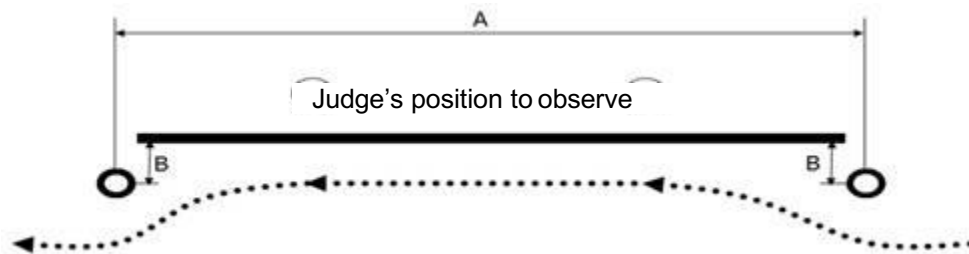


PASSENGER STOP

Contestant Number _____

Vehicle 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. FRONT TIRE --1 point off per inch beyond 6 inches from curb
 4. REAR TIRE --1 point off per inch beyond 15 inches from curb
 5. 5 points off for each transmission shift into reverse
 6. 3 points off for not using turn signals (entering and exiting)

NOTE: Maximum Penalty Points - 50

Points Possible _____ 50

Point	1.	End cones touched	_____ x 25 = _____
Deductions	2.	Touched curb	_____ x 25 = _____
	3.	Front tire actual measurement	_____ - 6 = _____
	4.	Rear tire actual measurement	_____ - 15 = _____
	5.	Shifts into reverse	_____ x 5 = _____
	6.	Non-use of turn signal	_____ x 3 = _____

Circle each cone touched. Measure the distance from curb to the front & rear tires

Total points deducted (add 1 through 6) - _____

Points earned _____

PASSENGER STOP

Maximum Score: 50 points

Description: The operator must make a passenger stop at a location approximately two vehicle lengths long. The stop must be made without the vehicle or tires touching any cones (simulating parked vehicles) or the curb, simulated by 4X4's or a painted or marked line. The front tire on the vehicle should be 6" or less from the curb, and the rear tire should be 15" or less from the curb. Once the vehicle stops, the judges will measure the distance from the tires to the curb. Operators must put the vehicle in park and the sound the vehicle's horn. This will indicate to the on-board judge to stop the time on the stop watch, and also notify the on field judges it is safe to measure the obstacle. After the measurements have been taken on the course, the judge will tap the side of the vehicle indicating it is safe for the driver to proceed through the course. The driver should put the vehicle in drive and tap the horn so the on-board judge will begin the stopwatch.

Penalties:

25 points for touching the "vehicle cones" at either end of the stop location

25 points for touching the curb with either the front or rear tires, upon entering or leaving the stop

1 point per inch for each inch or part of an inch that the front tire is measured beyond 6" from the curb (i.e., 8" measured for the front tire would equal 2 points)

1 point per inch for each inch or part of an inch that the rear tire is measured beyond 15" from the curb

5 points for each transmission shift into reverse 3 points off for non-use of turn signal

Dimensions:

A. Two lengths of vehicle

B. Width of vehicle plus 12 inches

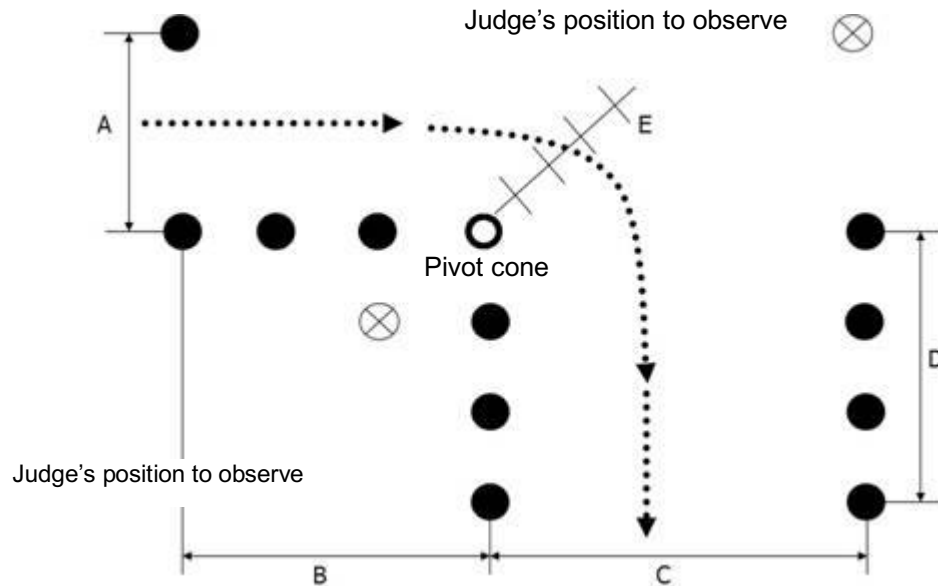
NOTES FOR JUDGE

Consistency in measurement is vital to this exercise. Measure the distance from the top edge of the curb, 4 x 4, or simulated curb to the center of the tire below the axle at the same height as the top of the curb. Make sure to measure both the front and back tires, and note the maximum distances from the curb for front and back tires (6 and 15 inches, respectively). (If we use a tape or other line, measure the distance at the pavement level.) Be sure that the yard stick is perpendicular to the curb when you measure. Measurements are rounded up. If you measure 8 1/4" or 8 3/4", it should be recorded as 9" on the score sheet. Hitting the curb or cones anytime, either entering or departing the stop, loses points, so be careful to watch the cones and curb as the vehicle departs the exercise. The contestant must beep the horn to indicate to the judges that it is safe to measure the distance between the curb and the tires. The timekeeper must stop the clock when the horn is sounded and restart the clock when the vehicle is put into motion. (Turn signals required when entering and exiting the passenger stop.)

RIGHT TURN

Contestant Number _____

Vehicle Number _____



- Penalties**
1. 10 points off for each cone touched
 2. 5 points off for each 6" segment over and above the first 6" of the rear tire clearance
 3. 5 points off for each transmission shift into reverse
 4. 25 points off for touching pivot cone
 5. 3 points off for not using turn signals

Note: Maximum Penalty Points - 50

Points Possible _____ 50

Point	1.	Cones touched	_____ x 10 = _____
Deductions	2.	Excessive rear tire clearance	_____ x 5 = _____
	3.	Shifts into reverse	_____ x 5 = _____
	4.	Pivot cone touched	_____ x 25 = _____
	5.	Non-use of turn signal	_____ x 3 = _____

Total points deducted (add 1 through 5) _____

Points Earned _____

RIGHT TURN

Maximum Score: 50 points

Description: This skill test measures the operator's ability to negotiate a tight 90 degree right turn. The corner is marked with a pivot cone. The rear tire of the vehicle is to pass within 6" of the corner. To measure this, a line is marked out at 45 degrees from the corner and divided into 6" increments. The judge must see which increment the outside edge of the rear tire passes over in order to score the operator.

Penalties:

25 points for touching pivot cone

10 points for each course cone touched

5 points for each 6" increment over and above the first 6" increment over which the outside rear tire passes.

5 points for each transmission shift into reverse

3 points for non-use of turn signal

Dimensions:

- A Width of vehicle plus 6 inches
- B Length of vehicle
- C Start with width and half of vehicle, widen as needed
- D 16 feet overall
- E 36 inches divided into 6 inch increments

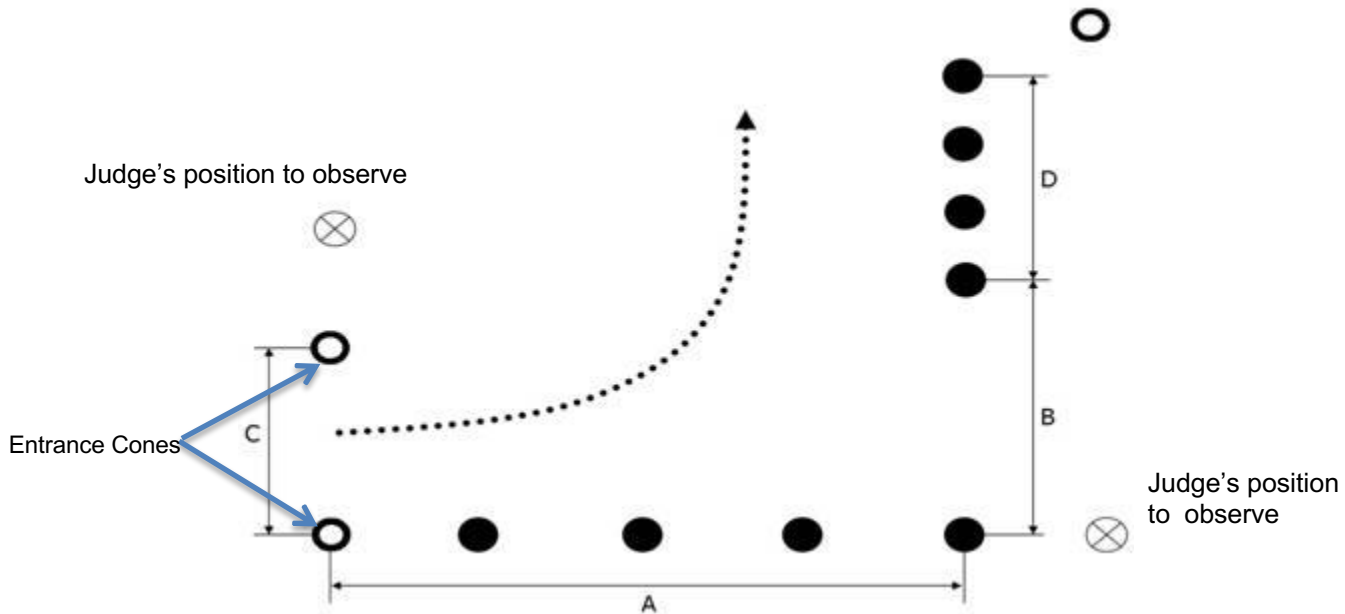
NOTES FOR JUDGE

Note the location of the right, outside rear tire as it crosses the 45-degree line from the pivot cone. This is the point at which you must decide which interval the tire has crossed. If any portion of the line marking the next 6" increment on the 45-degree line is visible as the tire crosses the 45-degree line, penalty points are earned. The cones most likely to be hit are the driver's side entrance cone (tail swing), the pivot cone and the exit cones. **(Turn signal required.)**

LEFT TURN

Contestant Number _____

Vehicle Number _____



- Penalties
1. 10 points off for each cone touched
 2. 5 points off for each transmission shift into reverse
 3. 25 points off for each entrance cone touched
 4. 3 points off for non-use of turn signals

NOTE: Maximum Penalty Points - 50

Points Possible _____ 50

Point	1. Cones touched	_____ x 10 = _____
Deductions	2. Shifts into reverse	_____ x 5 = _____
	3. Entrance cone touched	_____ x 25 = _____
	4. Non-use of turn signal	_____ x 3 = _____

Total Points Deducted (add 1 through 4) - _____

Total points earned _____

LEFT TURN

Description: This skill test measures an operator's ability to negotiate a tight left turn. The operator must turn the vehicle through a 90 degree turn and not touch any of the cones outlining the turn, even though some of the cones will be out of sight during the turn.

Penalties:

25 points for each entrance cone touched

10 points per other cone touched

5 points for each transmission shift into reverse

3 points for non-use of turn signal

Dimensions:

- A Length of vehicle plus 3 feet
- B Width and half of vehicle
- C Width of vehicle plus 6 inches
- D Length and half of vehicle

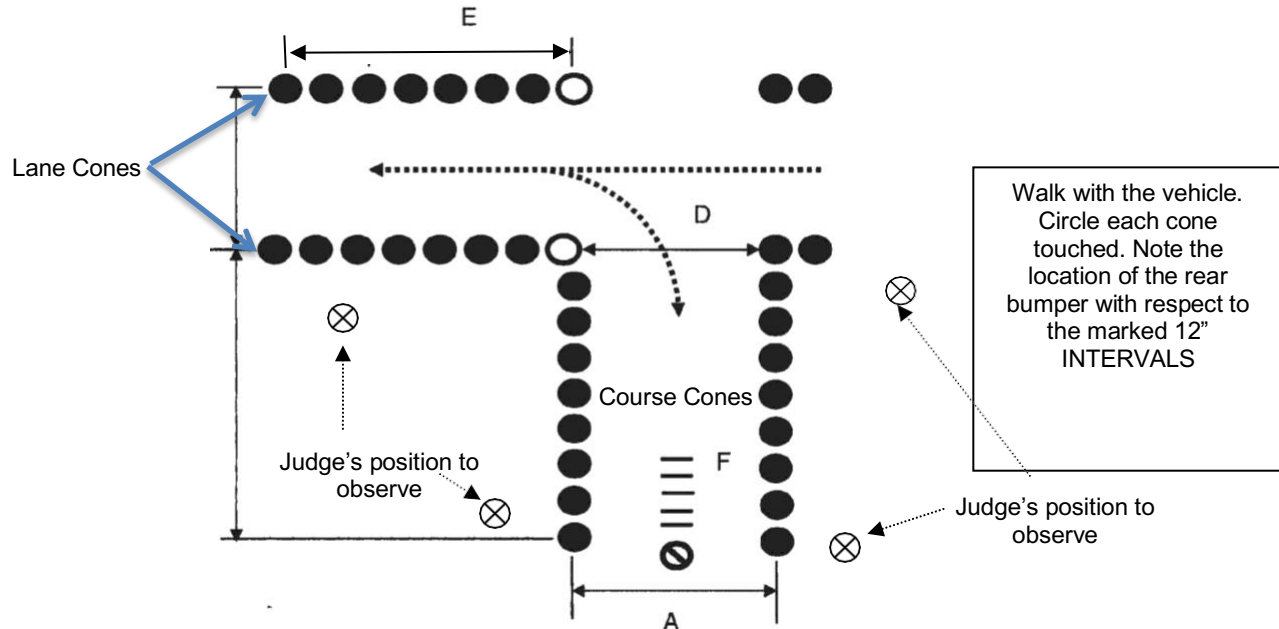
NOTES FOR JUDGE

The two entry cones are the ones most likely to be hit. Remember, they each have a 25-point value. Watch for the right entry cone being hit by the tail swing of the vehicle. **(Turn signal required.)**

LEFT HAND REVERSE

Contestants Number _____

Vehicle Number _____



- Penalties
1. 10 points off for each "course" cone touched
 2. 5 points off for each "lane marker" cone touched
 3. 5 points off for each 12" beyond 36" limit from rear marker
 4. 5 points off for each transmission shift into reverse after initial shift into reverse
 5. 25 points off for touching "rear" cone

NOTE: Maximum Penalty Points - 50

Points Possible50

Point	1.	Course cones touched	_____ x 10 = _____
Deductions	2.	Lane marker cones touched	_____ x 5 = _____
	3.	# 12" increments beyond 36" rear clearance	_____ x 5 = _____
	4.	Shifts into reverse	_____ x 5 = _____
	5.	Touched rear cone	_____ x 25 = _____

Total points off deducted (add 1 through 5) - _____

Total points earned

LEFT HAND REVERSE

Maximum Score: 50 points

Description: This obstacle tests the operator's ability to back the vehicle into a confined area. The vehicle must be backed to the left around a course marker into a narrow lane, and be stopped within 3' of a cone directly behind the vehicle. The vehicle must not touch the cones marking the sides of the lane, or marking lanes, nor the rear cone. This skill test measures the operator's use of mirrors and depth perception. Operators must put the vehicle in park and the sound the vehicle's horn. This will indicate to the on-board judge to stop the time on the stop watch, and also notify the on field judges it is safe to measure the obstacle. After the measurements have been taken on the course, the judge will tap the side of the vehicle indicating it is safe for the driver to proceed through the course. The driver should put the vehicle in drive and tap the horn so the on-board judge will begin the stop watch.

Penalties:

10 points off for each "course" cone touched

5 points off for each "lane marker" touched

5 points off for each 12" increment beyond 36" from the rear cone

5 points off for each transmission shift into reverse after the initial shift into reverse

25 points off for touching the rear cone

Dimensions:

- A Width of vehicle plus 12 inches
- B Length of vehicle plus 4 feet (3 foot centers)
- C Length and half of vehicle (widen as required)
- D Width of vehicle plus 18 inches
- E 44 feet (4 foot centers)
- F 3 feet marked at 12 inch increments

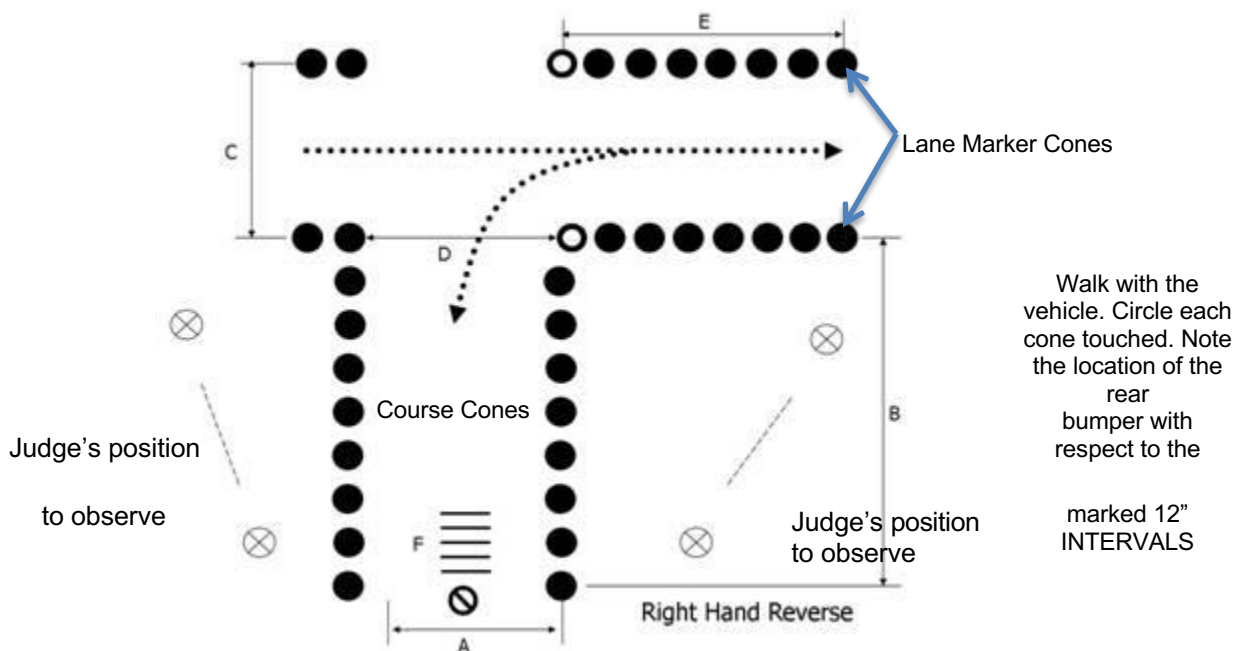
NOTES FOR JUDGE

The vehicle must come to a stop so that the judges can determine where the rear bumper of the vehicle is with respect to the rear marker cone. The contestant must sound the horn to signal the judges that the backing maneuver is complete, and it is safe to measure the distance from the rear of the vehicle to the rear marker cone. The timekeeper must stop the clock when the driver sounds the horn and start the clock when the vehicle begins to move. Judges should determine the location quickly. All contestants and judges should note that the various marking cones have different point values. These exercises are likely to experience a cone lodged between the tires and the body. Be ready to alert the contestant to stop the vehicle if necessary. Judges must remember to watch the vehicle as it departs the exercise because points are deducted for cones that are hit while exiting the exercise, keeping in mind that a cone can only be hit once. **(Turn signal not required.)**

RIGHT HAND REVERSE

Contestants Number _____

Vehicle Number _____



- Penalties
1. 10 points off for each "course" cone touched
 2. 5 points off for each "lane marker" cone touched
 3. 5 points off for each 12" beyond 36" limit from rear marker
 4. 5 points off for each transmission shift into reverse after initial shift into reverse
 5. 25 points off for touching "rear" cone

NOTE: Maximum Penalty Points - 50

Points Possible50

Point	1.	Course cones touched	_____ x 10 = _____
Deductions	2.	Lane marker cones touched	_____ x 5 = _____
	3.	# 12" increments beyond 36" rear clearance	_____ x 5 = _____
	4.	Shifts into reverse	_____ x 5 = _____
	5.	Touched rear cone	_____ x 25 = _____

Total points off (add 1 through 5) - _____

Total points earned _____

RIGHT HAND REVERSE

Maximum Score: 50 points

Description: This obstacle tests the operator's ability to back the vehicle into a confined area. The vehicle must be backed to the right around a course marker into a narrow lane, and be stopped within 3' of a cone directly behind the vehicle. The vehicle must not touch the cones marking the sides of the lane, or marking lanes, nor the rear cone. This skill test measures the operator's use of mirrors and depth perception. Operators must put the vehicle in park and the sound the vehicle's horn. This will indicate to the on-board judge to stop the time on the stop watch, and also notify the on field judges it is safe to measure the obstacle. After the measurements have been taken on the course, the judge will tap the side of the vehicle indicating it is safe for the driver to proceed through the course. The driver should put the vehicle in drive and tap the horn so the on-board judge will begin the stop watch.

Penalties:

10 points off for each "course" cone touched
5 points off for each "lane marker" touched
5 points off for each 12" increment beyond 36" from the rear cone
5 points off for each transmission shift into reverse after the initial shift into reverse
25 points off for touching the rear cone

Dimensions:

- A Width of vehicle plus 12 inches
- B Length of vehicle plus 4 feet (3 foot centers)
- C Length and half of vehicle (widen as required)
- D Width of vehicle plus 18 inches
- E 44 feet (4 foot centers)
- F 3 feet marked at 12 inch increments

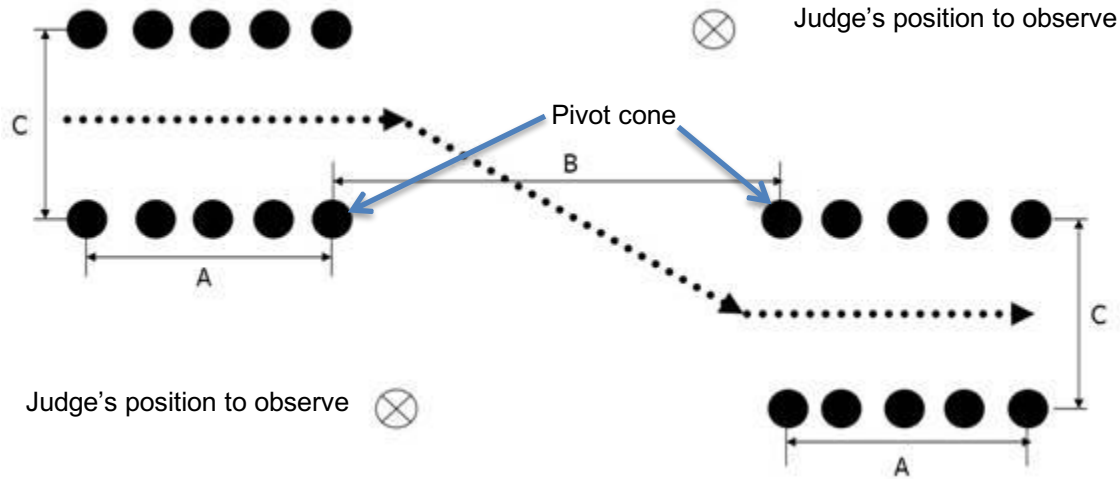
NOTES FOR JUDGE

The vehicle must come to a stop so that the judges can determine where the rear bumper of the vehicle is with respect to the rear marker cone. The contestant must sound the horn to signal the judges that the backing maneuver is complete, and it is safe to measure the distance from the rear of the vehicle to the rear marker cone. The timekeeper must stop the clock when the driver sounds the horn and start the clock when the vehicle begins to move. Judges should determine the location quickly. All contestants and judges should note that the various marking cones have different point values. These exercises are likely to experience a cone lodged between the tires and the body. Be ready to alert the contestant to stop the vehicle if necessary. Judges must remember to watch the vehicle as it departs the exercise because points are deducted for cones that are hit while exiting the exercise, keeping in mind that a cone can only be hit once. **(Turn signal not required.)**

FORWARD OFFSET STREET

Contestant Number _____

Vehicle Number _____



- Penalties
1. 5 points off for each cone touched
 2. 5 points off for each transmission shift into reverse
 3. 10 points off for touching a pivot cone
 4. 3 points off for not using turn signal

Note: Maximum Penalty Points - 50

Points Possible _____ 50

- | | | | |
|------------|----|-------------------------|--------------------|
| Point | 1. | Cones touched | _____ x 5 = _____ |
| Deductions | 2. | Shifts into reverse | _____ x 5 = _____ |
| | 3. | Pivot cone(s) touched | _____ x 10 = _____ |
| | 4. | Non-use of turn signals | _____ x 3 = _____ |

Total Points Deducted (1 + 2 + 3 + 4) -- _____

Points Earned _____

FORWARD OFFSET STREET

Maximum Score: 50 points

Description: In this skill test, the operator is required to drive through two separate narrow lanes that are offset one full lane width from each other.

Penalties:

5 points for each cone touched

5 point for each transmission shift into reverse

10 points off for touching pivot cone

3 points off for non-use of turn signals

Dimensions:

- A Length of vehicle
- B Length and half of vehicle
- C Width of vehicle plus 6 inches

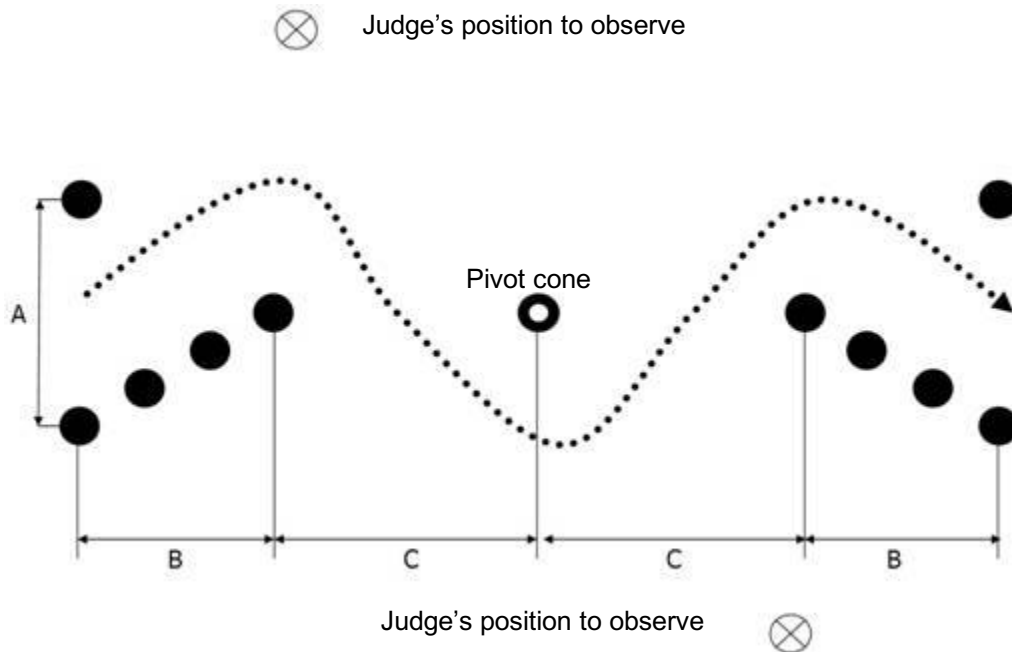
NOTES FOR JUDGE

Judges should be careful to watch the last cone in the entrance set on the driver's side. This cone is likely to be hit as the rear of the vehicle swings through the turn. Watch the entrance cones on the second set for bumper contact and watch the tires of the bus as they pass by the base of the cones. **Judges:** A cone is considered "hit" whether the tires touch the base of a cone or the body of the cone. **(Turn signal required.)**

SERPENTINE

Contestant Number _____

Vehicle Number _____



- Penalties
1. 10 points off for each cone touched
 2. 5 points off for each transmission shift into reverse
 3. 25 points off for touching pivot cone

Note: Maximum Penalty Points - 50

Points Possible _____ 50

- Point Deductions
1. Cones touched _____ x 10 = _____
 2. Shifts into reverse _____ x 5 = _____
 3. Pivot cone touched _____ x 25 = _____

Total Points -- _____

Points Earned _____

SERPENTINE

Maximum Score: 50 points

Description: This skill test measures the operator's ability to negotiate a series of tight turns. The operator is required to enter the course, weave in and out through 3 cones, and exit the skill test. The vehicle is not permitted to touch any portion of any cone.

Penalties:

10 points for each cone touched
5 points for each transmission shift into reverse
25 points for touching pivot cone

Dimensions:

- A Width of vehicle plus 6 inches
- B Length of vehicle
- C Length and half of vehicle
- D Length and half of vehicle (may be adjusted based on turning radius of the vehicle)

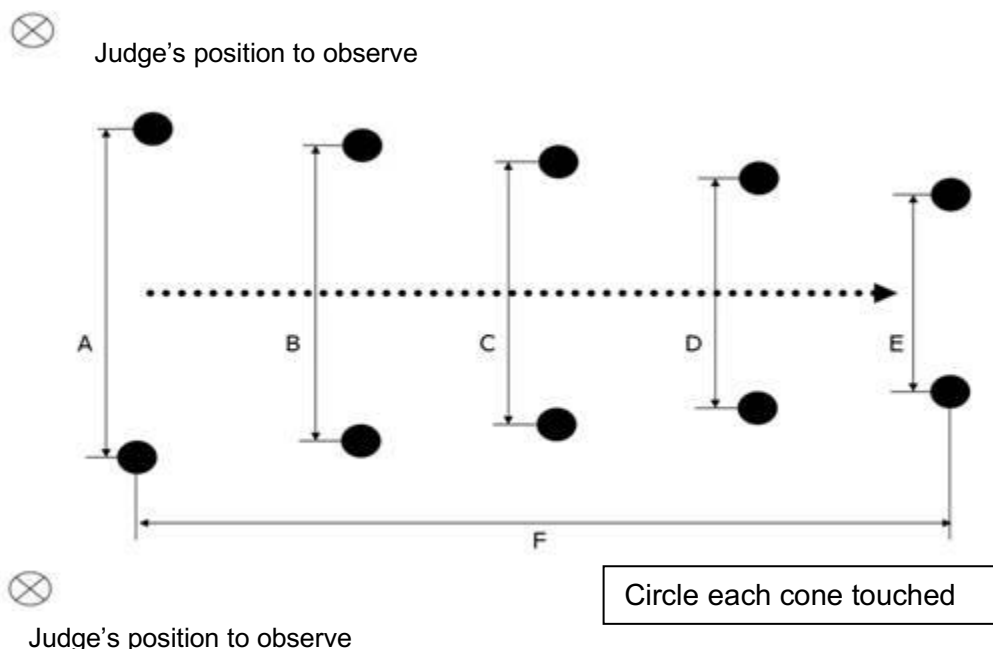
NOTES FOR JUDGE

The cones that are most likely to be hit are the two entrance cones, the point and the pivot cones. Contestants are likely to stop and shift into reverse, so you must remember to check to see if cones are hit when the vehicle is traveling backwards. Remember, a cone can only be hit once, and additional points are not lost for hitting the same cone two or more times. **(Turn signals not required.)**

RIGHT TIRE CLEARANCE

Contestant Number _____

Vehicle Number _____



- Penalties
1. 20 points off for each "A" marker touched
 2. 16 points off for each "B" marker touched
 3. 8 points off for each "C" marker touched
 4. 4 points off for each "D" marker touched
 5. 2 points off for each "E" marker touched

NOTE: Maximum penalty points - 50

Points Possible _____ 50

Point	1.	"A" marker touched _____	x 20 =	_____
Deductions	2.	"B" marker touched _____	x 16 =	_____
	3.	"C" marker touched _____	x 8 =	_____
	4.	"D" marker touched _____	x 4 =	_____
	5.	"E" marker touched _____	x 2 =	_____

Total points deducted (add 1 through 5) - _____

Points earned _____

RIGHT TIRE CLEARANCE

Maximum Score: 50 points

Description: This test measures a driver's ability to properly align the vehicle. The vehicle must be driven so that the right tires pass through a lane that is slightly wider than the tires, and progressively narrows.

Penalties:

20 points off for each A marker touched

16 points off for each B marker touched

8 points off for each C marker touched

4 points off for each D marker touched

2 points off for each E marker touched

5 points off for each transmission shift into reverse

Dimensions:

- A Width of tires plus 10 inches
- B Width of tires plus 9 inches
- C Width of tires plus 8 inches
- D Width of tires plus 7 inches
- E Width of tires plus 6 inches
- F Length of vehicle

Space between markers should be half of the length of vehicle divided by 5

NOTES FOR JUDGE

Judges may need to crouch down to see if obstacle markers are being hit. It makes no difference if the obstacle markers are hit by the front or rear tires. Once a marker is hit, points are lost. Markers can be hit only once. Keep in mind that the markers have varying point values. If a hit marker hits another, the judges must use their judgment to determine if that marker would have been hit by the tire anyway. Again, be consistent. **(Turn signals not required.)**

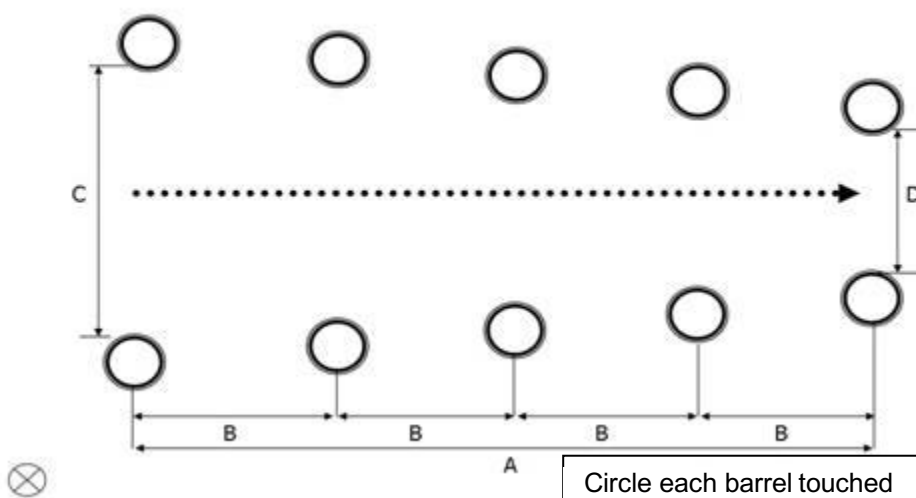
DIMINISHING CLEARANCE

Contestant Number _____

Vehicle Number _____



Judge's position to observe



Penalties

1. 20 points off for each "C" marker touched
2. 16 points off for each "D" marker touched
3. 8 points off for each "E" marker touched
4. 4 points off for each "F" marker touched
5. 2 points off for each "G" marker touched
6. 25 points off for insufficient speed

Points Possible _____ 50

NOTE: Maximum penalty points - 50

Point

Deductions

1. "C" marker touched _____ x 20 = _____
2. "D" marker touched _____ x 16 = _____
3. "E" marker touched _____ x 8 = _____
4. "F" marker touched _____ x 4 = _____
5. "G" marker touched _____ x 2 = _____
6. Insufficient speed _____ x 25 = _____

Total points off (add 1 through 6) - _____

Points earned _____

DIMINISHING CLEARANCE

Maximum Score: 50 points

Description: This problem tests the operator's ability to judge the position and speed of their vehicle. The operator must drive the vehicle through a tapered lane outlined by cones or barrels. The vehicle must enter the tapered lane at a speed greater than or equal to 20 mph.

Penalties:

20 points off for each "C" cone/barrel touched
16 points off for each "D" cone/barrel touched
8 points off for each "E" cone/barrel touched
4 points off for each "F" cone/barrel touched
2 points off for each "G" cone/barrel touched
25 points off for insufficient speed

Dimensions:

A	Length of vehicle
B	Length of vehicle divided by 5
C	Width of vehicle plus 24 inches
D	Width of vehicle plus 20 inches
E	Width of vehicle plus 16 inches
F	Width of vehicle plus 12 inches
G	Width of vehicle plus 8 inches

NOTES FOR JUDGE

In this exercise, the vehicle must be traveling at least 20 mph upon entering the barrels. The radar gun, not the vehicle speedometer is the official speed measurement device, so judges must watch the signal of the radar gun operator. Judges should be careful to stand away from the barrels. They travel fast when hit at 20 mph. **(Turn signals not required.)**

JUDGEMENT STOP

Contestant Number _____

Vehicle Number _____



Judge's position to observe

**Penalties**

1. 50 points off for the 18" marker being touched
2. 1 point off for each 1" beyond the initial 6"
3. 25 points off for making more than one full stop

NOTE: Maximum Penalty Points - 50

Points Possible _____ 50

Point**Deductions**

- | | | |
|----|--------------------------|--------------------|
| 1. | 18" marker touched | _____ x 50 = _____ |
| 2. | inches beyond initial 6" | _____ x 1 = _____ |
| 3. | Stops over 1 | _____ x 25 = _____ |

Total points deducted (add 1 through 3) _____

Points earned _____

JUDGEMENT STOP

Maximum Score: 50 points

Description: This test measures the operator's ability to judge closing distances between the vehicle and small objects directly ahead. After exiting the Diminishing Clearance test, the operator must bring the vehicle to a full stop within 6" of a marker cone. The distance will be measured between the front bumper and the marker cone. Operators are not permitted to make multiple stops, or bring the vehicle to a creeping stop. Operators must put the vehicle in park and the sound the vehicle's horn. This will indicate to the on-board judge to stop the time on the stop watch, and also notify the on field judges it is safe to measure the obstacle.

Penalties:

1 point off for each inch or part of an inch greater than 6 inches from the marker cone.
(i.e., 6" inches equals 1 point off)
50 points off for touching the marker cone
25 points for making more than one complete stop

Dimensions:

Place marker cone in the center of the lane and 100 feet from exit of diminishing clearance test.

NOTES FOR JUDGE

In measuring the distance between the cone and the front bumper of the vehicle, it is very important to be consistent in your measurements. Measure the distance from the cone to the bumper by placing the yardstick on top of the cone, with the 1" increments on the yardstick starting at the end toward the vehicle. The yardstick should be kept parallel to the ground (level), and perpendicular to the front of the vehicle. Read the distance where the yardstick crosses the outside of the cone. Measurements are rounded up. If you measure 8 1/4" or 8 3/4", it should be recorded as 9" on the score sheet. **(Turn signals not required.)**