

Don Grande

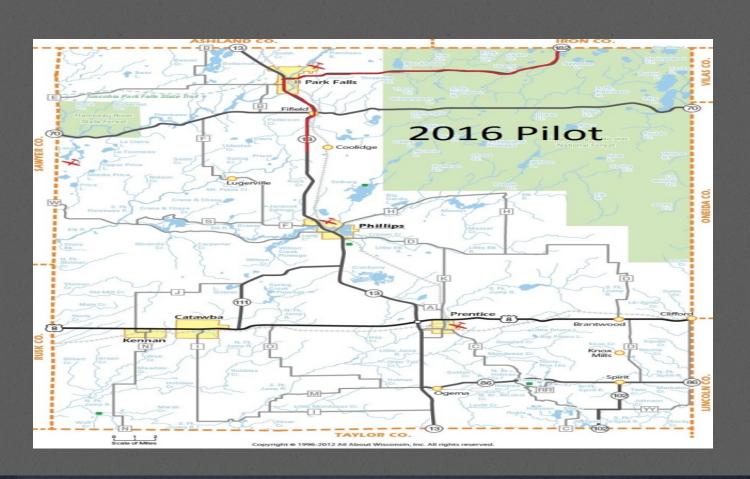
Price County Highway Commissioner 2018 Winter Operations Conference



- Xzalt 14' prototype spreader utilized
- 70/30 dry to wet ratio
- Directional placement spinner with multilane option
- 7.6 Yards salt and 584 gallons of liquid
- 60.5 Lane Miles







2016 Pilot Data

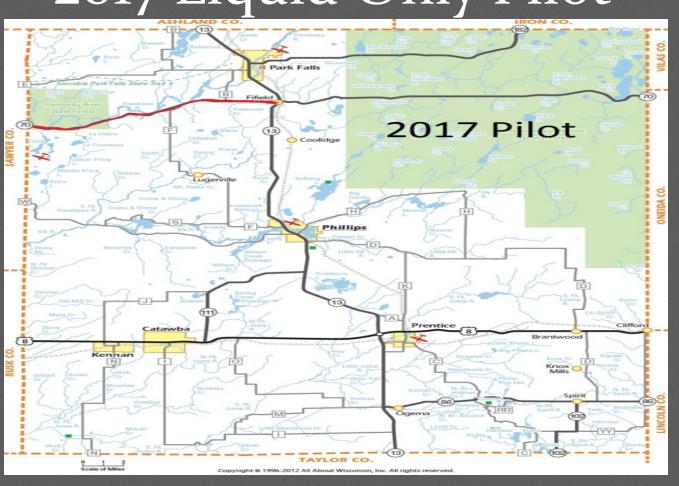
- Reduction in solids per application by 25% compared to other routes.
- Increase in liquids per applications by 135% over other routes.
- 1.6 applications for the neighboring sections one single application.
- Cost increase of 14% per lane mile over other adjoining sections.

2016 Issues

- Not enough capacity
- Required to run spinner at minimum 40 RPMS
- Broadcast in place of centerline application
- LOTS of electronic and issues associated

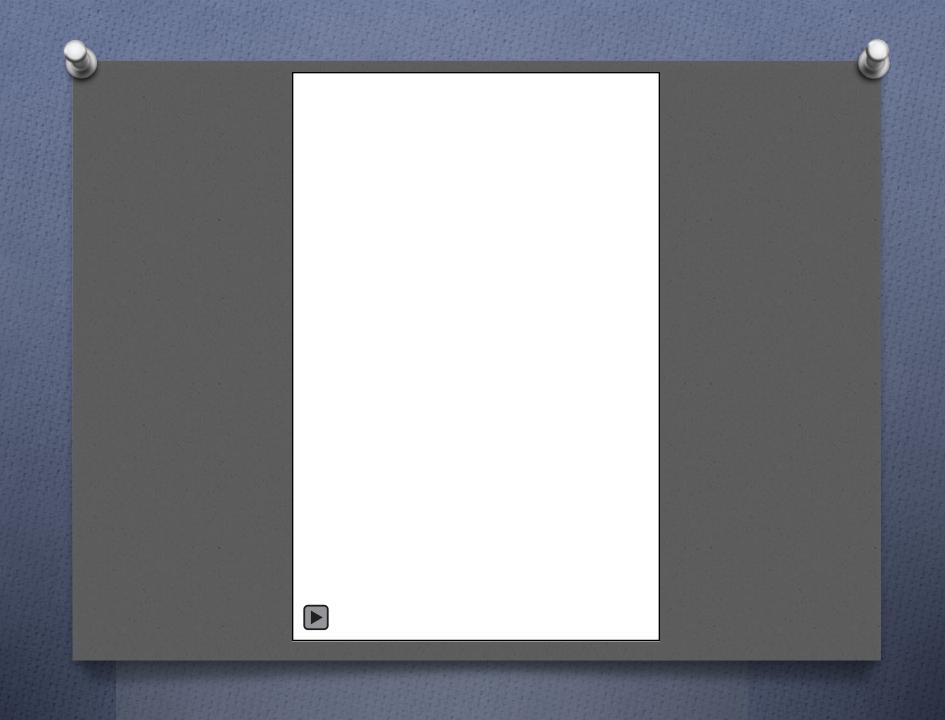






2017 Pilot Data

- All liquid applications for 14 storm events
- Cost decrease of 64% on material application
- Application issues with full lane liquid applications 9' with add a lane feature
- Changed application system to twin 4' centerline to quarter crown application with direct flow pencil nozzles 0.008"

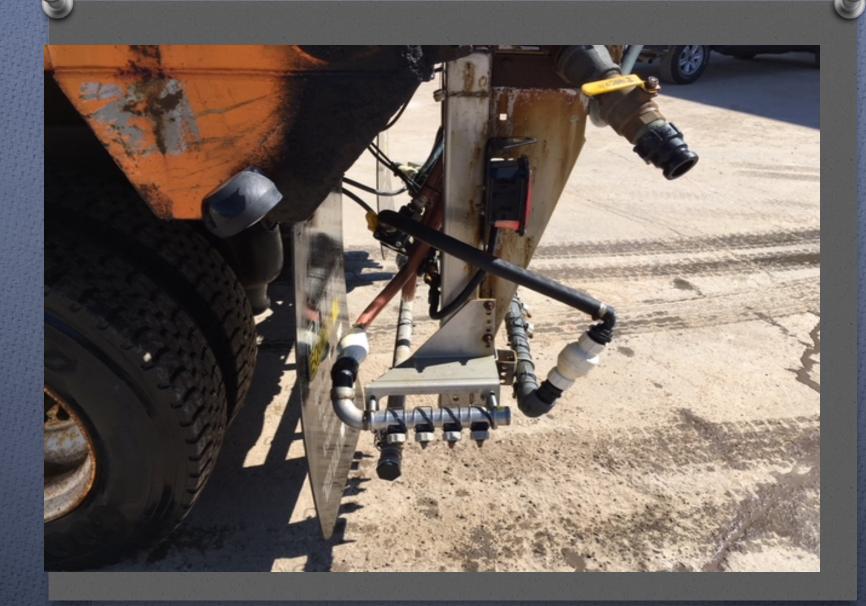














2018 Liquid Only Pilot



New Setup for 2018-2019 Pilot





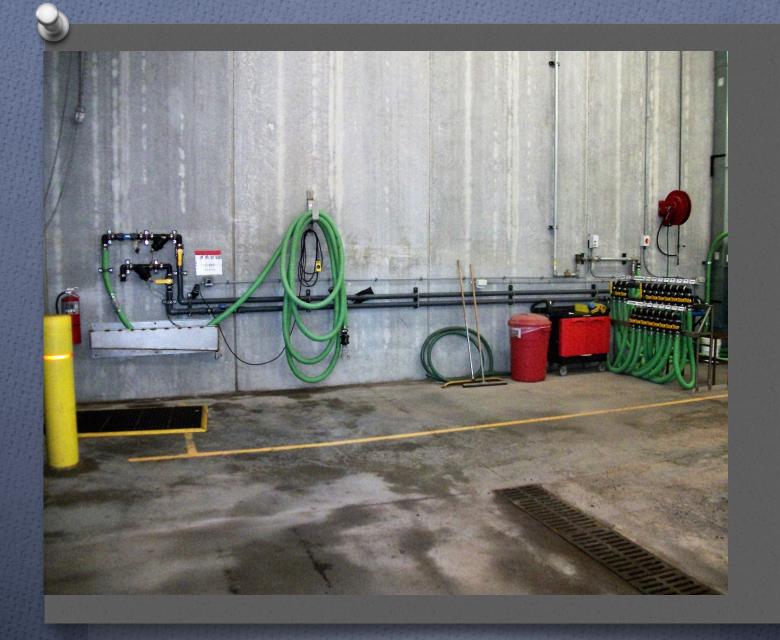
Today's System

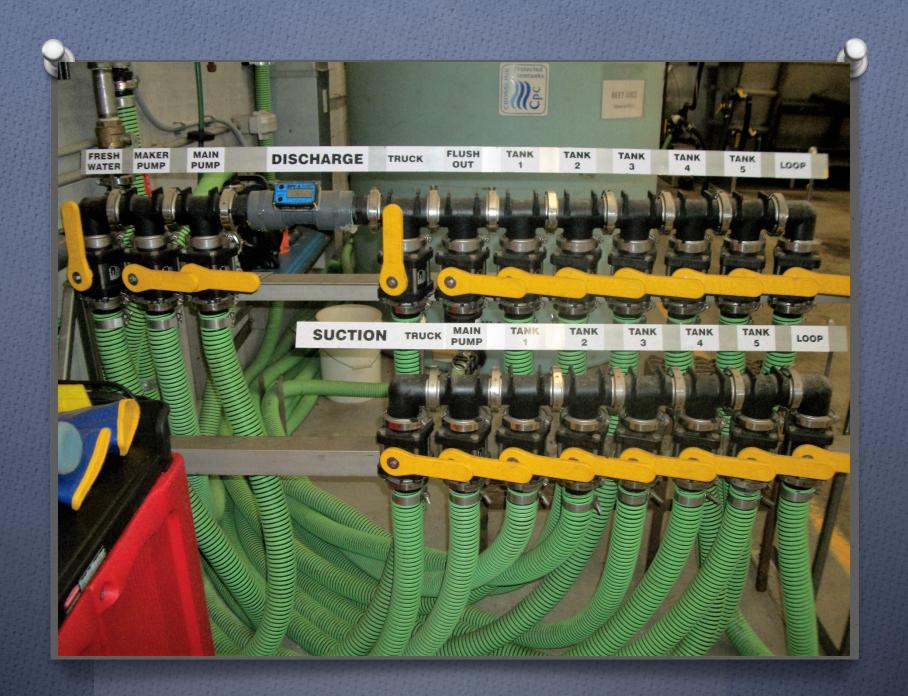
























Thank You

Don Grande
Price County
Highway Commissioner
don.grande@co.price.wi.us
1(715) 685-4034 Cell

Joe Baratka
Price County
Patrol Superintendent
Joe.baratka@co.pace.wi.us
1(715) 820-0663 Cell

http://www.co.price.wi.us/government/HighwayDepartmen