

DeIDOT's Current Preservation Treatments

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DeIDOT 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
FY08	139.07	-	17.29	12.94	178.30
FY07	72.13	-	-	13.53	129.30
FY06	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?