

North Dakota Asphalt Conference
April 5-6, 2016

NDDOT Asphalt Paving



Asphalt Program

Ride

Specifications

Longitudinal Joint Density

2015 In Review



2015 In Review

- Projects

- 98 Programmed projects

2015 In Review

■ 98 Projects

- 990 miles paved with HBP
- 2,537,635 tons of HBP
- 125,053 tons of asphalt cement

2015 In Review

■ 2,537,635 tons of HBP

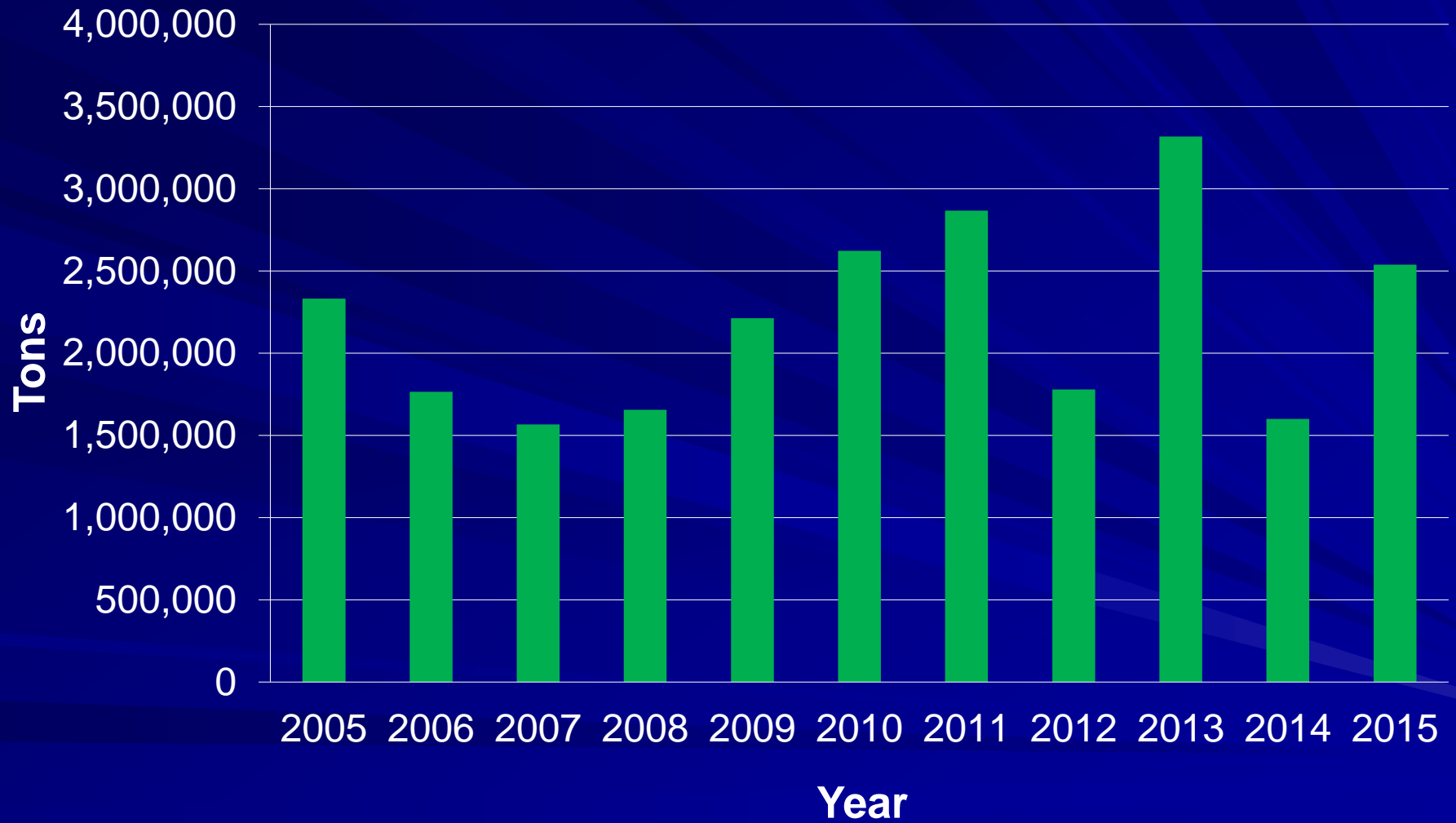
–Superpave FAA 40	44,988 tons
–Superpave FAA 42	26,950 tons
–Superpave FAA 43	370,644 tons
–Superpave FAA 45	1,120,040 tons
–Commercial Grade	15,028 tons
–Patching	13,242 tons

2015 In Review

■ 2,537,635 tons of HBP(Continued)

- RAP Superpave FAA 40 84,913 tons
- RAP Superpave FAA 42 94,643 tons
- RAP Superpave FAA 43 207,226 tons
- RAP Superpave FAA 44 90 tons
- RAP Superpave FAA 45 588,141 tons

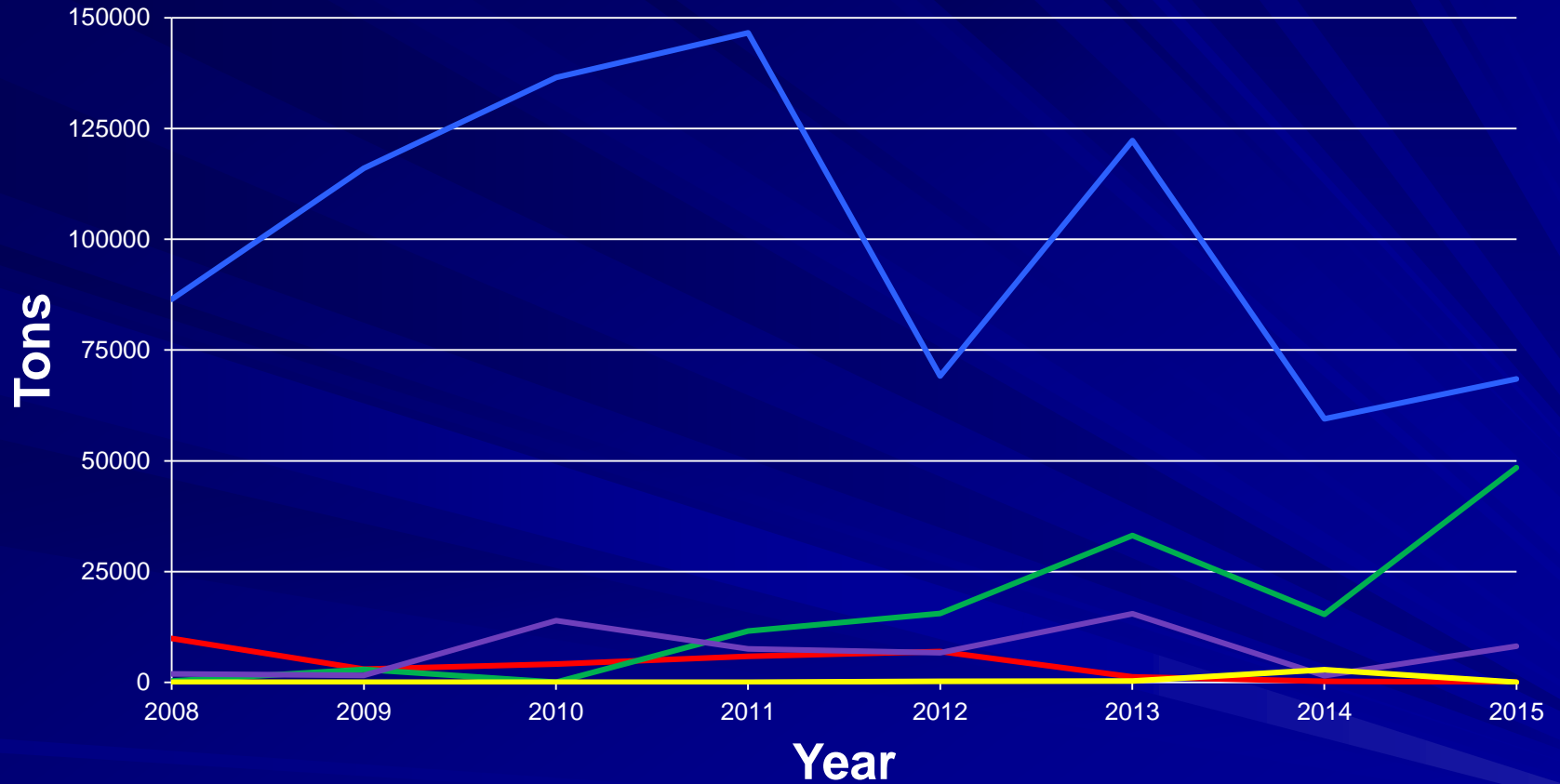
Quantity of HBP



2015 In Review

- 125,053 tons of asphalt cement
 - PG 58-28 68,480 tons
 - PG 58-34 0 tons
 - PG 64-28 48,439 tons
 - PG 64-34 8,134 tons
 - PG 70-28 0 tons

Performance Graded Binders



— PG 58-28 — PG 58-34 — PG 64-28 — PG 64-34 — PG 70-28

Ride

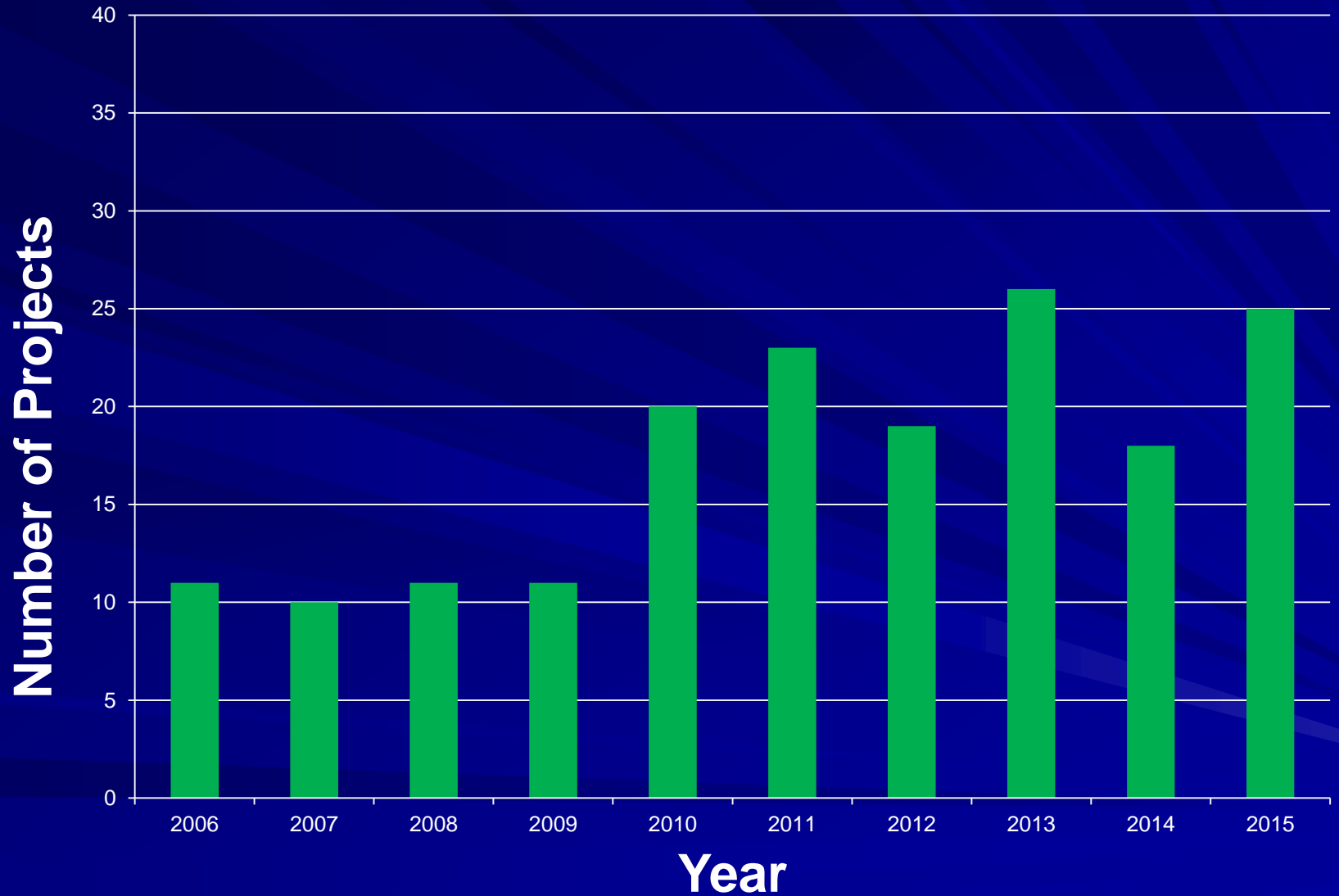


Ride Specifications For 2015

Types of projects with ride specifications

- Thin Lift Overlays 5
- Structural Overlays 9
- Reconstruction/Full Depth Reclamation 11

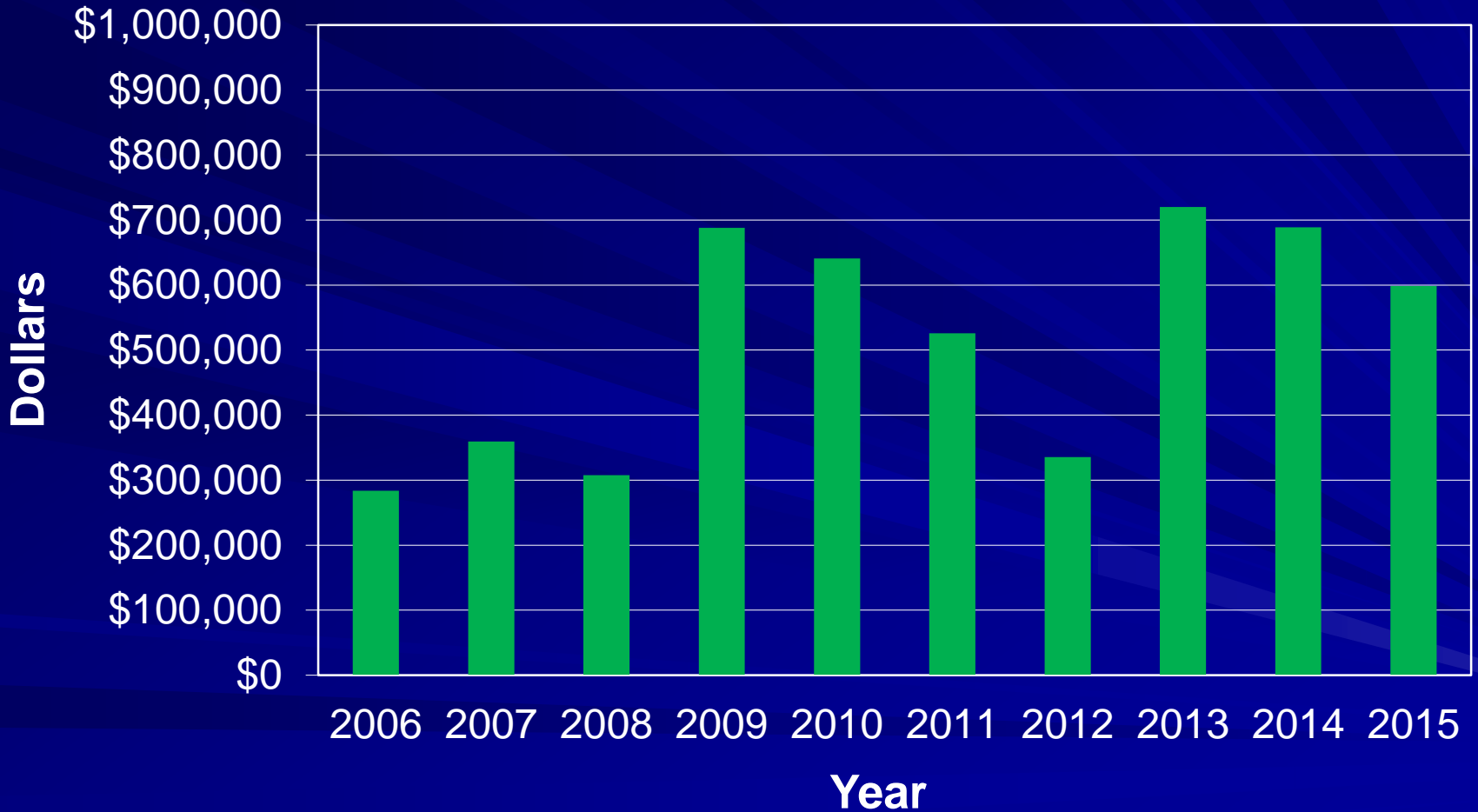
Number of Projects with Ride Specifications



RIDE



Incentive Payout per Year



Changes in Specifications



Changes In Specifications

- PG binder Multi-Stress Creep Recovery(MSCR) requirements.

Longitudinal Joint Density



Longitudinal Joint Density

- 2014
- Project average for longitudinal density.
 - 90.5 - 86.5
 - 90.4 - 90.2
 - 88.8 - 86.4
 - 85.5 - 88.0
 - 83.3 - 85.2

Longitudinal Joint Density

- **CENTERLINE LONGITUDINAL JOINTS:**
Construct joints in a manner to provide a continuous bond between the old and new surfaces. When constructing longitudinal joints adjacent to existing HMA pavements overlap the existing pavement 1 inch to 1.5 inches. The initial longitudinal roller pass shall be on the un-compacted hot mat 6 inches to 1 foot from the joint. The successive roller pass shall compact the overlapped material and the 6 inch to 1 foot material simultaneously.

Longitudinal Joint Density

- 2015
- Project average longitudinal densities.
 - 87.1
 - 87.4
 - 91.3
 - 89.6
 - 89.8
 - 85.9
 - 87.7

Longitudinal Joint Density

- 2015
- Project average longitudinal densities.
 - 87.1
 - 87.4
 - 91.3
 - 89.6
 - 89.8
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 - 87.7

2016



Any Questions?

