Alaska Department of Transportation & Public Facilities

Use of HiMA / PG 64-40 Mixes

5th and 6th Avenue Paving, L Street to Ingra & L&I Couplet Pavement Preservation: Phase I

11/10/15

Project Overview

- Jason Lamoreaux – AK DOT Project Engineer
- Chris Lubbers – Kraton Polymers
- Scott Hayden – Denali Materials

Project Summary

- Mill 1.75”, Pave 2.0”
- 13,492 tons HMA (Type VH)
- PG 64-40 Oil
- Mix Placement Temp: 315-335 ^{o}F

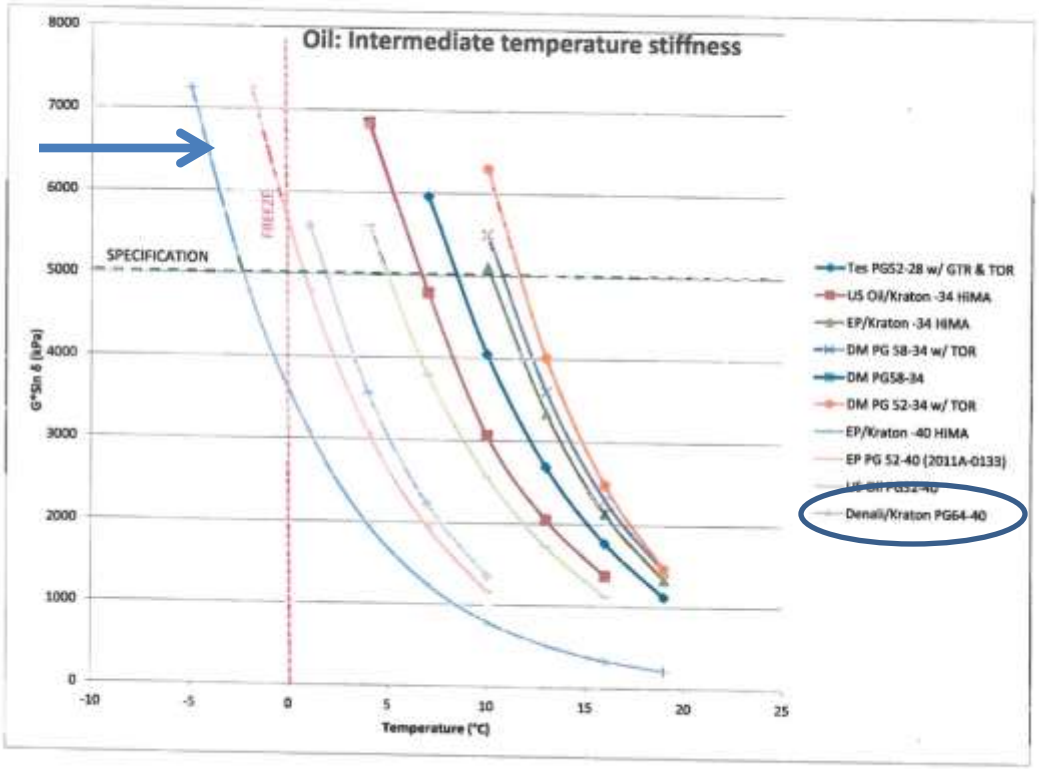
Unique Challenges

- Downtown Anchorage
- Old Infrastructure above and below ground
- Concrete Intersections
- Pedestrians (young, old, sober, impaired)
- No Vibratory Compaction Allowed
  - Must meet same placement, smoothness, and compaction requirements as other projects.

Downtown Congestion

Concrete Intersections

Intermediate Temp. Stiffness



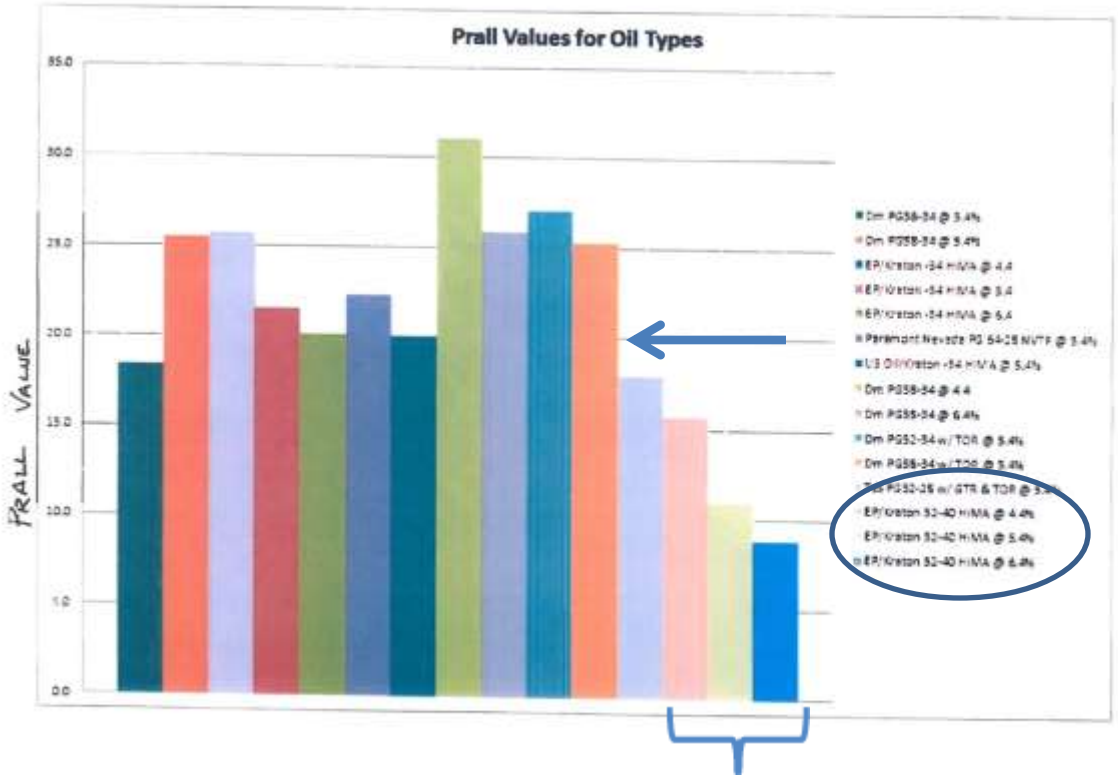
Prall Testing

- Used for Measuring Rut Resistance
- Measures material loss during test

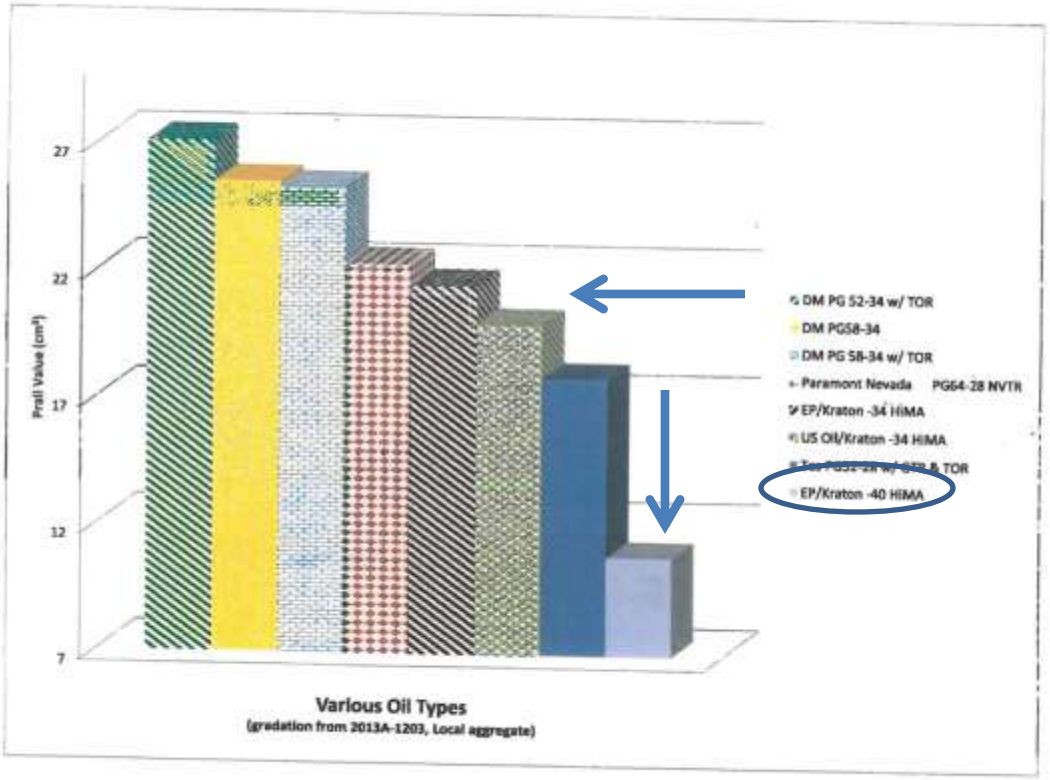
Nordic Countries Classification of wear resistance of asphalt mixtures using Prall results

Class	Prall-loss, cm^3	Wear resistance
1	< 20	Very good
2	20 – 29	Good
3	30 – 39	Satisfactory
4	40 –50	Less satisfactory
5	> 50	Poor

Prall Values



Prall Values - Averaged



Questions?