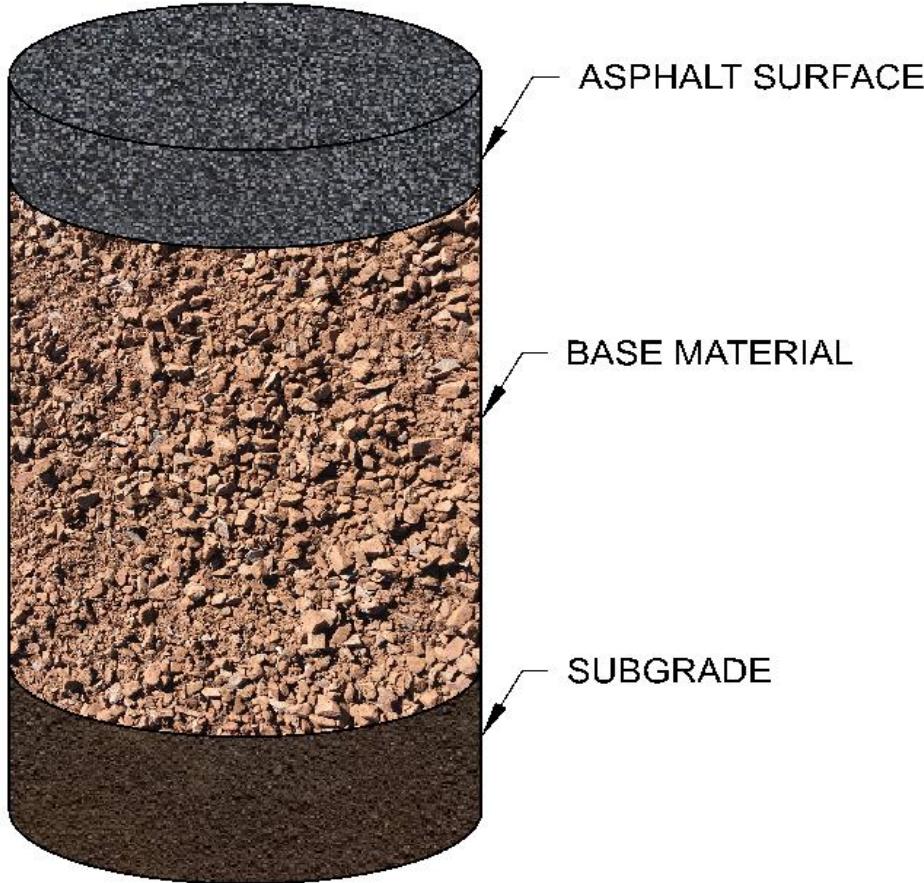


Public Outreach for the 2025-2026 Street Maintenance Plan

August 27, 2025



Pavement Section





Expansive Soils

Source: City of New Braunfels GIS
Date: 7/8/2021

District 3

District 4

District 5

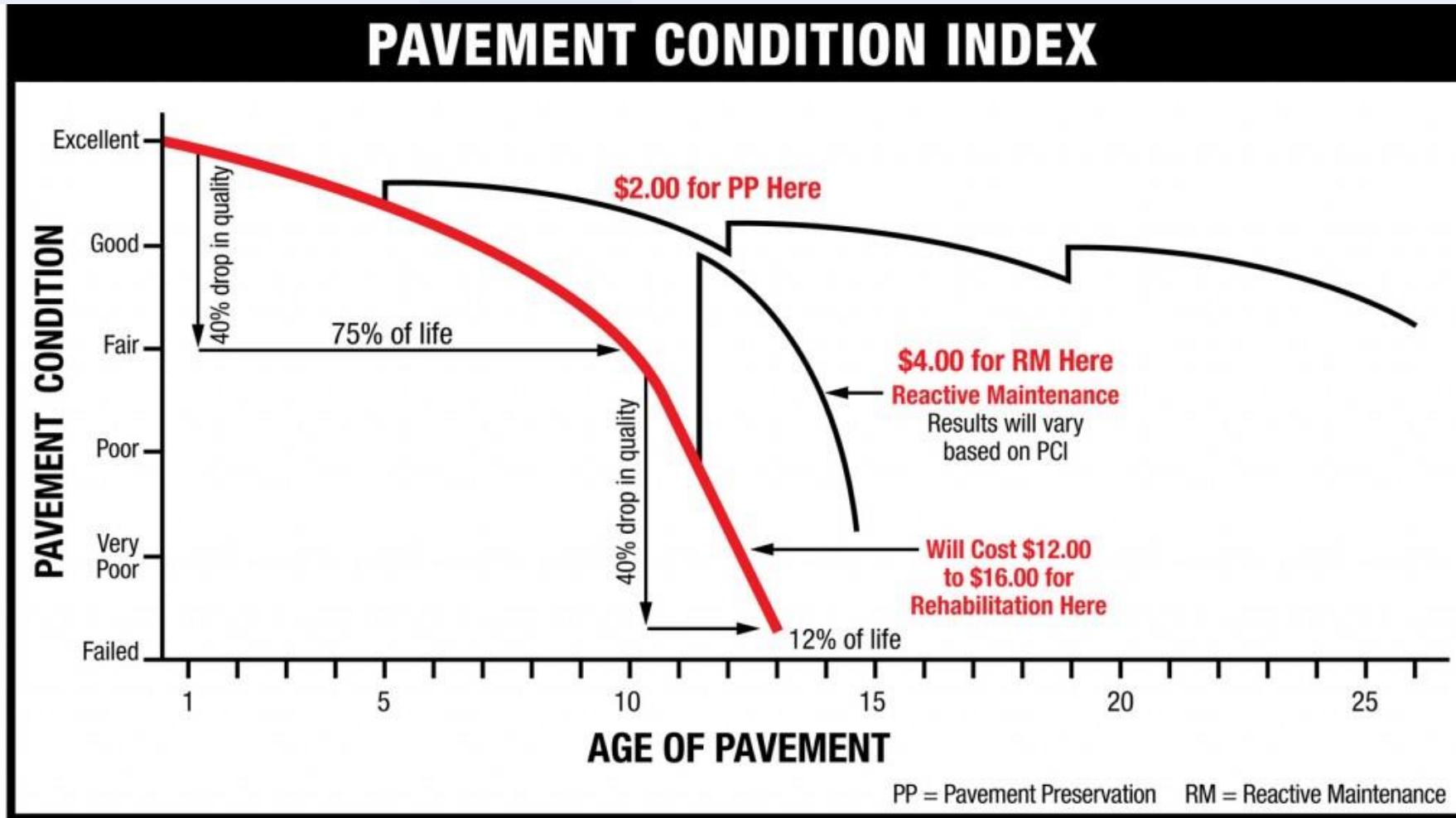
District 1

District 6

District 2

- City Maintained Streets
- Streets Maintained by Others
- Expansive Soils

Pavement Condition Index



Maintenance Strategies

Preventative Maintenance

- Crack Seal
- Potholes, Patching and NBU Repairs

Surface Repairs

- Level-Up and Thin Overlay – 1" Hot Mix Asphalt (HMA)
- Micro Surfacing – 1/4" HMA
- Mill and Overlay - mill 2" of the existing surface HMA and overlay

Rehabilitation

- Remove asphalt surface and base, stabilize subgrade, add new base material with final 2" to 3" HMA surface mat

Functional Classifications

Local Street

- Most common type of street in a city and provides direct access to adjacent properties.
Carries no thru movement and parking is allowed.
- Design speed: 20 – 30 mph



Functional Classifications

Collector Street

- Street with a balance between access and mobility with parking allowed.
- Design speed: 30 – 40 mph.

Example: Hanz Drive



Functional Classifications

Arterial Street

- Provide the most direct path of mobility for longer distances. Are typically much wider with more lanes and no parking.
- Design speed: 45 – 50 mph.



Example: Walnut Avenue

Street Plan Determination

1) Pavement Management Software System

- Inventory the pavement Overall Condition Index (OCI) from 1-100 (1 = worst)
- Recommendations from Cartegraph

2) Field Verification

- City staff visually inspects streets

3) Traffic Utilization

- Types of Streets (ex. Collector)



Street Plan Determination

4) Coordination with Utilities

- Timing our repairs with planned utility street cuts and improvements

5) Appropriate Maintenance and Repair Strategies

6) Bond Project

7) Citizen Input

- During the year
- Public Outreach



Overall Condition Index: 100

- Considered excellent
- Includes newly constructed or recently overlaid streets



Overall Condition Index: 79



- Considered good to very good and in structurally sound condition
- Initial signs of aging, such as longitudinal and transverse cracking, slight raveling and an occasional pothole requiring patching

Overall Condition Index: 59

- Considered in average condition
- Roads show signs of needing resurfacing
- Over 50% of the surface has block cracking
- Streets in this condition could require rehabilitation



Overall Condition Index: 39

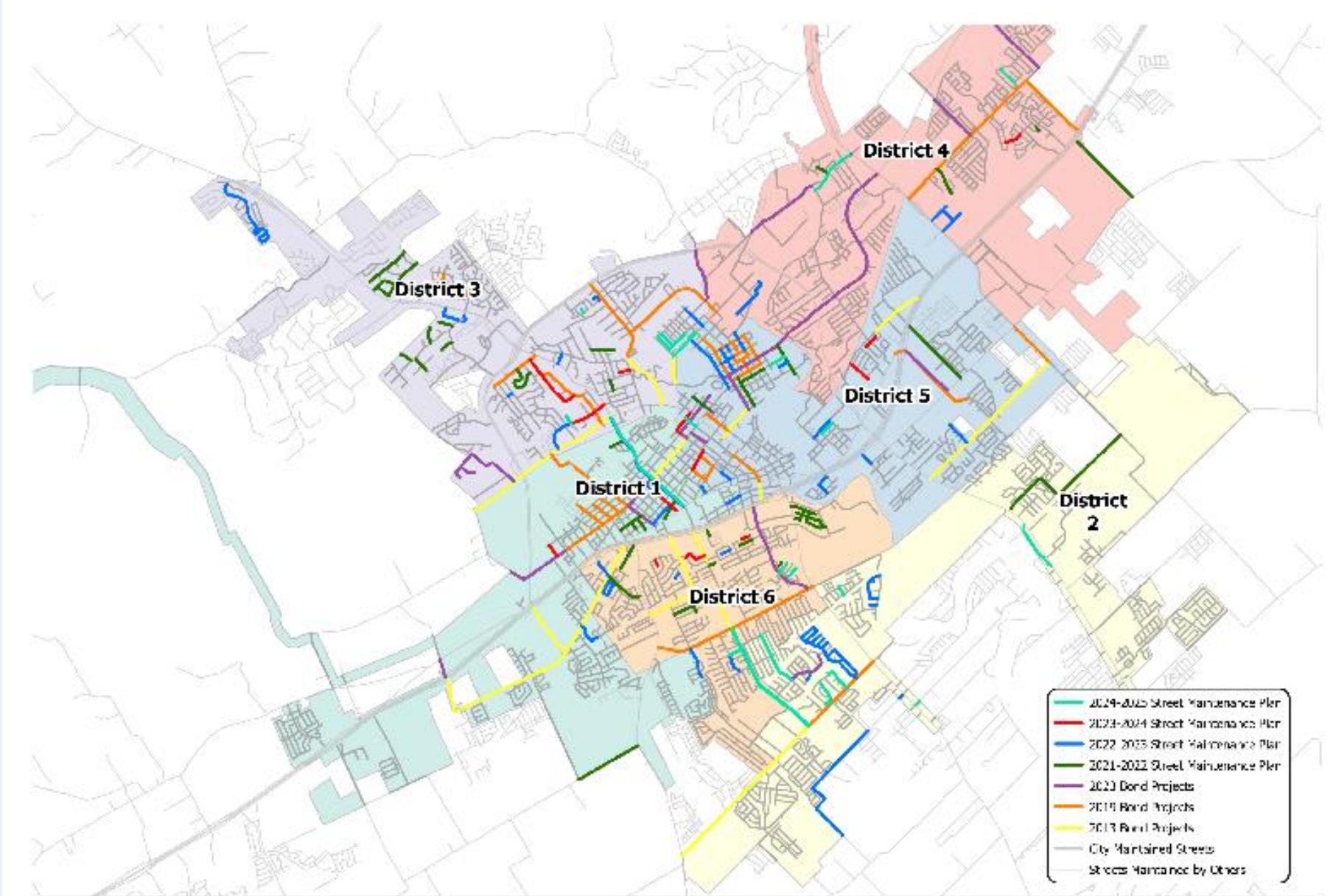


- Considered fair
- Could require rehabilitation or reconstruction

Overall Condition Index: 19

- Condition is considered poor to failed
- Requires reconstruction of base and surface

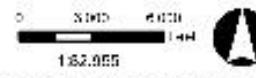




City of New Braunfels
Department of Public Works and Street Maintenance (DPW) Map

Street Work

Source: City of NB GIS Env. Lib. 018
Date: 02/22/20



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Next Steps

- Receive Public input (August 27th meeting and online survey till September 5th)
- Evaluate and develop the 2025-2026 proposed street maintenance plan
- Post the plan in Fall 2025



Links

Tonight's Meeting - Online Survey:

<https://www.newbraunfels.gov/streetsurvey>

Submitting a Pavement Concern:

<https://newbraunfels.gov/284/Streets-Drainage>

Viewing OCI Map and Road Closure Map:

<https://newbraunfels.gov/1847/Pavement-Management-Program>