

# Highlands Ranch Law Enforcement Training Academy



## Law Enforcement Driving Skills Training Program

**8500 N. Moore Rd. Littleton, CO 80125**

### Cumulative Skills Evaluation Course

The purpose of the Cumulative Skills Evaluation (CSE) course is to determine the physical ability and overall understanding of cadets on the final day of their Law Enforcement Driving Skills Program during a Basic and Reserve Academies.

The CSE course is set at the Douglas County Sheriff's Office's EVOC track on Skills Pad A. The CSE is marked on Skills Pad A with a 'RED' dot marker. The Cumulative Skills Evaluation is comprised of a combination of sixteen Colorado Peace Officer Standards and Training (POST) and International Association of Directors of Law Enforcement Standards and Training (IADLEST) training exercises. These exercises have lane dimensions that are measured from the inside foot of a cone to the inside foot of the corresponding cone, and not the center of the cone. Eighteen-inch traffic cones have been used in all of the exercises, with a few exceptions that will be indicated in the description.

The CSE will be administered as a required practical test-out on the final day of the Basic and Reserve Academies for the Law Enforcement Driving Training Program curriculum. This test will be a pass or fail. Each of the required POST blocks are contained within the course. Each cadet must meet the requirements for the blocks through the CSE to obtain a pass.

The CSE will be timed. The time of 100% on the course is an average of 2:48. The passing time for the course will be 70% of 2:48 at 3:50. In the event that a cadet strikes a cone, they are to stop their vehicle, activate their overhead lights, and place the cone back on the marker. They must properly apply their safety belts prior to moving the vehicle again. Their time will not stop while they are stopped to reset the downed cone.

# Skills Training Stations

The CSE has the ability to be split into three separate training stations to give cadets the opportunity to practice and enhance their skills, prior to testing in the CSE.

## Training Station One

Training Station One will be comprised of exercises #1 through #5. Once the driver has completed the Keyhole Turn, they will exit around the Keyhole Turn exercise and travel southbound past the white fog line and then turn west to return to staging. The driver shall not exceed 20 MPH upon the return to staging.

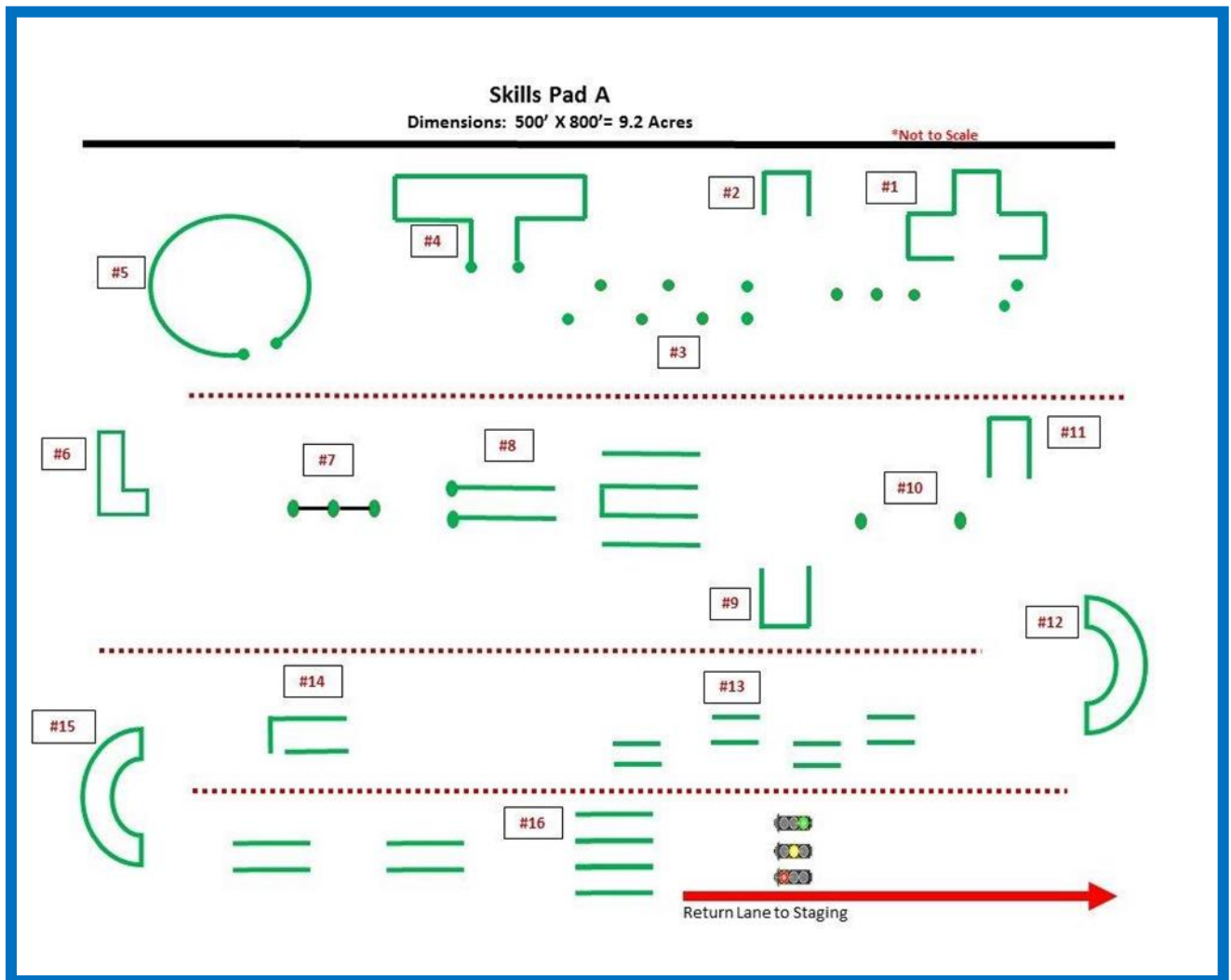
## Training Station Two

Training Station Two will be comprised of exercises #6 through #11. Once the driver has completed the Perpendicular Parking Backing box the driver will turn left out of the box and they will return east bound on the south side of the exercises in Training Station Two. The driver shall not exceed 20 MPH upon the return to staging.

## Training Station Three

Training Station Three will be comprised of exercises #12 through #16. Once the driver has completed the Perception/Reaction they will turn to the right and proceed past the light devices and travel back to the staging area designated before #12. The driver shall not exceed 20 MPH upon the return to staging.

Each exercise shows a corresponding number in the diagram.

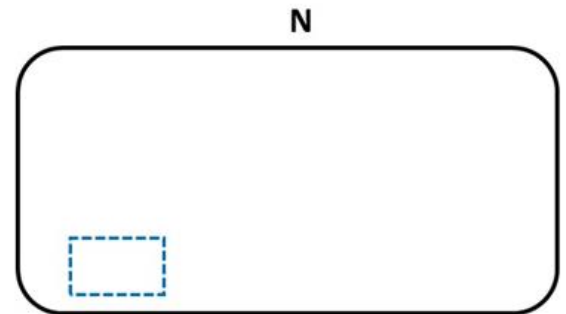
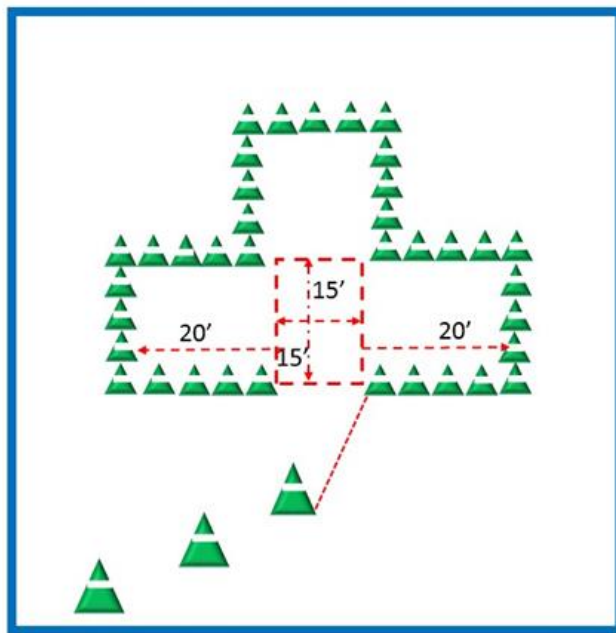


The detailed description of each exercise in sequential order is as follows:

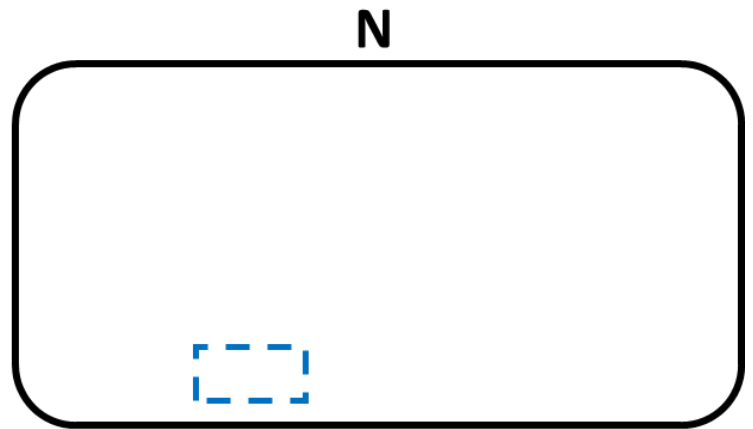
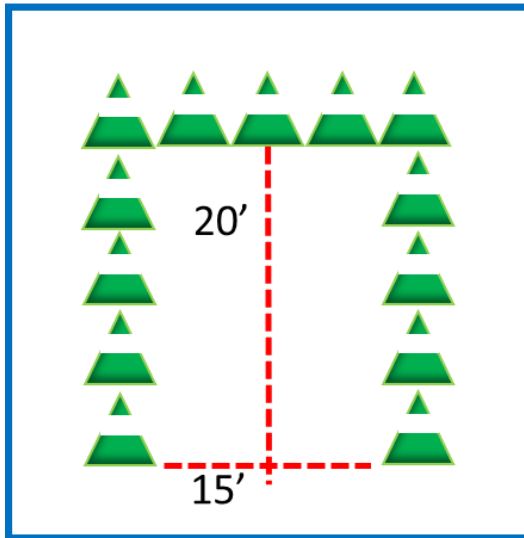
1. POST Turnabout-This exercise provides training and evaluation in regards to a moving vehicle's dynamics as it relates to fixed objects. This exercise assists the driver in developing the ability to judge the vehicle's parameters in confined spaces, cornering space, and the driver's perception and judgment while operating the vehicle. The driver must complete the maneuver in 60 seconds without moving a single cone.

\*POST Turnabout exercise meets the testing requirement for a low-speed driving course that includes backing through a cone pattern 150 feet in length and demonstrating left and right pattern through a curved course.

\*28' cones are utilized for the reverse serpentine

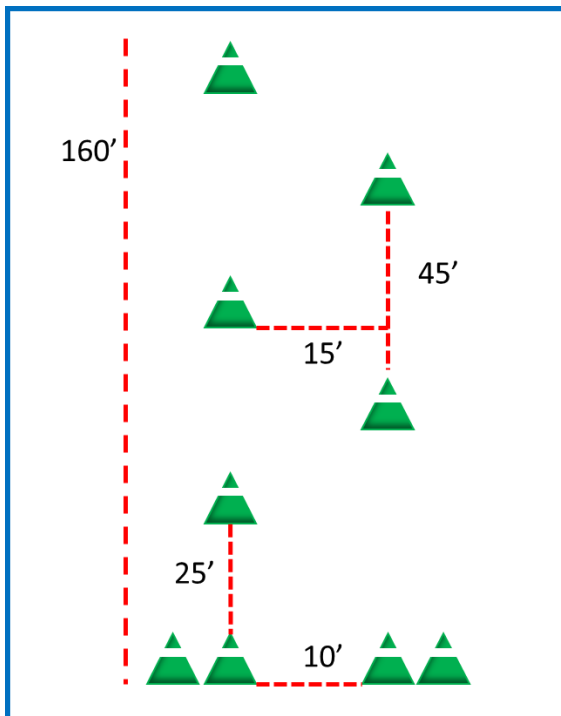


2. IADLEST Perpendicular Parking Backing-This exercise helps develop skill in backing a vehicle into a stall, while controlling front end swing and recognizing the relationship of the vehicle to fixed objects. This exercise allows the driver to turn out of the parking area in a forward motion for proper positioning and set-up in the following exercise.

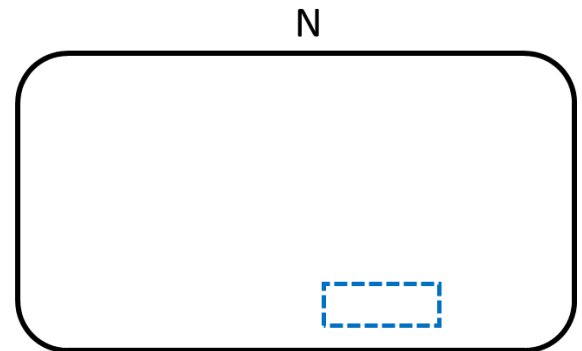
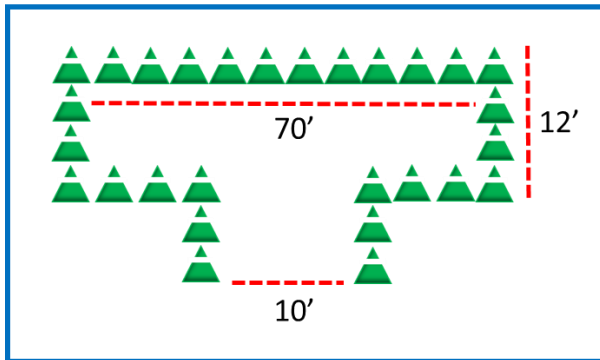


3. IADLEST Shuffle Exercise-This exercise develops the basic skills of coordinating acceleration, timing of steering movements, and the use of the shuffle hand positioning. It also develops the ability to judge the relationship of fixed objects to the vehicle.

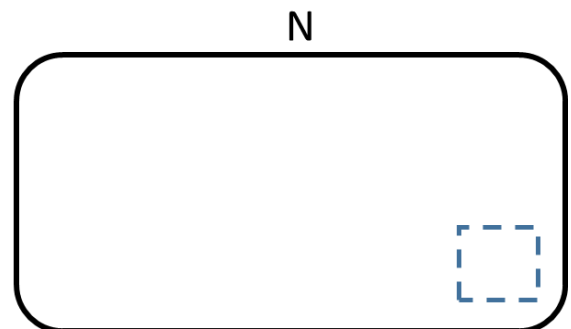
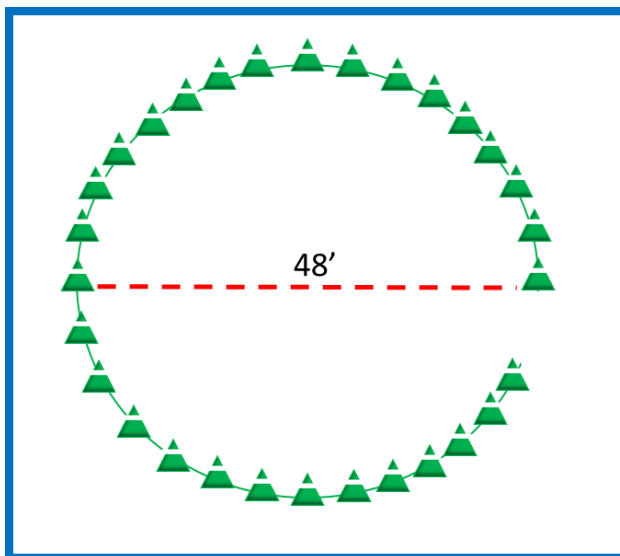
This exercise does not simulate a real world situation. It develops the skills for use in other exercises and gives the driver the opportunity to become familiar with how the vehicle handles and to build confidence. This exercise is a variation of the serpentine except that the curves are more exaggerated.



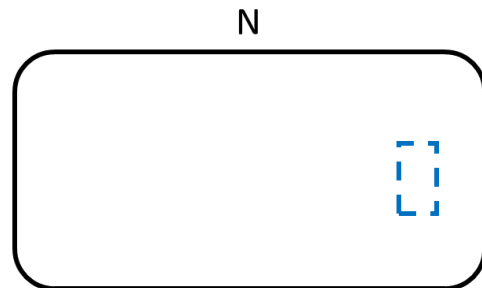
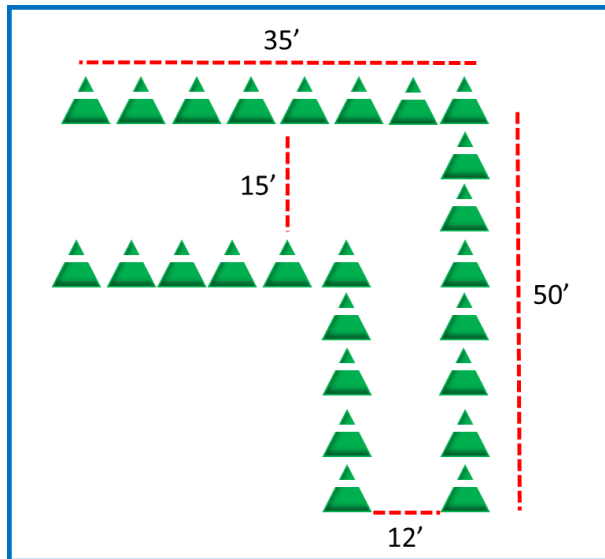
4. T-Turn Box-This exercise develops the skill to maneuver the vehicle in relation to fixed objects. It assists with developing the ability to judge the vehicle's parameters in confined spaces, cornering of the vehicle and the driver's perception and judgement while operating the vehicle. It provides seventy feet of straight-line backing.



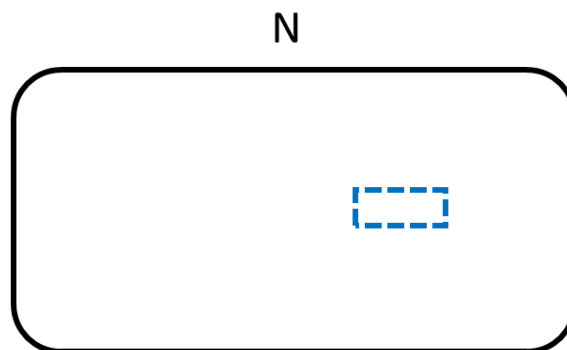
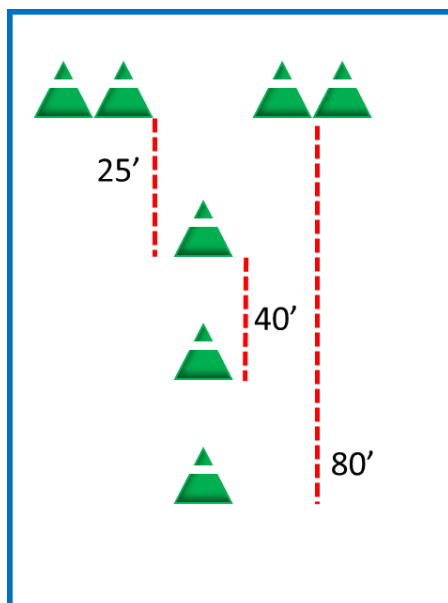
5. Keyhole Turn-This maneuver helps develop the understanding and application of throttle control and deceleration while turning the vehicle. It assists the driver with recognizing vehicle parameters in relation to fixed objects and enhances the driver's abilities in perception and judgement.



6. POST 90 Degree Turn-This exercise is a vehicle control maneuver that requires proper timing of braking and steering techniques. This assists with understanding vehicle parameters in relation to fixed objects.

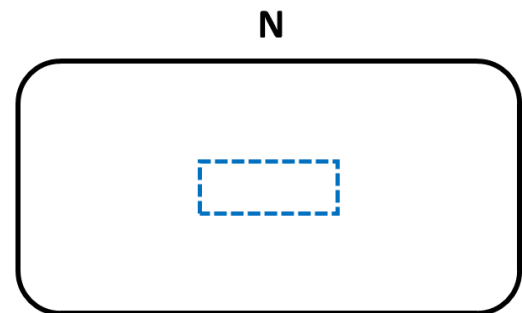
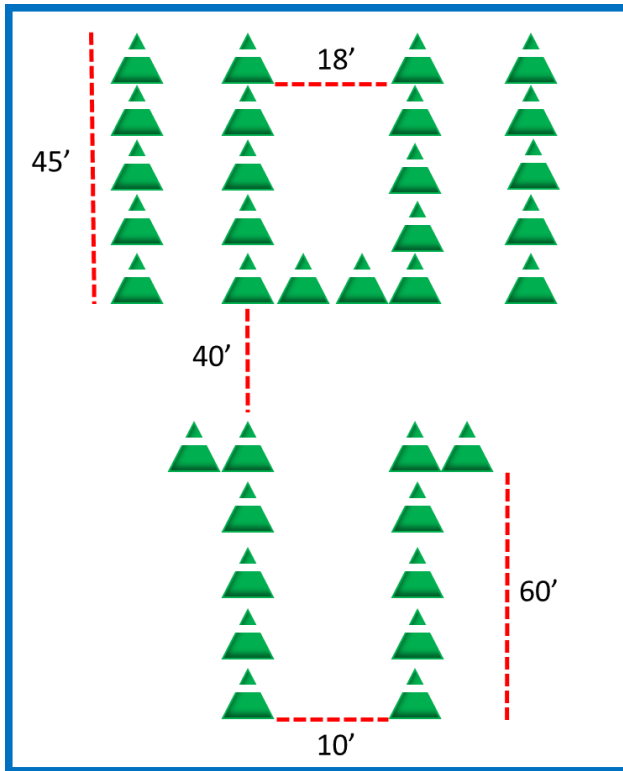


7. IADLEST Forward Serpentine-This develops the basic skills of coordinating acceleration, timing of steering movements, and the use of the 9-3/8-4 or the shuffle steering hand positioning. It helps to develop the ability to judge the relationship of fixed objects to the vehicle.

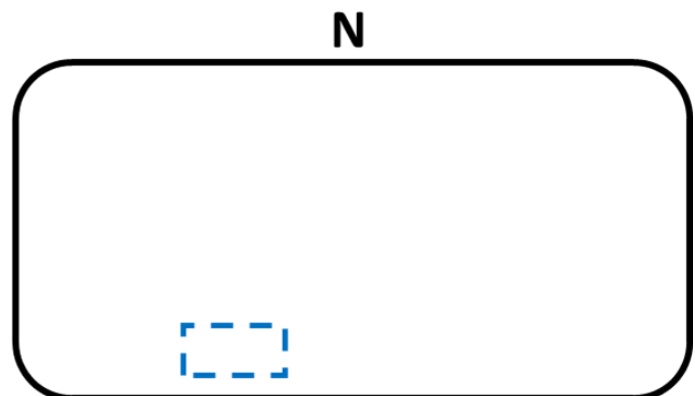
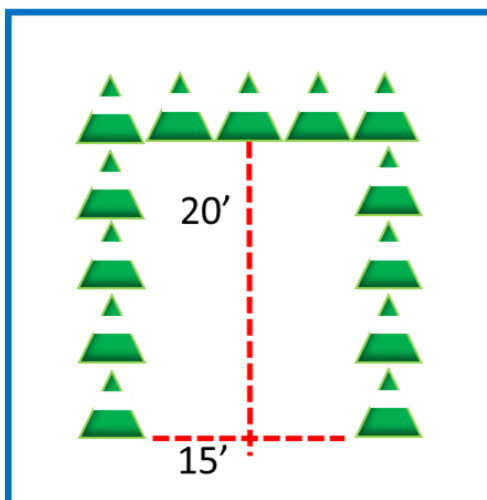




8. IADLEST Evasive Steering-This exercise simulates being confronted with a sudden obstacle. The purpose of this exercise is to make the driver cognizant of the alternating to braking steering and to experience the feel of the vehicle's maneuverability and stability. The driver also becomes aware of personal capabilities and limitations.

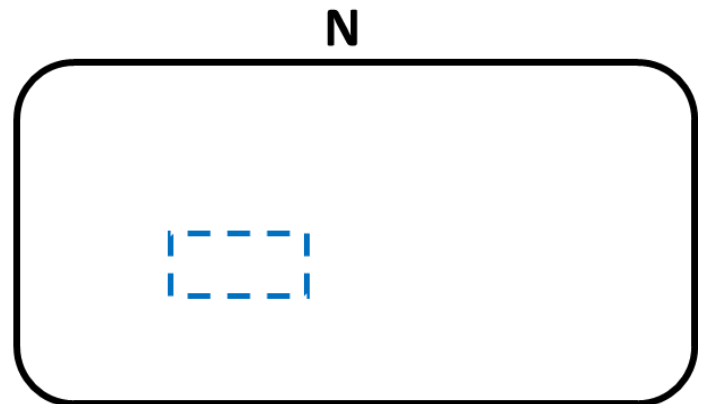
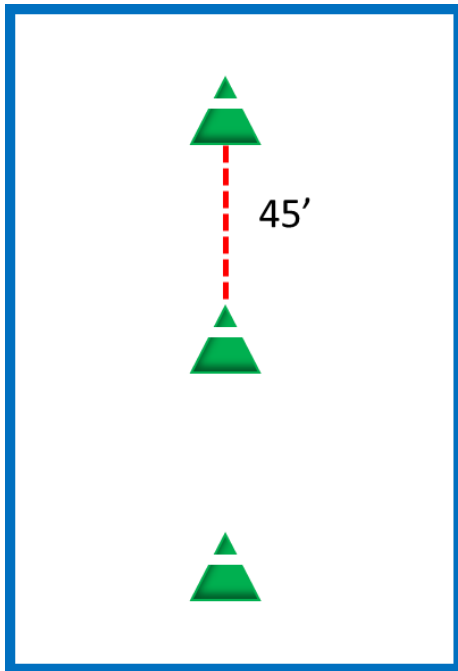


9. IADLEST Perpendicular Parking Forward-This exercise helps develop recognition of the turning radius of a vehicle, accelerator and steering control, shuffle steer and the relationship of a vehicle to fixed objects.

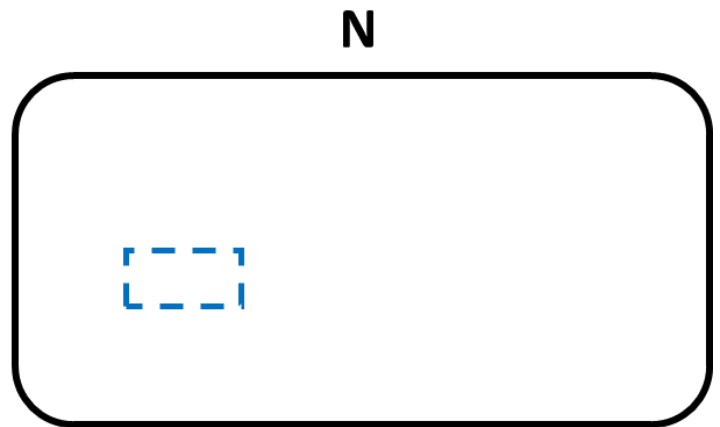
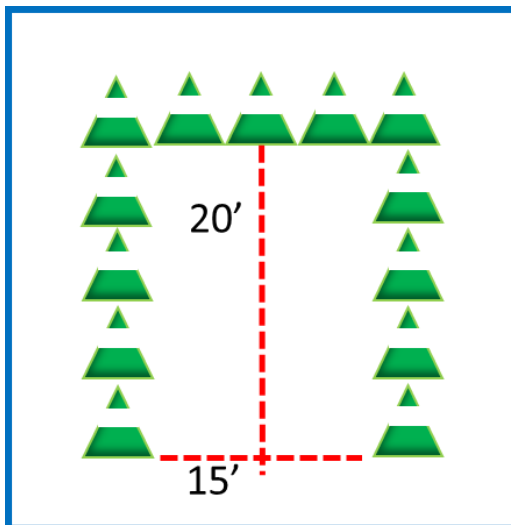


10. IADLEST Reverse Serpentine-This exercise develops the basic skills of coordinating acceleration, timing of steering movements, and the use of the palm hand positioning. It also develops the ability to judge the relationship of fixed objects to the vehicle and to control front end swing.

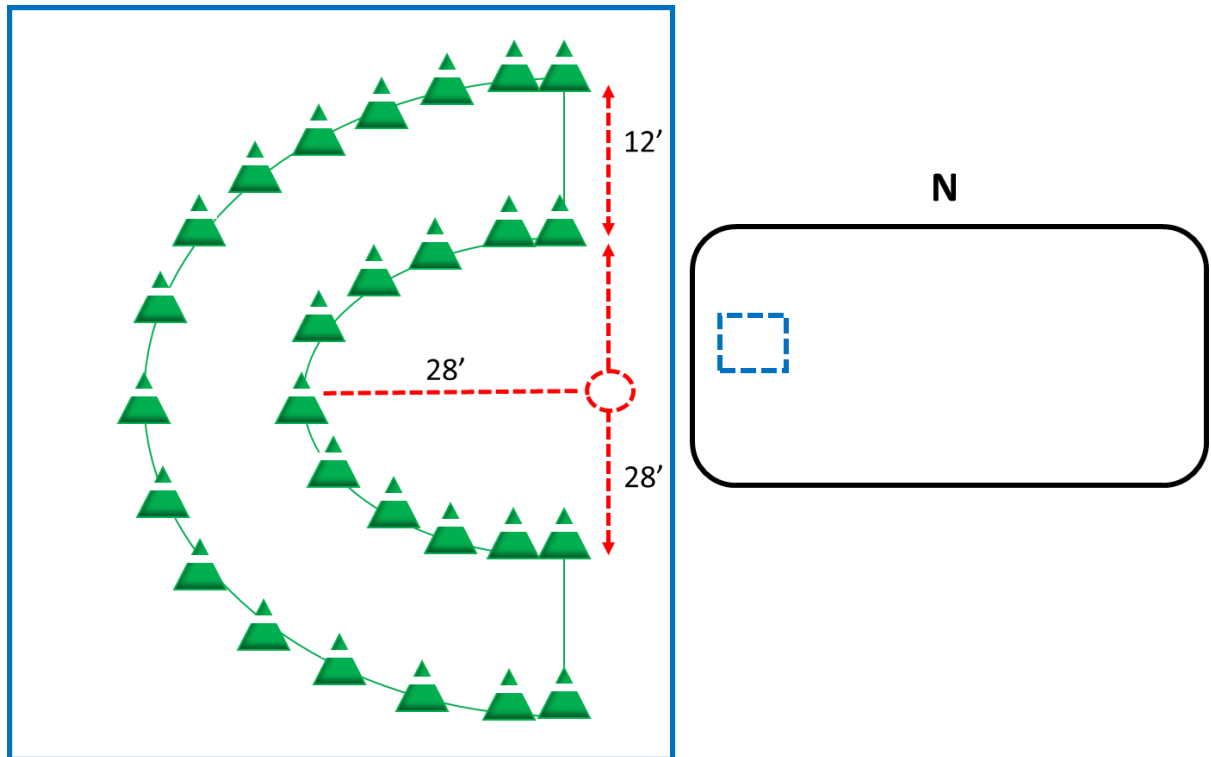
\*28' cones are used for reverse serpentine



11. IADLEST Perpendicular Parking Backing-This exercise helps develop skill in backing a vehicle into a stall controlling front end swing and recognizing the relationship of the vehicle to fixed objects. This exercise allows the driver to turn out of the parking area in a forward motion for proper positioning and set-up in the following exercise.

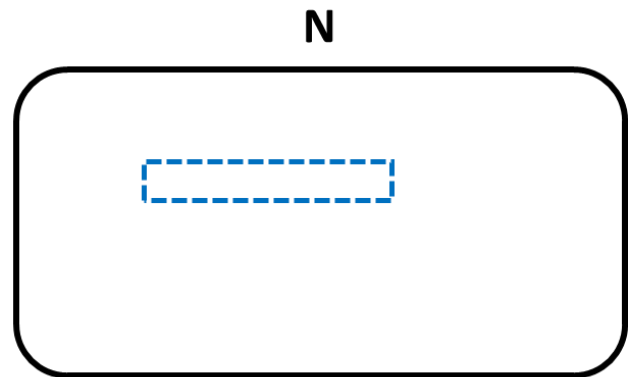
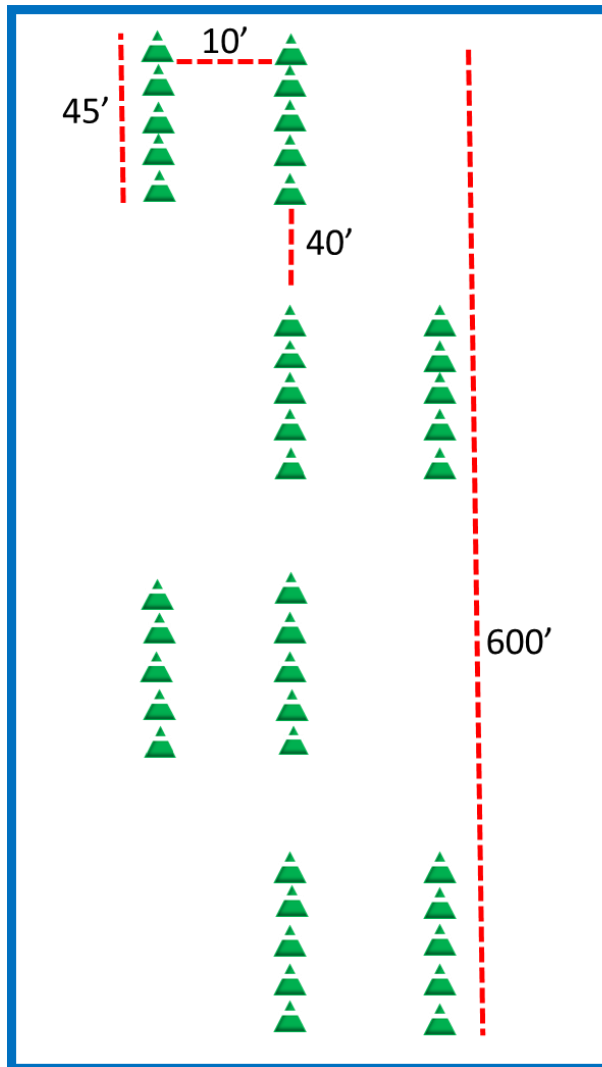


12. POST 180 Degree Turn-This exercise is a vehicle control maneuver that requires proper steering techniques and the use of the curve apex while negotiating turns. This develops coordination of acceleration, turning and judgment of the lane width. The driver must enter at a speed of 20 MPH and maintain speed through the curve without moving a single cone.

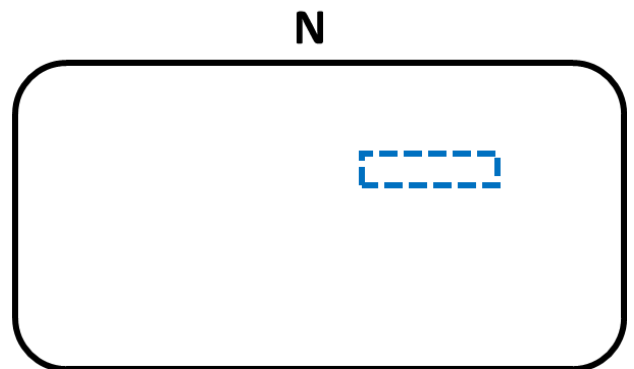
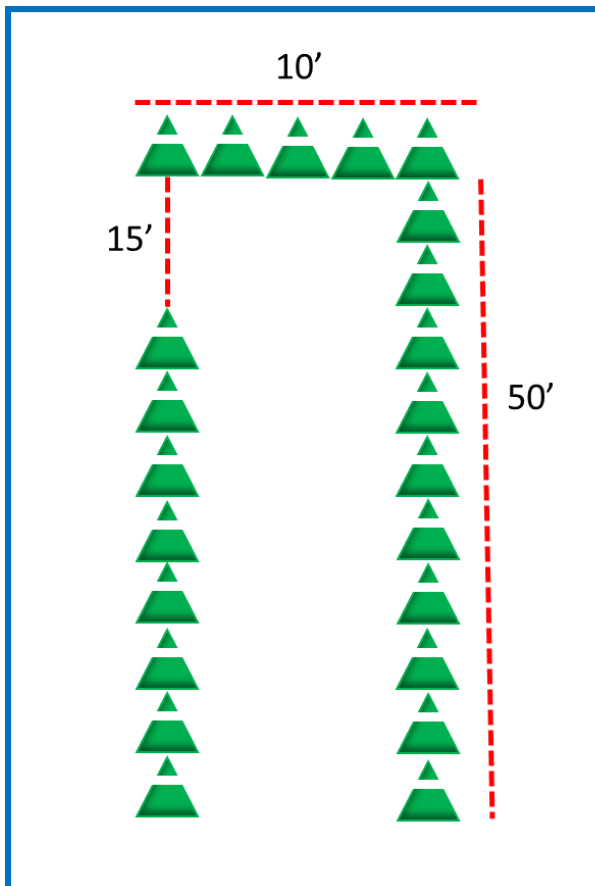


13. POST Lane Change-This exercise develops confidence in controlling the vehicle and to experience vehicle stability. The exercise assists in developing coordination of steering and acceleration as well as the recognition of the relationship of fixed objects with respect to the vehicle. The driver must enter at a speed of 40 MPH and smoothly navigate the vehicle through the course.

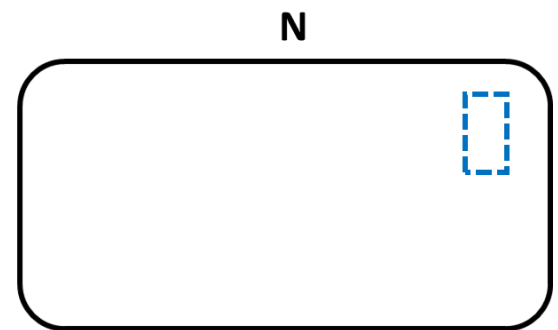
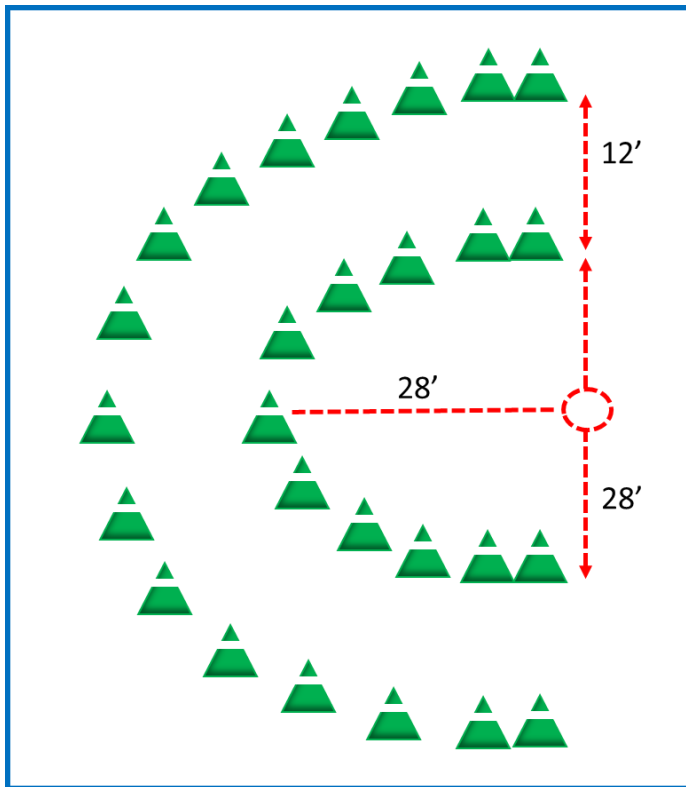
\*Meets testing requirements of a high-speed lane change at 40 to 45 MPH- braking pressure.



14. IADLEST Threshold Braking-This exercise develops the skill in achieving and maintaining maximum braking pressure.

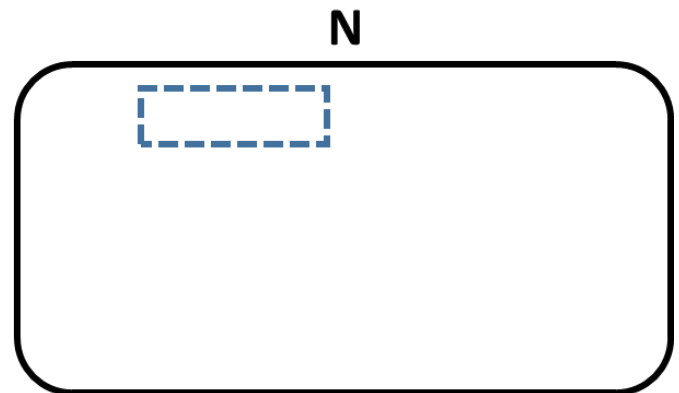
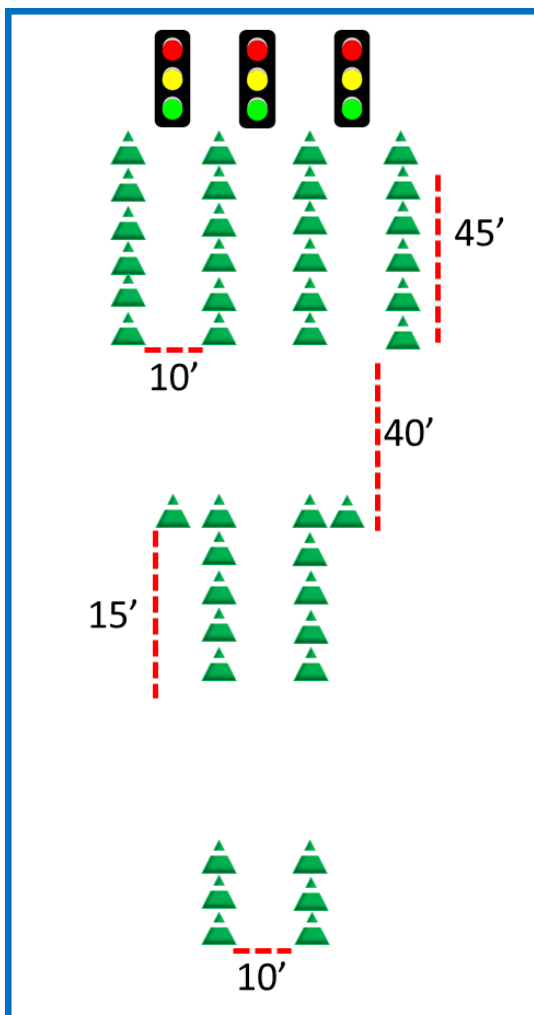


15. POST 180 Degree Turn-This exercise is a vehicle control maneuver that requires proper steering techniques and the use of the curve apex while negotiating turns. This develops coordination of acceleration, turning and judgment of the lane width. The driver must enter at a speed of 20 MPH and maintain speed through the curve without moving a single cone.



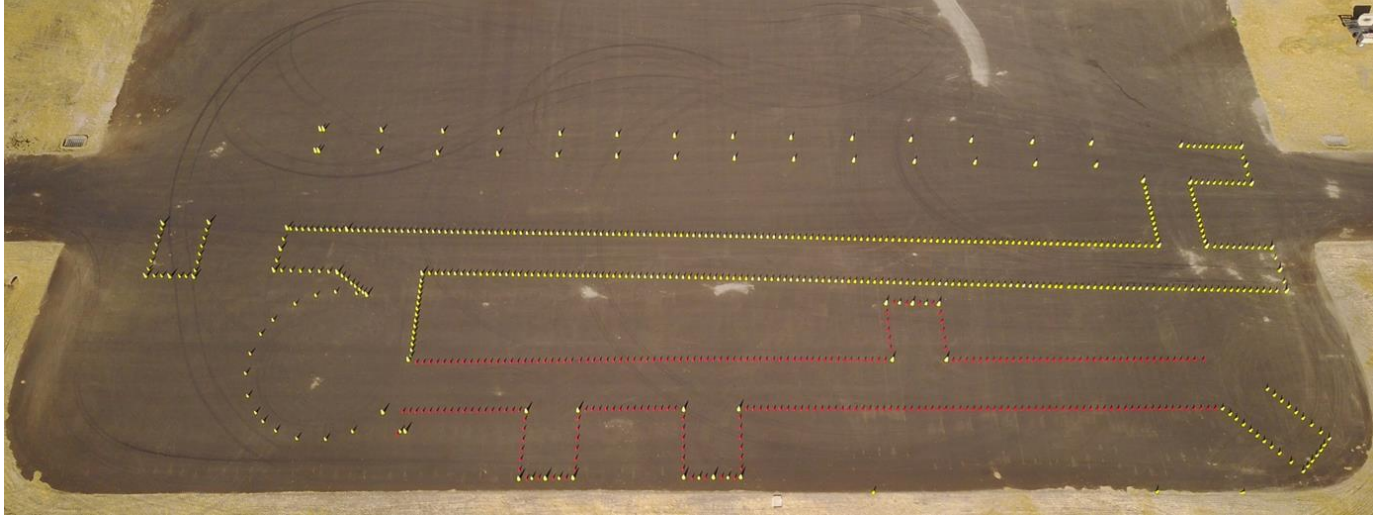
16. POST Perception/Reaction-The exercise is a three lane perception/reaction course which provides an electronic light system for a visual cue for the driver to make a lane selection. The purpose of this exercise is to make the driver cognizant of the alternating to braking steering and to experience the feel of the vehicle's maneuverability and stability. The driver also becomes aware of personal capabilities and limitations. The driver must enter at a speed of 30 MPH with proper lane selection without moving a single cone.

\*Meets the three-lane perception/reaction to be done under normal driving conditions (minimum speed-30 MPH). Electronic lights are used as a visual indicator for lane selection.



## Training Station Four

Training Station Four will be located on Skills Pad B. The exercise is a variation of Dean's Dilemma. Dean's Dilemma is an exercise that helps develop precise forward and backing control of the vehicle in confined space, coordination and timing of throttle control and braking and develops skills in backing a vehicle using mirrors to judge rear and side clearance.





## Training Station Five

Training Station Five will be located on the Driving Course (outside road track) portion of the EVOC track. It will be comprised of multi-POST and IADLEST exercises.

\*Photo taken from the South East corner of the track.



\*Photo taken from the North East corner of the track



The exercises that will be utilized will be changing dependent upon the practical skills focus for that day. The Driving Course will be used to learn and understand the concepts of apexing, lane discipline versus “white-line to white-line,” straight line backing and castor steering. The exercises that may be included throughout the course of the program will be:

- IADLEST Forward Serpentine
- IADLEST Reverse Serpentine
- POST Lane Change
- IADLEST Left-Side Road Turn
- IADLEST Y-Turn
- IADLEST U-Turn
- IADLEST K-Turn
- IADLEST Shuffle Exercise