

# City of West Des Moines

Population 60,000

Day Time Population 120,000

774 Lane Miles

High Service Level Expectations



# Equipment

- 6 tandems with plows, wings and sanders
- 10 single axels with plows, wings and sanders
- 2 loaders
- 2 graders
- 4 One ton pick up trucks with boss plows
- 4 snow blowers
- 6 anti-icing units (tanks)
- 28 Units Total

# What Operators Expect From Management

Direction

What's the game plan for this storm?

Training

Materials, Equipment

Communication

Let Us Know What You Know

# What Operators Expect From Management

## Direction

Inspecting Equipment (September)

Snow Fence

Hiring Part-Time Plow Operators

Drive Routes (Mailboxes, etc)

Meetings (Training)

Snow Event

Cleaning Bridges, Intersections, Business Areas, Benching

Replenish Materials

Washing Equipment

Post Storm/End of Season Meetings

# Inspecting Equipment



# Inspection Sheet

CITY OF WEST DES MOINES  
Department of Public Works

## PERIODIC DETAILED VEHICLE INSPECTION WITH SNOW & ICE CONTROL EQUIPMENT

Vehicle #  
X or N/A

OK	Needs Repair	Repaired Date	ITEM	
			1	Vehicle Appearance Check exterior: <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Check interior: <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
			2	LH Mirror and spot mirror: No cracks, discoloration, no loose, missing, or bent mounting parts, proper installation and adjustment for rear vision
			3	Left front wheel: Check tightness of all wheel mounting hardware, look for rust around lug nuts, no cracks, bent rims or broken / missing studs, clamps, lugs
			3.1	Tire: properly inflated, valve stems not touching wheel, rim, or brake drum, valve cap in place, no bulges or deep cuts, adequate tread depth, no uneven wear
			3.2	Hub: No leak, oil at proper level
			4	Left front suspension & springs:
			4.1	Spring, spring hangers, shackles, U bolts: No loose, broken, cracked, missing or shifted parts
			4.2	Shock: Secure mounting, no leaks

# Snow Fence



# Hiring Part-Time Plow Operators

Try to get 6 hired in the fall  
Getting Harder To Find



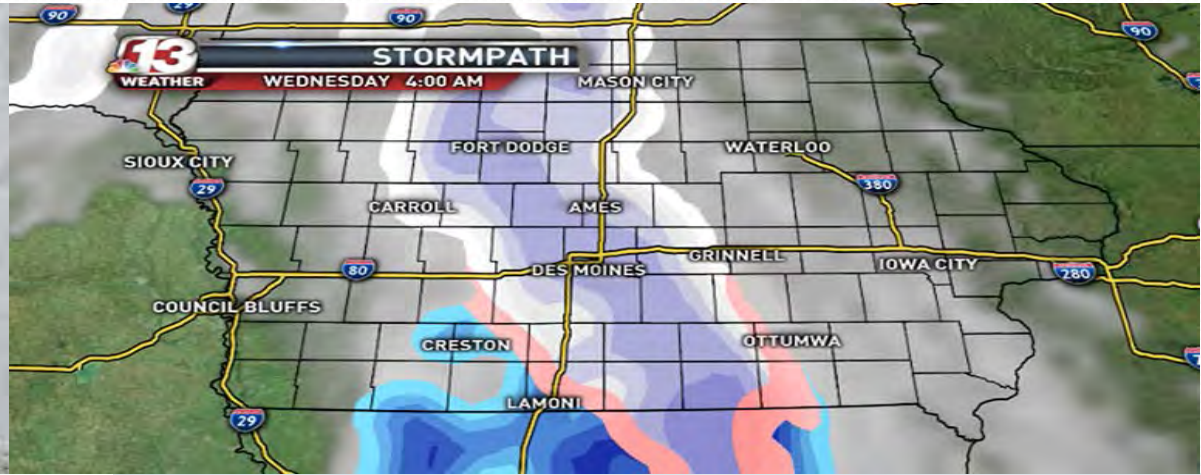
# Driving Routes



# Meetings



# Snow Event



# Post Storm Clean Up



# Washing Equipment





# Post Storm/Season Meeting

# Training

Materials  
Equipment



# Communication

Timing of Storm/Forecast

Fleet

Material/Rates

What's The Plan?



# Communication





# Tools To Help Operators Be More Efficient

Weather Forecast

It's A Tough Call

Paid Service VS Local Media

Type Of Precipitation

Winds

Pavement Temperatures



# Tools To Help Operators Be More Efficient

Work Shift

How Much Is To Much

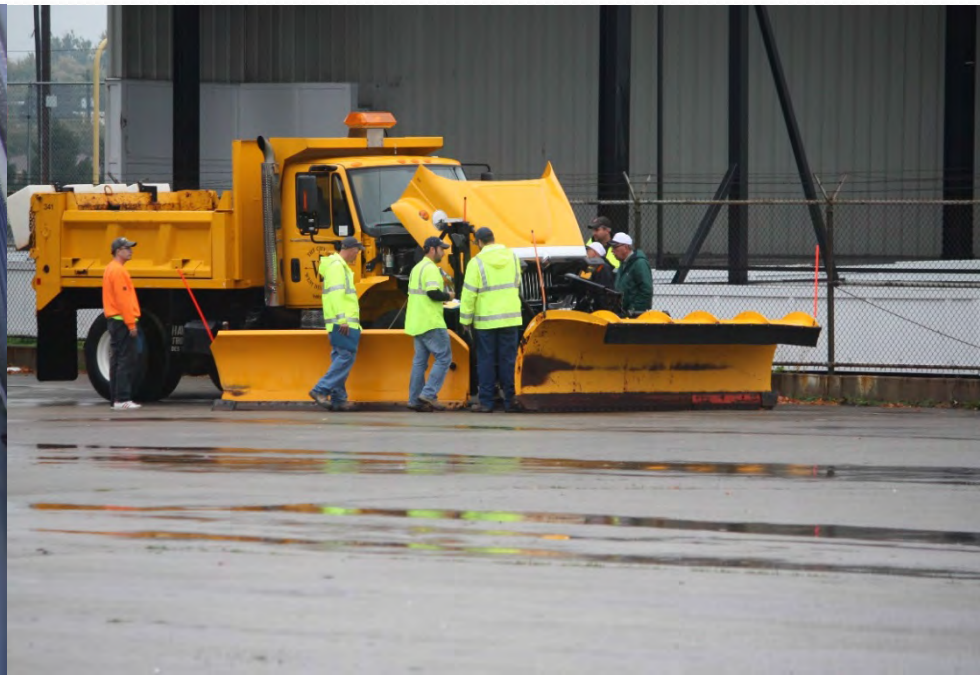


# Tools To Help Operators Be More Efficient

Operators Training Operators

Choosing Who Trains Who

Giving Time For Operators To Train



# SPOT Training

Operators Training Operators  
In House And Metro Wide  
Based On MNDOT'S Training  
Developed For Newer Plow Operators





# SPOT Training

## Three Key Areas

- Pre-Trip

- Skills Course

- Driving Assessment

## Speakers

- IDOT, Proper Pre-Trip And Load Securement

- Plow Technology

- Lessons Learned

# SPOT Training

Defect Truck

10 Items Worth \$50

DOT Simulator



# Loader, Excavator, Backhoe Training

Certificate Training

Pre-Trip

Operations

Safety

Hands On



# Loader, Excavator, Backhoe Training



# In House Roadeo

DOT Test

Driving Test

Top 8 Drivers (4 Teams) Go To State Roadeo



# Iowa State Rodeo

Truck/2 Man Teams

Loader

Grader

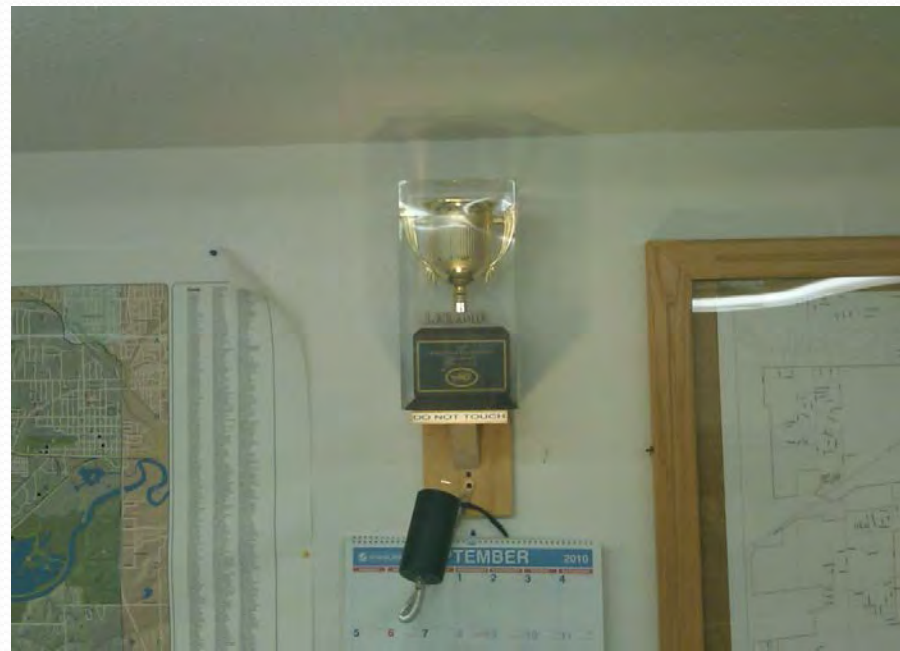
Competition Consists of:

Written Test

Equipment Defect Test

Driving

**\*\*Anyone from WDM who places 1<sup>st</sup> in any category has the opportunity to compete at the Western Snow and Ice Conference in Colorado.**



# Western Snow and Ice Conference



# Tools To Help Operators Be More Efficient

Training On New Equipment and Technology  
Always The Latest and Greatest (Good and Bad)  
Materials



# New Snow Removal Equipment?





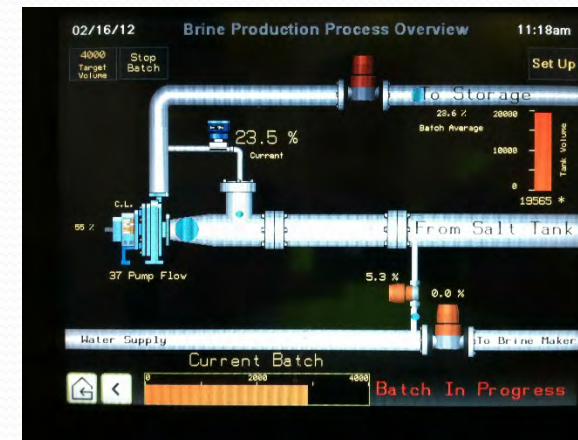
**ELGIN**

Public Works

104875

# Tools To Help Operators Be More Efficient

Buy In From Operators  
Purchasing New Equipment  
Snow Zones  
Snow Fence





# Thanks For Having Me

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City Of West Des Moines, Iowa