2019 TPTA ANNUAL CONFERENCE & ROADEO

ROADEO HANDBOOK

Wednesday, October 30, 2019
Camp Jordan
East Ridge, Tennessee
THE TENNESSEE PUBLIC TRANSPORTATION ASSOCIATION
2019 CONFERENCE AND BUS, VAN & MAINTENANCE ROADEO

Hosted by: Tennessee Public Transportation Association (TPTA)

Host property: Camp Jordan-323 Camp Jordan Pkwy, East Ridge, TN 37412

Date: Wednesday, October 30, 2019

The 2019 TPTA Bus, Van and Maintenance Roadeo event will be held on October 30th at Camp Jordan in East Ridge TN. CARTA will provide continuous shuttles during the Roadeo from the host hotel, the Marriott-located next to the convention center.

As you know, the Bus, Van and Maintenance Roadeo is a great opportunity to provide some well-deserved operator and maintenance personnel recognition while promoting safety and professionalism. Transit systems throughout Tennessee send the best bus, van operators and maintenance professionals to compete in this event. The competing maintenance personnel compete in a variety of categories testing their industry knowledge. The Maintenance Roadeo handbook is available on the conference website, the link is located on the TPTA website (tntransit.org). The competing bus and van operators drive a through a test course marked with traffic cones that simulate various situations encountered on the road. Competing bus and van operators and maintenance personnel are expected to meet Roadeo qualifications by maintaining good attendance, a safe driving record.

The Roadeo will consist of seven (7) separate competitions:

- 40-foot Bus Competition
- 35-foot Bus Competition
- 30-foot Bus Competition
- Conversion Van Competition
- Cutaway Van Competition
- Bus Maintenance Competition
- Van Maintenance Competition

Each TPTA transit system member is entitled to send two (2) operators/maintenance personnel per competition. In each of the bus/van competitions, a minimum of five (5) operators are required for the competition to occur. All participants must be qualified and possess a valid driver's license or Commercial Driver's License (CDL) for the vehicle in which they are competing. 2018 TPTA State Roadeo winners can be found in Appendix 1; Frequently asked questions and answers can be found in Appendix 2.

The Tennessee Public Transportation Association (TPTA) and Chattanooga Area Regional Transportation Authority would like to extend an invitation to encourage your transit system to participate in the 2019 TPTA State Bus, Van & Maintenance Roadeo. If you have any questions, please contact Lisa Maragnano at (423)260-5629 or by email at lisamaragnano@gocarta.org.
Welcome to Chattanooga!
OPERATOR COURSE EVENTS:

The eleven (11) driving problems or tests are worth 50 points each. Event descriptions are included in Appendix 3. **Reckless use of equipment and flagrant disregard for the safety of others may result in immediate disqualification.**

1. **Offset Street**
   This test requires the contestant to drive through two separate narrow lanes that are offset one full lane's width from each other:
   
   A. Points will be deducted for:
      • touching cones,  
      • shifting into reverse, or  
      • Not completing course as designed

2. **Serpentine**
   This problem tests the contestant's ability to negotiate tight turns. The driver enters the course through a "gate," weaves in and out through three cones and exits the course through a "gate."
   
   A. Points will be deducted for:
      • touching cones,  
      • shifting into reverse, or  
      • Not completing course as designed

3. **Right Turn**
   This problem tests the contestant's ability to negotiate a tight 90° turn. The corner is marked with cones and the right rear tire of the bus is to pass within 6 inches of the corner cone:
   
   A. Points will be deducted for:
      • touching cones,  
      • shifting into reverse,  
      • Excessive right rear tire clearance, or  
      • Not completing course as designed

4. **Right Hand Reverse**
   This problem tests the contestant's ability to turn a vehicle around at a route terminal which requires the vehicle to back up to the right:
   
   A. Points will be deducted for:
      • touching cones,  
      • shifting into reverse after the initial reverse,  
      • Rear clearance beyond 36 inches, or  
      • Not completing the course as designed

5. **Left-Hand Reverse**
   This problem tests the contestant's ability to turn a vehicle around at a route terminal which requires the vehicle to back up to the left:
   
   A. Points will be deducted for:
      • touching cones,  
      • shifting into reverse after the initial reverse,  
      • Rear clearance beyond 36 inches, or  
      • Not completing the course as designed
6. 6 & 8 Customer Stop x Two

This event simulates a customer stop. The contestant stops the vehicle with the front tires within 6 inches of the simulated curb. Rear tires must be within 15 inches of the simulated curb. After stopping the vehicle, the operator opens the door to complete the test. An ADA stop announcement must be made prior to exiting the passenger stop:

A. Points will be deducted for:
   • touching cones and or “curb”,
   • Front tire measurement over 6 inches,
   • Rear tire measurement over 15 inches,
   • shifting into reverse, or
   • Not completing the course as designed

7. Left Hand Turn

This problem tests the contestant's ability to make a tight left turn in a close situation. The contestant is required to swing the vehicle into a good turn without touching any of the cones:

A. Points will be deducted for:
   • touching cones,
   • shifting into reverse after the initial reverse,
   • Not completing the course as designed

9. Rear Duals Clearance

This is a judgment problem where the contestant must drive through a lane with the right dual tires. The lane is only slightly wider than the total outside width of a pair of rear duals and is with large flat washers and tennis balls. The lane diminishes in width from the entrance to the exit:

A. Points will be deducted for:
   • touching balls,
   • shifting into reverse,
   • Not completing the course as designed

10. Diminishing Clearance

This problem tests the contestant's ability to judge the position and speed of his/her vehicle. The contestant is required to drive through a narrowing V-shaped channel outlined with barrels while maintaining a minimum speed of 15 miles per hour:

A. Points will be deducted for:
   • touching barrels,
   • speed below 15 MPH
   • Not completing the course as designed

11. Judgment Stop

This event tests the contestant's ability to judge closing distances between the bus and a small object directly ahead. A small cone is placed on the final stop. The contestant must stop with the front bumper or bike rack within 6 inches of the cone:

A. Points will be deducted for:
   • touching cone,
   • Excessive total stops,
   • Excessive clearance beyond 6-inch limit, or
   • Not completing the course as designed
OTHER SCORED EVENTS:

1. Safety Habits
   a. Contestant's safety habits will be reviewed while operating the vehicle.
   b. This event category is worth 25 points.
   c. Points will be deducted for:
      • Failure to use proper turn signals,
      • Failure to sound horn before backing up,
      • Failure to use flashers while backing up,
      • Moving vehicle with door open,
      • Poor posture,
      • Poor use of mirrors,
      • Poor use of hands, or
      • Poor use of feet.

2. Smoothness of Operation
   a. Contestant's ability to deliver a smooth ride will be evaluated during the driving events.
   b. This event category is worth 25 points.
   c. Points will be deducted for:
      • Failure to make A.D.A. announcements,
      • Sudden stops,
      • Sudden starts, or
      • Abrupt turns.

3. Personal Appearance
   a. The contestant's personal appearance will be evaluated for neatness, cleanliness and professionalism. The contestant must report wearing the uniform appropriate for his/her transit system.
   b. This event category is worth 50 points.
   c. Points will be deducted for:
      • Wrinkled, dirty, incomplete uniform,
      • Unpolished or dirty shoes, or,
      • Unkempt personal appearance.

4. Total Course Time
   a. Contestants are timed for each driving course event. Timing begins when the contestant begins the course and ends with the completion of the last event.
   
   b. Time is stopped for mechanical trouble, any type of course blockage that would impede contestant progress and where measurements are required for event scoring.
   
   c. Point are deducted for each second over seven (7) minutes required to complete the course.
   
   d. A maximum of 10 minutes will be allowed to complete the course.

Competitors will be required to vacate the course after 10 minutes.
PRE-TRIP INSPECTION:

All competitors operating the 30, 35, or 40-foot bus in the Roadeo will conduct the pre-trip inspection on a bus. All van operators will conduct the pre-trip inspection on a cutaway van. All competitors will be provided with a pre-trip card, pencil and a clip board to conduct the pre-trip inspection. The pre-trip card provides a guide on one side and areas to list all defects on the other side.

a. Defects:
   1. Six (6) equipment-related defects and (1) security hazards are planted on or in a bus/van. 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
      - windows
      - flooring
      - windshield
      - mirrors
      - doors
      - bell cord
      - all type of lights
      - stanchions
      - fire extinguisher
      - wipers
      - number
      - license plate
      - horn
      And a security hazard such as an abandoned package or briefcase etc.
   6. Ineligible defects include:
      - defects under the bus
      - exterior body damage
      - paint problems
      - radios
      - fare boxes
      - destination signs
      - battery compartment
      - wheelchair operations
      - kneeling functions
    Equipment where multiple defects are possible will be counted only once, i.e., seats, windows, lights.
   7. Front and rear windows, headlights, tail lights, brake lights, mirrors, and turn signals will each count as separate defects.

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 be given to the individual at the two (2) minute, one (1) minute, and 30 second time marks.
   3. Recording defects and securing doors will not be allowed after time has elapsed.

c. Scoring:
   1. Five (5) points will be awarded for each of six (6) planted defects found, and twenty (20) 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 or van constitutes a safety violation and will result in the operator being disqualified from this event.** The inspection bus/van will be supplied with necessary electrical power and air pressure.
OPERATOR SCORING:
(Operator Score Sheets can be found in Appendix 4)

Driving Competition:

1. The conversion van and cutaway van, 30’, 35’ and 40’ bus competitions are five (5) separate competitions.
2. There will be a first, second and third place award in each competition.
3. There are 700 maximum points for each competition.
4. 50 points will be deducted for obstacles attempted in the wrong order.
5. Ten (10) points will be deducted for any course marker not associated with an event (obstacle) touched.
6. The full value of the event (obstacle) will be deducted for any event not attempted or completed as designed.
7. In case of tie, the tie breakers will be as follows
   a. Lowest time on the course
   b. Score on the Judgment Stop.
8. Judgment of events (obstacles) will be the responsibility of the Event Judges. All decisions made by Event Judges are final.
9. Procedural questions must be directed to appropriate On-field Roadeo Officials.
10. Contestants are only allowed on the course when competing.
11. Contestants are not permitted to talk to Event Judges at any time during the competition.
12. Enforcement of all Roadeo "Rules and Regulations," supervision of Event Judges, and on-the-spot procedural decisions will be the responsibility of the Roadeo Officials.
DEFECTS
Six equipment-related defects and (1) security hazard planted on or in the bus. These defects would make a bus operationally unready or unsafe. Defects are of a type that an operator would find when performing a pre-trip inspection. Identification of defects does not require starting the bus or crawling under the bus. Operators will not be allowed to have a checklist of defects to refer to during the competition.

ELIGIBLE DEFECTS may include: (6 defects - 5 points each)
- Seats, windows, flooring, windshield, mirrors, doors, bell cord, all type of lights, stanchions, fire extinguisher, wipers, bus number, and license plates
- SECURITY HAZARD (1 security hazard - 20 points)
  A security hazard such as an abandoned package or briefcase will be planted on or in the bus.

MULTIPLE DEFECTS
Equipment where multiple defects are possible will be counted only once. Seats, Windows, and Lights. Front and Rear Windows, Headlights, Tail-Lights, Brake Lights, Mirrors and Turn Signals will each count as separate defects.

INELIGIBLE DEFECTS
Defects under the bus, Exterior Body Damage, Paint Problems, Wheelchair Operations, Kneeling functions, Radio, Fare box, Destination Signs, Battery Compartment, etc.

SAFETY VIOLATION
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.

LEAVE IT AS YOU FOUND IT
Points will be assessed for Lights left on, Wipers left running, Master Switch on, Windows Open, and Escape Hatches open, etc.

TIME
Each operator will be allotted seven (7) minutes to Inspect, Locate, Identify, and Legibly Record any defects found. 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. Recording defects and securing doors will not be allowed after time has elapsed.

SCORING
The Operator will notify the judge when finished. Once notice is given, the Operator may not list additional defects. The judge will review the list of Defects with each Operator for clarification. 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) PLANTED DEFECTS WORTH 5 POINTS EACH
(1) PLANTED SECURITY HAZARD WORTH 20 POINTS
TOTAL NUMBER OF POINTS FOR THIS EVENT IS 50. LEAVE IT THE WAY YOU FOUND IT!

DRIVER’S AREA

INTERIOR

FRONT OF VAN

LEFT SIDE OF VAN

RIGHT SIDE OF VAN

REAR OF VAN
Tennessee Public Transportation Association Bus Roadeo Pre-Trip Guide

DEFECTS
Six equipment-related defects and (1) security hazard planted on or in the bus. These defects would make a bus operationally unready or unsafe. Defects are of a type that an operator would find when performing a pre-trip inspection. Identification of defects does not require starting the bus or crawling under the bus. Operators will not be allowed to have a checklist of defects to refer to during the competition.

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Defects under the bus, Exterior Body Damage, Paint Problems, Wheelchair Operations, Kneeling functions, Radio, Fare box, Destination Signs, Battery Compartment, etc.

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SCORING
The Operator will notify the judge when finished. Once notice is given, the Operator may not list additional defects. The judge will review the list of Defects with each Operator for clarification. 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) PLANTED DEFECTS WORTH 5 POINTS EACH
(1) PLANTED SECURITY HAZARD WORTH 20 POINTS

TOTAL NUMBER OF POINTS FOR THIS EVENT IS 50. LEAVE IT THE WAY YOU FOUND IT!

DRIVER’S AREA

INTERIOR

FRONT OF BUS

LEFT SIDE OF BUS

RIGHT SIDE OF BUS

REAR OF VAN
2019 TPTA ROADEO
Description of Buses & Vans
2018 40ft Low Floor Gillig Hybrid Electric/Diesel Model G30D102N4

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>GVWR</td>
<td>41,600lbs</td>
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<tr>
<td>GAWR Front</td>
<td>14,600lbs</td>
</tr>
<tr>
<td>GAWR Rear</td>
<td>27,000lbs</td>
</tr>
<tr>
<td>Overall length</td>
<td>40’</td>
</tr>
<tr>
<td>Turning Radius</td>
<td>43’</td>
</tr>
<tr>
<td>Overall height</td>
<td>143”</td>
</tr>
<tr>
<td>Overall Width</td>
<td>102”</td>
</tr>
<tr>
<td>Front Step Height</td>
<td>15”</td>
</tr>
<tr>
<td>Engine Cummins</td>
<td>ISM CM870</td>
</tr>
<tr>
<td>Transmission</td>
<td>Allison WB400 5 speed automatic</td>
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<tr>
<td>Advertised Horsepower*</td>
<td>280-500 bhp</td>
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<tr>
<td>Peak Torque</td>
<td>1150-1550 lb-ft</td>
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<tr>
<td>Governed Speed</td>
<td>2100 rpm/65 mph</td>
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<tr>
<td>Number of Cylinders</td>
<td>6</td>
</tr>
</tbody>
</table>
KAT’S 35 FOOT BUS

Unladed weight – 27,800 lbs.
Overall length – 35 ft.
Overall height – 122 “
Overall width – 102”
Turning radius – 43 ft.
Horsepower – 350 hp
2006 30ft. Low Floor Gillig

Unladen weight – 25,980-lbs
Overall Length – 30’
**Width – 96” – without mirrors**
Engine – Cummins ISL
Transmission – Allison Automatic
2018 Ford E-350 Cutaway

GVWR: 11,500
Overall length: 22’
Overall width: 8’ 4”
Mirror to mirror clearance: 9’
Engine: 6.8L
Wheelbase: 11’ 6”
UCHRA CONVERSION VAN

T-150 Ford Conversion Van

Overall Length – 18’5”
Overall Height – 8’
Overall Width – 6’3” front & rear bumper
7’4” from step to step
APPENDICES
APPENDIX 1

2018 TPTA ROADEO WINNER

CONVERSION VAN DIVISION
1st Max Gately, SWHRA
2nd Don Feathers, FTHRA
3rd Ashley Hommell, KAT

CUTAWAY VAN DIVISION
1st Virgil Cox, KAT
2nd Steven Hester, CTS
3rd Scott Wallace – WeGo

30’ BUS DIVISION
1st Justin Jones, CTS
2nd Tristan Jones, MATA
3rd Kieren Arnoe, CTS

35’ BUS DIVISION
1st Mark Johnson, WeGo
2nd Tina Hayes, KAT
3rd David Tortorich, CARTA

40’ BUS DIVISION
1st Michael Featherston, WeGo
2nd Jerome Horton, WeGo
3rd Johnathan Crutcher, MATA

MAINTENANCE ROADEO CUTAWAY VAN DIVISION
1st Joe Bitter, UCHRA
2nd Kyle Kruk, WeGo
3rd Nick Landrum, KAT

MAINTENANCE BUS DIVISION
1st Justin Woodby, KAT
2nd Troy Willis, WeGo
3rd Joey Hatter, MATA

MAINTENANCE BRAGGING RIGHTS MEDAL
Van Chad Crabtree, KAT
APPENDIX 2
FREQUENTLY ASKED QUESTIONS & ANSWER

NOTE: Questions and answers are provided to assist Roadeo contestants with familiarization of the Roadeo competition. On-field officials are responsible for interpretations and decisions during competition.

1. **Q:** Can someone ride with me?
   **A:** No.

2. **Q:** Are you going to guide me through the course?
   **A:** No. You will be provided with a diagram of the course and/or a walk-through. It is your responsibility to negotiate the obstacles in proper order.

3. **Q:** Do I have to use the horn and turn signals?
   **A:** Yes. If you fail to use your horn and/or signals, you will lose points from the on-board safety judge.

4. **Q:** Am I allowed to go outside the line of the perimeter cones?
   **A:** No. You must stay within the course lines. Each course marker or perimeter cone touched will count as a penalty.

5. **Q:** May I take off my jacket when I compete?
   **A:** Yes. Make yourself comfortable after the personal appearance inspection.

6. **Q:** Can I use the mirrors that I am used to?
   **A:** No. You must use the mirrors provided on the host property vehicles.

7. **Q:** Will I be driving the same type of bus that I drive in my system?
   **A:** You will be driving the vehicles provided by the host property for the vans or bus competition. Vehicle information is provided in the Host property information in description of buses & vans.

8. **Q:** Will there be transportation from the Hotel to the Roadeo site?
   **A:** Yes. Refer to the TPTA Roadeo Schedule or TPTA website for additional information.

9. **Q:** Do I have to take a safety quiz?
   **A:** No.

10. **Q:** Do I go through the defect bus?
    **A:** Yes. The Operator competition includes a scored pre-trip inspection.

11. **Q:** Do I get a personal appearance inspection?
    **A:** Yes.

12. **Q:** May I adjust my mirrors?
    **A:** Yes. You are responsible for adjusting your mirrors.

13. **Q:** Do I lose points if I back up?
    **A:** Yes. In all course events except for the first backup in the left and right reverses, you will lose points each time you reverse.
14. Q: If I hit the same cone twice, do I lose double points?
A: No. Once you are charged with hitting a cone you are not charged for it the second time.

15. Q: If I just touch the base of a cone does it count against me?
A: Yes. Hitting or even touching any portion of the cone counts as a hit.

16. Q: Is my manager allowed to walk behind my bus when I am competing?
A: No. Only Roadeo Officials and judges are allowed on the course while competition (or practice) is in progress. Spectators may watch from the spectator areas.

17. Q: Will I be allowed to walk through the course?
A: Yes. On competition day all Roadeo participants will get a walk through to observe the course.

18. Q: Does time on the course count?
A: Yes. The course time limit is seven (7) minutes. Points will be deducted for every second over seven (7) minutes.

19. Q: Does smoothness of operation count?
A: Yes. You will be observed by the On-Board Judge.

20. Q: Does speed count?
A: Your speed through the diminishing clearance obstacle must be at least 15 mph.

21. Q: Do you award dual prizes for a tie score?
A: No. The contestant with the lowest time through the course wins.

22. Q: How many prizes are awarded?
A: First, Second and third prizes will be awarded for each category that competes.

23. Q: Do I have to wear my badge or name plate?
A: Only if it's part of your uniform.

24. Q: Can I wear sneakers?
A: Wear the same kind of shoes you wear when you are operating in passenger service at your transit system.

25. Q: Will there be refreshments/lunch?
A: Refreshments and lunch will be available on competition day.

26. Q: Can I bring my family?
A: Yes. Come and enjoy the festivities and competition. Spectator areas are available for the Operators course.

27. Q: Do I have to come to orientation?
A: Yes. Important information will be put out at orientation as well as placement in the competition.

28. Q: Do I have to use a seat belt?
A: Yes. 5 Points will be deducted for failure to use your seat belt.

29. Q: Is the course set up as shown in the APTA handbook?
A: Obstacle configurations are the same, but dimensions and sequence may be different.

30. Q: How is the decision made about which category bus goes first each year?
A: In odd number years 35-“ buses go first. In even years 40+” buses go first.
31. Q: Is the rear cone in the backups fixed or does it vary?
A: The rear cone is fixed.

32. Q: Will there be a bus available for familiarization purposes?
A: Not sure. On the day of orientation or on competition day 30', 35' and 40' buses and van will be available.

33. Q: Do I only have to call ADA announcements at the passenger stops?
A: Yes. You must call the stop before you start forward movement out of the bus stop.

34. Q: Do I need to use the P.A. (Public Announcement) System to announce ADA Stops?
A: No.

35. Q: On the Right and Left reverses do I start at a 45-degree angle?
A: You can start at whatever angle you prefer.

36. Q: Do the buses have bike racks?
A: Yes, if provided by the host property the bike racks will remain on the buses.

37. Q: Can I palm the steering wheels on Turns?
A: No.

38. Q: When do I have to turn on the flashers?
A: Before you back your bus at the left and right reverses and any time you back your bus.

39. Q: Do hazard light have to be on in the passenger stop?
A: No. Only turn signals have to be used.

40. Q: Do I apply the passenger/parking/emergency brake on passenger stops or reverses?
A: No.

41. Q: Can I shift the bus from drive to reverse without going into neutral?
A: It depends on the bus type used. If in a 30' or 40' bus Yes, if in van No.

42. Q: Do I open the doors at passenger stops?
A: Yes.

43. Q: On the Right and Left Reverses, does the clock stop when I open the doors?
A: You do not open the doors. You will honk your horn when you have completed your backing. The clock will stop until you start forward movement.

44. Q: Whenever the bus is disabled, does my time stop?
A: Yes.

45. Q: If the doors are open when you drive off, will points be deducted?
A: Yes. It is a safety issue. Most buses will not let the bus move when the doors are open.

46. Q: On the right and left reverses, do I need to turn on my flashers and honk my horn before backing?
A: Yes. You must use the flashers and horn at any time you back on the course.

47. Q: Do I need to use my turn signals on free turns?
A: Yes. Any time you move right or left on the course, you must use your turn signals.

48. Q: When I back into the reverses and stop and then continue backing into the reverses, will I be penalized?
A: No, you will only be penalized if you pull forward and back in a second time.
49. Q: How will the judges know when I have completed my backing into the reverses?
   A: You will honk your horn.

50. Q: Do I have to compete in my uniform?
    A: Yes. If applicable, you may remove your tie and coat to become more comfortable.

**Pre-Trip Inspection:**

51. Q: At the Pre-Trip Inspection, will we get a count down on our time left?
    A: Yes. A 2-minute, 1 minute and 30 second warning will be given.

52. Q: At the Pre-Trip Inspection, can we walk around the bus and then record the defects?
    A: Yes, anyway you want to do it is acceptable.

53. Q: Will there be a judge writing down the defects for us as we find them?
    A: No, you must write them down yourself in as legible a manner as possible.

54. Q: Wheels are under the bus, aren't they? Then we don't have to check them?
    A: Just don't crawl under the bus.

55. Q: Will there be a similar bus to check out ahead of time?
    A: Only if one is available, if not you may have time to familiarize yourself with the bus or van during pre-trip inspection.

56. Q: Will the Pre-Trip Inspection be performed on a 35' or 40' bus?
    A: Whichever is available.

57. Q: Does checking the bus windows mean opening the windows?
    A: Do what you would do to check them for defects.
BUS & VAN OPERATORS’ ROADEO
COURSE TEST ONE: OFFSTREET PARKING

In this test, the driver is required to drive through two separate narrow lanes that are offset one full lane’s width from each other.

40' x 102” Bus:
A= 9'-6”
B= 55'-0”
C= 6'-0”
X= 75'-0”

35' x 96” Bus:
A= 9'-0”
B= 48'-0”
C= 5'-8”
X= 68'-0”

25’9” x 8’ Cutaway Van:
A= 10’-3”
B= 38’-2”
C= 3’-9”
X= 58’-2”

30’ x 96” Bus:
A= 9’-0”
B= 41’-0”
C= 5’-4”
X= 61’-0”

30’ x 102” Bus:
A= 9’-6”
B= 41’-0”
C= 5’-4”
X= 61’-0”

19’7” x 7’2” Conversion Van:
A= 8’-1”
B= 26’-3”
X= 46’-3”

LEGEND

28” Cone
Path of bus
Survey baseline
BUS & VAN OPERATORS’ ROADEO
COURSE TEST TWO: SERPINTINE

This problem tests a driver’s ability to negotiate tight turns. The driver is required to enter a gate, weave in and out through three cones, and exit the problem through another gate. The bus is not permitted to touch any portion of any cone.

40’ x 102” Bus:
A= 9’-6"
B= 36’-0"
C= 32’-0"
X= 136’-0"

35’ x 96” Bus:
A= 9’-0"
B= 32’-0"
C= 25’-7"
X= 115’-0"

25’9” x 8’ Cutaway Van:
A= 10’-3"
B= 25’
C= 25’-5"
X= 110’-0"

30’ x 96” Bus:
A= 9’-0"
B= 28’-0"
C= 19’-2"
X= 94’-4"

30’ x 102” Bus:
A= 9’-6"
B= 28’-0"
C= 19’-2"
X= 94’-4"

19’7” x 8’6” Conversion Van:
A= 8’-1"
B= 21’-0"
C= 17’-0"
X= 76’-0"

Note: Cutaway van width without mirrors is 8’ Conversion van width without mirrors is 7’ 2”
BUS & VAN OPERATORS’ ROADEO
COURSE TEST THREE: RIGHT TURN

This problem tests a driver’s ability to negotiate a right 90 degree turn. The corner is marked with cones and the rear tire of the bus is to pass within 6 inches of the corner. To measure this, a line should be marked out 45 degrees from the corner and divided into six-inch segments. The judge has only to see which segment the outside of the tire passes over in order to judge the driver.

40' x 102” Bus:
A= 11'-6”
B= 5'-0”
C= 34'-0”
X= 20'-0”
Y= 36'-6”

35' x 96” Bus:
A= 10'-8”
B= 4'-10”
C= 29'-9”
X= 17'-6”
Y= 33'-0”

25'9” x 8’ Cutaway Van:
A= 11'-5”
B=
C= 24’
X= 20’

30’ x 96” Bus:
A= 10'-8”
B= 4'-10”
C= 25'-6”
X= 15'-0”
Y= 29'-6”

30’ x 102” Bus:
A= 11'-6”
B= 15'-0”
C= 25'-4”
X= 15'-0”
Y= 29'-6”

19'7” x 7’2” Conversion Van:
A= 8'-1”
B=
C= 16'-7”
X= 9'-11”
This problem tests the contestant’s ability to turn a vehicle around at a route terminal which requires the vehicle to back up to the left and right.

**40’ x 102” Bus:**
A = 40’-0”
B = 45’-0”
C = 11’-0”
X = 58’-0”

**35’ x 96” Bus:**
A = 35’-0”
B = 40’-0”
C = 10’-0”
X = 53’-0”

**25’9” x 8’ Cutaway Van:**
A = 25’-9”
B = 30’-0”
C = 11’-0”
X = 45’-0”

**30’ x 96” Bus:**
A = 30’-0”
B = 35’-0”
C = 9’-0”
X = 50’-0”

**30’ x 102” Bus:**
A = 30’-0”
B = 35’-0”
C = 11’-0”
X = 50’-0”

**19’7” x 7’2” Conversion Van:**
A = 19’-7”
B = 24’-0”
C = 11’-0”
X = 40’-0”
BUS & VAN OPERATORS’ ROADEO
COURSE TEST SIX & EIGHT:
PASSENGER STOP
In this test, the driver is required to drive through two separate narrow lanes that are offset one full lane’s width from each other.

19’7” x 8’6” Conversion Van:
50’2”

LEGEND
- 28” Cone
- Path of bus
- Survey baseline
BUS & VAN OPERATORS’ ROADEO
COURSE TEST SEVEN: LEFT TURN

This problem tests a driver’s ability to make a tight left turn in a close situation. The driver is required to swing the bus into a 90 degree turn and not hit any of the cones outlining the problem even though they will lose sight of some of the marker cones.

40' x 102” Bus:
A= 9'-9’
B= 23'-0”
C= 36'-7”

35’ x 96” Bus:
A= 9’-3”
B= 20’-3”
C= 32’-2”

25'9” x 8’ Cutaway Van:
A= 10’-5”
B= 20’-1”
C=26’-0”

30’ x 96” Bus:
A= 9’-3”
B= 17’-6”
C= 27’-9”

30’ x 102” Bus:
A= 9’-9”
B= 17’-6”
C= 27’-9”

19’7” x 7’2” Conversion Van:
A= 8’-1”
B= 17’-3 ½”
C= 18’-1”

LEGEND

28” Cone
Path of bus
Survey baseline
BUS & VAN OPERATORS’ ROADEO
COURSE TEST NINE: REAR DUALS CLEARANCE

This is a judgment problem in which the driver must drive through a line with their right dual tires. The lane is only slightly wider than the total outside width of a pair of rear duals and is marked out with large flat washers and sponge rubber balls. It is wider at the entrance and narrower at the exit.

**ALL BUSES**
- A = Width of rear dual tires = 6"
- B = Width of rear dual tires + 3"
- C = \( \frac{1}{2} \) width of bus + 3
- D = \( \frac{1}{2} \) width of bus + 1 \( \frac{1}{2} \)"

40’ x 102” Bus:
- E = 10’-9”

35’ x 96” Bus:
- E = 10’2”
- B = 48’-0”
- C = 5’-8”
- X = 68’-0”

25’9” x 8’ Cutaway Van:
- A = 2’-3”
- B = 2’
- C=2’
- D = 1’10 1/2”
- E = 1’10 1/2”

30’ x 96” Bus:
- E = 10’2”

30’ x 102” Bus:
- E = 10’9”

19’7” x 7’2” Conversion Van:
- A = 18”
- B = 18”
- C= 16”
- D = 15”
- E = 15”

**Legend**
- Tennis ball
- Path of bus
- Survey Baseline
BUS & VAN OPERATORS’ ROADEO
COURSE TEST TEN: DIMINISHING CLEARANCE

This is a problem that tests a driver’s ability to judge position and speed of their vehicle. The driver is required to drive through a narrowing V-shape channel outlined with barrels, while maintaining a speed of 15 miles per hour.

![Diagram of diminishing clearance channel]

**40’ x 102” Bus:**
- A = 10’-0’
- B = 9’-8”
- C = 9’-4”
- D = 9’-0”
- X = 40’-0”

**30’ x 96” Bus:**
- A = 9’-6”
- B = 9’-2”
- C = 8’-10”
- D = 8’-6”
- X = 40’-0”

**35’ x 96” Bus:**
- A = 9’-6”
- B = 9’-2”
- C = 8’-10”
- X = 40’-0”

**30’ x 102” Bus:**
- A = 10’-0”
- B = 9’-8”
- C = 9’-4”
- D = 9’-0”
- X = 40’-0”

**25’9” x 8’ Cutaway Van:**
- A = 19’-6”
- B = 9’-2”
- C = 8’-10”
- D = 8’-8”
- E = 8’-8”

**19’7” x 7’2” Conversion Van:**
- A = 8’-6”
- B = 8’-2”
- C = 7’-10”
- D = 7’-8”
- E = 7’-8”

---

**LEGEND**

- 55-gallon drum
- Path of bus
- Survey baseline
This problem tests a driver’s ability to judge closing distance between the bus and a small object directly ahead. A small (18 inch) cone is placed on the finish line, the driver’s final stop. The bus must stop with the front bumper within 5 inches of the cone.
APPENDIX 4

OPERATORS' SCORE SHEETS
TPTA
BUS/VAN ROADEO
TEST ONE: OFFSET STREET

Contestant's Number: _____________  Bus/Van Number: _____________

Penalties:
1. 10 points off for each cone touched.
2. 10 points off for each transmission shift into reverse.
3. 50 points off for not completing test as designed.

Score:
1. Cones touched  _______ x 10 = _______
2. Shifted into reverse _______ x 10 = _______
3. Not completing test as designed _______ x 50 = _______

Total Points Off (Add 1 thru 3)
Note: Maximum Penalty Points = 50

Judge's Signature: ____________________________  Total Points Possible __50__

Judge's Signature: ____________________________  Total Points Off ______

POINTS EARNED
TPTA
BUS/VAN ROADEO
TEST TWO: SERPENTINE

Contestant's Number: _____________ Bus/Van Number: ______________

Penalties:
1. 10 points off for each cone touched.
2. 10 points off for each transmission shift into reverse.
3. 25 points off for touching pivot cone.
4. 50 points off for not completing test as designed.

Score:
1. Cones touched _______ x 10 = _______
2. Shifted into reverse _______ x 10 = _______
3. Pivot cone touched _______ x 25 = _______
4. Not completing test as designed _______ x 50 = _______

Total Points Off (Add 1 thru 4)
Note: Maximum Penalty Points = 50

Judge's Signature: ____________________________ Total Points Possible __50__

Judge's Signature: ____________________________ Total Points Off ______

POINTS EARNED
TPTA
BUS/VAN ROADEO
TEST THREE: RIGHT TURN

Contestant's Number: ____________  Bus/Van Number: ____________

Penalties:
1. 10 points off for each cone touched.
2. 5 points off for each 6” segment beyond the first 6” pivot cone.
3. 10 points off for each transmission shift into reverse.
4. 25 points off for touching pivot cone.
5. 50 points off for not completing test as designed.

Score:
1. Cones touched  _______ x 10 = _______
2. Excessive rear tire clearance  _______ x 5 = _______
3. Shifted into reverse  _______ x 10 = _______
4. Pivot cone touched  _______ x 25 = _______
5. Not completing test as designed  _______ x 50 = _______

Total Points Off (Add 1 thru 5)
Note: Maximum Penalty Points = 50

Judge's Signature: ____________________________  Total Points Possible __50__
Judge's Signature: ____________________________  Total Points Off     ______

POINTS EARNED
TPTA
BUS/VAN ROADEO
TEST FOUR: RIGHT HAND REVERSE

Contestant’s Number: ____________________    Bus/Van Number: ______________

Penalties:
1. 10 points off for pivot cone touched.
2. 5 points off for each cone touched.
3. 5 points off for each 12” segment beyond 36’ limit from rear cone.
4. 10 points off for each transmission shift into reverse after initial shift into reverse.
5. 25 points off for touching rear cone.
6. 50 points off for not competing test as designed.

Score:
1. Pivot cone touched _______ x 10 = _______
2. Cones touched _______ x 5 = _______
3. Rear clearance beyond 36” _______ x 5 = _______
4. Shifted into reverse _______ x 10 = _______
5. Rear cone touched _______ x 25 = _______
6. Not completing test as designed _______ x 50 = _______

Total Points Off (Add 1 thru 6)
Note: Maximum Penalty Points = 50

Judge’s Signature: ____________________________    Total Points Possible __50__

Judge’s Signature: ____________________________    Total Points Off _______

POINTS EARNED ____________
TPTA
BUS/VAN ROADEO
TEST FIVE: LEFT HAND REVERSE

Contestant's Number: _____________  Bus/Van Number: ______________

Penalties:
1. 10 points off for pivot cone touched.
2. 5 points off for each cone touched.
3. 5 points off for each 12” segment beyond 36’ limit from rear cone.
4. 10 points off for each transmission shift into reverse after initial shift into reverse.
5. 25 points off for touching rear cone.
6. 50 points off for not competing test as designed.

Score:
1. Pivot cone touched
   ______ x 10 = ______
2. Cones touched
   ______ x 5 = ______
3. Rear clearance beyond 36”
   ______ x 5 = ______
4. Shifted into reverse
   ______ x 10 = ______
5. Rear cone touched
   ______ x 25 = ______
6. Not completing test as designed
   ______ x 50 = ______

Total Points Off (Add 1 thru 6)
Note: Maximum Penalty Points = 50

Judge's Signature: ____________________________  Total Points Possible __50__
Judge's Signature: ____________________________  Total Points Off ______

POINTS EARNED ______
TPTA
BUS/VAN ROADEO
TEST SIX: 1ST PASSENGER STOP

Contestant's Number: _____________  Bus/Van Number: ______________

Penalties:
1. 25 points off for touching cones at either end of passenger stop.
2. 25 points off for touching curb with tires.
3. 1 point off per inch beyond 6” segment from curb (front tire).
4. 1 point off per inch beyond 15” segment from curb (rear tire).
5. 10 points off for each transmission shift into reverse.
6. 50 points off for not completing test as designed.

Score:
1. Entrance cones touched _______ x 25 = _______
2. Touched curb _______ x 25 = _______
3. Front tire actual measurement _______ x -6 = _______
4. Rear tire actual measurement _______ x -15= _______
5. Exit cones touched _______ x 25 = _______
6. Shifted into reverse _______ x 10 = _______
7. Not completing test as designed _______ x 50 = _______

Total Points Off (Add 1 thru 7)
Note: Maximum Penalty Points = 50

Judge’s Signature: ____________________________  Total Points Possible  __50__

Judge’s Signature: ____________________________  Total Points Off  ______

POINTS EARNED
TPTA
BUS/VAN ROADEO
TEST SEVEN: LEFT HAND TURN

Contestant’s Number: _____________  Bus/Van Number: _____________

Penalties:
1. 10 points off for each cone touched.
2. 10 points off for each transmission shift into reverse.
3. 25 points off for touching entrance cone.
4. 50 points off for not completing test as designed.

Score:
1. Cones touched _______ x 10 = _______
2. Shifted into reverse _______ x 10 = _______
3. Entrance cone touched _______ x 25 = _______
4. Not completing test as designed. _______ x 50 = _______

Total Points Off (Add 1 thru 4)
Note: Maximum Penalty Points = 50

Judge's Signature: ___________________________  Total Points Possible __50__

Judge's Signature: ___________________________  Total Points Off ______

POINTS EARNED ______
TPTA
BUS/VAN ROADEO
TEST EIGHT: 2ND PASSENGER STOP

Contestant’s Number: _____________  Bus/Van Number: ______________

Penalties:
1. 25 points off for touching cones at either end of passenger stop.
2. 25 points off for touching curb with tires.
3. 1 point off per inch beyond 6” segment from curb (front tire).
4. 1 point off per inch beyond 15” segment from curb (rear tire).
5. 10 points off for each transmission shift into reverse.
6. 50 points off for not completing test as designed.

Score:
1. Entrance cones touched  
   _____ x 25 = _______
2. Touched curb  
   _____ x 25 = _______
3. Front tire actual measurement  
   _____ x -6 = _______
4. Rear tire actual measurement  
   _____ x -15= _______
5. Exit cones touched  
   _____ x 25 = _______
6. Shifted into reverse  
   _____ x 10 = _______
7. Not completing test as designed  
   _____ x 50 = _______

Total Points Off (Add 1 thru 7)
Note: Maximum Penalty Points = 50

Judge’s Signature: ____________________________  Total Points Possible __50__

Judge’s Signature: ____________________________  Total Points Off ______

POINTS EARNED
TPTA
BUS/VAN ROADEO
TEST NINE: REAR DUALS CLEARANCE

Contestant’s Number: ____________________ Bus/Van Number: ______________

Penalties:
1. 20 points off for each “A” ball touched.
2. 16 points off for each “B” ball touched
3. 8 points off for each “C” ball touched
4. 4 points off for each “D” ball touched
5. 2 points off for each “E” ball touched
6. 10 points off transmission shift into reverse.
7. 50 points off for not completing test as designed.

Score:
1. “A” ball touched
   ________ x 20 = ___________
2. “B” ball touched
   ________ x 16 = ___________
3. “C” ball touched
   ________ x 8 = ___________
4. “D” ball touched
   ________ x 4 = ___________
5. “E” ball touched
   ________ x 2 = ___________
6. Shifted into reverse
   ________ x 10 = ___________
7. Not completing test as designed
   ________ x 50 = ___________

Total Points Off (add 1 thru 7)
Note: Maximum Penalty Points = 50

Judge’s Signature: ____________________ Total Points Possible 50

Judge’s Signature: ____________________ Total Points Off ______

POINTS Earned ___
TPTA
BUS/VAN ROADEO
TEST TEN: DIMINISHING CLEARANCE

Contestant’s Number: ___________________  Bus/Van Number: ______________

Penalties:  Note: Put an (X) by each barrel touched
1. 20 points off for each “A” barrel touched.
2. 16 points off for each “B” barrel touched.
3. 8 points off for each “C” barrel touched.
4. 4 points off for each “D” barrel touched.
5. 2 points off for each “E” barrel touched.
6. 25 points off for insufficient speed (15 mph).
7. 50 points off for not completing test as designed.

Score:
1. “A” barrel touched
   _______ x 20 = ___________
2. “B” barrel touched
   _______ x 16 = ___________
3. “C” barrel touched
   _______ x  8 = ___________
4. “D” barrel touched
   _______ x  4 = ___________
5. “E” barrel touched
   _______ x  2 = ___________
6. Insufficient speed
   _______ x 25 = ___________
7. Not completing test as designed
   _______ x 50 = ___________

Total Points Off (add 1 thru 7) ____________
Note: Maximum Penalty Points = 50

Judge’s Signature: ___________________  Total Points Possible  50

Judge’s Signature: ___________________  Total Points Off __________

POINTS EARNED __________
TPTA
BUS/VAN ROADEO
TEST ELEVEN: JUDGEMENT STOP

Contestant's Number: ____________________  Bus/Van Number: ______________

Penalties:
1. 50 points off for each 18” marker being touched.
2. 1 point off for 1” beyond the initial 6”.
3. 25 points off for making more than one full stop.
4. 50 points off for not completing test as designed.

Score:
1. 18” marker touched ______Yes ______NO = ______
2. Excessive clearance beyond 6” limit
   Actual measurement ______-6 = ______
3. Excessive total stops ______ x 25 = ______
4. Not completing test as designed ______ x 50 = ______

Total Points Off (Add 1 thru 4)
Note: Maximum Penalty Points = 50

Judge's Signature: ____________________  Total Points Possible __50__

Judge's Signature: ____________________  Total Points Off ______

POINTS EARNED ___
TPTA
BUS/VAN ROADEO
TEST TWELVE: SAFETY HABITS

Contestant’s Number:____________________  Bus Number : ____________

A. Total Points Possible A: 25

B. Deductions

1. Deduct 1 point for each instance of failing to use proper turn signals
   _______ x 1 = ________

2. Deduct 3 points for each instance of failing to sound the horn before backing up
   _______ x 3 = ________

3. Deduct 3 points for each instance of failing to use flashers while backing up
   _______ x 3 = ________

4. Deduct 3 points for each instance of moving bus with door opened
   _______ x 3 = ________

5. Deduct 5 points for failing to use seat belt
   _______ x 5 = ________

6. Deduct 2 points if the Operator exhibits poor:
   a. Posture
      Enter 0 or 2 ______
   b. Use of mirrors
      Enter 0 or 2 ______
   c. Use of hands
      Enter 0 or 2 ______
   d. Use of feet
      Enter 0 or 2 ______

Total Points Deducted (Add 1 - 6)  B: ________
(maximum penalty points – 25)

TOTAL POINTS AWARDED (A– B)  _______________________
(maximum 25 points)

Judge’s Signature ________________________________

Judge’s Signature ________________________________
TPTA
BUS/VAN ROADEO
TEST THIRTEEN: SMOOTHNESS OF OPERATION

Contestant’s Number:____________________ Bus Number:______________

Evaluate each contestant on his/her ability to deliver a smooth ride. The following criterion is to be employed in making each evaluation:

A. Total Points Possible A: 25

B. Penalties:

Deduct 10 points for each A.D.A. announcement not made.
Deduct one point for each occurrence of sudden stops, sudden starts and abrupt turns.

1. A.D.A. Announcements x 10 =
   ______ x10=_______

2. Sudden Stops x 1 =
   ______ x1=_______

3. Sudden Starts x 1 =
   ______ x1=_______

4. Abrupt turns x 1 =
   ______ x1=_______

TOTAL POINTS DEDUCTED (Add 1 - 4) B: _________
(maximum penalty points – 25)

TOTAL POINTS AWARDED (A-B) (maximum 25 points)
____________________

Judge’s Signature _______________________________
Judge’s Signature _______________________________
TPTA
BUS/VAN ROADEO
TEST FOURTEEN: PERSONAL APPEARANCE

Contestant’s Number: ____________ Bus Number: ____________

A. Total Points Possible
   A: ______ 50____

B. Deductions:
   Deduct 10 points for each instance of poor personal appearance
   Examples: wrinkled uniform shirt, unkempt personal appearance, unpolished or dirty shoes

   Number of Deductions noted: _______ x 10= B: _________
   (maximum of 5 deductions)

   Explanation of Deductions Noted:
   ______________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________
   ______________________________________________________________________

   TOTAL POINTS AWARDED (A-B) ________________________________

Judge’s Signature:__________________________
TPTA
BUS/VAN ROADEO
TIMEKEEPER’S RECORD

Contestant’s Number: ____________  Bus Number: ______________

NOTE: Time stops for mechanical trouble and at each course problem where measurements are taken. Time stops at the completion of the judgment stop.

A. Elapsed Time: ______ minutes ______ seconds

B. Penalty of one point per second over seven minutes. (Maximum penalty of 180 points)

POINTS PENALIZED: ________________________________

TIMEKEEPER’S SIGNATURE: __________________________________________
A. Points Earned

Identify and record six (6) planted defects (5 points each).
Identify and record one (1) security problem (20 points).

1. Number of planted defects found
   ____________ x 5 = ______________

2. Security problem found (enter 0 or 20)
   ______________

   Total Points Earned  A. __________

B. Penalty

Deduct 1 point for each item not returned to original condition.
(examples: compartment doors, lights, windows, etc.)

1. Number of items not returned to original condition
   ____________ x 1

   Total Points Deducted  B. __________

TOTAL POINTS EARNED  (A-B) ________________
(Maximum Possible 50 points)

Judge’s Signature: ________________________________

Judge’s Signature: ________________________________

JUDGES PLEASE MAKE SURE TO GIVE A 2 MINUTE; 1 MINUTE AND 30 SECOND WARNING TO ALL COMPETITORS
## TPTA Summary Sheet for – Bus/Van Contestant Total Score Sheet

<table>
<thead>
<tr>
<th>Driving Tests</th>
<th>Base Score</th>
<th>Points Earned</th>
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<tbody>
<tr>
<td>1. Offset street</td>
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<tr>
<td>2. Serpentine</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>3. Right Hand Turn</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>4. Right Hand Reverse</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>5. Left Hand Reverse</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>6. 1st Passenger Stop</td>
<td>50</td>
<td></td>
</tr>
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<td>7. Left Hand Turn</td>
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<td></td>
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<tr>
<td>8. 2nd Passenger Stop</td>
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<td></td>
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<tr>
<td>9. Rear Dual Clearance</td>
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<td></td>
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<td>10. Diminishing Clearance</td>
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<td></td>
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<tr>
<td>11. Judgment Stop</td>
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<td>12. Safety Habits</td>
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<td>13. Smoothness of Operations</td>
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<td>14. Personal Appearance</td>
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<tr>
<td>15. Defect Bus</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

Contestant’s Total Points 700

Overtime Penalty Subtracted (1 point per second over 7 Mins)

Contestant’s Total Points _ _________________

**Timekeepers Record:**
- Elapsed Time: ________________ Minutes ________________ Seconds

Recorder’s Signature 1st Tally ____________________ Recheck _______________ Date ___________

Recorder’s Signature 1st Tally ____________________ Recheck _______________ Date ___________

Recorder’s Signature 1st Tally ____________________ Recheck _______________ Date ___________