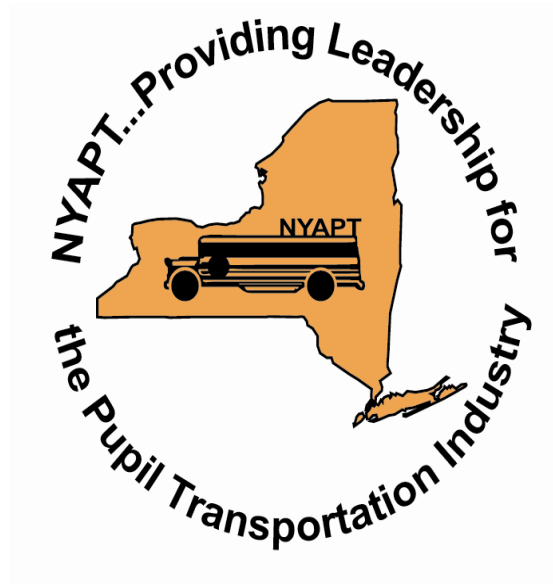


THE
NEW YORK ASSOCIATION
FOR
PUPIL TRANSPORTATION

Road-EO Guidelines



Prepared By: NYS State Road-EO Committee
Revised 03/2011

Table of Contents

General Information	3
Contestant Qualifications	4
Rules and Procedures	5
Personnel Needed	6
Road–EO Events Maximum Score List.....	7
Written Examination	8
Pre-Trip Inspection	9
Pre-Trip Score Sheet	10
General Procedures	11
General Procedures and Time Score Sheet	12
Student Loading	13
Student Loading Layout.....	14
Student Loading Score Sheet.....	15
Serpentine	16
Serpentine Layout	17
Serpentine Score Sheet.....	18
Offset Alley	19
Offset Alley Layout.....	20
Offset Alley Score Sheet.....	21
Alley Dock.....	22
Alley Dock Layout.....	23
Alley Dock Score Sheet.....	24
Railroad Crossing	25
Railroad Crossing Layout	26
Railroad Crossing Score Sheet	27
Straight Line	28
Straight Line Layout.....	29
Straight Line Score Sheet.....	30
Diminishing Clearance and Stop Line.....	31
Diminishing Clearance and Stop Line Layout	32
Diminishing Clearance and Stop Line Score Sheet	33
Parallel Parking	34
Parallel Parking Layout.....	35
Parallel Parking Score Sheet.....	36
Student Unloading	37
Student Unloading Score Sheet	38
K-Turn.....	39
K-Turn Score Sheet.....	40
Surprise Event & Score Sheet	41

General Information

The New York Association will follow the rules and procedures contained in this manual when conducting the Annual School Bus Safety Road–EO.

It is highly recommended that each Chapter use these same guidelines at their local School Bus Safety Road–EO's so that all contestants will be well prepared for State and National competition.

ORGANIZATION

It is essential to name a person to Chair the event. The Chair then should assign committee members as follows:

- Judge's assignments
- Equipment and Site Coordinator
- Contestant Coordinator
- Prizes and Finance
- Refreshments

SCHEDULING

Although the Road–EO can be scheduled any time of the year, consideration should be given to:

- Setting the date at least six (6) months in advance
- Because a full day is needed, a Saturday is generally preferred
- If there are over sixty (60) contestants, a second day may be needed. This is at the discretion of the local Road-EO Chairperson and Committee.
- Coordinate the dates so winners can go on to District, Regional or State competition

Contestant Qualifications

Your Road-EO Committee has established the following rules for the New York State School Bus Safety Road-EO:

1. A local chapter of N.Y.A.P.T. or the N.Y.A.P.T. State Road-EO Committee will select contestants.
2. Each chapter will be allowed a maximum of nine (9) contestants with a limit of three (3) contestants in each class including Conventional, Van and Transit. All State Road-EO contestants must be an employee of a State NYAPT member school district, contractor or employer. In the spirit of cooperation extended to us by the New York State Bus Contractors Association, we have invited the three (3) winners of their Road-EO in each of the three classes to participate in our Road-EO, provided they meet the membership requirement stated above.
3. Drivers must be able to make the following statement:

"I hereby certify that I have been employed as a School Bus Driver for the entire past school year. During the previous twelve (12) months, I have not received a moving violation or been involved as a driver in a preventable* vehicle accident."

**Written proof must substantiate a claim of a preventable accident and such proof must be submitted by the June Board meeting and is subject to review and approval by the Road-EO Committee.*

4. The idea of a State Road-EO is to attract the best School Bus Drivers and Attendants. Therefore all contestants in each class including Conventional, Van and Transit must be among the winners of a N.Y.A.P.T. local chapter Road-EO or a regional Road-EO. Those who enter to compete in the Special Needs and Tech-Mech Road-EO are exempt from this requirement as local competitions for these events are rare.
5. The 1st Place Winners in the Conventional, Van and Transit classes will be given the opportunity to represent New York in the National School Bus Safety Road-EO. Expenses will be paid according to the N.Y.A.P.T. Board of Directors approval.
6. Buses with automatic transmissions will be used at the State Road-EO.
7. All buses used for competition will be warmed up to normal operating temperature and driven so brakes may be tested and warmed prior to the beginning of the contest.
8. All Applications, Personal History Forms and registration fees must be sent to the N.Y.A.P.T. address on the application. The State Road-EO Committee will establish the deadline for entry in the State Road-EO annually. Any entries not received by the designated date will be refused.
9. Each chapter is expected to provide at least two (2) people to be assigned as judges.

Rules and Procedures

1. Contestants will be required to stay with their team leader or in the driver preparation area until called for competition.
2. There is absolutely **NO SMOKING ON SCHOOL PROPERTY**.
3. All drivers are required to wear appropriate footwear as defined by the State Road-EO Committee. Footwear must have a closed toe and closed heel no taller than one (1) inch.
4. Any driver who knowingly accepts signals from spectators may be automatically disqualified.
5. In all events the bus doors must be kept closed unless rules of the specific Road-EO obstacle require that they be opened.
6. Each Road-EO contestant will be required to maintain proper driving position at all times. Proper driving position is being firmly in the seat with seat belt on. The contestant will be allowed to use side and rear view mirrors and must demonstrate it by turning their head, but will not be permitted to put their head out of the bus window.
7. Contest rules prevail even though they may differ slightly from the rules and regulations under which the driver normally operates.
8. Contestants are placed on their honor **NOT** to assist another contestant in any way.
9. Contestants will be briefed and given time to familiarize themselves with the bus and the driving course.
10. In the event of a tie, the "tie breaker" will be scores on:
 1. WRITTEN TEST
 2. WRITTEN PRE-TRIP
 3. STUDENT LOAD

11. Judges decisions will be final!!!

Personnel Needed

JUDGES

- One head judge for each event and at least two (2) or three (3) judges for each event plus extra judges available as floaters and relief.

OTHER PERSONNEL

- Set Up & Break Down Team
- Head Scoring Clerk
- Registration Clerk
- Runners
- Announcer

GENERAL MATERIALS

- 100 Foot Tape Measure
- Chalk Line
- Sharpened pencils (for the written exams)
- Spray Paint
- Clip Boards
- Public Address System
- Rope – 250 Feet
- Walkie-Talkies
- Calculator
- Awards
- Numbers to use to identify the contestant on the course
- Stop Watches

OTHER EQUIPMENT

- See individual layout sheets for event equipment

SPECIAL INSTRUCTIONS

- Each vehicle that is to be used for Road-EO competition must be run through the course to insure that each problem is measured accurately
- Adjustments to the established measurements may be necessary to accommodate the turning radius of buses being used
- It is helpful to color code the score sheets

Road-EO Events Maximum Score List

WRITTEN EXAM	25 Points
WRITTEN PRE-TRIP	25 Points
GENERAL PROCEDURE	25 Points
STUDENT LOADING	20 Points
SERPENTINE	20 Points
OFFSET ALLEY	20 Points
ALLEY DOCK	25 Points
RAILROAD CROSSING	20 Points
STRAIGHT LINE	25 Points
DIMINISHING CLEARANCE AND STOP LINE	25 Points
PARALLEL PARK	25 Points
STUDENT UNLOADING	25 Points
K-TURN (Optional for local depending on your course)	25 Points
SURPRISE EVENT	20 Points
MAXIMUM SCORE	325 Points

Combining scores from each event listed above will determine the Final Score. If there is a tie score, the “tie breakers” will be the contestant’s scores on:

1. WRITTEN TEST – If the Written Test score is tied, then we will use
2. WRITTEN PRE-TRIP – If the Written Pre-Trip score is tied, then we will use
3. STUDENT LOAD – If the score is still tied after these three tie breakers, the contestants’ score for each obstacle will be reviewed in the order they occur on the course until the tie is broken.

Written Examination

MAXIMUM SCORE: 25 POINTS

PURPOSE OF TEST:

There are many laws, rules and regulations with which a School Bus Driver must become thoroughly familiar and which they must faithfully observe.

The purpose of this test is to determine the extent of the contestants' familiarity with these important guidelines of safe driving. The test will include twenty-five (25) questions based upon New York State Department of Education Special Regulations and Department of Transportation Regulations, Department of Motor Vehicle Regulations including 19A and common sense rules of the road.

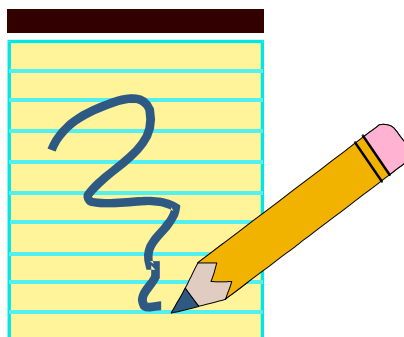
Each correct answer will receive one (1) point.

This is a closed book test and questions may be constructed as follows:

- True / False
- Multiple Choice
- Statement Fill-ins

NOTE:

Different tests should be prepared for each Road-EO conducted.



Pre-Trip Inspection

MAXIMUM SCORE: 25 POINTS

PURPOSE OF TEST:

A School Bus Driver is required by law to make a daily inspection of their bus before transporting pupils. A school bus found to be unsafe shall not be used for the transportation of pupils until such defects are corrected. Such inspection should be planned and it is recommended that it be conducted in a systematic and logical manner to assure that all defects are noted. The purpose of this test is to evaluate the contestants' efficiency in conducting the pre-trip inspection.

INSTRUCTIONS:

This test is to be a written test to judge the contestants' ability to make a complete Pre-Trip Inspection of the bus. All glass, seats, first aid kit, mirrors, horn, gauges and instruments, windshield wipers, brakes, lights, emergency exits, entrance door, signals and flashers, fuel, oil, water, air and tires and the general exterior are subject to inspection.

SCORING

A time limit of 30 minutes has been established for both the general knowledge and pre-trip tests combined. Each test question answered incorrectly or not completed will result in a charge of one (1) demerit.

SET UP INSTRUCTIONS:

Contestants will be given a written test and all materials necessary to complete the tasks. Written tests will be graded to determine the score for this event.

Pre-Trip Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

This test is to judge the contestant's ability to make a complete physical inspection of the bus. This test will be in written form.

A time limit of thirty (30) minutes will be enforced for all contestants. Contestants will receive one demerit for each incorrect or unanswered question.

If any reasonable assistance is needed, the judge will assist in any way that does not violate the spirit of the test.

Place a check mark in the box of each wrong or unanswered question.

1 Demerit Each

Part A – 19A Regulations

(Questions 1 – 8)

(1)

(5)

(2)

(6)

(3)

(7)

(4)

(8)

Part B - Diagram

(Questions 9 – 13)

(9)

(12)

(10)

(13)

(11)

(Questions 14 – 18)

(14)

(17)

(15)

(18)

(16)

(Questions 19 – 23)

(19)

(22)

(20)

(23)

(21)

(Questions 24 – 25)

(24)

(25)

Maximum Score: 25 Points

Minus Total Demerits: _____

FINAL SCORE: _____

General Procedures

HELPFUL HINTS TO JUDGE GENERAL PROCEDURES

The contestants will be evaluated by a riding judge on general types of procedure. Penalties will be assessed as per score sheets. The following items are for clarification purposes.

- Horn, Emergency Equipment (3F's) Fire Extinguisher, First Aid Kit and Flares (Triangles).
- Dashboard items mention Gauges (mention each gauge individually).
- Improper Braking (Hard or Delayed).
- No Seatbelt or improper use or wearing of the seatbelt.
- Failure to scan mirrors throughout the course
- Failure to secure vehicle (Neutral and parking break for a bus and park for vans) and sound horn at Alley Dock.
- Failure to secure vehicle (Neutral and parking break for a bus and park for vans) and sound horn at Stop Line.
- Failure to remain in proper driving position (Head or arms out window).
- Proper hand position and technique while turning.
- Post Trip - driver must get out of seat and check bus and put sign in the window.

General Procedures and Time Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

Place a check mark in the box for each infraction.

PRE TRIP ITEMS

Horn	One (1) Demerit		<input type="checkbox"/>	_____
Emergency Equipment (Three F's)	One (1) Demerit Each	<input type="checkbox"/>	<input type="checkbox"/>	_____
Wipers	One (1) Demerit		<input type="checkbox"/>	_____
Dash Board	One (1) Demerit		<input type="checkbox"/>	_____

ON COURSE ITEMS

Service Brake	Four (4) Demerits		<input type="checkbox"/>	_____
Improper Braking	One (1) Demerit Each	<input type="checkbox"/>	<input type="checkbox"/>	_____
No Seat Belt or Improper Use of Belt	Four (4) Demerits		<input type="checkbox"/>	_____

Failure to Signal with Horn and Secure Vehicle at:

Alley Dock	One (1) Demerit		<input type="checkbox"/>	_____
Stop Line	One (1) Demerit		<input type="checkbox"/>	_____

Failure to assume proper driving position:

Head or Arm out of window	One (1) Demerit		<input type="checkbox"/>	_____
Hands in proper positions	One (1) Demerit		<input type="checkbox"/>	_____

Failure to secure vehicle properly / Parking Brake – Neutral

One (1) Demerit		<input type="checkbox"/>	_____
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Failure to Post Check Vehicle

Five (5) Demerits		<input type="checkbox"/>	_____
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Maximum Score: 25 Points
 Minus Total Demerits: _____

FINAL SCORE: _____

Student Loading

MAXIMUM SCORE: 20 POINTS

PURPOSE OF TEST:

The contestants will be evaluated on their ability and alertness; checking such items as proper use of directional signals, mirrors, school bus flashers and position of the bus from the curb. The driver must position the bus parallel to the curb and within 18" of the curb. A judge will act as the student who will be riding the bus and measuring the bus position from the curb.

PENALTIES TO BE ASSESSED - TWO (2) DEMERITS FOR EACH OF THE FOLLOWING:

- Failure to activate school bus amber lights
- Failure to put transmission in neutral and apply parking brake (large bus) or failure to put in park (van)
- Failure to see that student is seated before moving
- Failure to activate light directional
- Failure to check mirrors including crossover

PENALTIES TO BE ASSESSED - FIVE (5) DEMERITS FOR EACH OF THE FOLLOWING:

- Vehicle over 18" from the curb front and back
- Not using proper crossing procedure, including universal crossing procedure

PENALTIES TO BE ASSESSED - TWENTY (20) DEMERITS FOR THE FOLLOWING:

- Any tires touch curb or bus rolls during loading

SETUP INSTRUCTIONS:

- See layout sheet

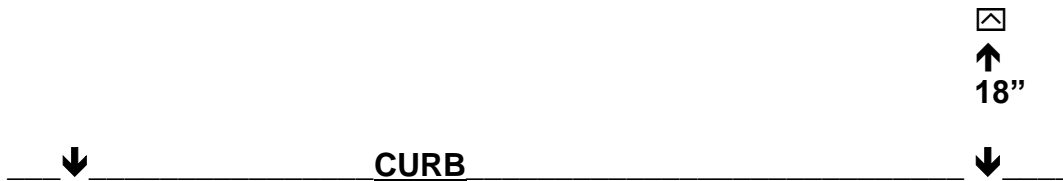
MATERIALS NEEDED:

- Marking tape or paint for simulated curb line

Student Loading Layout

The distance between the cones depends on the steering radius of the bus.

☒ = A tape or marking on the pavement



Make sure the driver knows who the student is



Student Loading Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

Place a check mark in the box for each infraction.

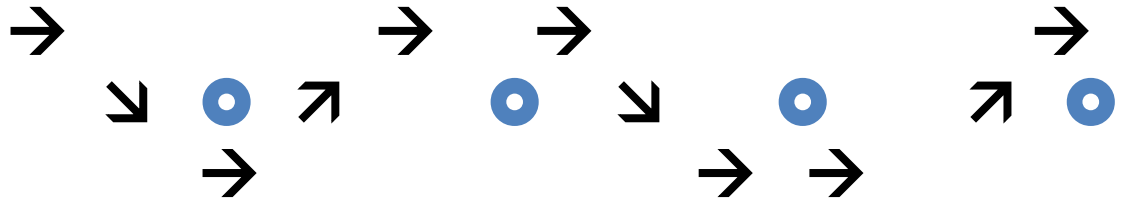
Failure to activate school bus amber lights	Two (2) Demerits	<input type="checkbox"/> _____
Failure to put transmission in neutral	Two (2) Demerits	<input type="checkbox"/> _____
Failure to apply parking brake (large Bus) or put bus in park (van)	Two (2) Demerits	<input type="checkbox"/> _____
Failure to see that student is seated before moving	Two (2) Demerits	<input type="checkbox"/> _____
Failure to activate directional light	Two (2) Demerits	<input type="checkbox"/> _____
Failure to check mirrors including crossover	Two (2) Demerits	<input type="checkbox"/> _____
Over 18" from the curb	Five (5) Demerits	<input type="checkbox"/> _____
Failure to properly use crossing procedure, including Universal Crossing Signal	Five (5) Demerits	<input type="checkbox"/> _____
If bus rolls during actual loading	Twenty (20) Demerits	<input type="checkbox"/> _____
If tire touches curb	Twenty (20) Demerits	<input type="checkbox"/> _____

Maximum Score: 20 Points
Minus Total Demerits: _____

FINAL SCORE: _____

Serpentine

MAXIMUM SCORE: 20 POINTS



Contestants must negotiate this problem in a continuous movement (no stopping) in and around the markers in the manner prescribed.

PENALTIES WILL BE ASSESSED AS FOLLOWS:

- Five (5) demerits for each touch
- One (1) demerit for each stop
- Ten (10) demerits for backing up
- Twenty (20) demerits for going off the course

NEEDED MATERIALS:

- Four (4) barrels

The same materials are needed for the van competition.

Serpentine Layout

DIMENSIONS:

The distance between the barrels is the length of the vehicle, either a bus or a van, plus a maximum of six (6) feet. Please note that the exact spacing will probably be less than the maximum six (6) feet. It will depend on the vehicles used and their steering capability.



Each barrel is to be placed at a distance of one vehicle length plus a maximum of six (6) feet to the next barrel. It must be adjusted for the steering capability of the particular vehicles.

NOTE:

The area available to conduct a Road-EO often dictates your course layout. There is no prescribed sequence that the problems need to be run with the exception that the Offset Alley must follow the Serpentine when possible.

Serpentine Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

Negotiate this problem in a continuous movement in and around the markers in the manner prescribed.

ASSESSED AS FOLLOWS:

Five (5) Demerits for each touch

One (1) Demerit for each stop

Ten (10) Demerits for backing

Twenty (20) Demerits for not following the prescribed course or for going off course

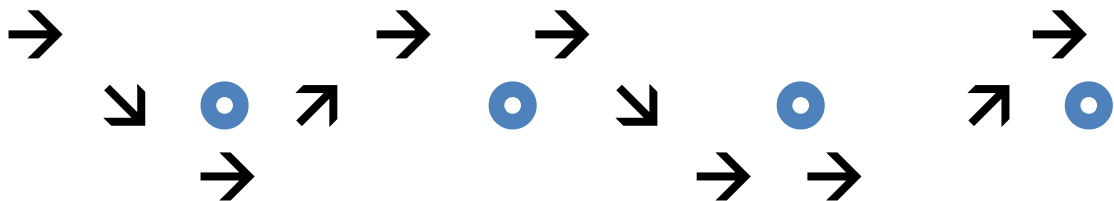
If contestant reaches twenty (20) demerits judge will signal contestant on to the next problem.

Place a check mark in the box for each infraction.

Touch	Five (5) Demerits Per	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Stop	One (1) Demerit Per	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Backing	Ten (10) Demerits Per	<input type="checkbox"/>	<input type="checkbox"/>	_____		
Not following or off the course	Twenty (20) Demerits	<input type="checkbox"/>	_____			

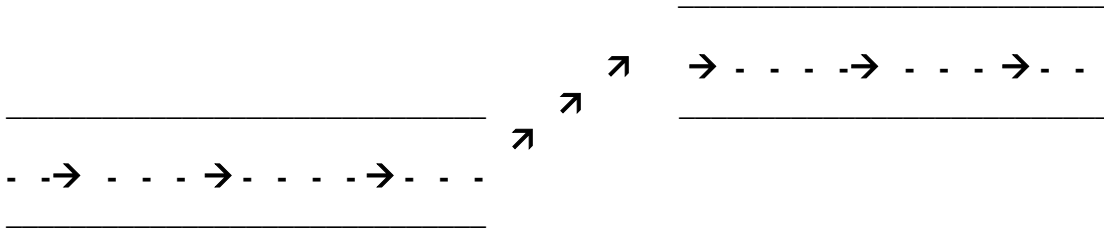
Maximum Score: 20 Points
Minus Total Demerits: _____

FINAL SCORE: _____



Offset Alley

MAXIMUM SCORE: 20 POINTS



The contestant is required to drive the bus through the Offset Alley with continuous forward motion and without touching the barriers.

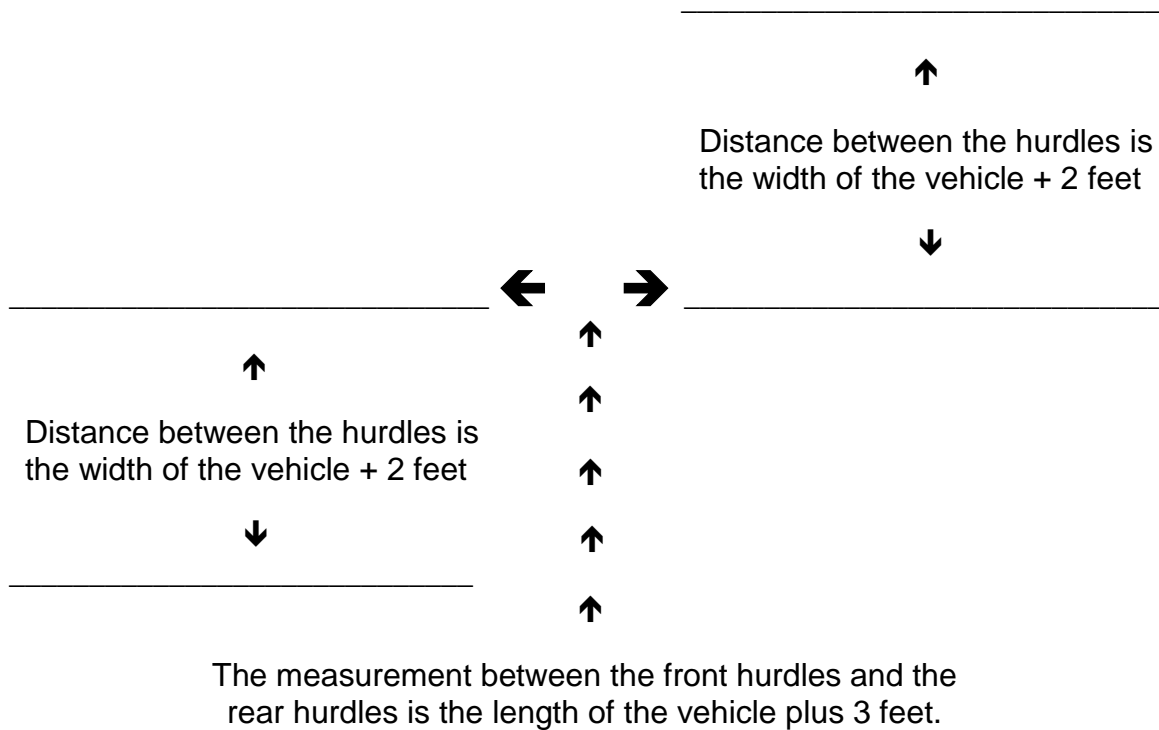
PENALTIES WILL BE ASSESSED AS FOLLOWS:

- Five (5) demerits for each touch
- One (1) demerit for each stop

MATERIALS NEEDED:

- Four (4) 10' hurdles or twelve (12) smaller hurdles as shown on layout page or any combination to complete the setup to meet measurements required.

Offset Alley Layout



EXACT SPACING WILL DEPEND ON VEHICLES USED

DIMENSIONS:

- It is important to set first line of three (3) hurdles (A) in a straight line.
- Set three (3) more hurdles (B) opposite (A) width of bus or van plus two (2) feet apart.
- Measure the length of the bus or van plus three (3) feet and set another three (3) hurdles (D) directly in line with (A).
- Finally three (3) hurdles are placed opposite (D) also width of bus or van plus two (2) feet apart.
- Check all hurdles for alignment.

Alley Dock

MAXIMUM SCORE: 25 POINTS

Contestant is required to back up into a narrow space without touching side markings and will center bus within marked stall. Contestant will sound two (2) short blasts of the horn as a signal to the judge that the distances are ready to be measured. The judge will signal the driver on after measurement is taken.

The Free Zone is a one (1) foot square area. A line dropped from the center of the rear bumper that falls within the Free Zone will receive zero (0) demerits. If the dropped line is not contained in the Free Zone but is within twelve (12) inches of the Free Zone either forward, backward, left or right, the contestant will receive ten (10) demerits. Anything outside the 10 demerit zone will receive twenty-five (25) demerits.

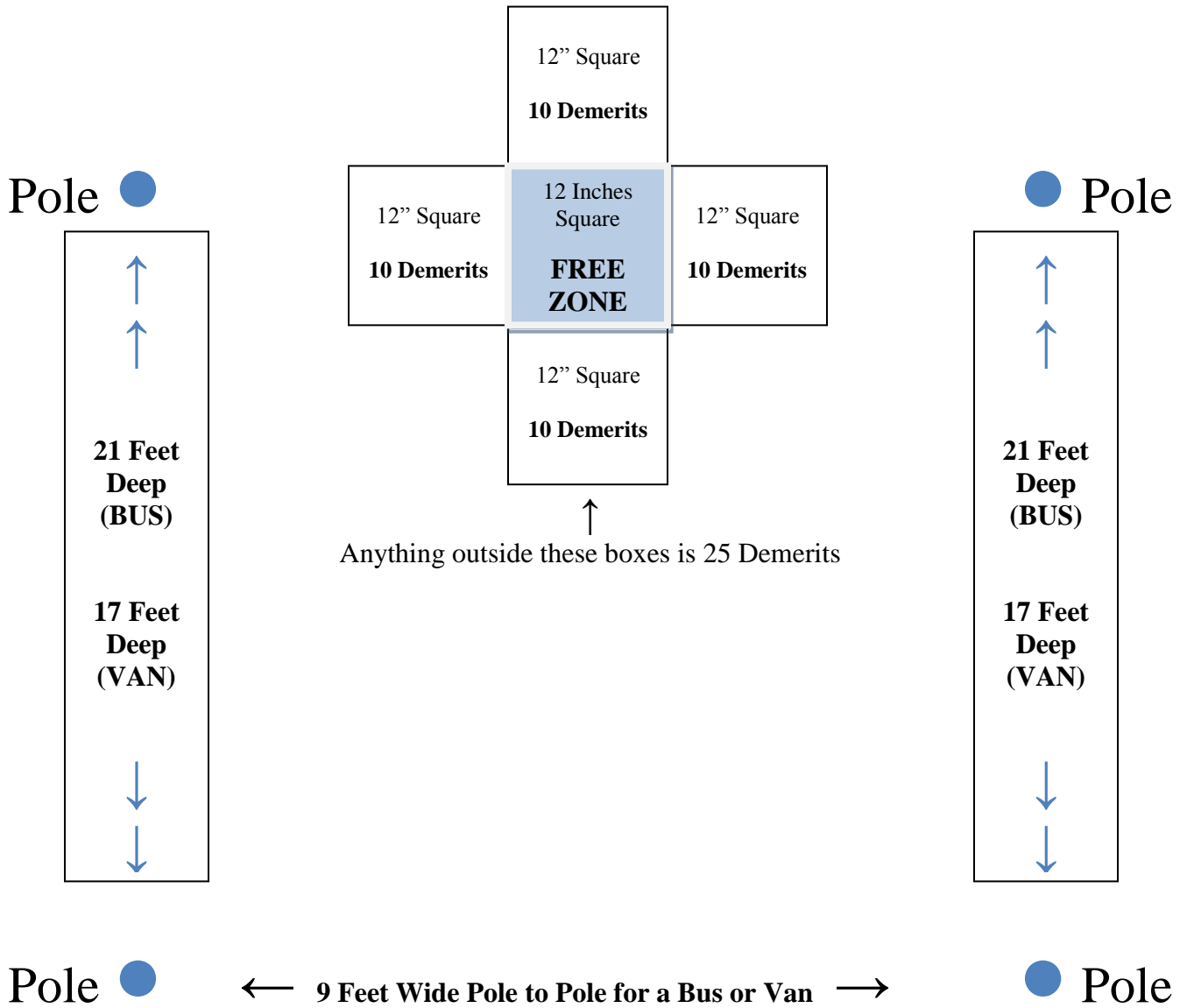
PENALTIES WILL BE ASSESSED AS FOLLOWS:

Tire went over the Wheel Limitation Line	25 demerits
Hit front stanchions	25 demerits
More than 12" forward or behind the Free Zone	25 demerits
Forward or behind the Free Zone by 12" or less	10 demerits
More than 12" left or right of the Free Zone	25 demerits
Left or right of the Free Zone by 12" or less	10 demerits
Failure to park bus and sound horn	10 demerits
Hit Rear Stanchions	25 demerits
Failed to secure vehicle (van parked, large bus air brakes & neutral)	15 demerits
Hit stanchions leaving dock	25 demerits

MATERIALS NEEDED:

- ✓ Rear line (rope or painted)
- ✓ Four corner pylons – 10 feet tall

Alley Dock Layout



Limit Line - Length of the vehicle plus 10 feet from the Front Stanchion

Alley Dock Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

Place a check mark in the box for each infraction.

Tire Over Wheel Limitation Line Twenty-Five (25) Demerits _____

Hit Front Stanchions Twenty-Five (25) Demerits _____

More than 12" forward or
behind the Free Zone Twenty-Five (25) Demerits _____

Forward or behind the
Free Zone by 12" or less Ten (10) Demerits _____

More than 12" left or right
of the Free Zone Twenty-Five (25) Demerits _____

Left or right of the
Free Zone by 12" or less Ten (10) Demerits _____

Failure to park bus and sound horn Ten (10) Demerits _____

Hit Rear Stanchions. Twenty-Five (25) Demerits _____

Failed to Secure Vehicle
Van in Park or
Large Bus Air Brake & Neutral Fifteen (15) Demerits _____

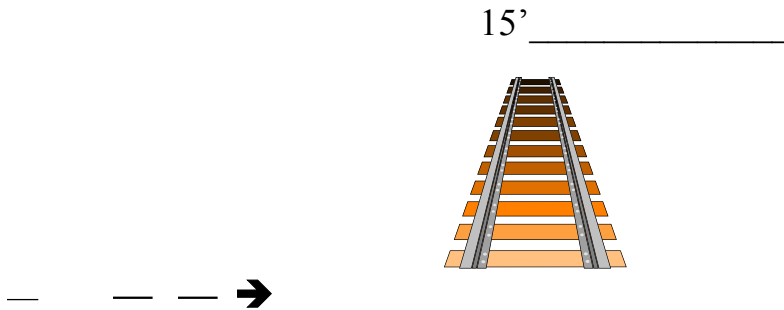
Hit Stanchions Leaving Dock Twenty-Five (25) Demerits _____

Maximum Score: 25 Points
Minus Total Demerits: _____

FINAL SCORE: _____

Railroad Crossing

MAXIMUM SCORE: 20 POINTS



The Railroad Crossing represents one of the greatest hazards in so far as mass casualties or fatalities are concerned. This test is to evaluate the driver's degree of care and their knowledge of laws, rules, and regulations when required to operate a school bus across Railroad Tracks.

SCORING:

Everything required of a driver will be judged from the time the contestant approaches the crossing until they reach the other side of the crossing. They will be checked on their use of directional signals, mirrors, stopping the bus, opening the driver's window, opening the door, checking the track, driving across the Railroad Tracks and stopping beyond 15' of closest rail. While most violations charged in this and other tests are violations of fixed laws and regulations, some are based on generally accepted safe driving procedures. Points will be deducted if contestant does not open door.

PENALTIES WILL BE ASSESSED: TWO (2) DEMERITS WILL BE GIVEN FOR ANY OF THE FOLLOWING VIOLATIONS:

- Failure to stay to the right side of the road
- Failure to stop front of bus between 15 feet and 50 feet of nearest rail
- Failure to look - *Must actually move head from side to side*
- Failure to listen - *Must have window open on driver's side and must have door open*
- Improper use of the school bus flashing lights
- Failure to keep bus halted until cross arms are in rest position and red flashing lights have shut off
- Failure to stop rear of bus 15' beyond closest rail.

INSTRUCTIONS:

- Roadway with set of parallel Railroad Tracks
- Place railroad sign in position on right side of highway

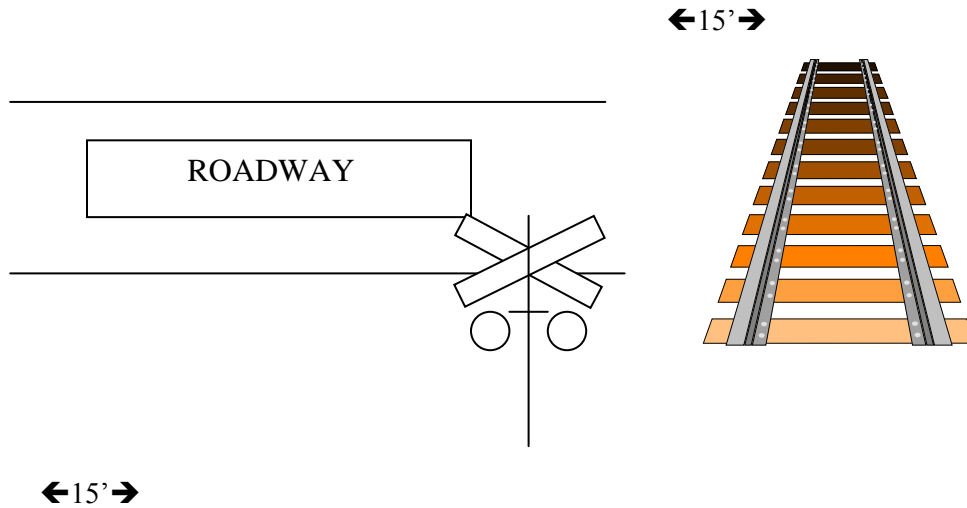
MATERIALS NEEDED:

- ✓ One (1) simulated Railroad Tracks (Paint, hose, rope, etc.)
- ✓ One (1) Railroad Sign

Railroad Crossing Layout

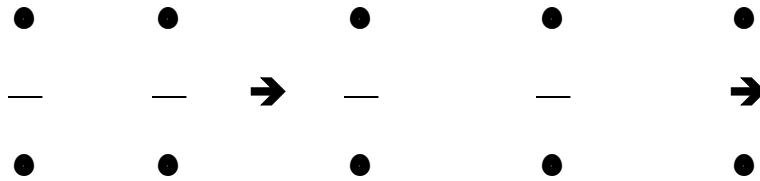
DIMENSIONS:

The first measurement required here is for the judge to know where 15' to 50' of the nearest rail is. The second measurement here is for the judge to know where 15' on the other side of the track is so it can be noted when the rear of the bus passes it.



Straight Line

MAXIMUM SCORE: 25 POINTS



Contestant is required to drive the vehicle so that all right wheels, front and rear, pass between two (2) rows of tennis balls without touching any of the balls.

PENALTIES WILL BE ASSESSED AS FOLLOWS:

- Four (4) demerits for each touch
- One (1) demerit for each stop including the approach
- No score in the event if the contestant passes completely around any or all of the balls

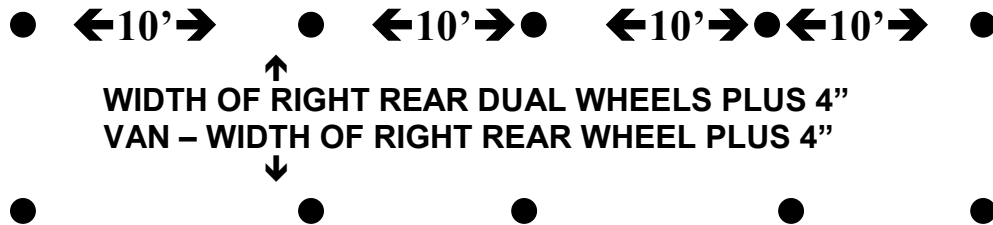
SET UP DIRECTIONS:

- The width between the balls will equal the width of right rear dual wheels plus four (4) inches
- Each set of balls are to be ten (10) feet apart
- Tennis or sponge balls threaded to two (2) inch diameter water hose with string to keep from running after balls when they are hit. Each hose should be two and one half (2 ½) inches long
- Heavy duty fishing line to attach balls to radiator hose

MATERIALS NEEDED:

- ✓ 10 Sponge or tennis balls
- ✓ 10 Pieces radiator or similar type hose 2 ½" long
- ✓ Heavy duty line

Straight Line Layout



DIMENSIONS:

- The width between the balls will equal the width of right rear dual wheels plus four (4) inches
- Each set of balls is to be ten (10) feet apart
- Tennis or sponge balls should be threaded to 2 ½" diameter heater hose with string to keep them from rolling when they are hit

Straight Line Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

Place a check mark in the box for each infraction.

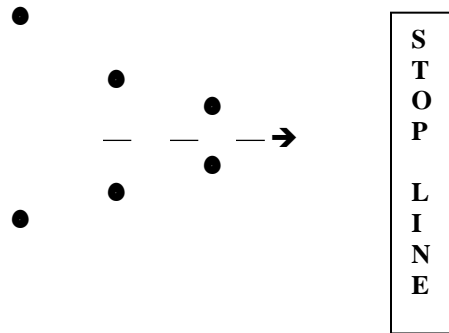
Touch	Four (4) Demerits	<input type="checkbox"/> _____
Touch	Four (4) Demerits	<input type="checkbox"/> _____
Touch	Four (4) Demerits	<input type="checkbox"/> _____
Touch	Four (4) Demerits	<input type="checkbox"/> _____
Touch	Four (4) Demerits	<input type="checkbox"/> _____
Stop	One (1) Demerit	<input type="checkbox"/> _____
Stop	One (1) Demerit	<input type="checkbox"/> _____
Stop	One (1) Demerit	<input type="checkbox"/> _____
Stop	One (1) Demerit	<input type="checkbox"/> _____
Stop	One (1) Demerit	<input type="checkbox"/> _____
Passed completely around problem	Twenty-five (25) Demerits	<input type="checkbox"/> _____

Maximum Score: 25 Points
Minus Total Demerits: _____

FINAL SCORE: _____

Diminishing Clearance and Stop Line

MAXIMUM SCORE: 25 POINTS



Contestant must move through an ever-narrowing alley with continuous motion and then bring the bus to a smooth stop as close to the stop line as possible.

PENALTIES WILL BE ASSESSED AS FOLLOWS:

- Four (4) demerits for each touch during the diminishing clearance
- Four (4) demerits for three (3) to six (6) inches from stop line to a piece of tape located in the center of the bumper
- Eight (8) demerits for six (6) to nine (9) inches from stop line to a piece of tape located in the center of the bumper.

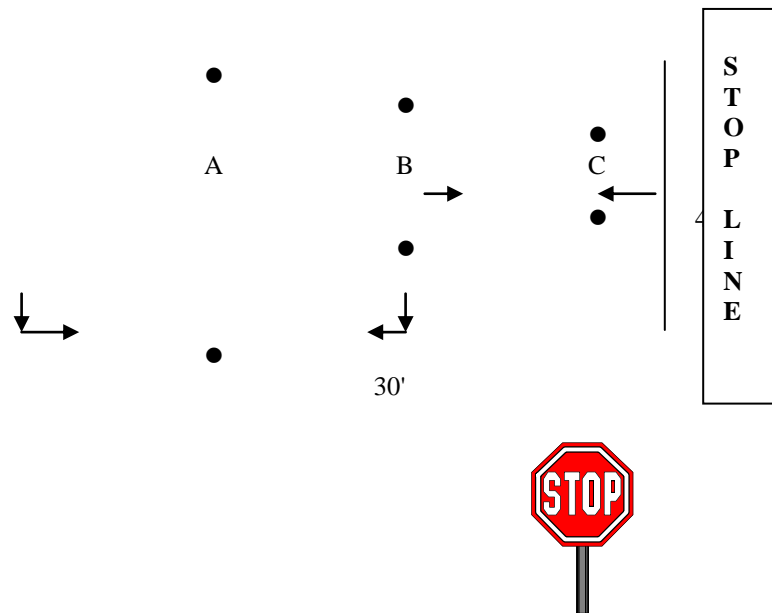
SETUP INSTRUCTIONS:

- The barriers will be placed so that three (3) will be on one side and three (3) on the other side.
- The total distance from the first hurdle to the third hurdle will be thirty (30) feet.
- The distance between the first pair, side to side, will be six (6) inches plus the width of the bus.
- The second pair will diminish to four (4) inches plus the width of the bus.
- The last pair will diminish to two (2) inches plus the width of the bus.
- An “L” shaped measuring stick will be used to measure the distance of the bumper to the Stop Line.

MATERIALS NEEDED:

- ✓ Six (6) barriers
- ✓ One (1) Stop Line
- ✓ One (1) “L” shaped measuring stick

Diminishing Clearance and Stop Line Layout



DIMENSIONS:

The barriers will be set in three (3) pairs and applies to Conventional, Transit and Vans

A = Width of vehicle plus 6"

B = Width of vehicle plus 4"

C = Width of vehicle plus 2"

Stop Line is located by measuring forty (40) feet from "C"

Distance between each hurdle = 15 feet

Parallel Parking

MAXIMUM SCORE: 25 POINTS

PURPOSE OF TEST:

This event is designed to evaluate the contestant's ability to park the bus parallel to a 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 contestant's ability to drive the bus out of the parking area without touching the barriers or the curb.

INSTRUCTIONS

A section of rope will represent the curb, unless a natural curb is available. 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 the length of the bus plus seven feet.

A measurement will be made to determine how close the bus is parked to the curb line, and for determining the number of demerits to be charged. The contestant is allowed one attempt and enters the obstacle when the front bumper of the bus first passes the rear barrier of approach. The contestant must have the bus parked, set parking brake, and sound the horn.

Backing in: The contestant will be permitted to back up into the obstacle and pull up one time before demerits are charged.

Pulling out: The contestant will be permitted to back up once to allow room to pull out, before demerits are charged. Scoring will be based on the method in which the driver enters and exits a stall.

Approaching and entering the Parking Zone

Failure to activate 4-ways approaching obstacle	10 demerits
Failure to use right turn signal before entering	10 demerits
Bus touching front or rear barrier at any time	25 demerits
Bus touching curb with tire	25 demerits
Failure to park the bus, set parking brake and sound the horn	10 demerits
Front tire greater than 18" from curb	10 demerits

Exiting the Parking Zone:

Failure to use left turn signal	10 demerits
Bus touching front or rear barrier at any time	25 demerits
Bus touching curb with tire	25 demerits
Failure to complete event	25 demerits

Parallel Parking Layout

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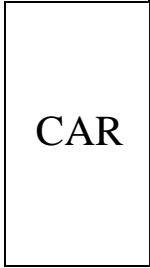
Mark a spot 18" from curb near front tire for easy judging.

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2

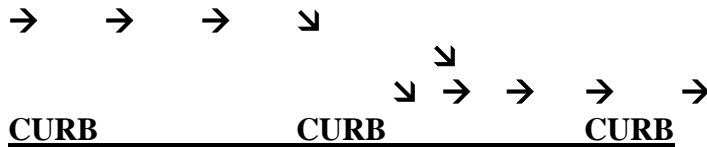
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Student Unloading

MAXIMUM SCORE: 25 POINTS



The contestants will be evaluated on their ability and alertness, checking such items as proper use of directional signals, mirrors, and school bus flashers. The contestant **MUST** instruct the student to walk ten (10) feet in front of the bus and wait for the signal to cross.

PENALTIES WILL BE ASSESSED: TWO (2) DEMERITS FOR VIOLATIONS AS FOLLOWS:

- Failure to activate school bus amber lights
- Failure to check traffic before opening door
- Failure to put transmission in neutral and apply parking brake (large bus), or to put in park (van)
- Failure to instruct student to walk ten (10) feet in front of bus and wait for signal to cross
- Failure to check mirrors including crossover before signaling student to cross

FIVE (5) DEMERITS FOR THE FOLLOWING VIOLATIONS:

- If bus rolls during actual unloading
- If contestant fails to wait for student to reach opposite side of the road before moving
- Failure to give student the Universal Signal to cross

SETUP INSTRUCTIONS:

- As described above

MATERIALS NEEDED:

- ✓ One (1) school bus crossing sign or object to represent student, curb, or simulation; Wood, paint, etc.
- ✓ Student to wear vest

Student Unloading Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

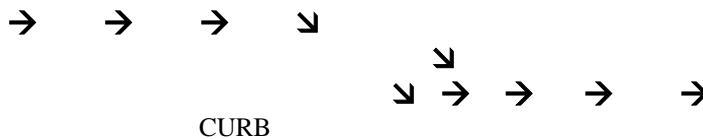
VEHICLE TYPE: BUS VAN TRANSIT

Place a check mark in the box for each infraction.

- | | | | |
|---|-------------------|--------------------------|-------|
| Failure to activate school bus amber lights | Two (2) Demerits | <input type="checkbox"/> | _____ |
| Failed to check traffic before opening door | Two (2) Demerits | <input type="checkbox"/> | _____ |
| Failed to put transmission in neutral | Two (2) Demerits | <input type="checkbox"/> | _____ |
| Failure to apply parking brake (large Bus) or put bus in park (van) | Two (2) Demerits | <input type="checkbox"/> | _____ |
| Failed to instruct student to walk ten (10) feet in front of bus and wait for signal to cross | Two (2) Demerits | <input type="checkbox"/> | _____ |
| Failed to check mirrors including crossover before signaling to cross | Two (2) Demerits | <input type="checkbox"/> | _____ |
| If bus rolls during actual unloading | Ten (10) Demerits | <input type="checkbox"/> | _____ |
| If contestant fails to wait for student to reach the opposite side of the road before moving | Ten (10) Demerits | <input type="checkbox"/> | _____ |
| If driver fails to give the Universal Crossing signal | Ten (10) Demerits | <input type="checkbox"/> | _____ |

Maximum Score: 25 Points
 Minus Total Demerits: _____

FINAL SCORE: _____



K-Turn

MAXIMUM SCORE: 25 POINTS

PURPOSE OF TEST:

The contestants will be evaluated on their ability to turn the bus around. Contestants must negotiate the problem using proper lane position, directional signals, mirrors, horn, and school bus flashers. Please note that the judges will act as safety backers outside the vehicle. The contestant does not have to get out and check behind the vehicle.

PENALTIES WILL BE ASSESSED: TEN (10) DEMERITS FOR VIOLATIONS AS FOLLOWS:

- Failing to activate the right directional signal and pull to the right side of the lane during the approach
- Failing to activate the left directional signal to proceed across road
- Failing to activate the 4-Way Flashers before backing
- Failing to sound the horn before backing
- Failing to check the mirrors before backing
- Failing to turn off 4-Way Flashers when pulling ahead

TWENTY-FIVE (25) DEMERITS FOR THE FOLLOWING VIOLATIONS:

- The contestant backs up more than one time
- If a tire touches any curb

K-Turn Score Sheet

CONTESTANT NUMBER: _____

JUDGE: _____

VEHICLE TYPE: BUS VAN TRANSIT

Place a check mark in the box for each infraction.

Please note that the judges will act as safety backers outside the vehicle. The driver does not have to get out and check behind the vehicle.

While Approaching & Entering K-Turn:

Failure to activate right directional signal and pull to the right side of the lane (Before Entering obstacle) Ten (10) Demerits _____

Failure to activate left directional signal to proceed across roadway Ten (10) Demerits _____

Failure to activate 4-Way Flashers before backing Ten (10) Demerits _____

Failure to sound horn before backing Ten (10) Demerits _____

Failure to check mirrors before backing Ten (10) Demerits _____

While Exiting K-Turn:

Failure to turn off 4-Way Flashers when pulling ahead Ten (10) Demerits _____

If at any time during this obstacle:

The contestant backs up more than once Twenty-five (25) Demerits _____

A Tire touches any curb Twenty-five (25) Demerits _____

Maximum Score: 25 Points
Minus Total Demerits: _____

FINAL SCORE: _____

Surprise Event & Score Sheet

The Surprise Event will be determined by the Road-EO Committee. This is a Pass / Fail event where the contestant will receive either 20 full points or no points.

Contestant Passed

Zero (0) Demerits _____

Contestant Failed

Twenty (20) Demerits _____

Maximum Score: 20 Points
Minus Total Demerits: _____

FINAL SCORE: _____