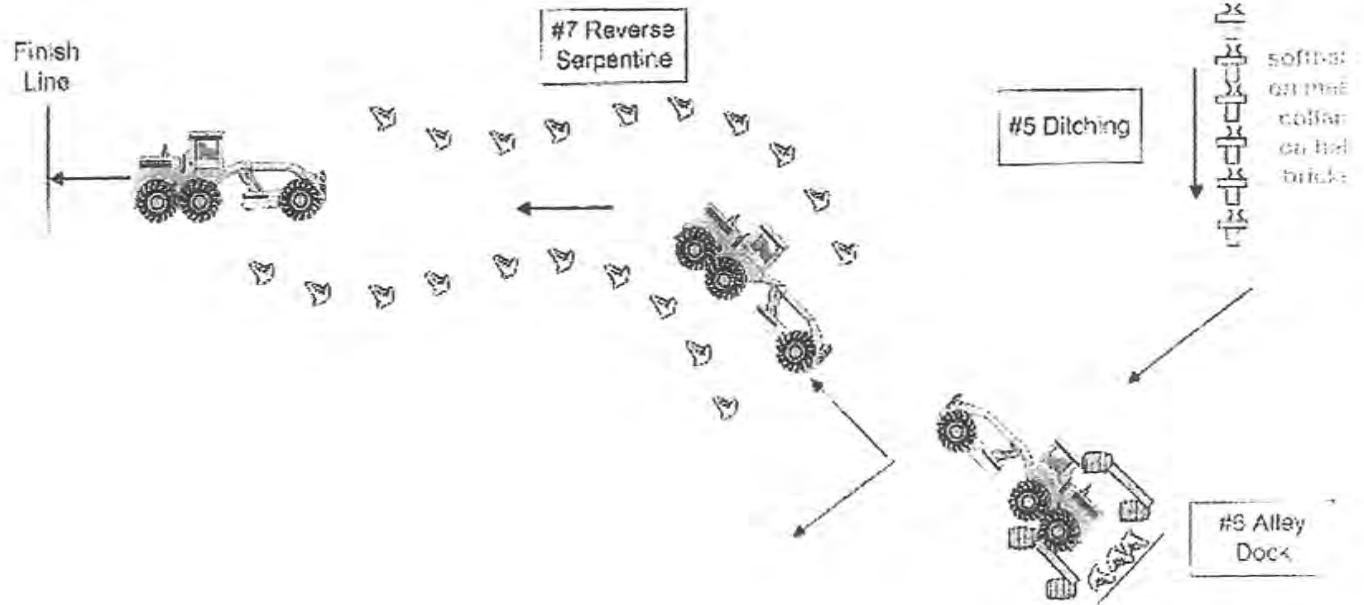


# 2011 Snow and Ice Motor Grader Course



# 2011 MOTOR GRADER ROADEO COURSE NARRATIVE

## General Rules:

- Stopping the Motor Grader except for repositioning in between an obstacle is not allowed.
- Tire interference with the moldboard will disqualify participant from the roadeo course.
- No positioning of Motor Grader at start line.
- Operators must be familiar with Motor Grader controls when entering unit.

## Obstacle #1 – Lean Machine

The objective of this obstacle is that the operator must engage the softball on top of the holder and knock the ball off the holder without tipping the holder.

<b>Total points possible</b>		<b>350</b>
Blade knocks the ball off the stand	150 points	
Ball lands in bucket	200 points	

## Obstacle #2 – Lateral Ditch Clean Out

The objective of this obstacle is to simulate cleaning out a lateral ditch from the road. The operator will be required to keep the left tandem outside the foul line. Using articulation, wheel lean, blade and circle functions to reach out and strike the cones tipping them over. Two cones are set at a maximum reach for a bonus score.

<b>Total points possible</b>		<b>250</b>
Blade strikes and tips over cone 1, 2 and 3	50 pts each	
Blade strikes and tips over cones 4 and 5	75 pts each	
Bonus if all five cones are knocked down	50 pts	
Crossing foul line with rear tandem	0 pts	

## Obstacle #3 – Cul-De-Sac

The operator uses all steering functions to strike the candlestick cones in a right hand turn.

<b>Total points possible</b>		<b>350</b>
Blade strikes and tips over cones 1,2 3, 4 and 5	60 pts each	
Bonus if all five cones are knocked over	50 points	

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## **Obstacle #4 – Offset Alley**

The objective of this obstacle is to simulate maneuvering a Motor Grader through multiple objects while removing snow.

The operator will be required to maneuver the Motor Grader through the three alleys and will be required to hit the softballs off the three target cones placed between each alley by utilizing the mold board, wheel lean and articulation functions of the grader. Points will be deducted for hitting any other portion of the alleys.

<b>Total points possible</b>		<b>350</b>
Each softball knocked off the T-stands	50 points	
Each barrel or barricade hit	-50 points	
Bonus if all six softballs are knocked off	50 points	

## **Obstacle #5 –Ditching**

The objective is to knock balls off the bases while leaving the bricks on either side of the ball and base still standing.

The operator lowers blade into ditching position to hit balls off of stand. Deductions will result if metal collars are touched.

<b>Total points possible</b>		<b>350</b>
Each softball hit and knocked off	50 points	
Each metal collar touched or moved	-50 points	
Bonus if all balls are knocked off cleanly	50 points	
If any brick is touched or moved	0 points	

# 2011 MOTOR GRADER ROADEO COURSE NARRATIVE

## **Obstacle #6 – Alley Dock**

The alley dock tests the operator's ability to back the grader into a confined space. The operator must back into the space without hitting the sides and must stop as close to the back of the barricade as possible without hitting it.

In addition to not hitting any of the barricades in the alley dock, it is the operator's responsibility to **sound the horn**. When the horn sounds, the judge will measure the distance from the rear hitch to the back of the barricade. If the operator forgets to sound the horn, the judge may not be able to accurately measure the distance in the alley dock. The resulting score will be based on the scorekeeper's judgement. After the judge completes his/her measurement, the operator must drive forward to continue through the course.

<b>Total points possible</b>		<b>250</b>
Within 6" of rear barricade	250 points	
Within 6-12" of rear barricade	75 points	
Within 12-18" of rear barricade	25 points	
Over 18" of rear barricade	0 points	
Hitting dock or side rails	0 points	

## **Obstacle #7 – Reverse Serpentine**

The objective of this obstacle is to test the operator's ability to maneuver the Motor Grader through an offset serpentine **in reverse**. The obstacle simulates objects in the roadway.

The operator will be required to maneuver the grader in reverse through the offset cones without touching any cone.

<b>Total points possible</b>		<b>450</b>
Each cone hit	-15 points	
Bonus if no cones are hit	50 points	

## 2011 MOTOR GRADER ROADEO COURSE NARRATIVE

### Motor Grader Course Time

Total elapsed course time will be recorded. Course completion time will be multiplied by the factor listed in the table below. For example, an operator completing the course in less than four minutes will receive 100% of the total points earned. An operator finishing the course time in 6 minutes and 25 seconds will receive 90% of their total points earned. Operators finishing the course in 9 minutes or greater will be disqualified.

<b>Elapsed Time</b>	<b>% of Total Score</b>
under 4:00	100%
4:00 - 4:30	98%
4:30 - 5:00	96%
5:00 - 5:30	94%
5:30 - 6:00	92%
6:00 - 6:30	90%
6:30 - 7:00	80%
7:00 - 7:30	75%
7:30 - 8:00	70%
8:00 - 8:30	65%
8:30 - 9:00	60%
> 9:00	Disqualified