Alley Dock

Activity 3-3(a)

Format: Individual

Time Frame: Open (based on a total of 18 hours for skills practice and completion)

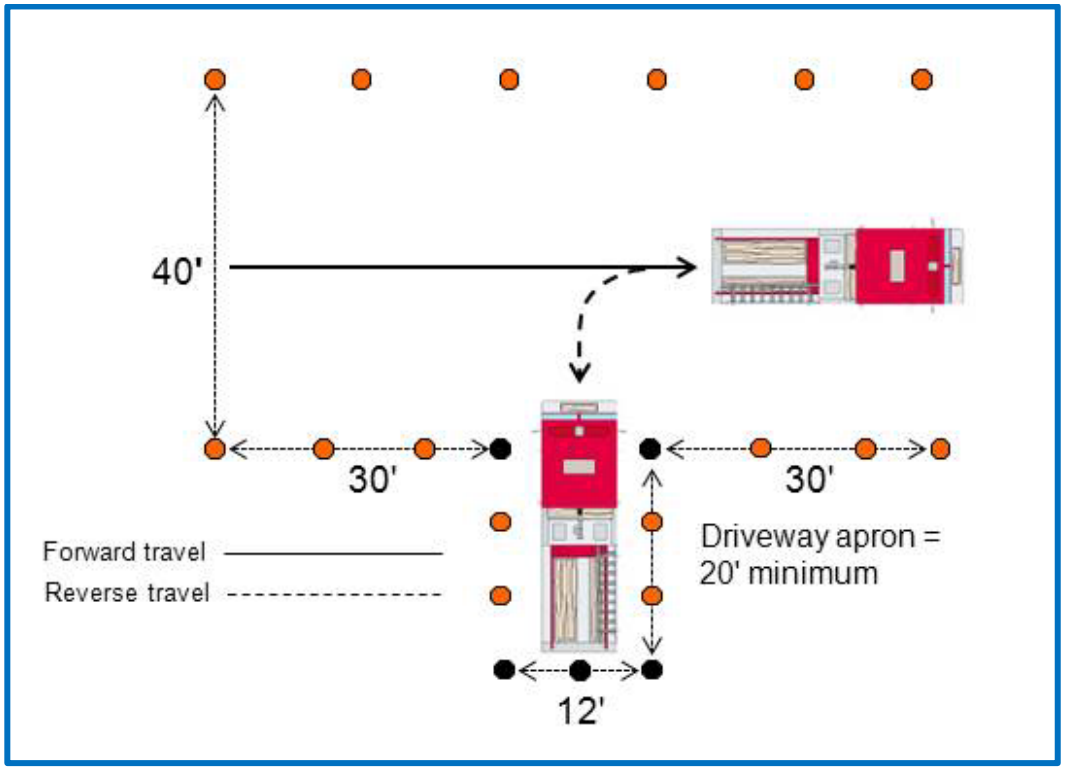
Description
This activity provides students with an opportunity to practice driving past a simulated dock or stall, backing the apparatus into the space provided, and stopping smoothly.

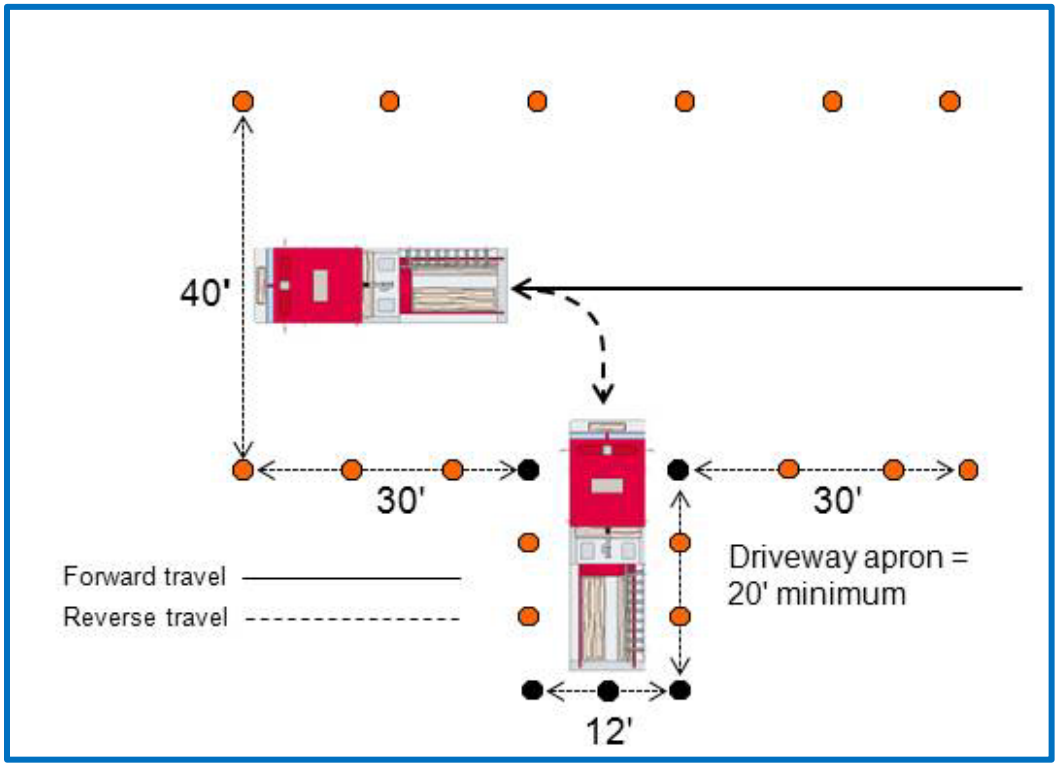
Standard of Completion
Back a *fire apparatus* from a roadway into restricted spaces on both the right and left sides of the *apparatus*, given a fire apparatus, a spotter where the spotter assists the driver in performing the maneuver, and restricted spaces 12 ft (3.7 m) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without have to stop and pull forward and without striking obstructions. (NFPA 1002 (2017) / Paragraph 4.3.2)

Materials
- Fire apparatus
- Tape measure
- Traffic cones
- Delineators
- Extra traffic cones and delineators available
- Uniform or PPE as determined by instructor

Instructions
1. Establish two boundary lines 40 feet apart and approximately 72 feet long using traffic cones.
2. Simulate a stall by arranging five (5) delineators off one boundary line, 12 feet apart and approximately 20 feet long.
3. For larger apparatus, course measurements will need to be modified.
4. Place traffic cones on each side of the stall between the delineators.
5. The driver/operator passes the delineators with the stall on the left and then backs the apparatus, using a left turn, into the stall.
6. Repeat the exercise with the stall on the right side, using a right turn.
7. Demonstrate the skill for the students before they practice and complete each activity.

Activity Illustrations





Station Parking

Activity 3-3(b)

Format: Individual

Time Frame: Open (based on a total of 18 hours for skills practice and completion)

Description
This activity provides students with an opportunity to practice backing the apparatus into an apparatus bay.

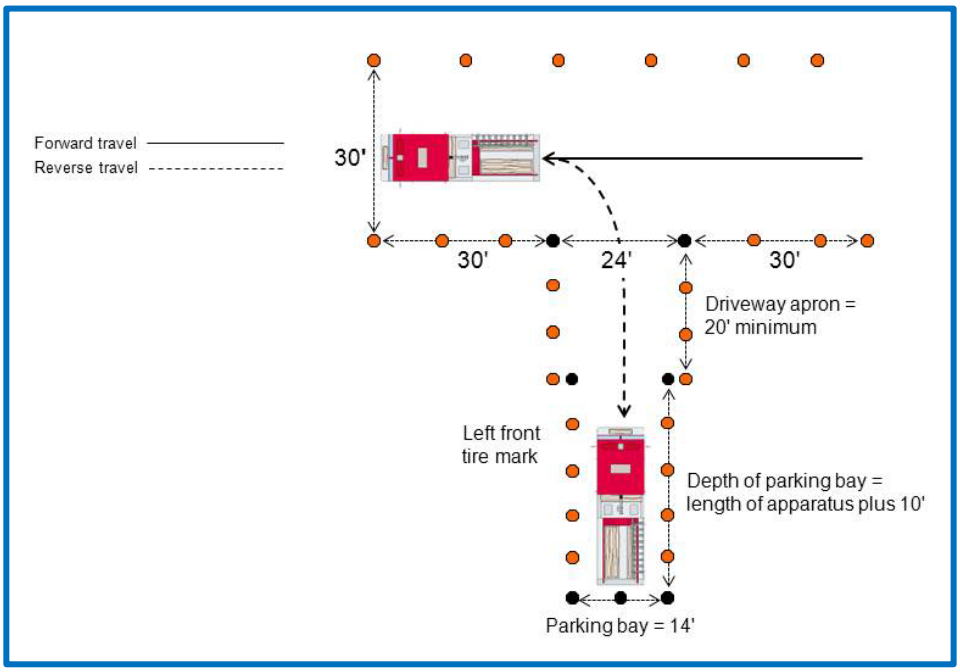
Standard of Completion
Back a *fire apparatus* from a roadway into restricted spaces on both the right and left sides of the *apparatus*, given a fire apparatus, a spotter where the spotter assists the driver in performing the maneuver, and restricted spaces 12 ft (3.7 m) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without have to stop and pull forward and without striking obstructions. (NFPA 1002 (2017) / Paragraph 4.3.2)

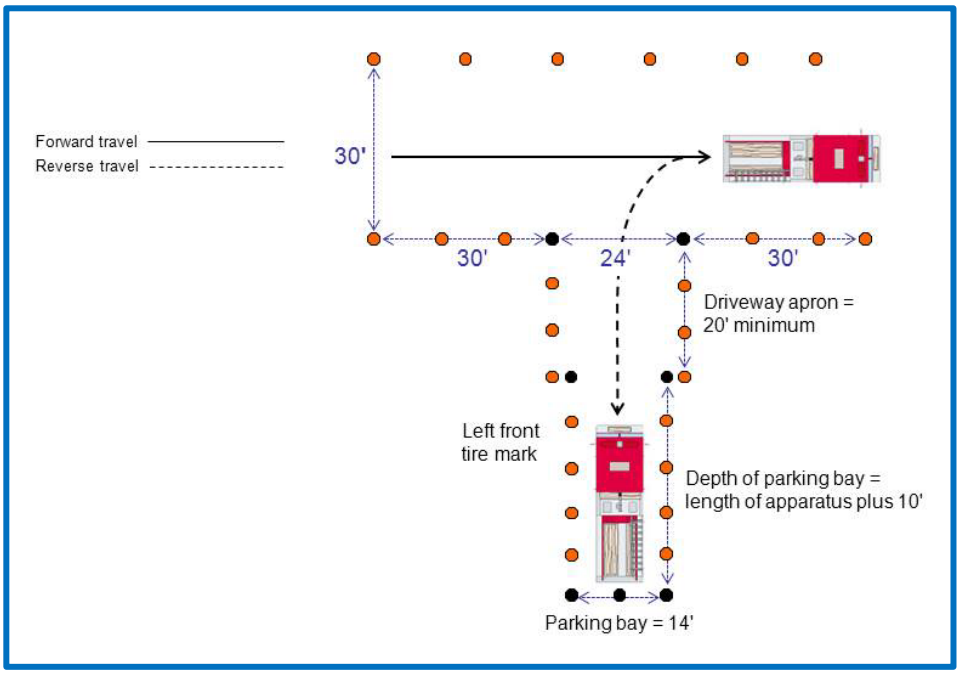
Materials
- Fire apparatus
- Tape measure
- Traffic cones
- Delineators
- Left front tire marker
- Optional straight line marker
- Extra traffic cones and delineators available
- Uniform or PPE as determined by instructor

Instructions
1. Establish two boundary lines 30 feet apart using traffic cones to simulate a street.
2. Simulate a driveway apron by arranging four (4) delineators off one boundary line, 24 feet wide and a minimum of 20 feet long.
    - The instructor can increase the setback from the street based on the representative needs of the area.
3. Place traffic cones on each side of the driveway apron between the delineators.
4. Simulate the entrance to the apparatus bay by placing two (2) delineators 12 feet apart.
5. Place three (3) delineators at the back of the apparatus bay.
    - Determine the depth by the length of the apparatus plus 10 feet.
6. Place traffic cones on each side of the apparatus bay between the delineators.
7. Place a marker on the ground to indicate to the driver/operator the proper position of the left front tire of the apparatus once stopped and parked.

8. An optional straight line can be placed on the floor of the apparatus bay to assist the driver/operator while backing the apparatus, facilitating the use of apparatus mirrors.
9. The driver/operator passes the delineators identifying the driveway apron on the left and then backs the apparatus, using a left turn, into the apparatus bay.
10. Repeat the exercise with the driveway apron on the right side, using a right turn.
11. Demonstrate the skill for the students before they practice and complete each skill.

Activity Illustrations





Serpentine

Activity 3-4

Format: Individual

Time Frame: Open (based on a total of 18 hours for skills practice and completion)

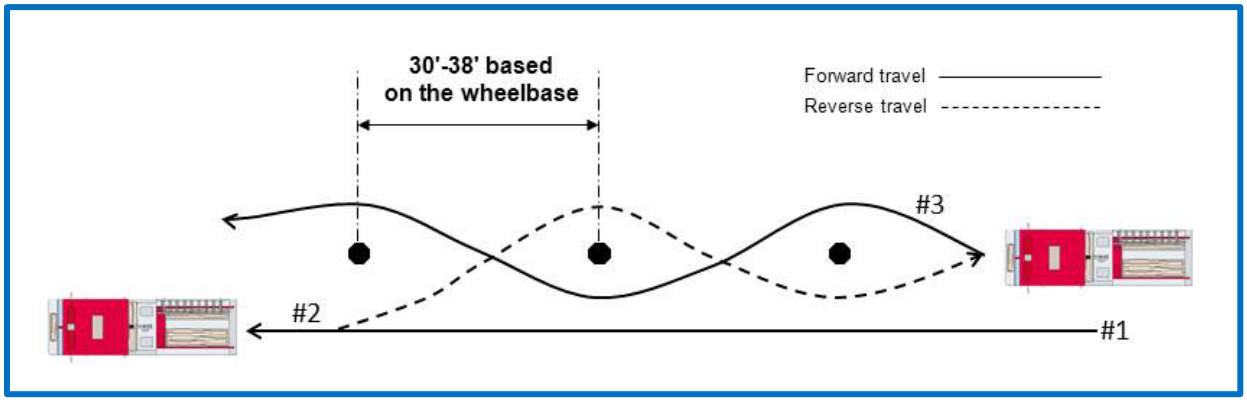
Description
This activity provides students with an opportunity to practice steering the apparatus both forward and backward in close limits without stopping.

Standard of Completion
Maneuver a *fire apparatus* around obstructions on a roadway while moving forward and in reverse, given a fire apparatus, a spotter where the spotter assists the driver in performing the maneuver, and a roadway with obstructions, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking any obstructions. (NFPA 1002 (2017) / Paragraph 4.3.3)

Materials
- Fire apparatus
- Tape measure
- Three (3) delineators
- Uniform or PPE as determined by instructor

Instructions
1. Establish the course or path of travel for this exercise by placing a minimum of three delineators in a straight line.
   - Base the spacing of the delineators on double the wheelbase of the apparatus being used.
   - Clearly identify the evolution's starting and stopping points.
2. Provide adequate space on each side of the delineators for the apparatus to move freely.
3. The driver/operator drives the apparatus along the left side of the markers in a straight line and stops at the identified location.
4. The driver/operator then begins the exercise by backing the apparatus between the delineators by passing to the left of delineator #1, to the right of delineator #2, and to the left of delineator #3.
5. At this point, the driver stops the apparatus and drives it forward between the delineators by passing to the right of delineator #3, to the left of delineator #2, and to the right of delineator #1.
6. Demonstrate the skill for the students before they practice and complete each skill.

Activity Illustration



Confined Space Turnaround

Activity 3-5

Format: Individual

Time Frame: Open (based on a total of 18 hours for skills practice and completion)

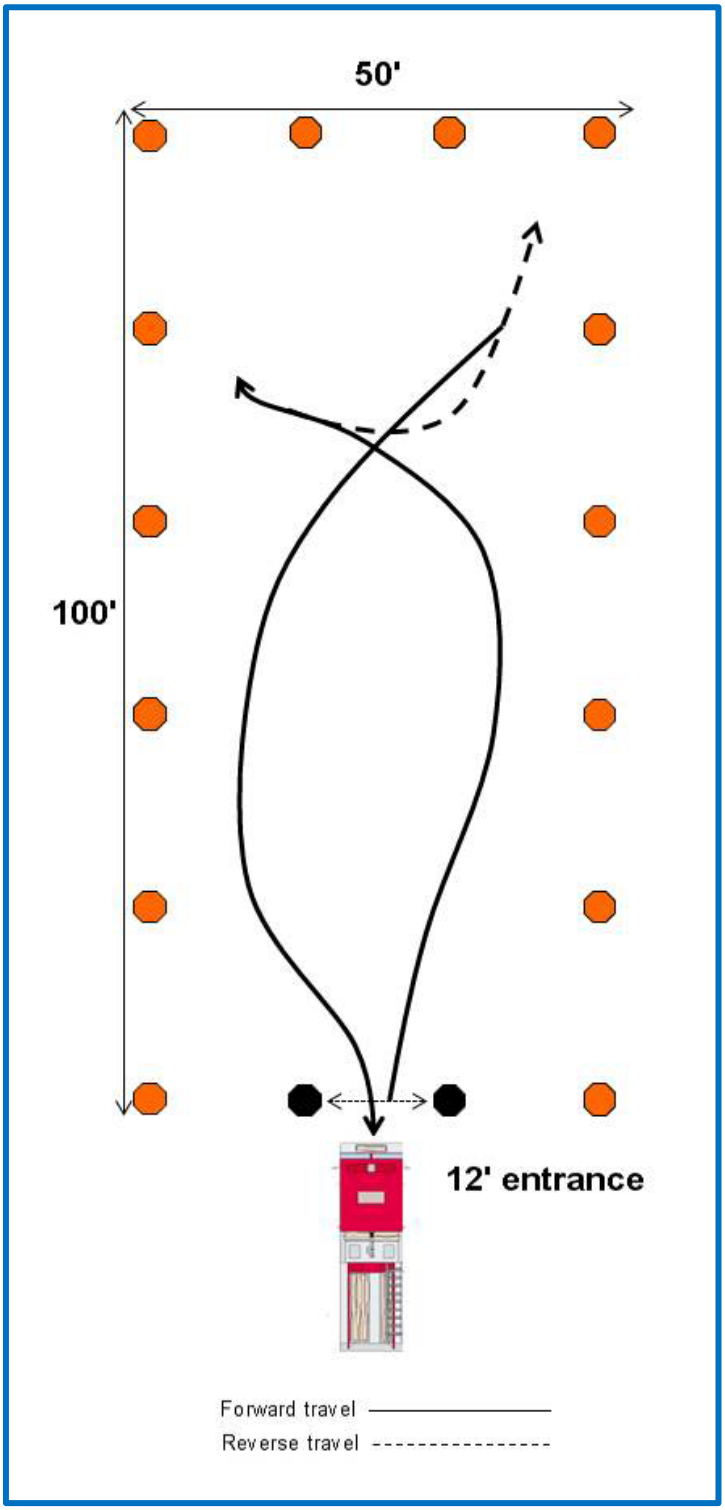
Description
This activity provides students with an opportunity to practice turning the apparatus around in a confined space without striking obstacles.

Standard of Completion
Turn a fire apparatus 180 degrees within a confined space, given a fire apparatus, a spotter for backing up, and an area in which the *apparatus* cannot perform a U-turn without stopping and backing up, so that the *apparatus* is turned 180 degrees without striking obstructions within the given space. (NFPA 1002 (2017) / Paragraph 4.3.4)

Materials
- Fire apparatus
- Tape measure
- Traffic cones or paint
- Two (2) delineators
- Uniform or PPE as determined by instructor

Instructions
1. Establish an area 50 feet × 100 feet by painting lines on the ground or using traffic cones.
   - Modify the course measurements for larger apparatus.
2. Establish an opening by placing two (2) delineators 12 feet apart in the center of one of the 50-foot legs.
3. The driver/operator drives into the area through the 12-foot opening, turns the apparatus 180 degrees, and returns through the opening.
4. There is no limit on the number of times the driver/operator maneuvers the apparatus to accomplish this exercise. However, no portion of the apparatus should extend over the boundary lines of the space.
5. Demonstrate the skill for the students before they practice and complete each skill.

Activity Illustration



Diminishing Clearance

Activity 3-6

Format: Individual

Time Frame: Open (based on a total of 18 hours for skills practice and completion)

Description
This activity provides students with an opportunity to practice steering the apparatus in a straight line, judging distances both horizontal and vertical, and stopping at a finish line. The driver/operator's speed should be great enough to necessitate quick judgment.

Standard of Completion
Maneuver a fire apparatus in areas with restricted horizontal and vertical clearances, given a fire apparatus and a course that requires the operator to move through areas of restricted horizontal and vertical clearances, so that the operator judges the ability of the *apparatus* to pass through the openings, *using continuous motion,* and so that no obstructions are struck. (NFPA 1002 (2017) / Paragraph 4.3.5)

Materials
- Fire apparatus
- Tape measure
- Traffic cones
- Four (4) delineators
- Vertical obstacle
- Uniform or PPE as determined by instructor

Instructions
1. Establish a 75-foot lane using traffic cones.
2. The lane varies in width from 9'6" to a diminishing clearance that is 2" greater than the outside dimension of the tires on the apparatus being used.
3. Establish a finish line at the end of the lane that is 20 feet longer than the apparatus using traffic cones and at least one (1) delineator.
4. Establish at least one (1) adjustable vertical obstacle in the lane.
5. The driver/operator maneuvers the apparatus through this lane without touching the traffic cones or the vertical obstacle.
    - If the driver/operator determines the apparatus cannot clear the vertical obstacle, they should stop the apparatus.
6. The driver/operator stops the apparatus at the finish line with no portion of the apparatus protruding beyond the finish line.
7. The driver/operator drives back through the lane without touching the traffic cones or the vertical obstacle.

- If the driver/operator determines the apparatus cannot clear the vertical obstacle, they should stop the apparatus.

8. The driver/operator stops after the front of the apparatus passes the last traffic cone.
9. Demonstrate the skill for the students before they practice and complete each skill.

Activity Illustration