

Scrub Seals an Evolving Process

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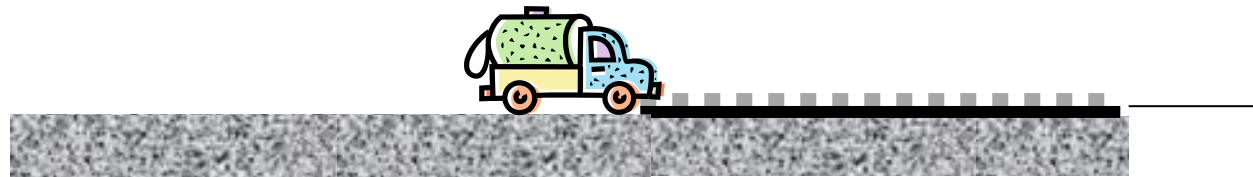
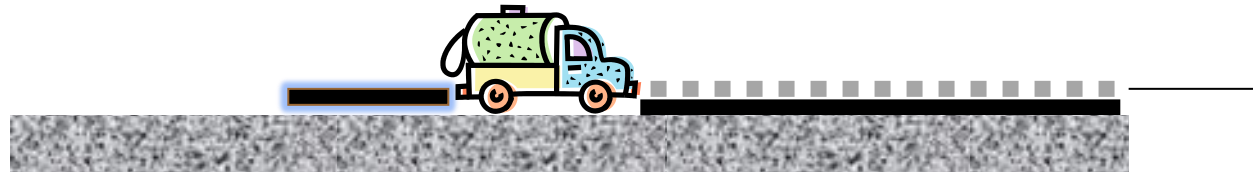


Idaho Asphalt
Supply, Inc.

JB Johnny B.
Transport



Terminology



PASS: The First PMRE

PASS is a Polymer Asphalt Surface Sealer used as a binder for aggregate chips while also sealing cracks in distressed pavements. (original PMRE)

It contains:

- Asphalt
- Solvent-free rejuvenating agent (15%)
- High-quality emulsifier
 - (The emulsifier is changed to facilitate the end use)
- Tough Polychloroprene Polymer (3.5%) PA-AS-1

Aggregates

- All Common Chip Seal Sizes
- Cinders - Colored
- Crushed Fines
- RAP
- Slags

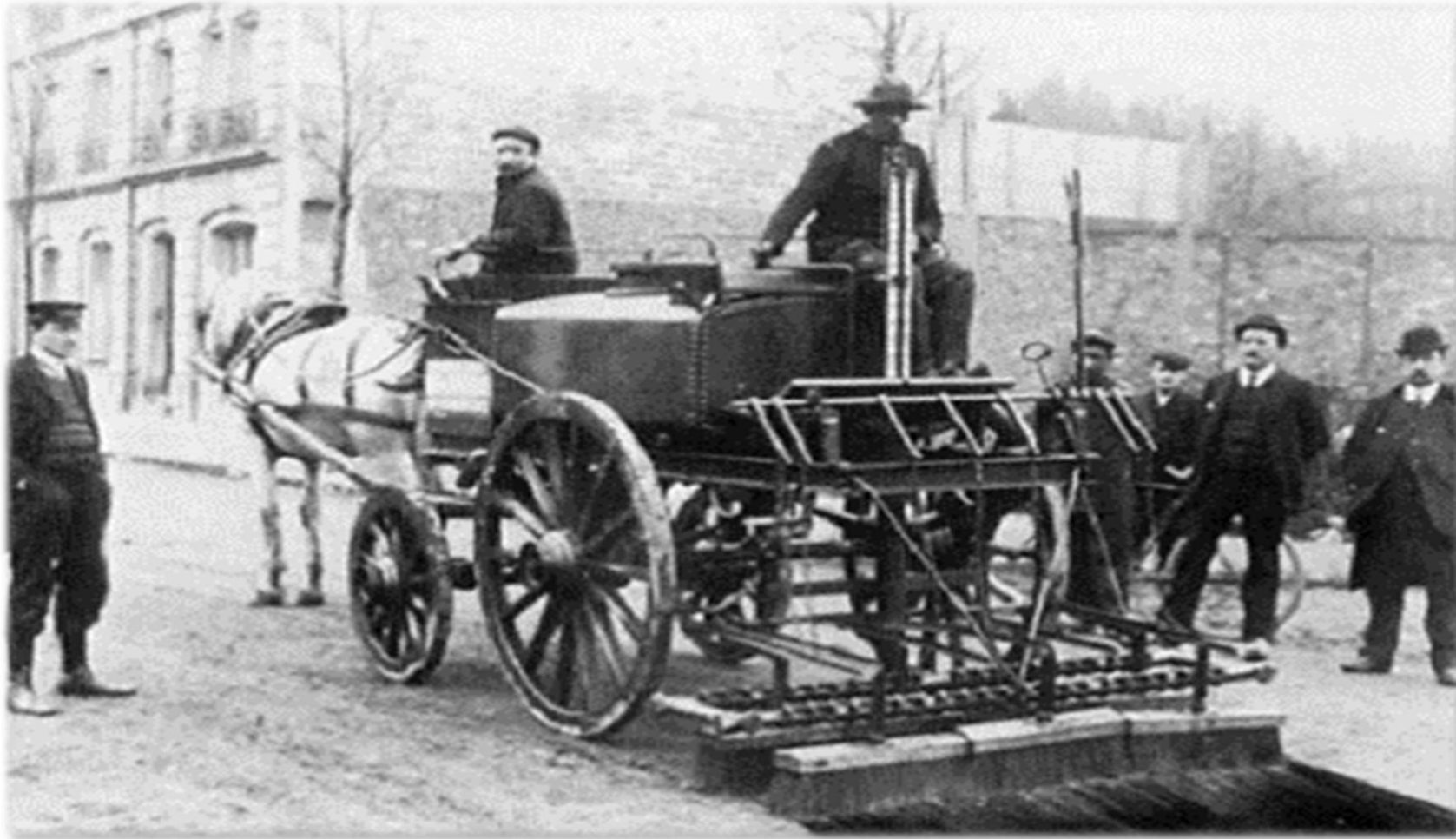
Limitations

Structural failures need to be identified and repaired prior to application



Long History

Why?



90s' Comeback!

Western Emulsions



Scrub Seals



Scrub Seals



Why Scrub Seals

Consider Scrub Seal / Cape



Scrub Box

- Curb & Gutter
- Intersections
- Stops / Starts
- Broom Replacement
- Slopes
- Up Hill / Down Hill
- Track Out
- On Site Portability



Scrub Box: Enhancements

- Storage Stands
- Cordless Control
- Multiple Broom Selections
- Eliminated Axles
- Hydraulic Width Adjustment
- Emulsion Containment
- Positive Height Adjustment
- On Site Construction Flexibility



Lift Box Mechanism



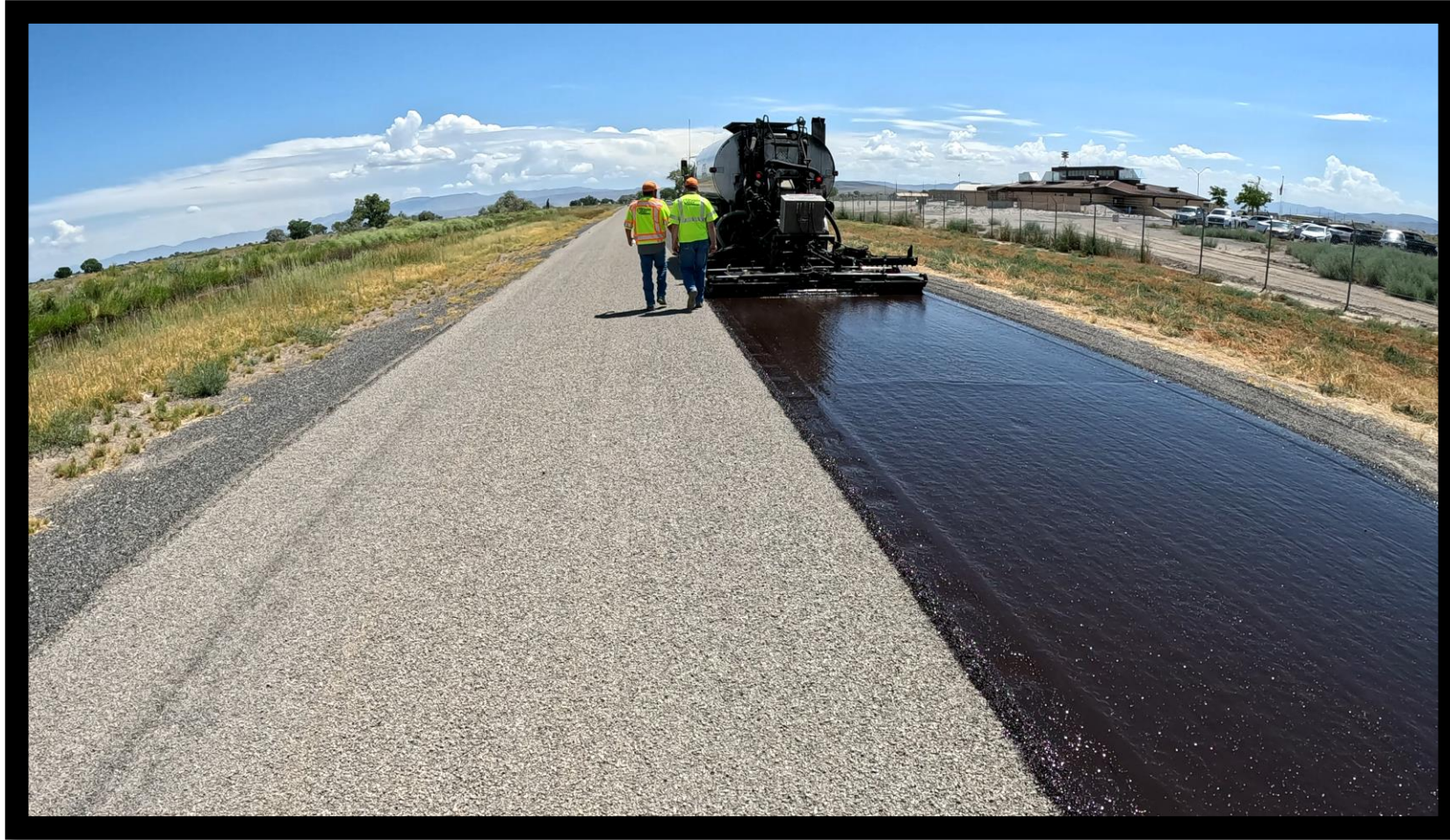
- Self Contained electric over Hydraulic
- 12V chargeable through unit
- Cordless Controls
- Manual back up controls
- Removable between jobs

Trimming: On Site Flexibility



Speed Adjustment

Box allows for real time speed adjustment: 100 to 350 feet per minute



Cleaner Job Site

- Less Drag Out
- Quicker Re-Start
- Better Joints
- Product Containment



Construction Mobility

- Jumping Between Roads
- Loading Material
- Broom Cleanup
- On the fly adjustment



Broom Heads

Broom heads allow for multiple surface textures



Why Scrub?



Scrub Box

Flexibility to chip when you need to! Don't Scrub to Scrub!



Scrub Box

Will bring Scrub Sealing to more environments



Scrub Box

Multiple variations to consider for your toolbox!

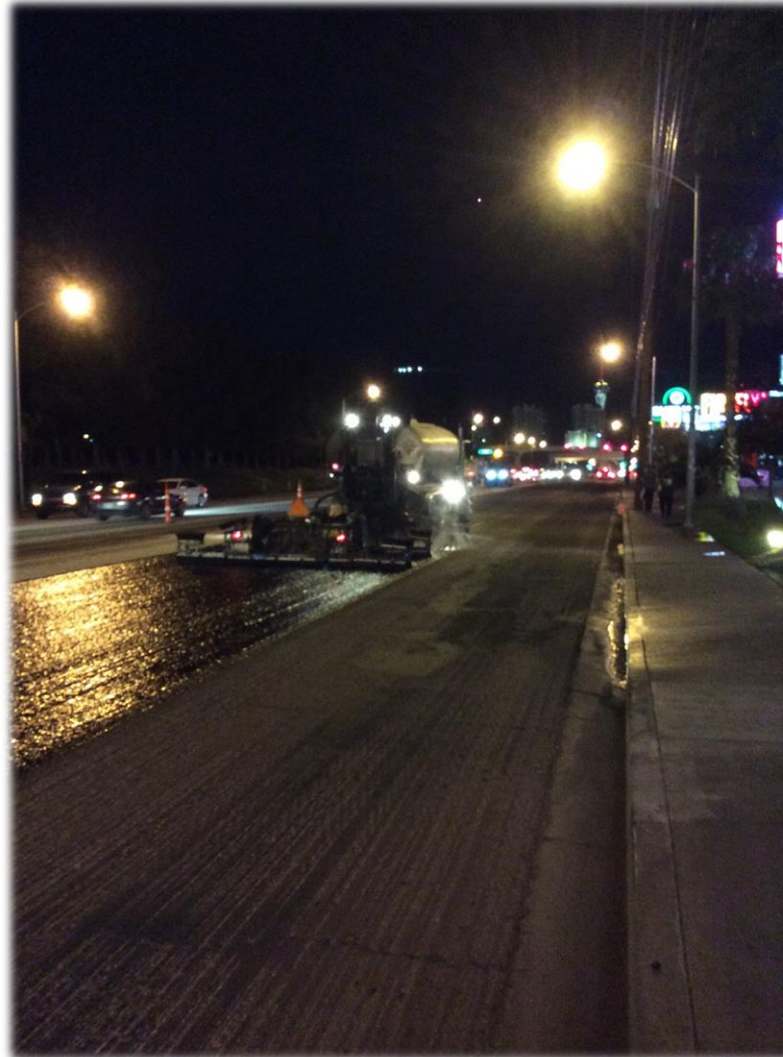


Sami's Under HMA



Scrub Seal Placed as an Interlayer

- Dense Grades
- SMA's
- Open Grades
- Hi MOD



Cape Seal

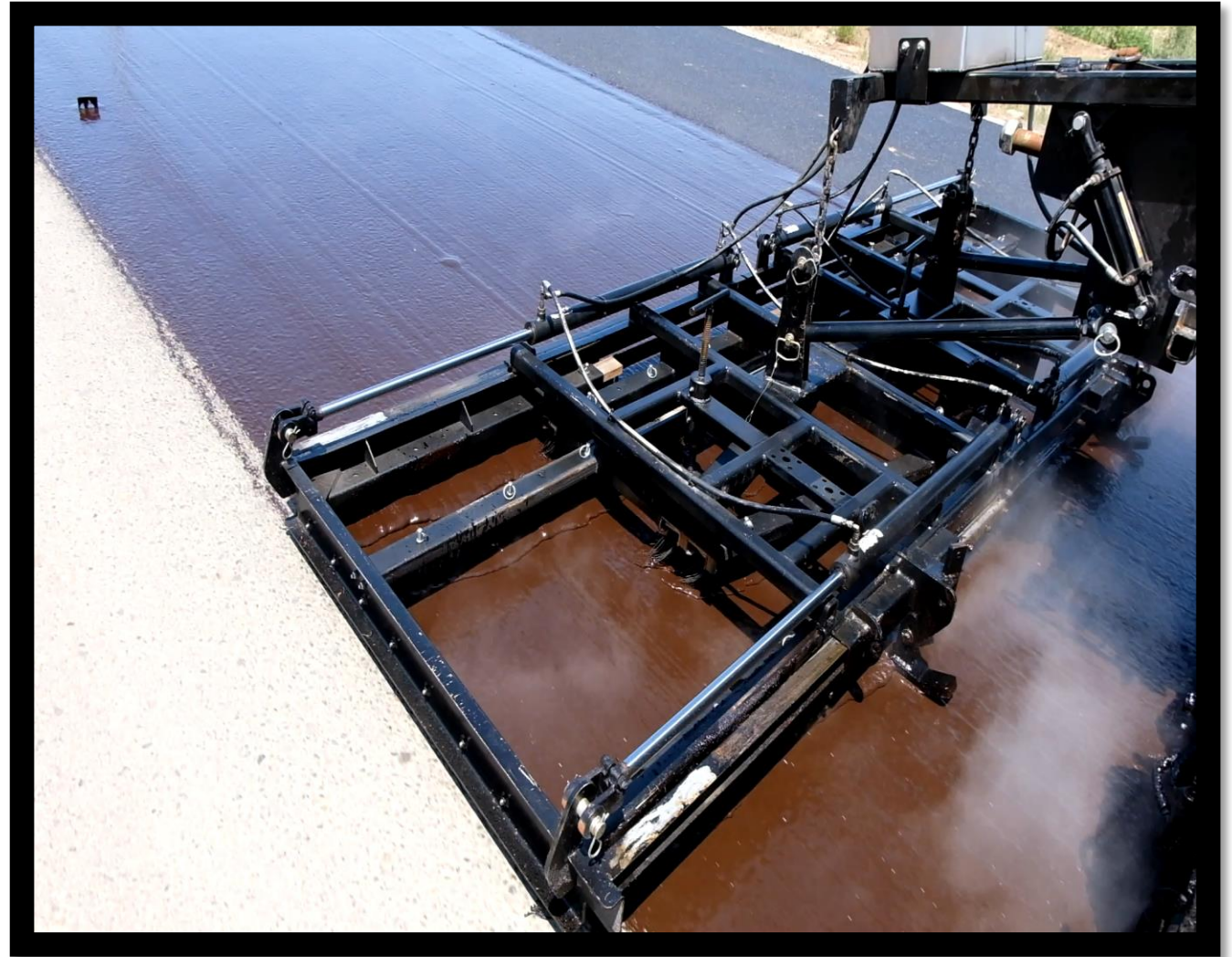


Scrub / Chip Seal Application



Lessons Learned from 2023

- Operator Learning Curve
- Start/Stops
- Broom Selection
- Aggregate / Road Texture
- Box Height
- Broom Maintenance
- Mobilizing
- Box Care



Questions?

