

# Division 12

## October 2026 - TRT Drill

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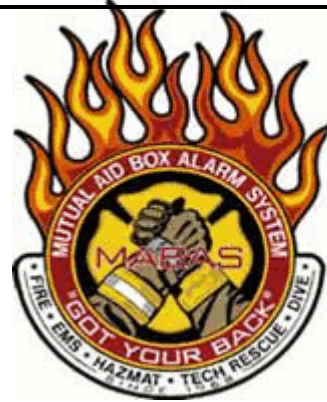
Host: Addison F.P.D

Date(S): October 12<sup>th</sup> (Red), 13<sup>th</sup> (Gold), 14<sup>th</sup> (Black)

Time: 0900-1200

Topic: Structural Collapse

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**Description:** Crews will rescue two simulated victims from a collapsed pile of structural concrete and other debris.

Contact:

**Lt. Giulio LoBello**  
**Addison Fire Protection District**  
**(708) 268-6560**

Location:

**Dunteman Co.**  
**600 S Lombard Rd**  
**Addison, IL 60101**

OSMF JPR Objectives

Structural Collapse OPER and TECH – See the attached lesson plan.

**Apparatus Needed – Rescue 77, Trailer 49, and associated TRT equipment.**

Scheduling Notes:

- 1) TRT training is typically the second Monday, Tuesday, and Wednesday of each month or as modified to address potential or known conflicts in advance.
- 2) The location for the training, when indicated as TBD/ Regional, permits multiple training sessions to occur on the same date and the same topic, however, at a location that better accommodates TRT team members. Locations will be finalized one month prior to the training date.

DIVISION 12 TRT INSTRUCTOR GUIDE  
LESSON PLAN

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lesson Title:</b> Structural Collapse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Level of Instruction:</b> Division 12 technical rescue team                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Method of Instruction:</b> Hands-on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Learning Objective:</b> Upon completion of this rope rescue training, participants will be able to demonstrate proficiency in executing safe and effective rope rescue operations, including the assessment of rescue scenarios, the selection and setup of appropriate rope systems, and the successful retrieval and evacuation of victims from various challenging environments, while adhering to industry standards and best practices.                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>References:</b> FEMA FOG; OSFM Structural collapse; Jones & Bartlett Technical Rescue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Location:</b> Duntelman Co.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Time/dates:</b> 10/12-14 0900-1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Instructor:</b> LoBello                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Materials Needed:</b> Squad 75 & 77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Safety Hazards / Identification:</b> During the training, you will be participating in a live load drill. To ensure your safety while working on or around the collapsed pile, it is mandatory to wear safety equipment. This includes a helmet, safety glasses, work gloves, N95 mask, and hearing protection if required for the task at hand.                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Step #1 Lesson Preparation:</b><br>Introduction and Safety Briefing <ul style="list-style-type: none"> <li>- Begin with an overview of the lesson's objectives.</li> <li>- Emphasize the importance of safety throughout the session.</li> <li>- Discuss the required equipment and its proper usage.</li> </ul>                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Step #2 Presentation:</b><br>Using the task book objectives have the crew effect a rescue of the victim from the collapsed concrete pile. Completion is accomplished when: <ul style="list-style-type: none"> <li>-a size-up and IAP have been created</li> <li>-reinforced concrete has been breached to effect a rescue</li> <li>-a system has been constructed to lift and move a heavy load off the victim</li> <li>-the collapsed structure has been reinforced with a cribbing system to stabilize the collapse</li> <li>-the victim has been properly packaged and removed from the collapse</li> </ul> | <b>Step # 3 Application:</b> <ul style="list-style-type: none"> <li>-Create and execute IAP from scene size-up -Breach reinforced concrete to effect a rescue</li> <li>-Build a system to lift and move a heavy load to effect a rescue</li> <li>-Stabilize a load to protect the victim using cribbing</li> <li>-Release/remove the victim from the collapsed structure</li> </ul> |

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**Step #4 Evaluation:** SWBAT (Student will be able to) successfully demonstrate the abovementioned skills. The instructor shall complete a Target Solutions assignment acknowledging that all participants have completed the skills reviewed.

**OSFM Objectives – Select all that apply**

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <b>Rope Operations</b>                                                                          |
| <input type="checkbox"/> | 5.2.01 Perform size up of a rescue incident                                                     |
| <input type="checkbox"/> | 5.2.02 Maintain hazard-specific PPE                                                             |
| <input type="checkbox"/> | 5.2.03 Maintain rescue equipment                                                                |
| <input type="checkbox"/> | 5.2.04 Demonstrate knots, bends, and hitches                                                    |
| <input type="checkbox"/> | 5.2.05 Construct a single-point anchor system.                                                  |
| <input type="checkbox"/> | 5.2.06 Construct a multiple-point anchor system                                                 |
| <input type="checkbox"/> | 5.2.07 Conduct a system safety check                                                            |
| <input type="checkbox"/> | 5.2.08 Place edge protection                                                                    |
| <input type="checkbox"/> | 5.2.09 Construct a system intended to provide belay                                             |
| <input type="checkbox"/> | 5.2.10 Operate a system intended to provide belay                                               |
| <input type="checkbox"/> | 5.2.11 Belay a falling load in a high-angle environment                                         |
| <input type="checkbox"/> | 5.2.12 Construct a fixed rope system                                                            |
| <input type="checkbox"/> | 5.2.13 Construct a lowering system                                                              |
| <input type="checkbox"/> | 5.2.14 Direct a lowering operation (high angle)                                                 |
| <input type="checkbox"/> | 5.2.15 Construct a simple rope mechanical advantage system                                      |
| <input type="checkbox"/> | 5.2.16 Direct a team in the operation of a simple rope mechanical advantage                     |
| <input type="checkbox"/> | 5.2.17 Construct a compound rope mechanical advantage system                                    |
| <input type="checkbox"/> | 5.2.18 Direct the operation of a compound rope mechanical advantage system                      |
| <input type="checkbox"/> | 5.2.19 Negotiate an edge                                                                        |
| <input type="checkbox"/> | 5.2.20 Prepare for transfer of victims                                                          |
| <input type="checkbox"/> | 5.2.21 direct a litter-lowering and litter-raising operation in a low-angle environment         |
| <input type="checkbox"/> | 5.2.22 Operate as a litter tender in a low-angle lowering or raising operation                  |
| <input type="checkbox"/> | 5.2.23 Direct a litter-lowering or litter-raising operation in a high-angle environment         |
| <input type="checkbox"/> | 5.2.24 Terminate a technical rescue operation                                                   |
| <input type="checkbox"/> | <b>Rope Technician</b>                                                                          |
| <input type="checkbox"/> | 5.3.01 Direct a team to remove a victim stranded on or clinging to a natural or manmade feature |
| <input type="checkbox"/> | 5.3.02 Direct a team to remove a victim suspended from rope or webbing                          |
| <input type="checkbox"/> | 5.3.03 Transfer of a victim suspended from rope or webbing                                      |
| <input type="checkbox"/> | 5.3.04 Perform activities of a litter tender                                                    |

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| <input type="checkbox"/> | 5.3.05 Construct a rope rescue system (move a suspended rescue load along a horizontal path) |
| <input type="checkbox"/> | 5.3.06 Direct a team (move a suspended rescue load along a horizontal path)                  |
| <input type="checkbox"/> | 5.3.07 Climb and traverse natural features or man-made structures                            |
| <input type="checkbox"/> | 5.3.08 Interact with a person at height                                                      |
| <input type="checkbox"/> | 5.3.09 Ascend a fixed rope in a high-angle environment                                       |
| <input type="checkbox"/> | 5.3.10 Descend a fixed rope                                                                  |
| <input type="checkbox"/> | 5.3.11 Demonstrate the ability to escape from a jammed or malfunctioning device              |
|                          | <b>Confined Space Operations</b>                                                             |
| <input type="checkbox"/> | 7.2.01 Initiate a Search Inside a Confined Space in those Areas Immediately Visible          |
| <input type="checkbox"/> | 7.2.02 Perform Size-up of a Confined Space                                                   |
| <input type="checkbox"/> | 7.2.03 Conduct Monitoring of the Environment                                                 |
| <input type="checkbox"/> | 7.2.04 Assess the Incident                                                                   |
| <input type="checkbox"/> | 7.2.05 Control Hazards                                                                       |
| <input type="checkbox"/> | 7.2.06 Apply and Use Self-Contained Breathing Apparatus (SCBA) as a Rescue Entrant           |
| <input type="checkbox"/> | 7.2.07 Apply an Atmospheric Respirator to a Victim                                           |
| <input type="checkbox"/> | 7.2.08 Perform Full Spinal Immobilization of a Victim Inside a Confined Space                |
| <input type="checkbox"/> | 7.2.09 Prepare for Entry into Horizontally Oriented Confined Space                           |
| <input type="checkbox"/> | 7.2.10 Enter a Horizontally Oriented Confined Space for Rescue                               |
| <input type="checkbox"/> | 7.2.11 Package a Victim in a Litter for Removal from a Horizontally Oriented Confined Space  |
| <input type="checkbox"/> | 7.2.12 Assemble a Portable Anchor System for Application of a High Point of Attachment       |
| <input type="checkbox"/> | 7.2.13 Prepare for Entry into Vertically Oriented Confined Space                             |
| <input type="checkbox"/> | 7.2.14 Enter a Vertically Oriented Confined Space for Rescue                                 |
| <input type="checkbox"/> | 7.2.15 Package a victim in a litter for removal from a horizontally oriented confined space  |
| <input type="checkbox"/> | 7.2.16 Access and Rapidly Remove a Victim from a Vertically Oriented Confined Space          |
| <input type="checkbox"/> | 7.2.17 Remove Entrants from a Confined Space                                                 |
| <input type="checkbox"/> | 7.2.18 Terminate a Technical Rescue Operation                                                |
| <input type="checkbox"/> | <b>Confined Space Technician</b>                                                             |
|                          | 7.3.1 Initiate a Search Inside a Confined Space in those Areas Not Immediately Visible       |
| <input type="checkbox"/> | 7.3.2 Pre-Plan a Confined Space Incident                                                     |
| <input type="checkbox"/> | 7.3.3 Apply and Use Supplied-Air Respirators (SARs) as a Rescue Entrant                      |
| <input type="checkbox"/> | 7.3.4 Perform a Short Spinal Immobilization of a Victim Inside a Confined Space              |
| <input type="checkbox"/> | 7.3.5 Prepare for Entry into the Confined Space with a Hazardous Atmosphere                  |
| <input type="checkbox"/> | 7.3.6 Enter a Confined Space with Atmospheric Hazards                                        |
|                          | <b>Trench Operations</b>                                                                     |
| <input type="checkbox"/> | 12.2.01 Identify potential hazards                                                           |
| <input type="checkbox"/> | 12.2.02 Implement a hazard control plan                                                      |
| <input type="checkbox"/> | 12.2.03 Develop a shoring plan                                                               |

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| <input type="checkbox"/> | 12.2.04 Implement a trench shoring plan                                                            |
| <input type="checkbox"/> | 12.2.05 Release a victim from soil entrapment                                                      |
| <input type="checkbox"/> | 12.2.06 Remove a victim from a trench                                                              |
| <input type="checkbox"/> | 12.2.07 Disassemble support systems                                                                |
| <input type="checkbox"/> | 12.2.08 Terminate a technical rescue operation                                                     |
|                          | <b>Trench Technician</b>                                                                           |
| <input type="checkbox"/> | 12.3.01 Develop a shoring plan for an intersecting trench                                          |
| <input type="checkbox"/> | 12.3.02 Implement a trench shoring plan for intersecting trench                                    |
| <input type="checkbox"/> | 12.3.03 Develop a shoring plan                                                                     |
| <input type="checkbox"/> | 12.3.04 Implement a trench shoring plan                                                            |
| <input type="checkbox"/> | 12.3.05 Support an intersecting trench                                                             |
| <input type="checkbox"/> | 12.3.06 Install supplemental sheeting and shoring                                                  |
| <input type="checkbox"/> | 12.3.07 Utilize spot shoring techniques                                                            |
| <input type="checkbox"/> | 12.3.08 Construct load stabilization systems                                                       |
| <input type="checkbox"/> | 12.3.09 Lift a load                                                                                |
| <input type="checkbox"/> | 12.3.10 Coordinate the use of heavy equipment                                                      |
| <input type="checkbox"/> | 12.3.11 Release a victim from entrapment                                                           |
|                          | <b>Structural Collapse Operations</b>                                                              |
| <input type="checkbox"/> | 6.2.01 Conduct a size-up of a light frame or unreinforced masonry (URM) collapsed structure        |
| <input type="checkbox"/> | 6.2.02 Determine potential victim locations in light frame and URM construction collapse incidents |
| <input type="checkbox"/> | 6.2.03 Develop a collapse incident action plan                                                     |
| <input type="checkbox"/> | 6.2.04 Implement a collapse rescue incident action plan                                            |
| <input type="checkbox"/> | 6.2.05 Search a light frame and URM constructed collapsed structure                                |
| <input type="checkbox"/> | 6.2.06 Stabilize a collapsed light frame and URM construction structure                            |
| <input type="checkbox"/> | 6.2.07 Release a victim from entrapment                                                            |
| <input type="checkbox"/> | 6.2.08 Remove a victim from a light frame and URM construction collapse incident                   |
| <input type="checkbox"/> | 6.2.09 Lift a heavy load as a team member                                                          |
| <input type="checkbox"/> | 6.2.10 Move a heavy load as a team member                                                          |
| <input type="checkbox"/> | 6.2.11 Breach light frame and URM construction structural components                               |
| <input type="checkbox"/> | 6.2.12 Construct cribbing systems                                                                  |
| <input type="checkbox"/> | 6.2.13 Inspect and maintain hazard-specific PPE                                                    |
| <input type="checkbox"/> | 6.2.14 Inspect and maintain rescue equipment                                                       |
| <input type="checkbox"/> | 6.2.15 Terminate an incident                                                                       |
| <input type="checkbox"/> | <b>Structural Collapse Technician</b>                                                              |
| X                        | 6.3.01 Conduct a size-up of a collapsed heavy construction-type structure                          |
| X                        | 6.3.02 Determine potential victim locations in a heavy construction-type incident                  |
| X                        | 6.3.03 Develop a collapse rescue incident action plan                                              |
| X                        | 6.3.04 Implement a collapse rescue incident action plan                                            |
| X                        | 6.3.05 Search a heavy construction type collapsed structure                                        |

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| X                        | 6.3.06 Stabilize a collapsed heavy construction type structure as a member of a team             |
| X                        | 6.3.07 Release a victim from entrapment by components of a heavy construction type collapse      |
| X                        | 6.3.08 Remove a victim from a heavy construction type collapse incident                          |
| X                        | 6.3.09 Lift a heavy load as a team member                                                        |
| X                        | 6.3.10 Move a heavy load as a team member                                                        |
| X                        | 6.3.11 Breach heavy structural components                                                        |
| X                        | 6.3.12 Construct cribbing systems                                                                |
| X                        | 6.3.13 Stabilize a collapsed heavy construction type structure as a member of a team             |
| X                        | 6.3.14 Cut through structural steel                                                              |
|                          | 6.3.15 Coordinate the use of heavy equipment                                                     |
|                          | <b>Heavy Vehicle Rescue (2025)</b>                                                               |
| <input type="checkbox"/> | 9.2.1 Create an incident action plan for a heavy vehicle incident                                |
| <input type="checkbox"/> | 9.2.2 Establish fire protection                                                                  |
| <input type="checkbox"/> | 9.2.3 Stabilize a heavy vehicle (position of use)                                                |
| <input type="checkbox"/> | 9.2.4 Isolate potentially harmful energy sources                                                 |
| <input type="checkbox"/> | 9.2.5 Determine the heavy vehicle access and egress points                                       |
| <input type="checkbox"/> | 9.2.6 Create access and egress openings for rescue from a heavy vehicle (wheels)                 |
| <input type="checkbox"/> | 9.2.7 Disentangle victim(s)                                                                      |
| <input type="checkbox"/> | 9.2.8 Remove packaged victim                                                                     |
| <input type="checkbox"/> | 9.2.9 Terminate a heavy vehicle incident                                                         |
| <input type="checkbox"/> | 9.3.1 Create an incident action plan for a heavy vehicle incident (multiple hazards)             |
| <input type="checkbox"/> | 9.3.2 Stabilize a heavy vehicle (multiple hazards)                                               |
| <input type="checkbox"/> | 9.3.3 Lift a heavy vehicle                                                                       |
| <input type="checkbox"/> | 9.3.4 Coordinate the use of heavy equipment                                                      |
| <input type="checkbox"/> | 9.3.5 Create access and egress openings for rescue (multiple hazards)                            |
| <input type="checkbox"/> | 9.3.6 Disentangle victim(s)                                                                      |
| <input type="checkbox"/> | 9.3.7 Remove a packaged victim                                                                   |
|                          | <b>Incident Safety Officer</b>                                                                   |
| X                        | 5.2.01 Perform the role of ISO within an incident command system (ICS)                           |
| X                        | 5.2.02 Monitor the IAP, conditions, activities, and operations                                   |
| <input type="checkbox"/> | 5.2.03 Manage the transfer of ISO duties                                                         |
| X                        | 5.2.04 Stop, alter, or suspend operations based on imminent threats posed to fire fighter safety |
| X                        | 5.2.05 Monitor and determine the incident scene conditions                                       |
| <input type="checkbox"/> | 5.2.06 Monitor the accountability system                                                         |
| X                        | 5.2.07 Determine hazardous incident conditions                                                   |
| X                        | 5.2.08 Identify motor vehicle incident scene hazards                                             |
| X                        | 5.2.09 Monitor radio transmissions                                                               |
| X                        | 5.2.10 Identify the incident strategic requirements                                              |

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| <input type="checkbox"/> | 5.2.11 Determine the hazards associated with the designation of a lz and interface with helicopters  |
| <input type="checkbox"/> | 5.2.12 Notify IC for need of intervention from occupational exposure to atypical stressful events    |
| <input type="checkbox"/> | 5.2.13 Determine hazardous energy sources that can affect responder health & safety                  |
| X                        | 5.2.14 Monitor conditions                                                                            |
| X                        | 5.2.15 Identify incident environmental conditions and contaminants                                   |
| X                        | 5.3.3 Identify and estimate building/structural collapse hazards                                     |
| <input type="checkbox"/> | 5.4.1 Determine the need for a search and rescue technician-trained ISO or assistant ISO             |
| <input type="checkbox"/> | 5.4.2 Prepare a safety plan that identifies corrective or preventive actions                         |
| X                        | 5.4.3 Deliver a safety briefing for technical search and rescue incident response members            |
| <input type="checkbox"/> | 5.5.1 Determine the need for a hazardous materials technician-trained ISO or assistant ISO           |
| X                        | 5.5.2 Prepare a safety plan that identifies corrective or preventive actions                         |
| X                        | 5.5.3 Deliver a safety briefing for hazardous materials incident response members                    |
| <input type="checkbox"/> | 5.5.4 Identify that haz mat incident control zones have been established & communicated to personnel |
| <input type="checkbox"/> | 5.7.1 Prepare a written post-incident analysis (PIA) from the ISO perspective                        |
| <input type="checkbox"/> | 5.7.2 Report observations, concerns, and recommendations                                             |