

MN BUS ROADEO COMPETITION; EXERCISES AND SCORING

First Passenger Stop

Maximum Score Potential: 50 Points

This obstacle simulates another passenger stop. The contestant stops the bus with the front tires within 6" of the simulated curb. Rear tires must be within 15" of the simulated curb. (*Large Bus Contestants may announce: "Bus Stop" as if they are prepared for passengers to leave or enter the vehicle.*)

Penalties:

25 points off for touching cones at either end of Passenger Stop.
25 points off for touching curb with tires.
1 point off for every inch front tire is more than 6" from curb.
1 point off for every inch rear tire is more than 15" from curb.
10 points off for each transmission shift into reverse.
50 points off for not completing obstacle as designed.

Serpentine

Maximum Score Potential: 50 Points

This obstacle checks the contestant's ability to negotiate tight turns. The contestant weaves in and out through 3 cones.

Penalties:

10 points off for each cone touched
10 points off for each transmission shift into reverse
50 points off for not completing obstacle as designed.

Left Hand Turn

Maximum Score Potential: 50 Points

This obstacle checks the contestant's ability to make a tight left turn in a close situation. The contestant is required to swing the bus into a 90° turn without touching the obstacle course cones.

Penalties:

10 points off for each cone touched.
10 points off for each transmission shift into reverse.
25 points off for each entrance cone touched.
50 points off for not completing obstacle as designed.

Right Hand Reverse

Maximum Score Potential: 50 Points

This obstacle checks the contestant's ability to turn a bus around at a route terminal, which required the vehicle to back up to the right.

Penalties:

10 points off for each course cone touched.
5 points off for each lane cone touched.
5 points off for each 12" segment beyond 36" limit from rear cone.
10 points off for each transmission shift into reverse after initial shift into reverse.
25 points off for touching rear cone.
50 points off for not completing obstacle as designed.

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Rear Duals Clearance

Maximum Score Potential: 50 Points

This obstacle checks the contestant's ability to judge the position of his or her bus. The contestant drives through a narrowing V-shaped channel with the right dual tires.

Penalties:

- 20 points off for each *A* ball touched.
- 16 points off for each *B* ball touched.
- 8 points off for each *C* ball touched.
- 4 points off for each *D* ball touched.
- 2 points off for each *E* ball touched.
- 10 points off for each transmission shift into reverse.
- 50 points off for not completing obstacle as designed.

Right Turn

Maximum Score Potential: 50 Points

This obstacle requires contestants to make a tight 90° turn. The corner is marked with cones and the rear tire of the bus should pass within 6 inches of the corner.

Penalties:

- 5 points off for each 6" segment over and above first 6" of rear tire clearance
- 10 points off for each cone touched.
- 10 points off for each transmission shift into reverse.
- 25 points off for touching pivot cone.
- 50 points off for not completing obstacle as designed.

Offset Street

Maximum Score Potential:

50 Points

This obstacle requires the contestant to drive through 2 separate narrow lanes, offset one full lane's width from each other.

Penalties:

- 5 points off for each cone touched beyond the pivot cones.
- 10 points off for touching the pivot cones.
- 10 points off for each transmission shift into reverse.
- 50 points off for not completing obstacle as designed.

Diminishing Clearance

Maximum Score Potential: 50 Points

This obstacle checks the contestant's ability to judge the position and speed of his or her bus. The contestant drives through a narrowing V-shaped channel outlined with barrels while maintaining a minimum speed of 20 miles per hour.

Penalties:

- 20 points off for each *A* barrel touched.
- 16 points off for each *B* barrel touched.
- 8 points off for each *C* barrel touched.
- 4 points off for each *D* barrel touched.
- 2 points off for each *E* barrel touched.
- 25 points off for insufficient speed.
- 50 points off for not completing obstacle as designed.

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Judgment Stop

Maximum Score Potential: 50 Points

This obstacle checks the contestant's ability to judge closing distances between the bus and a small object directly ahead. The contestant must stop the bus with the front bumper within 6" of a small cone placed on the final stop.

Penalties:

- 1 point off per 1" beyond initial 6".
- 25 points off for making more than one full stop.
- 50 points off for touching cone.
- 50 points off for not completing obstacle as designed.

Second Passenger Stop

Maximum Score Potential: 50 Points

This obstacle simulates another passenger stop. The contestant stops the bus with the front tires within 6" of the simulated curb. Rear tires must be within 15" of the simulated curb. (*Large Bus Contestants may announce: "Bus Stop" as if they are prepared for passengers to leave or enter the vehicle.*)

Penalties:

- 1 point off for every inch front tire is more than 6" from curb.
- 1 point off for every inch rear tire is more than 15" from curb.
- 10 points off for each transmission shift into reverse.
- 25 points off for touching cones at either end of Passenger Stop.
- 25 points off for touching curb with tires.
- 50 points off for not completing obstacle as designed.

Safety Habits (on board Judging)

Maximum Score Potential: 50 Points

Contestants will be scored on safety habits while operating the vehicle.

Penalties:

- 1 point off for each instance of failing to use proper turn signals
- 3 points off for each instance of failing to sound horn before backing up
- 3 points off for each instance of failing to use flashers while backing up
- 1 point off for each occurrence of sudden stops
- 1 point off for each occurrence of sudden starts
- 1 point off for each occurrence of abrupt turns
- 2 points off if operator exhibits poor posture. Max of 2 points loss.
- 2 points off if operator exhibits poor use of mirrors. Max of 2 points loss.
- 2 points off if operator exhibits poor use of hands. Max of 2 points loss.
- 2 points off if operator exhibits poor use of feet. Max of 2 points loss.

Course Time Limit

Contestants have **7 minutes** to complete the entire course. **One penalty point is assessed for each second, over the 7 minute limit, that it takes for the contestant to complete the course.**

Time stops are allowed for mechanical troubles, at each obstacle where a measurement is taken and at the completion of the judgment stop.

Penalty Assessment

Penalties assessed during the competition cannot exceed the amount of Maximum Score Potential Points for each given obstacle.

(*Example: No more than 50 penalty points can be given for a 50 point obstacle.*)

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Personal Appearance

Maximum Score Potential: 50 Points

Contestants can gain points by being well-groomed and appropriately dressed. All contestants must wear their transit organization's uniform or, if their organization does not issue a uniform, what they would wear during a normal work day. Points are assessed on a pass/fail basis.

Pre – Trip Inspection

Maximum Score Potential: 50 Points

A. Defects

1. Four (4) equipment-related defects and one (1) security hazard are planted on or in a bus. These defects would make a bus operationally unready or unsafe.
2. Defects are of a type that an operator would find when performing a pre-trip inspection.
3. Identification of defects does not require starting the bus or crawling under the bus.
4. Operators will not be allowed to have a checklist of defects to refer to during the competition.
5. Eligible defects might include broken, loose, bad, missing, or incorrect:
 - seats
 - any type of lights
 - number
 - windows
 - doors
 - stanchions
 - license plate
 - flooring
 - bell cord
 - fire extinguisher
 - windshield
 - wipers
 - mirrors
 - and a security hazard such as an abandoned package or briefcase
6. Ineligible defects include:
 - defects under the bus
 - radios
 - exterior body damage
 - fare boxes
 - paint problems
 - destination signs
 - wheelchair operations
 - battery compartment
 - kneeling functions
7. Equipment where multiple defects are possible will be counted only once, i.e., seats, windows, lights.
8. Front and rear windows, headlights, tail lights, brake lights, mirrors, and turn signals will each count as separate defects.

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B. Time

1. Each operator will be allotted seven (7) minutes to inspect, locate, identify, and legibly record any defects found.
2. Time warnings will not be given for this obstacle except when time has elapsed.
3. Recording defects and securing doors will not be allowed after time has elapsed.

C. Scoring

1. Ten (10) points will be awarded for each of four (4) planted defects found, and ten (10) points will be awarded for one (1) planted security challenge for a maximum of fifty (50) points.
2. Points will be awarded only for those recorded defects that were planted by the judges. No points will be awarded for identification of defects which were not planted.
3. The operator will notify the judge when finished. Once notice is given, the operator may not list additional defects.
4. The judge will review the list of defects with each operator for clarification.
5. A penalty of one (1) point will be assessed for each instance where the bus is not returned to its original condition; for example, one (1) point assessed for lights left on, wipers left running, master switch on, windows open, and escape hatches open, etc.
6. **Starting the bus constitutes a safety violation and will result in the operator being disqualified from this event. The inspection bus will be supplied with necessary electrical power and air pressure.**