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## **HOT MIX ASPHALT (HMA) AS SURFACE TREATMENT**

by

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Hot Mix Asphalt (HMA) is used for preventive maintenance and improvement on structurally sound pavements that are showing signs of aging, oxidation, minor surface disintegration or need load carrying enhancement.

HMA overlay offers a simple, cost effective way to maintain roads, streets, airport runways, parking lots, recreational facilities, etc., as it protects and improves your original investment. HMA has a quality control (QC) and quality assurance (QA) program with HMA contractors and materials that are “certified” by Mn/DOT.

A comparison of common surface treatments in Minnesota is listed below.



### Compare HMA Thin Overlay to Common Surface Treatments

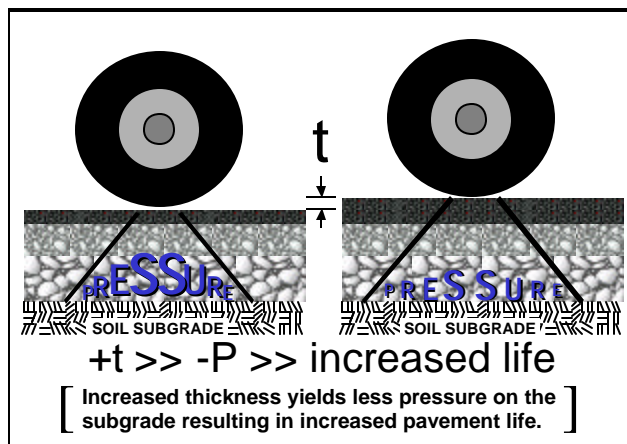
	Thin Overlay	Micro-surfacing	Seal Coating
Corrects surface distress	X	X	X
Increase skid resistance	X	X	X
Minimizes curb loss	X	X	X
Can be applied in one pass	X	X	X
Eliminates dust, loose aggregate	X	X	
Corrects minor rutting - single pass.	X		
Improves ride quality	X		



### Compare HMA Thin Overlay to Common Surface Treatments

	Thin Overlay	Micro-surfacing	Seal Coating
Increases structural strength	X		
Improves pavement draining	X		
Improves pavement cross-slope	X		
Quality Control/Quality Assurance	X		
Extended Season Applications	X		
Minimizes delamination/capillary vapor	X		

HMA also provides a new pavement surface – it’s the only preventive maintenance technique that also adds structural strength while helping to extend pavement service life. It is well understood in the highway engineering community that with every inch of pavement thickness comes added load-carrying capacity. As a pavement thickness increases, pressure per square inch on the subgrade decreases. This is due to the increased size of the footprint. The net result: Greater load carrying capacity and hence, increased pavement life.



Buyers of HMA receive extra-added bonuses absolutely free!

- Smoothness
- Quietness
- 100% Recyclable – “Money in the bank”

There is no wonder that when pavement specifiers consider surface treatment choices in the U.S., HMA (the versatile surfacing) is selected most often by far.