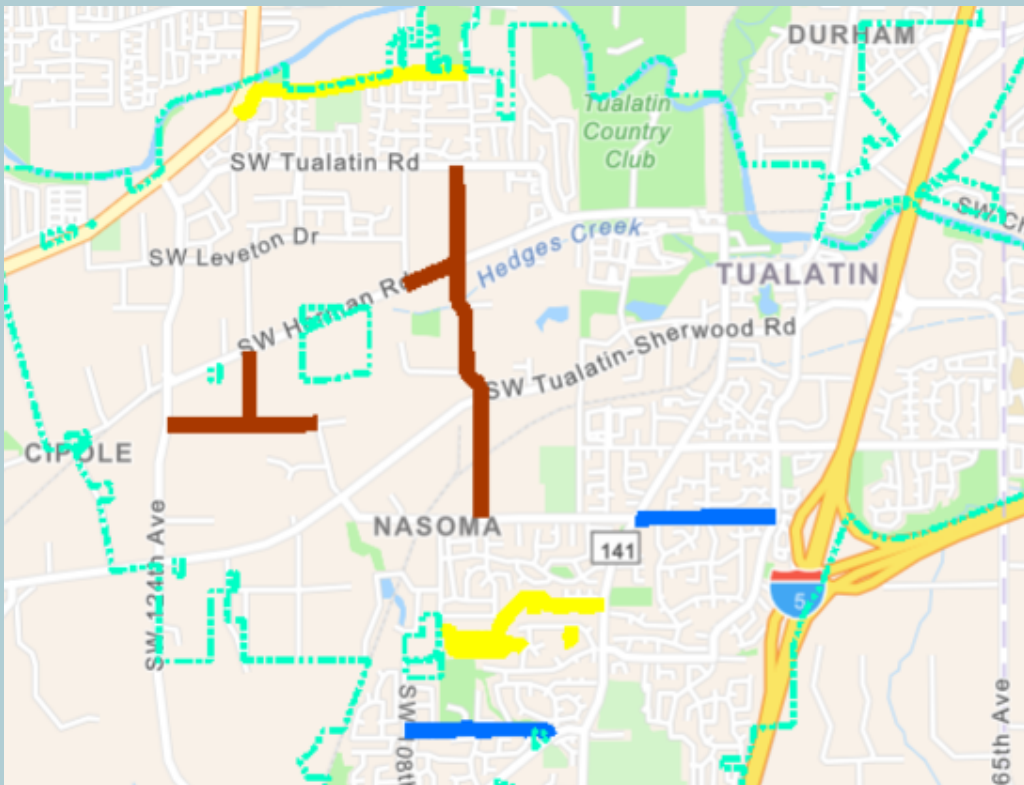


Summary

2023 Pavement Maintenance Program

TOTAL MAINTENANCE NUMBERS

- 414,800 square feet topical treatments
- 20 miles of crack treatment



Pavement Maintenance 2023

- CRACK SEAL
- OVERLAY
- SLURRY SEAL