



WINTER MAINTENANCE TRAINING

OPPORTUNITIES AND RESOURCES

**THIS TRAINING SESSION IS INTERACTIVE
PLEASE DOWNLOAD THE TURNINGPOINT APP
ON YOUR MOBILE DEVICE IF YOU HAVE NOT
ALREADY.**

SESSION ID: kf1234

TURNINGPOINT POLLING SOFTWARE APPS

Install the TurningPoint Polling Software by using either the QR code to the right or by going to the Play Store or iOS App Store. The TurningPoint app looks like this:



Please see the instructions on the back after installation. You can delete the app following the presentation. Thank you

IOS APP



ANDROID APP



TURNINGPOINT POLLING SOFTWARE LOG IN

1. Open the TurningPoint Software App
2. Click **"Guest"**
3. Type in the session ID – *[ID Session provided by instructor]*
4. Click **"Join Session"**
5. Click **"Submit"** *[You do not need to enter a name unless you want to]*

Polling will begin when a polling slide is present during the presentation.

BEST COLLEGE FOOTBALL TEAM

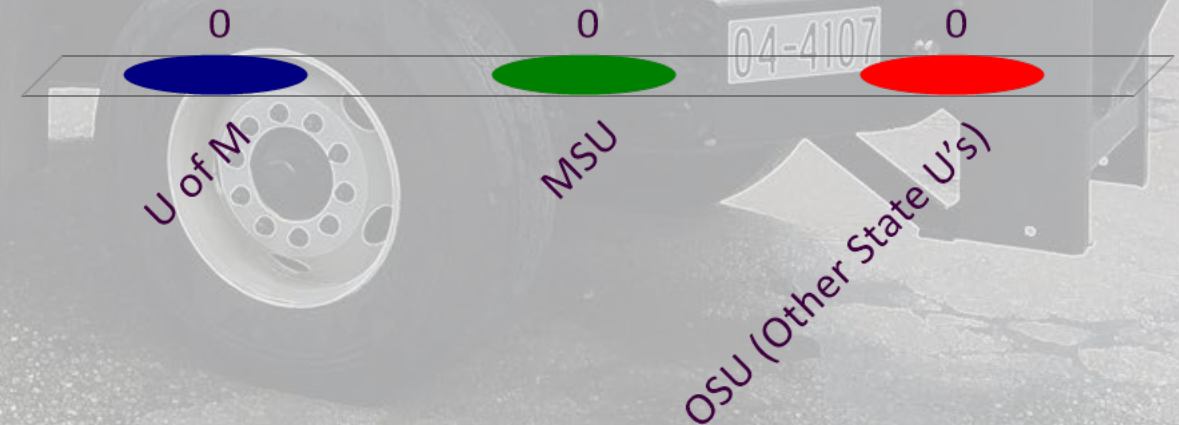
A. U of M



B. MSU



C. OSU (OTHER STATE U's)



TRAINING

- **WHEN**
- **WHY**
- **WHO**
- **BENEFITS**
- **RESOURCES**
- **MDOT'S APPROACH**





**HOW OFTEN SHOULD MAINTENANCE
EMPLOYEES RECEIVE TRAINING?**

YEALRY

A large orange dump truck with a crane mounted on its bed is parked on a paved surface. The truck has a chrome grille, multiple headlights, and a license plate that reads "04-4107". A "MDOT" logo is visible on the side of the cab. The background shows a parking lot with other vehicles and trees under a clear sky.

TRAINING – WHEN?

- **EMPLOYMENT**
- **POLICY/PROCEDURE**
- **EQUIPMENT**
- **OSHA/MIOSHA**
- **MUST BE REPETITIVE**



TRAINING – WHY?

- SAFETY
- RETENTION
- INCLUSION
- PROPER EQUIPMENT OPERATION



WHAT PERCENTAGE OF EMPLOYEES DO NOT FEEL THEY HAVE THE NEEDED SKILLS TO DO THEIR JOB?

A.35%



B.25%

C.10%

D.53%





TRAINING - WHO?

Everyone

WHAT % OF EMPLOYEES BASE THEIR DECISION TO REMAIN W/ A COMPANY BASED ON THEIR TRAINING OPPORTUNITIES?

Rank

Responses

1

2

3

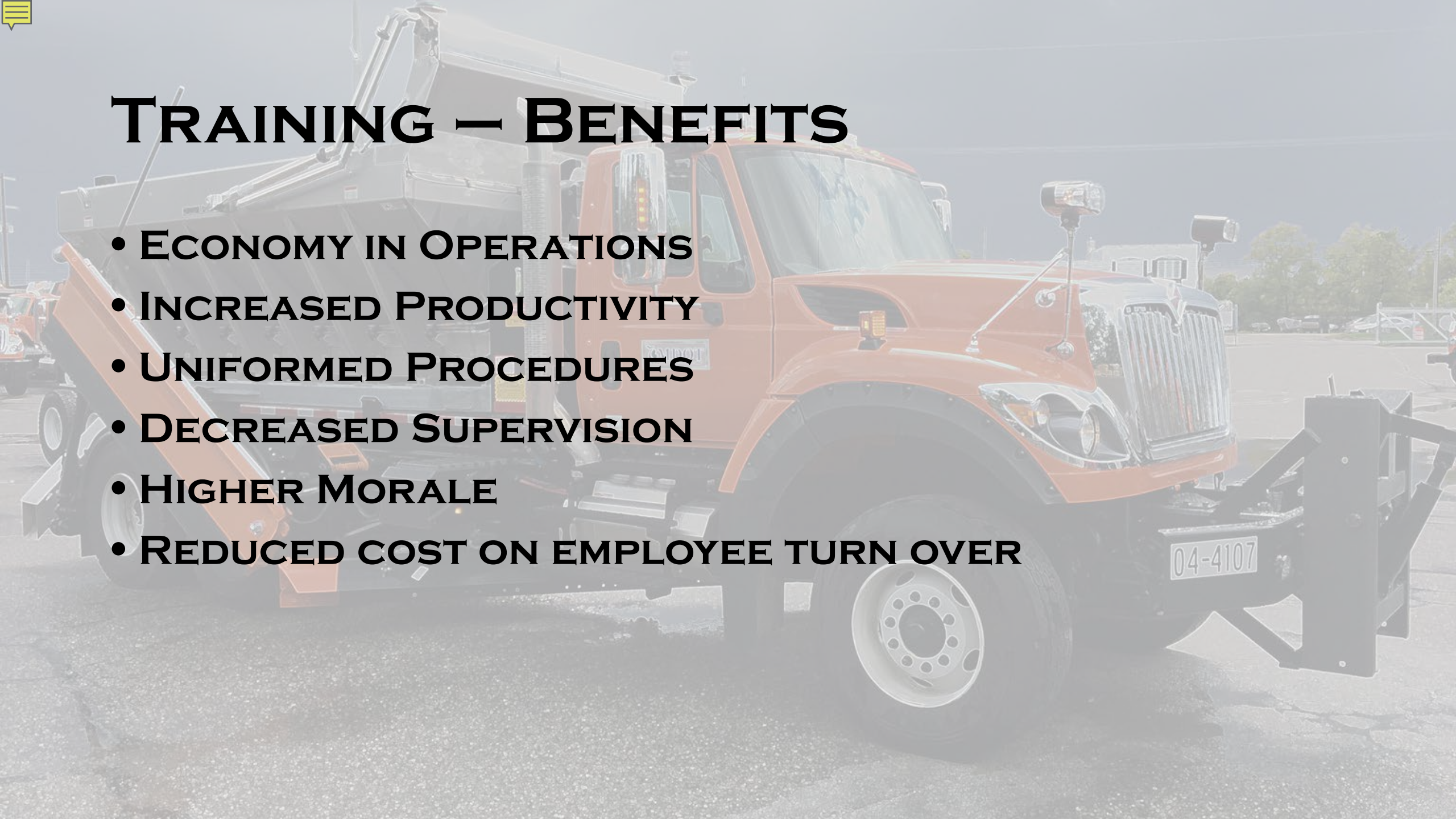
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5

6



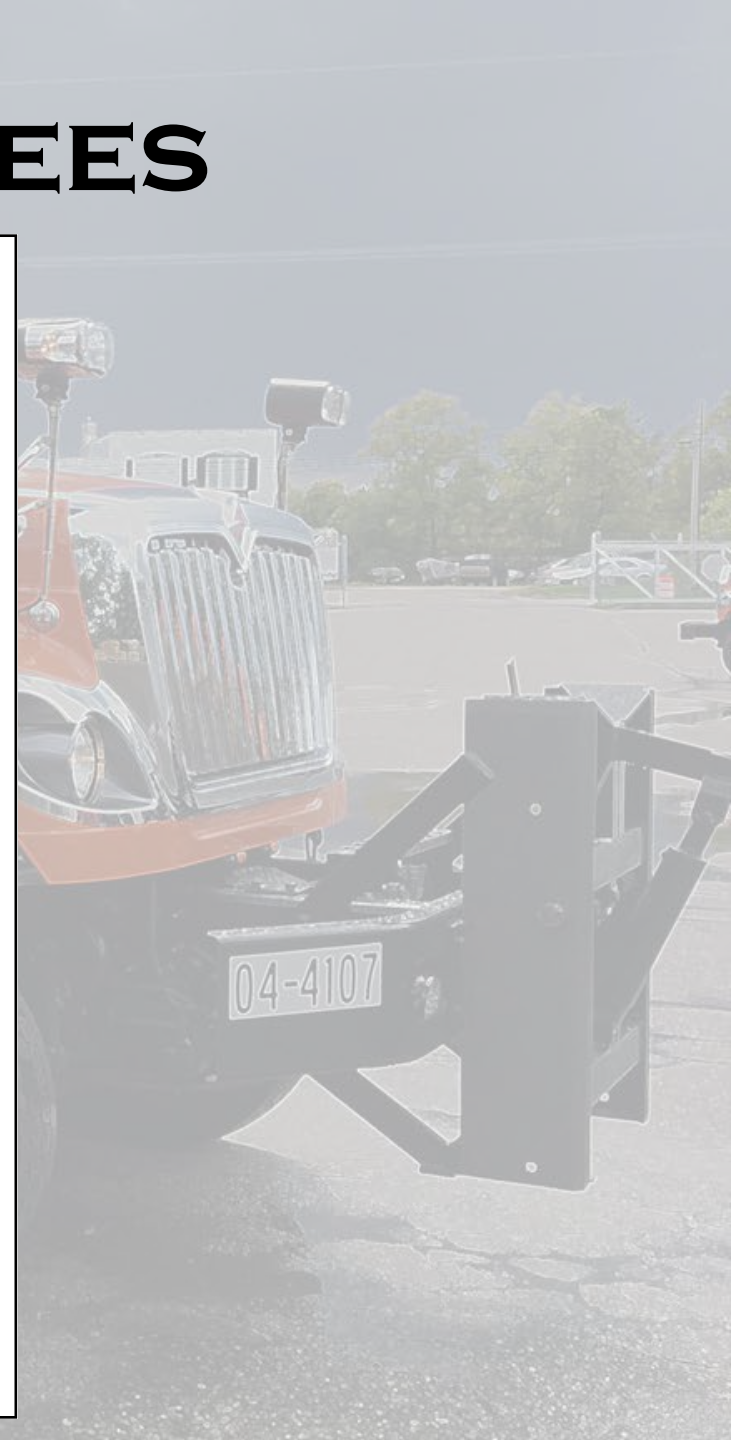
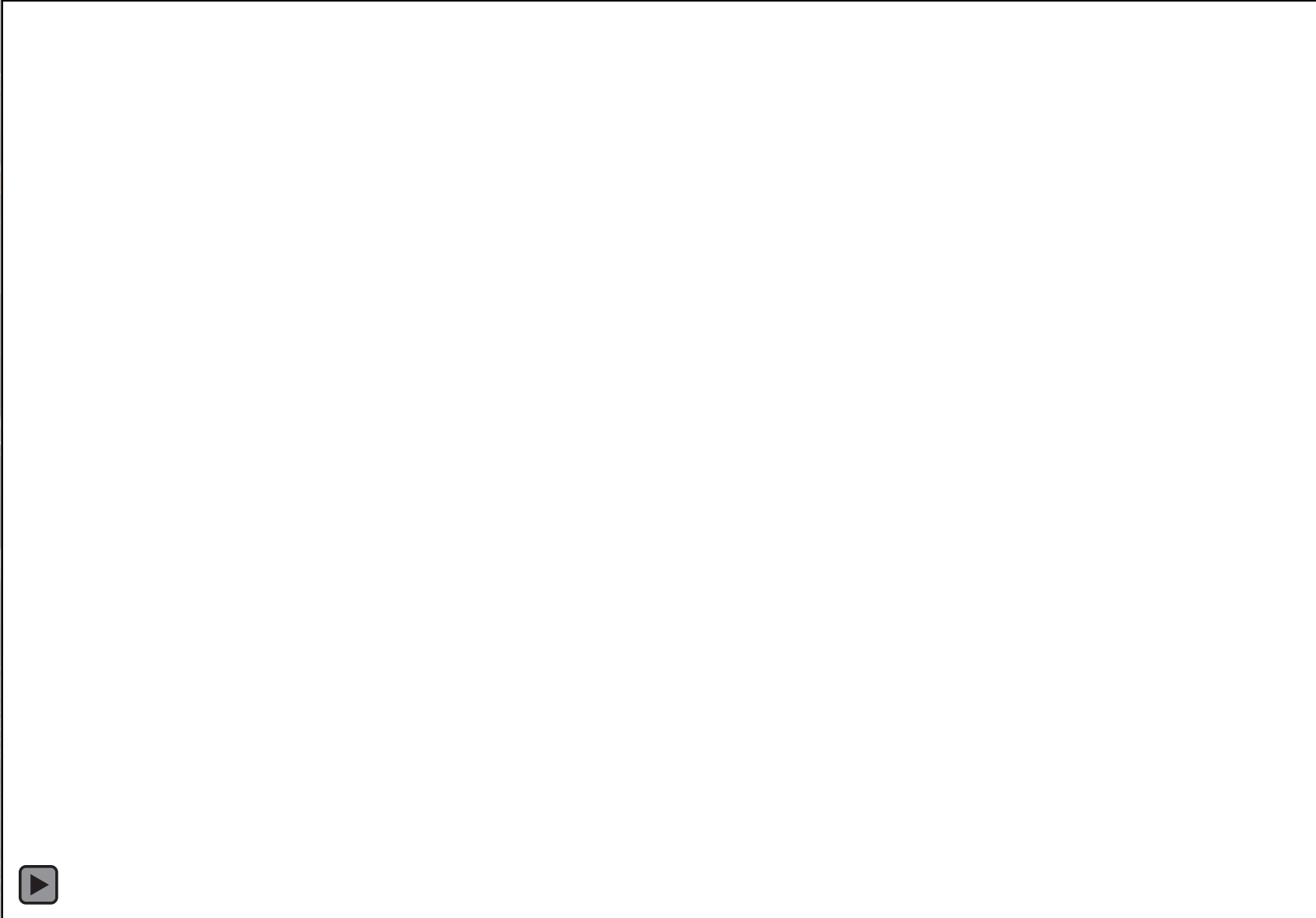
TRAINING – BENEFITS

- **ECONOMY IN OPERATIONS**
 - **INCREASED PRODUCTIVITY**
 - **UNIFORMED PROCEDURES**
 - **DECREASED SUPERVISION**
 - **HIGHER MORALE**
 - **REDUCED COST ON EMPLOYEE TURN OVER**
- 

IMPROPERLY TRAINED EMPLOYEE



PROPERLY TRAINED EMPLOYEES

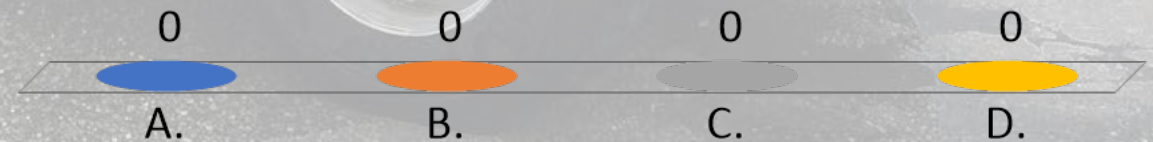




AVG. YEARLY COST TO COMPANIES FOR EVERY 1000 EMPLOYEES IMPROPERLY TRAINED:



- A. \$13.5 MILLION
- B. \$6.2 MILLION
- C. \$780,000
- D. \$1.8 MILLION



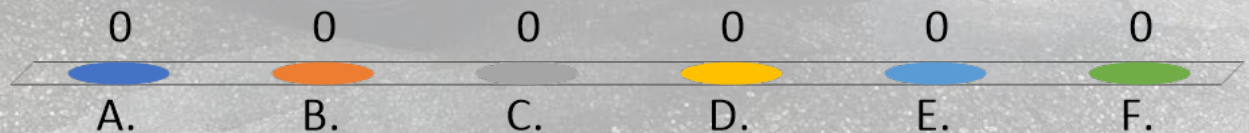
TRAINING - TYPES

- CLASSROOM
- E-LEARNING
- TEAM
- HANDS-ON



EMPLOYEES LEARN BETTER BY THIS TYPE OF TRAINING:

- A. E-LEARNING
- B. HANDS-ON
- C. CLASSROOM
- D. TEAM
- E. E-LEARNING/HANDS-ON
- F. CLASSROOM/HANDS-ON





TRAINING – MDOT’S APPROACH

- **WINTER OPERATIONS TRAINING**
- **1 WEEK**
- **4X PER YEAR (FALL)**
- **4 SEPARATE LOCATIONS**



MDOT WINTER OPERATION TRAINING CLASSROOM

- ❖ **DICKEY- JOHN CONTROL
POINT SYSTEMS**
- ❖ **1ST ECHELON MAINTENANCE**
- ❖ **SALTING
TECHNIQUES/ENVIRONMENT**
- ❖ **FATIGUE DRIVING**
- ❖ **WINTER MAINTENANCE
TRUCK OPERATIONS**
- ❖ **AIRBRAKES/HYDRAULICS**
- ❖ **PRE/POST TRIP
INSPECTIONS**
- ❖ **BLADES/HOPPERS**
- ❖ **AVL/MDSS**
- ❖ **HAZARDOUS
COMMUNICATION (RIGHT-TO-
KNOW)**

MDOT WINTER OPERATION TRAINING FIELD

❖ **DVIR/PRE-POST TRIP
INSPECTIONS**

❖ **DICKEY-JOHN CONTROL
SYSTEMS**

❖ **1ST ECHELON MAINTENANCE**

❖ **FRONT-LOADER PRE-POST
TRIP INSPECTION**

❖ **DRIVING CONED
MANEUVERS**

❖ **DRIVING OVER-THE-ROAD
DESIGNATED ROUTES**

❖ **AVL-MDSS**

❖ **FRONT-LOADER DRIVING**



MDOT WINTER OPERATION TRAINING

- **TESTING:**

- ❖ **PRE-POST TRIP TEST (HANDS-ON)**
- ❖ **BRAKE TEST (HANDS-ON)**
- ❖ **LOADER EXAM (CLASSROOM)**
- ❖ **FINAL EXAM (CLASSROOM)**
- ❖ **DRIVING EVALUATION (OVER-THE-ROAD)**
- ❖ **DRIVING EVALUATION (CONED MANEUVERS)**
- ❖ **FRONT-LOADER OPERATING EVALUATION**

- **EVALUATIONS**

- ❖ **DAILY EVALS ON STUDENTS BY TRUCK TRAINERS**
- ❖ **STUDENT EVALS ON TRUCK TRAINERS END OF WEEK**

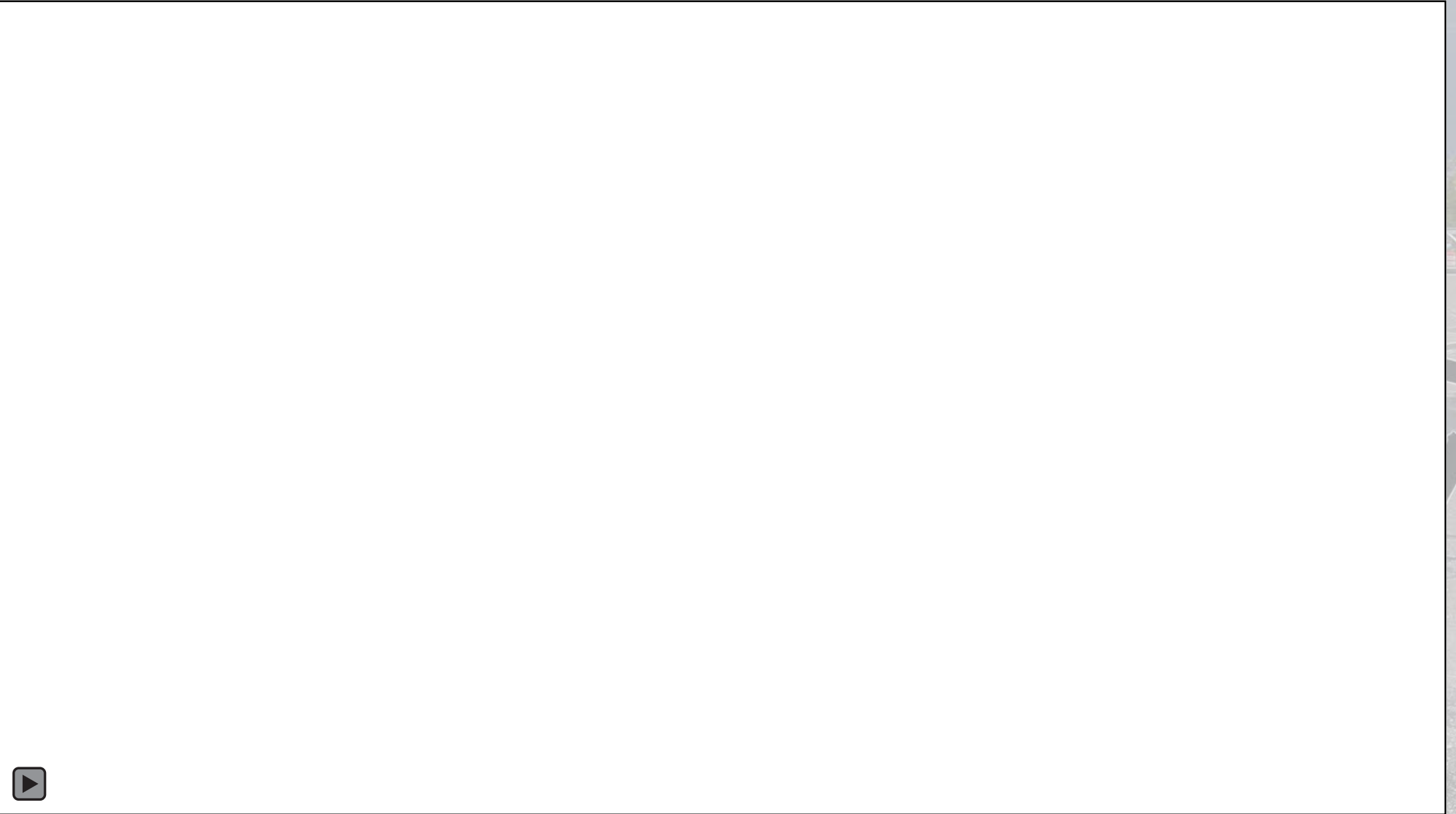
TRAIN TRAIN TRAIN AND MORE TRAINING

- Summer Schools
- Simulator Training
- TowPlow Training
- Chainsaw Training
- Traffic & Safety
- Equipment Training
- Foundation Training
- Guardrail Training





TRUCK ROADEOS



PER FMCSA THE #1 CAUSE OF LARGE TRUCK ACCIDENTS ARE THE RESULT OF:



A. BAD TIRES

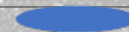
B. BAD BRAKES

C. IMPROPER TRAINING

D. FATIGUE

E. DRUGS/ALCOHOL

0%



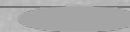
A.

0%



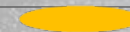
B.

0%



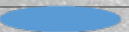
C.

0%



D.

0%



E.

TRAINING RESOURCES

- Clear Roads
- American Public Works Association (APWA)
- American Association of State Highway and Transportation Officials (AASHTO)
- Pacific Snow Fighters Association (PNSFA)
- YouTube
- MI Center for Truck Safety
- MDOT



**WHAT'S
WRONG
WITH THIS
PICTURE?**



TEAM SCORES

Points	Team	Points	Team
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Sources

Sources

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- <https://clearroads.org/>
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