

MOTOR GRADER ROADEO COURSE NARRATIVE

General Rules:

- 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 – Side Shift Slalom

The objective of this obstacle is that the operator must balance the softball on a carrier and pass through a series of brick slalom gates. The softball must clear the outside edge of each brick.

Total points possible		350
Each brick touched or moved	- 30 points	
Bonus if all ten bricks are not touched	50 points	
Softball falling out of carrier	0 points	

Obstacle #2 – Tip Test

The objective of this obstacle is that the operator must tip the blade up to hit the cowbell. There are three distance cones that prevent the grader to position too close to cowbell with stand. No points will be awarded if the operator touches a distance cone or misses the cowbell.

Total points possible		250
Hitting a distance cone	-250 points	
Hitting the cowbell	+250 points	

No bonus

Obstacle #3 – Cul-De-Sac

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

Total points possible		350
Blade strikes the candlestick cone	60 points	
Bonus if all five candlestick cones are hit	50 points	

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Obstacle #4 – 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.

Total points possible		350
Each softball hit and knocked off	50 points	
Each metal collar touched or moved	-50 points	
Each brick touched or moved	0 points	
Bonus if all six softballs are knocked off cleanly	50 points	

Obstacle #5 –Serpentine

The objective of this obstacle is to test the operator’s ability to maneuver the Motor Grader through an offset serpentine while moving forward. The obstacle simulates objects in the roadway.

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

Total points possible		450
Each cone not hit	20 points	
Bonus if no cones are hit	50 points	

Obstacle # – Mail box Avoidance

The objective of this obstacle is to test the operator’s ability to control the blade while navigating an obstacle.

The operator will be required to strike only the red grade block without hitting any block below the red target block. Blocks knocked off below the red block will not receive a score. Striking the mailbox will result in no points earned for this obstacle.

Total points possible		350
Each red block knocked off (5 total)	60 points	
Strike mailbox	0 points	
Bonus if all five blocks are knocked over	50 points	

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Obstacle #7 – Ball in Chute

The objective is to pick up the bowling ball with the tow of the moldboard, carry it a short distance, and place it into a chute with the heel on the opposite side of the motor grader.

Total points possible	350
Accomplishing this obstacle	350 points

Obstacle #8 – 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. This will also signal the time keeper that the operator has completed the course.. If the operator forgets to sound the horn, the judge will not be able to accurately measure the distance in the alley dock and the course time will continue.

Total points possible	250
Within 6" or rear barricade	250 points
Within 7"-12" of rear barricade	75 points
Within 13"-18" of rear barricade	25 points
Over 18" of rear barricade	0 points
Hitting dock or side rails	0 points

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.

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Elapsed Time	% of Total Score
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