# DelDOT's Current Preservation Treatments

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## **DelDOT Pave and Rehab History**

Centerline Miles of Approved Locations by Fiscal Year						
	Overlays, FDR, CIPR	Thin Overlay	Microsurfacing	Tar & Chip to Asphalt Conversion	Tar & Chip	
FY13	10.69	-	145.78	-	193.3	
FY12	217.77	59.12	188.22	21.30	171.67	
FY11	88.30	18.87	106.80	20.00	230.00	
ERRA (FY10)	80.82	-	-	-	-	
FY10	43.64	21.16	112.35	20.53	226.00	
FY09	175.30	-	58.48	61.34	219.98	
FYo8	139.07	-	17.29	12.94	178.30	
FY07	72.13	-	-	13.53	129.30	
FYo6	90.39	-	-	24.40	155.04	

## Micro Surfacing & Thin Overlay





**Micro Surfacing** 

**Thin Overlay** 

## FY 08-13 Micro Surfacing Centerline Miles of Approved Locations

Fiscal Year	Centerline Miles
FY2008	17.29
FY2009	58.48
FY2010	107.56
FY2011	100.00
FY2012	188.22
FY2013	145.78

## Micro Surfacing



- overall good success
- Department has been putting out press releases to educate public
- use as cost effective way to treat shoulders

## Micro Surfacing



Only few locations with bonding issues

Previous striping not completely removed

## FY 10-12 Thin Overlay Centerline Miles of Approved Locations

Fiscal Year	Centerline Miles
FY2010	21.16
FY2011	18.87
FY2012	59.12

## Thin Overlay

Warm Mix Asphalt used to avoid swelling on heavily crack sealed roads







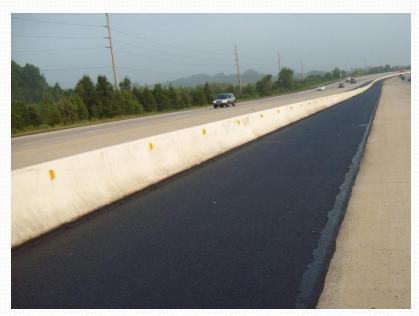
### Thin Overlays

- can be used in lieu of micro surfacing where improvement in rideability and adding structure is desired
- alternate to conventional 2 in. overlay.
  - very little need for milling some structural strength is always being added to the road

DelDOT has recently adapted thin overlay and so far no major failures have been detected.

## Fog Sealing





Location: SR1, ADDT 35,084 Concrete Pavement with Hot Mix Shoulders Built in 1994

### Fog Sealing



- Concrete in good condition and recently been joint sealed.
- Hot mix shoulders had some cracks and been crack sealed and prepared before fog seal.

### Fog Seal

- Fog sealing combined with prior crack sealing on low traffic shoulders and roads can be used to protect the road against moisture and further oxidation.
- Fog sealing can specially be very effective to protect rumble strips against fast deterioration due to standing water
- Fast, with less traffic control



**Before** 



After

## Questions?