

South Carolina Association
for Pupil Transportation
Road-e-o Packet



2010

**Killian Elementary School
2621 Clemson Road
Columbia S.C. 29223**

"Together We Make the Difference"

Regulations

1. Contestants must report to the registration area no later than 8:15 am. Failure to report to registration by the assigned time will result in disallowance of competition for the event.
2. All competitors must be pre registered before the day of the event. No late registration will be accepted the day of the event.
3. Competitors must possess a valid CDL with the proper endorsements or restrictions necessary to legally operate a school bus in South Carolina.
4. Contestants will driver in the order of the contestant number drawn on the morning of the competition. If a contestant is not available at the time they are scheduled to drive, they may be disqualified.
5. The following may result in disqualification of the contestant:
 - a) Any misconduct on the part of the participant such as:
 - 1) Unprofessional behavior
 - 2) Speeding and/or unsafe driving
 - 3) Use of any drugs
 - 4) Use of any alcohol during or immediately prior to competition
 - b) Any contestant who knowingly accepts signals from anyone may be automatically disqualified.
 - c) Any special markings of any kind found on the bus, the ground or anywhere else that could be used to aid a contestant in any event will disqualify the driver and any other contestant using that bus prior to discovery of the markings.
 - d) Failure to maintain proper driving position, sitting firmly in the driver's seat, hands on wheel, seat belt properly secured, will be disqualified.
 - e) A contestant will not be allowed to put his/her head out the window.
 - f) Mirrors can only be adjusted to provide the driver vision that would be normally required for safely operating the vehicle and getting maximum field pf vision. **NO MIRROR ADJUSTMENT WILL BE MADE TO SEE THE GROUND ONLY!**
 - f) No smoking, eating or drinking will be allowed while driving in competition.

General Information

Buses Being Used – Transits and C-2 buses will be used for the road course, 1995 Transits will be used for the pre-trip.

Course Time – The course will not be timed, however, events such as the written exam and the pre-trip inspection will have a maximum time limit.

Preparation to Drive – The contestant will be given adequate time (three minutes) to adjust the seat and mirrors prior to beginning the course. Personal will be on hand to assist with this. No contestant will be allowed to adjust the seat or mirrors in a manner other than that consistent with every day operating procedures.

Course Changes - No changes will be made to the course after competition starts. The Competition Director may determine to disqualify any event during the competition and apply the point value equally to all contestants. The Competition Director reserves the right to use bright colored rope, tape, cones, barrels or other devices to mark the course. The course will be setup for each type of bus being used.

Interference – Contestants may contact a representative of the competition at the finish line if they feel that an interference or problem affected their competition. If interference is identified and confirmed and the competitor's score in the event mentioned was affected, a determination will be made as to whether a re-run for that event will be allowed. If a re-run is granted, a Rodeo official shall immediately score the event and their score will be deemed final.

Announcement of Winners – Scores and winners will be announced as quickly as possible after the completion of competition.

Score Sheets – Over all scores will be posted in the SCAPT web site by contestant number. Copies of written tests and score sheets will not be available.

Order of Competition – The order of competition and Competitor sequence will be announced the day of the competition.

Tied Scores – Should a tie occur in the top three places, the tie will be broken by the times acquired? Ties occurring in places below third will not be broken. Should a tie still occur, the tied competitors will return redo an event or events to break the tie.

Competition Events

<u>Written Examination</u>	Total Possible Team Score	100 Points
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Purpose of Test: A school bus driver and monitor must become familiar with and faithfully observe many laws, rules and regulations. These laws, rules and regulations were established as a result of years of study and experience. Contestants in the state competition are encouraged to study the state rules, regulations and laws for school bus drivers.

Contestants should use the CDL Manual, School Bus Driver's Manual, and the *South Carolina School Bus Transportation Laws and Regulations* as references for their study for the information found on this examination. They should also study the *Driver's Handbook* for state traffic regulations.

The test includes 50 questions. These questions are based on the publications mentioned above and common driver knowledge. Contestants should read the questions carefully and select the best answer.

Pre-Trip Event

Drivers must ALWAYS perform a pre-trip to make sure the bus is safe before they begin their route.

All items being checked must be verbalized as well as touched or pointed to.

Items to be checked:

Lights and signals – Proper function and cleanliness

Tires and wheels – Tread wear, cuts, inflation, bulges. Seals not leaking. Lug nuts not loose.

Drive shaft – Must be visually checked

Engine leaks – Engine pressure leaks must be checked with engine running.

Driver seat belt – Check before seated and must check while seated

Park brake – Check that brake holds while the bus is in drive

Switches – Wipers/washers

Steering – Excessive play

Horn

Gauges – Identify and check for proper status with engine running

Emergency exits – All must be inspected and opened.

Seats – All seats are secured to floor. Ck seat cushions for securement.

Emergency equipment – First aid kit(open), fire extinguisher(charge statue also), seat belt cutter, fire blanket

This does not include all items to be checked

Stop Line Event

Maximum Score: 100 Points

Purpose of Test: To determine contestant's depth perception, ability to use crossview mirrors and ability to bring the bus to a smooth, complete stop.

Instructions: The contestant will be expected to bring his/her bus to a complete stop as close to the stop line as possible without the face of the front bumper breaking the plane of the leading edge of the 2" wide stop line. No part of the front bumper can be over or on the 2" wide stop line. Only one stop can be made. Contestant will set parking brake and sound horn when ready for measurement. The measurement will be made from the center of the front bumper.

Scoring: The contestant has a perfect score if he/she stops within 2" of the leading edge of the 2" wide stop line.

- Deduct one hundred (100) points if parking brake is not set or horn is not blown for measurement.
- Deduct ten (10) points for each 2" short of this goal.
- Deduct one hundred (100) points if bumper breaks the plane of the leading edge of the 2" wide stop line.
- Deduct one hundred (100) points for failure to complete event or follow instructions. (Example: more than one stop)

TOTAL DEDUCTIONS FOR THIS EVENT WILL NOT EXCEED 100 POINTS



DIMINISHING CLEARANCE EVENT

Maximum Score: 100 points

Purpose of Test: To determine driver's ability to maneuver bus in straight line in a diminishing width.

Instructions: The bus should proceed through this lane in a smooth and continuous manner without touching any of the cones. For the purpose of conducting this event, five pairs of parallel cones are set up. Each pair of cones, however, is parallel to the next. The distance between each pair of cones is 25 feet. The width of each pair varies as follows:

The width of the bus plus 10 inches.

The width of the bus plus 8 inches.

The width of the bus plus 6 inches.

The width of the bus plus 4 inches.

The width of the bus plus 2 inches.

Scoring:

Deduct twenty (20) points for each instance of uneven forward Movement of the bus.

Deduct twenty (20) points for each instance of stopping the forward Movement of the bus.

Straight Line Event

Maximum Score: 100 Points

Purpose of Test: To determine driver's ability to maneuver bus in straight line of a given width.

Instructions: Bus is to pass through lane without touching any tennis balls with right front or right rear tires. Distance between markers is the width of the duals plus 3".

Scoring:

- Deduct twenty (20) points for each instance of stopping forward motion of bus.
- Deduct ten (10) points for each instance of right front or right rear tire touching any tennis balls.
- Deduct twenty (20) points for each instance that right front or right rear tire knocks over any tennis ball.
- Deduct twenty (20) points for each instance that driver drives to either side of pair of tennis balls.
- Deduct one hundred (100) points for failure to complete event or follow instructions.

TOTAL DEDUCTIONS FOR THIS EVENT WILL NOT EXCEED 100 POINTS.

	25'	25'	25'	25'	25'
Right Wheels	25'	25'	25'	25'	25'

Right Turn Event

Maximum Score: 100 Points

Purpose of Test: This test is designed to determine a driver's ability to properly execute a right turn.

Instructions: A lane will be provided in which the driver will make the approach to the corner. The lane is marked on the right with a curb line 50 feet long. The driver will approach the corner giving the correct directional signal at least 100 feet from the turn as required by law. The contestant shall continue to steer the bus in a straight line until ready to execute the right turn. The bus may not be stopped during the event. The turn must be executed without the curb line.

Scoring: Scoring will be based on the method in which the driver enters and recovers from the turn. The tire tread will be used.

If any tire touches the curb at any time	100 points
Failure to keep door closed during event	100 points
Failure to complete event	100 points
Backing the bus	100 points
Failure to activate the right signal 100 feet from turn	50 points
Each instance of stopping during event (Maximum of 100 points)	20 points
Failure to cancel right signal	50 points

The right rear outside tire should pass through the scoring template at the beginning and completion of the arc of the turn. Deductions will be taken from the curbside of each template and the following points shall be charged:

0" to 6" (yellow)	0 points
6" to 9" (black)	20 points
9" to 12" (red)	40 points
More than 12" (missed template completely)	50 points

The inside curb will be at a 90 degree angle from a center point of 17 feet. The outside curb will be formed at the same 90 degree angle from the same center point and not less than 30 feet.

Parallel Parking Event

Maximum Score – 100 Points

Purpose of Test: The event is designed to evaluate the contestant's ability to park the bus parallel to the curb without touching barriers placed at both ends of the parking area without touching the curb and within 18 inches of the curb. It is also designed to judge the ability to drive the bus out of the parking area without touching the barriers or the curb.

Instructions: The course simulates a limited curb length between parked cars. Two barriers will be set at right angles to the curb line, extending out eight feet from the curb. The distance between the two barriers will be:

- a) For all transits, the length of the bus plus six feet
- b) For all conventional and small buses, the length of the bus plus seven feet

(A measurement will be made from the furthestmost wheel sidewall to determine how close the bus is parked to the curb.)

Backing In and Pulling Out: The contestant will be permitted to back up twice before points are charged.

Scoring: Scoring will be based on the method in which the driver enters and exits a stall.

Failure to set parking brake and sound the horn	100 points
Bus touching front or rear barrier at anytime	100 points
Failure to keep door closed during event	100 points
Failure to complete event	100 points

Scoring for backing in:

Failure to use 4 way hazard lights before entering	100 points
First instance of touching curb with tire	100 points
For each instance of backing more that twice (not to exceed 100 points)	20 points

Scoring for Zones Parallel to Curb:

Zone 1	0" to 3" from curb	0 points
Zone 2	3" to 6" from curb	10 points
Zone 3	6" to 9" from curb	20 points
Zone 4	9" to 12" from curb	30 points
Zone 5	12" to 15" from curb	40 points
Zone 6	15" to 18" from curb	50 points
Over 18" from curb		100 points

Scoring for Pulling Out:

Failure to use left turn signal when exiting	100 points
First instance of touching the curb with tire	100 points
Failure to cancel directional signal when exiting	20 points
For each instance for backing more than twice (not to exceed 50 points)	20 points



Railroad Crossing Event

Maximum Score: 100 Points

Purpose of Test: The railroad crossing represents one of the greatest hazards insofar as mass casualties or fatalities are concerned. This test evaluates the driver's degree of care and Knowledge of laws, rules and regulations when required to operate a school bus across railroad tracks.

Instructions: Safely stop and then cross a railroad track.

Scoring:

Deduct fifty (50) points if 4-way hazard lights are not activated when approaching tracks.

Deduct fifty (50) points for failure to check mirrors.

Deduct fifty (100) points if bus is not stopped within proper distance of track. (15-50 feet)

Deduct fifty (50) points for failure to open door.

Deduct one hundred (100) points for improper use of traffic warning lights.

Deduct fifty (50) points if window is not opened and noisy equipment is not shut off.

Deduct fifty (100) points for failure to check both directions of track.

Deduct twenty (20) points if door is not closed before crossing track.

Deduct ten (10) points if 4-way hazard lights are not canceled.

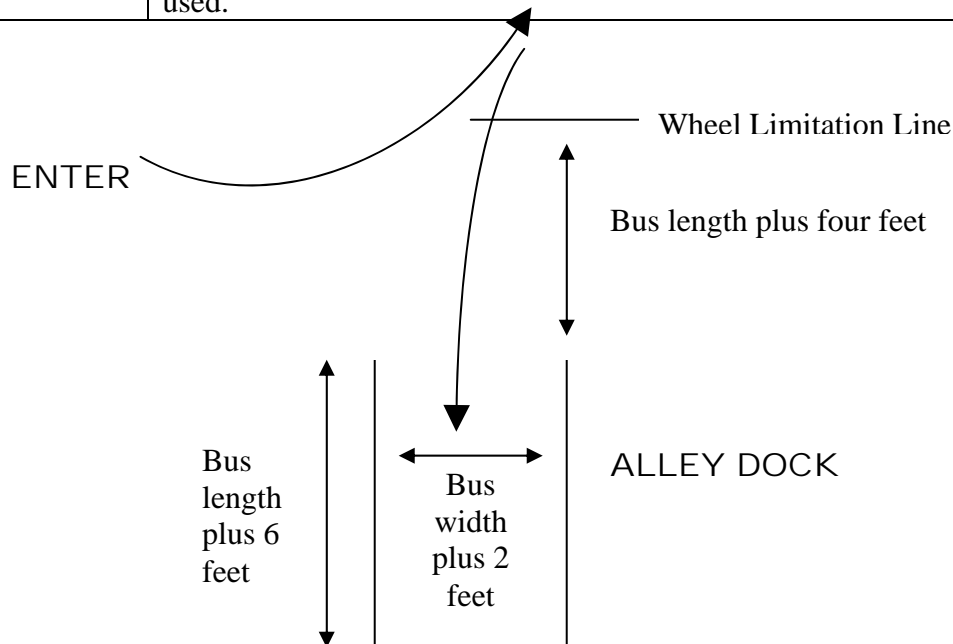
TOTAL DEDUCTIONS FOR THIS EVENT WILL NOT EXCEED 100 POINTS.



Rear Alley Dock Event

Four corner posts, two at the front of the dock and two at the rear define the “alley” that the bus must back into. The alley is 6 feet longer than the bus used in the rodeo. Two parallel sides are marked on the ground (with tape, paint or rope) the width of the bus body plus two feet. A “Wheel Limitation Line” is marked in front of the alley the length of the bus plus 4 feet. The driver must approach the alley from the right and avoid touching the sides and rear of the dock or have the bus wheels cross the front limitation line while positioning the bus. The goal is to “center” the bus in the dock, equally spaced front-to-back and side-to-side. Bus attendant shall stay on the bus during this event and should assist driver from inside the bus. If bus attendant and/or students leave the bus during this event, the event is stopped and zero points are awarded.

<i>ACTION</i>	WHAT TO LOOK FOR
Sounds horn	Driver sounds horn before backing. (Tapping not blast) If horn is not sounded until backing has begun, <u>no</u> points should be awarded.
Attendant observes	Attendant should be positioned near the inside rear of the bus, looking out the rear windows and communicating with the driver to assist in backing. Attendant (and students) must stay <u>on</u> the bus.
Backing maneuvers	Backing into the stall should be done in a single motion. Additional forward and backing motions result in fewer points as the chart indicates.
Avoids touching front posts	The bus should not touch the front posts – touches result in fewer points as indicated in the chart.
Avoid touching rear dock line	Driver should avoid touching the rear posts or dock line. Touches result in few points as indicated in the chart.
Avoid side marker	The bus wheels must not touch the alley side markers. Touches result in fewer points as indicated in the chart.
Center bus front to back in dock	Driver must position the bus to be equidistant from the front and rear of the dock lines. The rear bumper should be 36” from the rear dock line. Measurement will be taken at the center of the rear bumper.
Center bus side to side in the dock	Driver must position the bus to be equidistant from both sides of the dock. Bus should be 12” from the side lines. Measurements will be taken at front and rear bumpers. <u>Lowest</u> point total from front <u>or</u> back will be used.



“TLC” Event
(Don't forget smoother is better)