Division 12 March 2024 - TRT Drill

Host: Bensenville (Remote Itasca Location)

 $Date(S): March\ 11^{th\ (Red)},\ 12^{th\ (Gold)},\ 13^{th\ (Black)}$

Time: 0900-1200

Topic: Structural Collapse TECH rescue



Description:

The technical rescue team is using the acquired structure in Itasca to practice its abilities in handling critical situations involving building collapses. The team is practicing breaching techniques and demonstrating the application of structural tiebacks to ensure that it can effectively and safely navigate through complex rescue scenarios.

Contact:

BC Adam Lager (Bensenville) Contact - (630) 701-5251

Location:

1250 N. Arlington Heights Road Itasca, IL 60143

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:

- TRT training is typically the second Monday, Tuesday, and Wednesday of each month or as modified to address potential
 or known conflicts in advanced.
- 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, which better accommodates TRT team members. Locations to be finalized one month prior to the training date.

Level of Instruction: Technician

Method of Instruction: Hands on

Learning Objective: Structural Collapse victim removal.

References: FEMA FOG; OSFM Structural collapse; Jones & Bartlett Technical Rescue

Location: 1250 Arlington Heights Rd. Itasca, IL 60143 **Time / dates**: March 11th, 12th, and 13th – 0900-1200

Instructor: BC Adam Lager

Materials Needed: TRT trailer 49 and necessary equipment.

Safety Hazards / Identification: During the training, you will be participating with heavy structural members. To ensure your safety while working on or around the training site, it is mandatory to wear safety equipment. This includes a helmet, safety glasses, work gloves, N95 mask if breeching, and hearing protection if required for the task at hand.

Step #1 Lesson Preparation:

Students will understand the concept of structural tiebacks, their purpose, types, and application for both civil engineering projects and technical rescue application.

- Present the FOG manual and discuss a temporary Tieback system.
- Overview the site safety requirements and the necessity of wearing appropriate PPE.
- Discuss the potential of hazardous energy created by installing a structural Tieback.
- Assign a safety officer position to mitigate risk of rescuer injury.
- Provide for the safety of all persons operating within the designated training facility.

Step #2 Presentation:

The instructor will discuss the US&R Structures FOG manual procedures for the purpose and application of a structural tie back.

- Students will discuss load path
- Instructor will discuss the differences between a temporary Tieback vs. a permanent system
- Instructor will discuss the significance of axial loads on supporting members below the tieback.
- Instructor will discuss the necessity of anchor supports to accomplish a tieback.
- Students will successfully accomplish a tieback.

Step # 3 Application:

See attached OSFM objectives

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		
	Rope Operations	
	6.1.01 Direct a team	
	6.1.02 Direct a lowering operation	
	6.1.03 Construct a multiple-point anchor system	
	6.1.04 Construct a compound rope mechanical advantage system	
	6.1.05 Construct a fixed rope system	
	6.1.06 Direct the operation of a compound rope mechanical advantage system	
	6.1.07 Ascend a fixed rope in a high-angle environment	
	6.1.08 Descend a fixed rope in a high-angle environment	
	Rope Technician	
	6.2.01 Complete an assignment	
	6.2.02 Manage the movement of the victim	
	6.2.03 Function as a litter tender	
	6.2.04 Direct a team (victim removal)	
	6.2.05 Direct a team (highline construction)	
	6.2.06 Direct a team (highline operation)	
	6.2.07 Access a victim	
	6.2.08 Isolate and manage potentially harmful energy sources	
	Confined Space Operations	
	7.2.01 Initiate a Search Inside a Confined Space in those Areas Immediately Visible	
	7.2.02 Perform Size-up of a Confined Space	
	7.2.03 Conduct Monitoring of the Environment	
	7.2.04 Assess the Incident	
	7.2.05 Control Hazards	
	7.2.06 Apply and Use Self-Contained Breathing Apparatus (SCBA) as a Rescue Entrant	
	7.2.07 Apply and Atmospheric Respirator to a Victim	
	7.2.08 Perform Full Spinal Immobilization of a Victim Inside a Confined Space	
	7.2.09 Prepare for Entry into Horizontally Oriented Confined Space	
	7.2.10 Enter a Horizontally Oriented Confined Space for Rescue	

	7.2.11 Package a Victim in a Liter for Removal from a Horizontally Oriented Confined
Ш	Space
	7.2.12 Assemble a Portable Anchor System for Application of a High Point of
Ш	Attachment
	7.2.13 Prepare for Entry into Vertically Oriented Confined Space
	7.2.14 Enter a Vertically Oriented Confined Space for Rescue
	7.2.15 Package a victim in a litter for removal from a horizontally oriented confined
Ш	space
	7.2.16 Access and Rapidly Remove a Victim from a Vertically Oriented Confined Space
	7.2.17 Remove Entrants from a Confined Space
	7.2.18 Terminate a Technical Rescue Operation
	Confined Space Technician
	7.3.1 Initiate a Search Inside a Confined Space in those Areas Not Immediately Visible
	7.3.2 Pre-Plan a Confined Space Incident
	7.3.3 Apply and Use Supplied-Air Respirators (SARs) as a Rescue Entrant
	7.3.4 Perform a Short Spinal Immobilization of a Victim Inside a Confined Space
	7.3.5 Prepare for Entry into the Confined Space with a Hazardous Atmosphere
	7.3.6 Enter a Confined Space with Atmospheric Hazards
	Trench Operations
	8.1.01 Conduct a size-up
	8.1.02 Implement a trench emergency action plan
	8.1.03 Implement support operations
	8.1.04 Support a nonintersecting straight wall trench
	8.1.05 Terminate a technical rescue operation
	8.1.06 Remove a victim from a trench
	8.1.07 Disassemble support systems
	Trench Technician
Ш	8.2.01 Support an intersecting trench as a member of a team
	8.2.02 Install supplemental sheeting and shoring for each two feet of depth below a
	shoring system
Щ	8.2.03 Construct load stabilization systems
Ш	8.2.04 Lift a load
Ш	8.2.05 Coordinate the use of heavy equipment
Ш	8.2.06 Release a victim from entrapment by components of a collapsed trench
	Structural Collapse Operations
	6.2.01 Conduct a size-up of a light frame or unreinforced masonry (URM) collapsed
	structure
	6.2.02 Determine potential victim locations in light frame and URM construction collapse
	incidents
Щ	6.2.03 Develop a collapse incident action plan
	6.2.04 Implement a collapse rescue incident action plan

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	6.2.05 Search a light frame and URM constructed collapsed structure
	6.2.06 Stabilize a collapsed light frame and URM construction structure
	6.2.07 Release a victim from entrapment
	6.2.08 Remove a victim from a light frame and URM construction collapse incident
	6.2.09 Lift a heavy load as a team member
	6.2.10 Move a heavy load as a team member
	6.2.11 Breach light frame and URM construction structural components
	6.2.12 Construct cribbing systems
\boxtimes	6.2.13 Inspect and maintain hazard-specific PPE
\boxtimes	6.2.14 Inspect and maintain rescue equipment
\boxtimes	6.2.15 Terminate an incident
	Structural Collapse Technician
\boxtimes	6.3.01 Conduct a size-up of a collapsed heavy construction-type structure
	6.3.02 Determine potential victim locations in a heavy construction-type incident
\boxtimes	6.3.03 Develop a collapse rescue incident action plan
	6.3.04 Implement a collapse rescue incident action plan
	6.3.05 Search a heavy construction type collapsed structure
\boxtimes	6.3.06 Stabilize a collapsed heavy construction type structure as a member of a team
	6.3.07 Release a victim from entrapment by components of a heavy construction type
Ш	collapse
	6.3.08 Remove a victim from a heavy construction type collapse incident
	6.3.09 Lift a heavy load as a team member
	6.3.10 Move a heavy load as a team member
	6.3.11 Breach heavy structural components
	6.3.12 Construct cribbing systems
\boxtimes	6.3.13 Stabilize a collapsed heavy construction type structure as a member of a team
	6.3.14 Cut through structural steel
	6.3.15 Coordinate the use of heavy equipment
	Vehicle Machinery Technician (VMT)
	08.3.1 Create an Incident Action Plan for a Commercial or Heavy Vehicle
	08.3.2 Stabilize Commercial / Heavy Vehicle
	08.3.3 Determine the Heavy Vehicle Access & Egress Points
	08.3.4 Create Access and Egress Points for Heavy Vehicle
	08.3.5 Disentangle Victim(s)
	08.3.6 Isolate and Mitigate Potentially Harmful Energy Sources
	12.3.1 Plan for a large machinery incident
	12.3.2 Stabilize large machinery
	12.3.3 Determine large machinery access and egress points
	12.3.4 Create access and egress openings for rescue from large machi
	12.3.5 Disentangle victim(s)
ш	12.5.5 Discritation victim(5)

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