

Rescue – Above and Below Grade

TROY FIRE DEPT. TACTICAL PLAN 203.07

Issue

10/07

Revised

03/12

Page 1 of 3

Purpose

The purpose of this plan is to provide an effective and safe means for handling incidents that require removal of a victim from above or below grade locations.

This plan is to be implemented **only** when:

- There is a solid surface (such as a floor or roof) which lends itself to the safe placement of an aerial platform “bucket”, or an aerial ladder.
- The surface and surrounding area is stable enough to support fire fighters/paramedics while performing patient packaging and removal.

The Incident Commander shall request the Oakland County Technical Rescue Team if:

- There is not a stable work surface.
- There are difficulties in placing an aerial ladder or aerial platform to perform the rescue.
- The victim is unreachable using this procedure due to height or distance restrictions.
- There is any other complication that prevents the rescue from being performed safely by TFD rope-trained personnel and equipment.

Note: The patient must be secured before beginning any removal maneuver. Apparatus operators must be aware of weight limits when operating aerial ladders and aerial platforms.

Equipment

Mid-mount 100' ladder trucks at Stations 1, 2, and 3 are equipped with the following:

- (1) Junkin basket stretcher
- (1) bridle sling
- (1) 10' anchor strap
- (1) 15' anchor strap
- (2) 12' x ¼" steel cables
- (15) steel twist-lock carabiners
- (1) storage bag
- (1) 200' utility rope/tag line with storage bag
NOT FOR RESCUE

This equipment should be inspected monthly for serviceability and readiness.



Rescue – Above and Below Grade

TROY FIRE DEPT. TACTICAL PLAN

203.07

Issue

10/07

Revised

03/12

Page 2 of 3

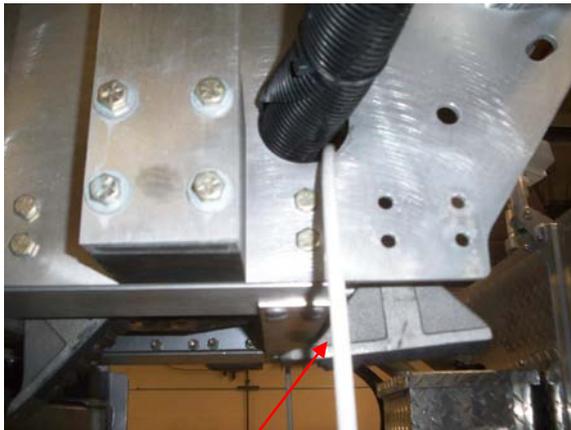
Rear-mount 65' ladder trucks at Stations 4, 5, and 6 are equipped with:

- A Traverse rescue basket stretcher complete with 75 ft. rope, webbing, and carabiner.

Mid-mount Aerial Platform Ladder Trucks

Raising/Lowering:

- The steel cables shall be rigged through the aerial behind the bucket as shown.
- Steel carabiners shall be used to attach the Junkin basket stretcher/bridle to the cables.
- Anchor straps shall be used if greater vertical separation distance is need.
- One fire fighter shall be in the bucket to coordinate hoisting/lowering operations and the guiding of the aerial with the apparatus operator at the pedestal.
- Two fire fighters shall be on the ground below tending utility rope tag lines to help stabilize the Junkin basket stretcher during ascent/descent.



Steel Cables



Steel Carabiners



Bridle Sling



Anchor Strap / Sling

Rescue – Above and Below Grade

TROY FIRE DEPT.
TACTICAL PLAN
203.07

Issue

10/07

Revised

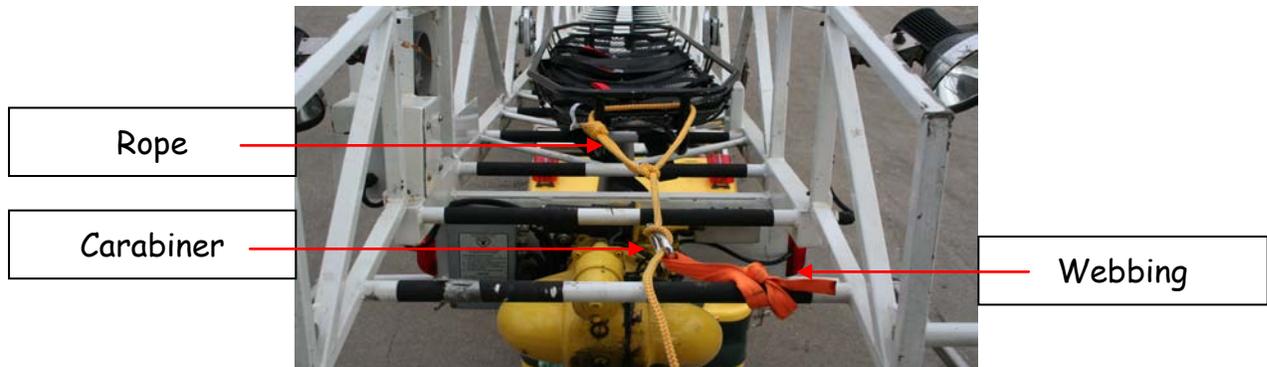
03/12

Page 3 of 3

Rear-mount Aerial Ladder Trucks

Lowering:

- The webbing will be looped around the upper most rung and a carabiner.
- The rope attached to the head of the Traverse basket stretcher will be double looped to the carabiner creating a friction point.
- One fire fighter (belay person) will gradually release the rope from the top of the ladder.
- A second fire fighter will be positioned on the ladder below the Traverse basket stretcher (stretcher attendant) and will descend the ladder while guiding the bottom of the stretcher until it reaches its destination.
- The fire fighters at the top and bottom of the ladder will maintain visual and verbal contact with each other and the patient at all times during this process.



Ground Ladders

Raising From Below Grade:

- One or more fire fighters will pull the rope that is attached to the Traverse basket stretcher from the top of the ground ladder.
- A second fire fighter will be positioned on the ground ladder below the stretcher and will ascend the ladder while guiding the bottom of the stretcher until it reaches its destination.
- The fire fighters at the top and bottom of the ground ladder will maintain visual and verbal contact with each other and the patient at all times during this process.

APPROVED:

William S. Nelson, Fire Chief