

# 2013 Michigan LTAP Winter Operations Conference



Innovations from the Trenches

City of Novi, Michigan

# Operator Creativity



Operator initiative to advance  
winter operations.

## Standard solid de-icer /liquid applicators of the past....





# Empowering your employees to explore new ideas



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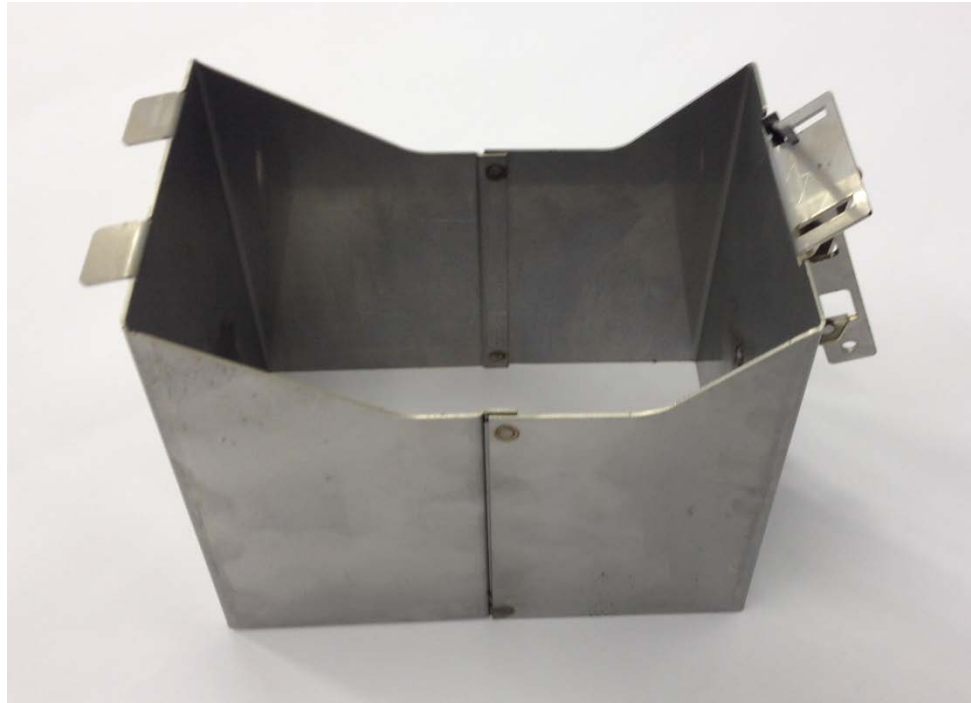
# Prototype Liquid Application Chute

PVC Pipe did an adequate job. If cost is an issue this is a great solution.



## Final Custom Liquid Application Chute

Stainless steel chute attaches to the sander with minimal effort.





## The positive results after adding the custom chute!



**Without Chute**



**With Chute**



# 100% Saturation!

## Therefore greatly reducing the “bounce & scatter” effect



# Advantages of this enhancement...

- Enhanced material coverage
- Reduces wind waste
- Creates slurry mix thus minimizing the “Bounce & Scatter” effect
- Speeds up the reaction time
- Quick release pins allow for easy installation, removal and maintenance
- Approximate cost of stainless steel chute \$200

# Questions...

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