

# Preventative Maintenance Program

SEATTLE  
CITY HALL

Date (xx/xx/xxxx) Department Name



City of Seattle

# Preventative Maintenance Program Information History

Approximately 23% (549 lane-miles) of Seattle's 2,419 lane-miles of non-arterial streets have a chip sealed, Microsurfaced or Slurry Sealed surface and are maintained by the Preventative Maintenance Program. These streets are mainly located north of 85th Street and along the southern border of the City, areas annexed from King County post-1940 and are located within 1 of the 34 maintenance grids. They were converted in the 1960's and 1970's from gravel roads to a low-cost surface of flexible cold mix asphalt with an oil and gravel weathering course – the chip seal (now Slurry Seal). These streets need to be patched and resealed on a regular basis, to renew the surface and seal the pavement structure against water intrusion. Slurry Seal streets typically lack sidewalks and formal drainage systems.



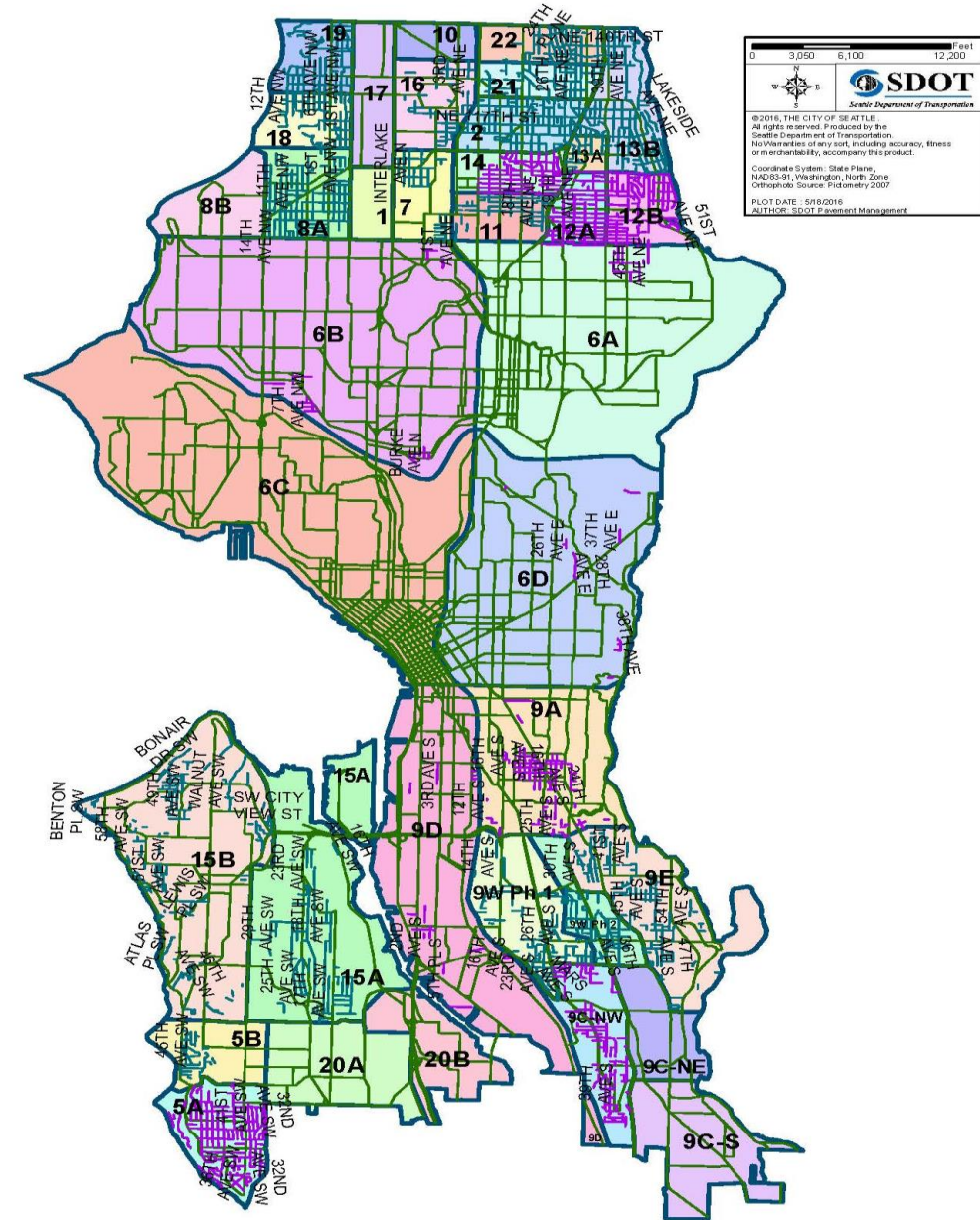
# Preventative Maintenance Program Information History

Prior to 2013 City of Seattle Paving crews performed all work associated within the Preventative Maintenance Program, including base repair, crack sealing and chip seal application. Since 2013, the Preventative Maintenance Program has transitioned away from Chip Seal, to Microsurfacing (2013-2019) and currently Slurry Seal. City Of Seattle crews still perform base repair and crack sealing activities, but the slurry seal application is performed by a contractor.



# Preventative Maintenance Program Slurry Seal Grids

## CITY WIDE GRID MAP Slurry Seal PROGRAM



# Preventative Maintenance Program Information

- Preserve pavement in good condition via Crack Sealing and Slurry Sealing activities.
- Selection of annual Slurry Seal Grids to be maintained is prioritized by year of last sealing application, budget and location. Ideally there is a minimum of one grid North, and one grid South sealed every year. Annual goal is to seal 30 – 40 lane miles.
- Crack Seal locations are selected arterials with a PCI of 70 or better and all streets to be slurry sealed. Annual goal is 250k to 300k lineal feet.



# Preventative Maintenance Budget Information

	2020	2021	2022	2023	2024
Proposed Budget	\$3.51M	\$3.62M	\$3.63M	\$1.8M	\$TBD

Budget subject to change due to ongoing and future Covid-19 and potential I-976 impacts.



# Preventative Maintenance Project Photos

**11700blk of Sand Point Way NE -  
Before crack sealing**



**11700blk of Sand Point Way NE -  
After crack sealing**



# Preventative Maintenance Project Photos

## Preparing Cracks for sealing



## Sealing Cracks





# Preventative Maintenance Project Photos

## 200blk of NE 135<sup>th</sup> St - Before Slurry Seal



## 200blk of NE 135<sup>th</sup> St - After Slurry Seal



# Preventative Maintenance Project Photos

## 1100blk of N 137<sup>th</sup> St - Before Slurry Seal



## 1100blk of N 137<sup>th</sup> St - After Slurry Seal



# Preventative Maintenance Project Photos

## Slurry Seal Application



## Slurry Seal Application



# Preventative Maintenance Project Photos

## Slurry Seal Application



## Slurry Seal Application

