



TOWN of
GROVELAND
MASSACHUSETTS



PAVEMENT MANAGEMENT PROGRAM

TOPICS

- ▶ WHAT IS A PAVEMENT MANAGEMENT PROGRAM?
- ▶ PAVING 101
- ▶ ROADWAY CONDITION ASSESMENT
- ▶ DEVELOPING A 5 YEAR ROADWAY IMPROVEMENT PLAN
- ▶ GOALS DURING PAVING

PAVEMENT MANAGMEMENT PROGRAM

- ▶ This is a comprehensive study to develop a roadway database evaluating the condition of the Town's road infrastructure that will allow for the development of a prioritized list of roadway improvements.
- ▶ The final product is a dynamic 5 Year Roadway Improvement Plan aiming to improve the Town's roadway networks in the most cost effective and impartial way.

PAVING 101

TOP COAT
WEARING COURSE

1.5"

BINDER

2.5"

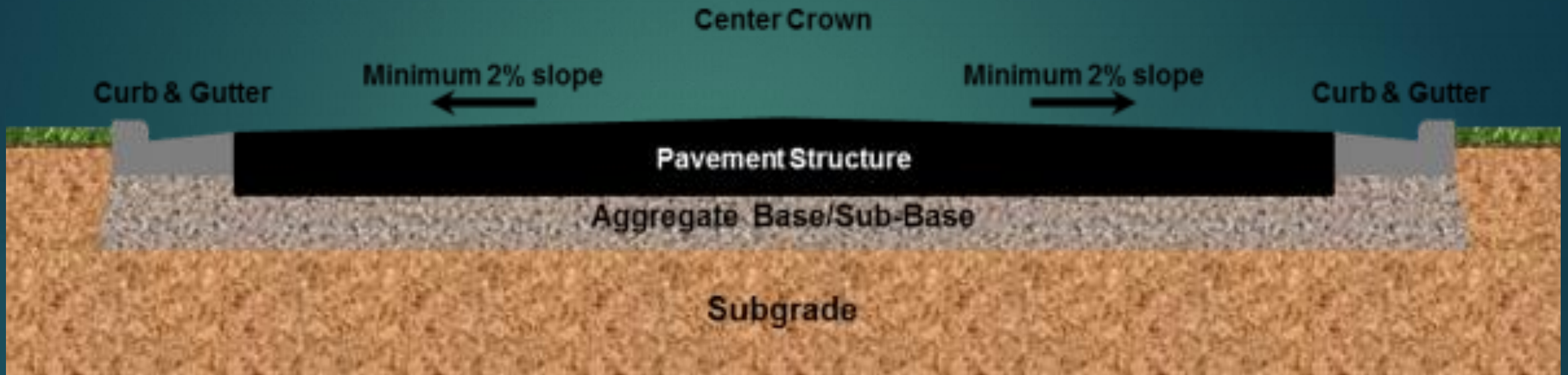
GRAVEL SUBBASE

8"

UNDISTURBED
EARTH

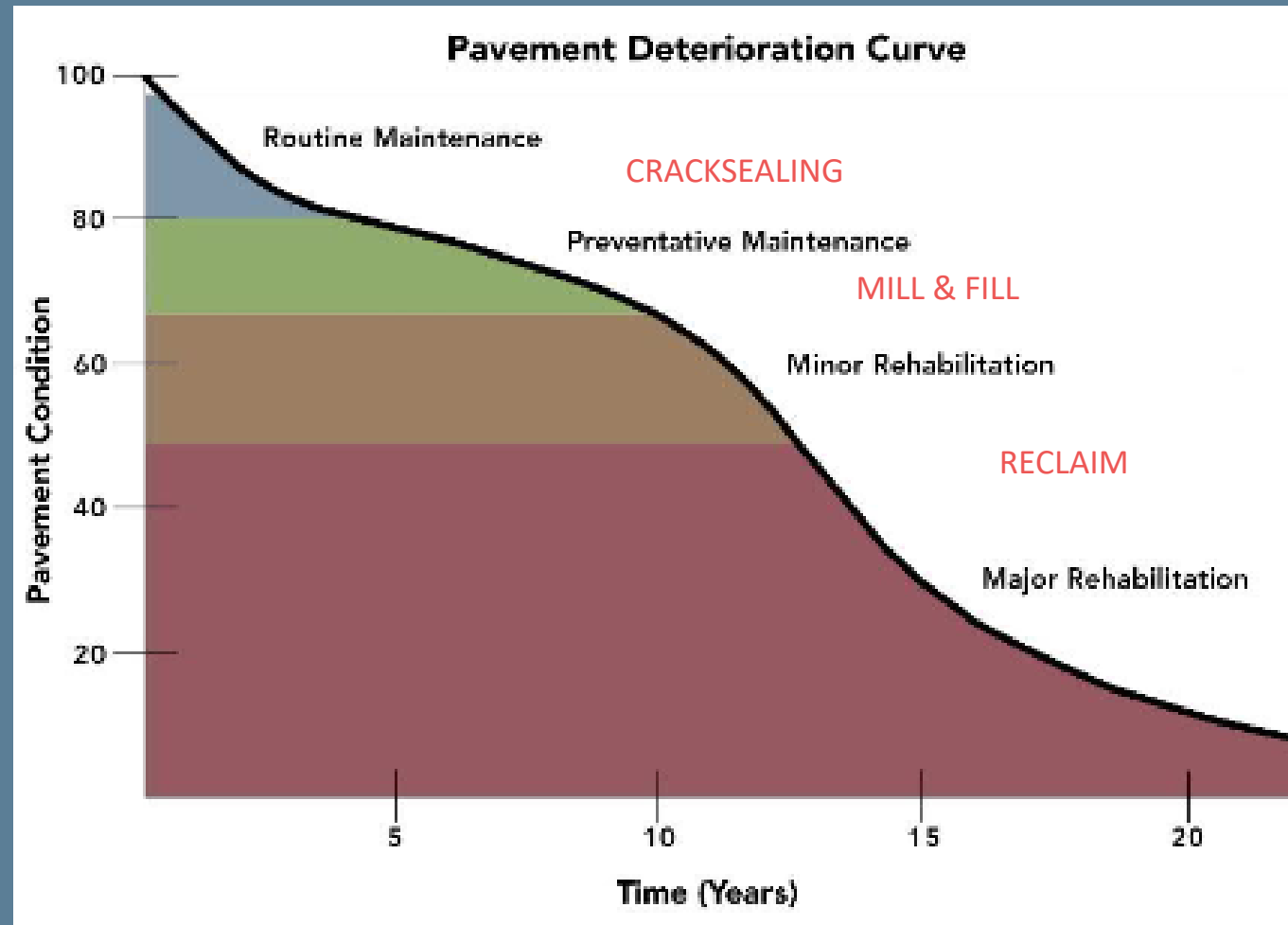
- Hot Mix Asphalt is composed of 3 materials:
 1. Aggregate (Stone)
 2. Sand
 3. Hot Liquid Asphalt (Petroleum Product)
- Top Course 1.5" Thick with 3/8" Aggregate (Stone)
- Binder Course 2.5" Thick with 3/4" Aggregate (Stone)
- Gravel or Suitable Material Subbase 8"

ROAD PROFILE



Road grading ensures proper drainage of the roadway

ROADWAY CONDITION ASSESSMENT



- Roadway condition assessment was conducted by the Merrimack Valley Planning Commission (Independent source)
- Inspected every roadway and rated each by condition
- 0-100 OCI Rating System (0 being worse and 100 being a newly paved road)





ROAD CONDITIONS

**MILLING
(MINOR REHABILITATION)**



**CRACKSEALING
(PREVENTATIVE)**



**RECLAIM
(MAJOR REHABILITATION)**



PAVING



ROAD TREATMENTS

DEVELOPING A 5 YEAR ROADWAY IMPROVEMENT PLAN

CRITERIA FOR CHOOSING ROADS

- Annual budget
- OCI Rating of road
- Type of treatment and estimate of each road
- Additional work required on road (i.e., drainage)
- Resident concerns and input
- Traffic volumes
- Future developments
- Upcoming utility work

GOALS DURING PAVING

- ▶ Improvement of the Town's roads over time
- ▶ Resident and Businesses Notifications
 - Mailings
 - Door to Door Flyers
 - Social Media Posts
 - Daily/Weekly Updates on Website
 - New Dedicated Paving Webpage
- ▶ Minimize impacts on residents/businesses (i.e. road closures, detours and parking restrictions)

Questions?

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