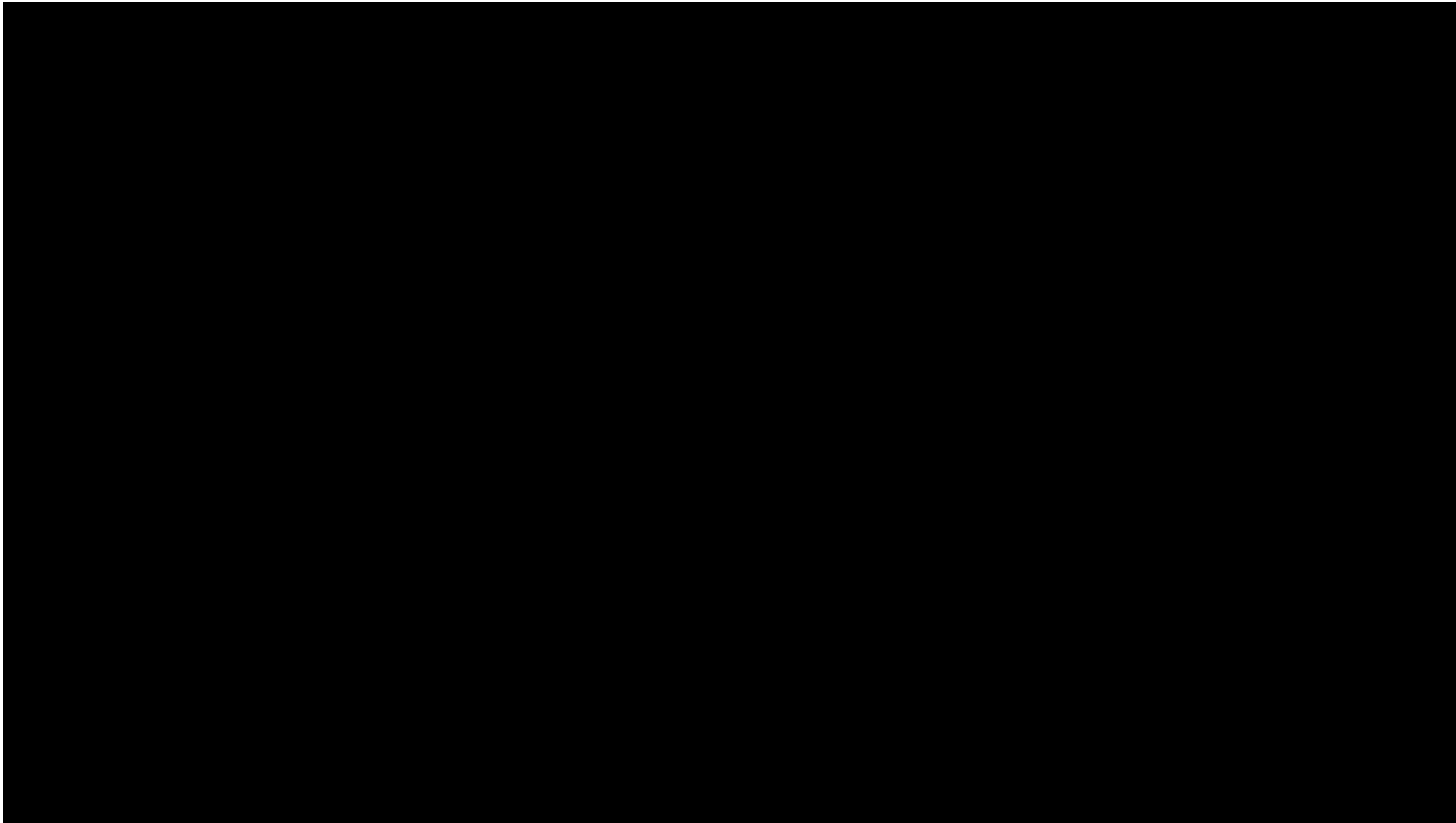
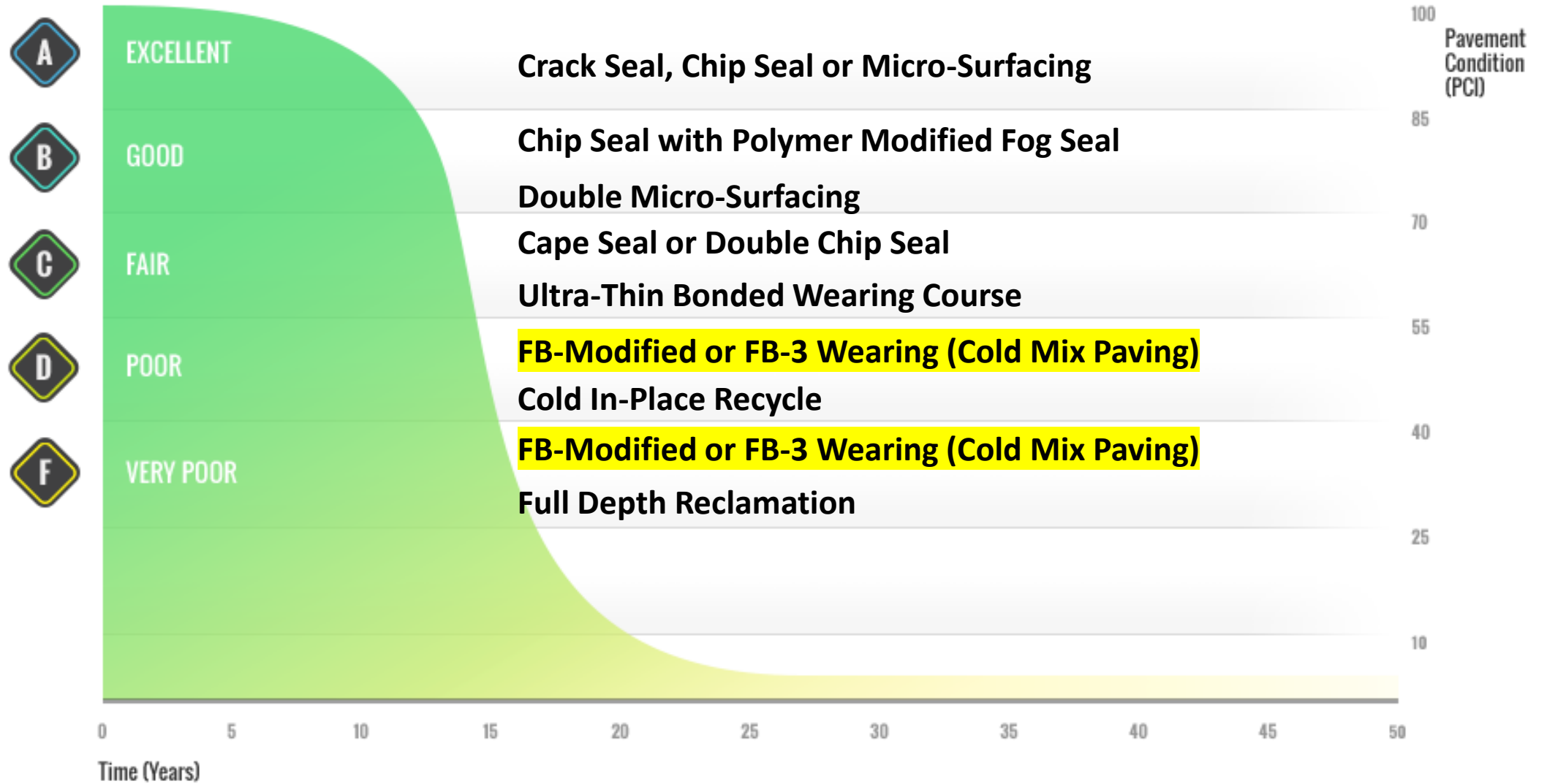




Flex Base (FB) Modified Paving



Treatment Selection



FB-Modified Paving

FB-Modified is a dense graded Cold Mix which is a combination base and wearing course in one material.

FB-Modified is typically selected for low volume roads and rural roads which have a deficient base and are severely deteriorated where a flexible material is required.

The dense graded Cold Mix consists of a custom blend of coarse and fine aggregates mixed with an asphalt emulsion (CMS-2 or LBM)

Flex Base (FB) Paving



- ***Materials are produced in a portable pugmill which is set up at or near the jobsite.***
- ***It is produced at ambient temperatures, so no heating of aggregates is required.***
- ***Custom mix designs can be provided for each job.***
- ***Suppliers test the aggregate for compatability and provide a state approved job mix design.***

Dense Graded Cold Mix Production

3 Aggregate Bins for Production of Customized Project Specific Mixes



Flex Base (FB) Paving

Pugmill is calibrated to properly disburse the aggregate to the mixing chamber where the binder is injected and mixed.

Aggregate



CMS-2 or LBM Emulsified Binder



Flex Base (FB) Paving

Material is loaded directly into trucks and transported to the road to feed a conventional paver.

The staging area is generally located within a short distance from the project to reduce transportation costs.



Flex Base (FB) Paving

Installation: Conventional Paving Practices are used in the placement of FB Cold Mix



Flex Base (FB) Paving

Rolling and “Choke”/Dusting (many mix designs will include a #9 choke aggregate applied to tie in any voids and reduce tackiness caused by the emulsified binder).

Once rolled it is open to traffic.

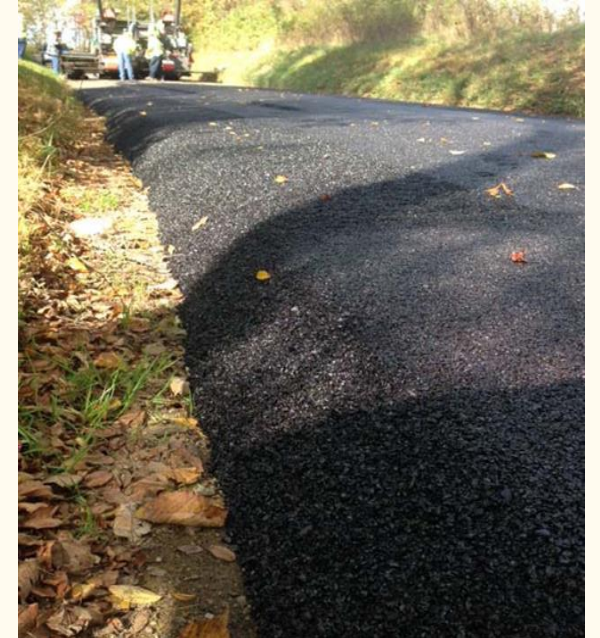


Table A for FB-3 Modified Bituminous Paving Course

Aggregate Sieve Size	Total Percent by Weight % Passing
12.5 mm (½ inch)	100
9.5MM (¾ inch)	85-100
4.75 mm (#4)	40-80
2.36 mm (#8)	0-40
75 µm (#200)	0-5
Bitumen % by Weight	(Minimum Residue)
Stone or Gravel	4.5%
Slag	5.0%

Table B for FB-3 Seal Coat, Slurry Seal and Surface Treatment Selection Guide

CURRENT ADT	SEAL COAT	SLURRY SEAL	SURFACE TREATMENT
0 - 800	Yes	Yes	Yes
801 - 1,500	Yes	Yes	Yes
1,501 - 3,000	2	Yes	2
3,001 - 5,000	2	Yes	2
5,001 - 12,000	2	1	2
12,001 - 20,000	3	1	2
Over 20,000	No	No	No

Flex Base (FB) Paving

Why choose Flex Base Paving?



Municipalities today are faced with declined roads and lack of funds to mill, repair the base and repave.

Without base repairs, conventional hot mix will not solve the problem.

Flex Base (FB) Paving

The nature of FB Cold Mix Paving is the finished product is ***flexible***

Unlike conventional hot mix asphalt, the emulsified binder allows the material to ***stay flexible and move with the unstable base***

This application is best suited for limited heavy truck traffic, no on-street parking, no large truck/school bus excessive turnarounds (due to “pushing” and flexibility (self-healing) in hot summer months)



Flex Base (FB) Paving

Have problems with water puddling
caused by profile issues on your road?
FB can CORRECT it!



Looking for a solution to address your
low volume roads? FB Paving is your
ANSWER!

Flex Base (FB) Paving



Benefits of FB Paving:

- Cost effective in right application
- Can be applied over weak base
- Flexible (Self Healing) not rigid like HMA
- 10% Greater Yield over hot mix asphalt (yield is higher than HMA or 19 mm open graded, approximately 1000 more SY/ton on a 10,000 SY job)
- Does not need tacked
- Does not need immediate chip seal (as compared to 19 mm and other open graded options)
- Reduced Greenhouse gas emissions

Flex Base (FB) Paving

before



after



Flex Base (FB) Paving

NORTH HUNTINGDON SCOTCH HILL #1/#2 FIBERMAT AND FLEXIBLE BASE

BEFORE FLEXIBLE BASE RECONSTRUCTION



AFTER FLEXIBLE BASE RECONSTRUCTION



Flex Base (FB) Paving

FLEXIBLE BASE FOR LEVELING



Flex Base (FB) Paving

FINISHED FLEXIBLE BASE



FB-MODIFIED - COLD MIX PAVING

ASPHALT MAINTENANCE SOLUTIONS LLC



AMS

A photograph of a paved road with a grassy shoulder. A white rectangular box with a thin black border is centered on the road, containing the word "QUESTIONS?" in orange, bold, sans-serif capital letters.

QUESTIONS?