

ILLINOIS FIRE SERVICE INSTITUTE STATE FIRE ACADEMY



To help firefighters do their work through training, education, information and research.







AGRICULTURAL TRAINING SITE

Rescue personnel learn principles and guidelines for a safe response to tractor roll-overs, entrapment in field agricultural machinery, entanglements in stationary equipment, electrical incidents, agricultural chemical spills and exposure, fires related to the farm operation and other agriculturally-related incidents.

Extrication drills, equipment stabilization, lock out tag out of electrical, hydraulic and pneumatic machinery, patient assessment, treatment and packaging also can be included.

The Fire Fighting Foam class provides the firefighter with a basic understanding of the common types of fire fighting foams (for Class A, Class B, & Polar Solvent fuels), the apparatus and equipment needed to deliver them, and the procedures for setting up and using them effectively. The class also addresses the logistics of large scale foam operations.

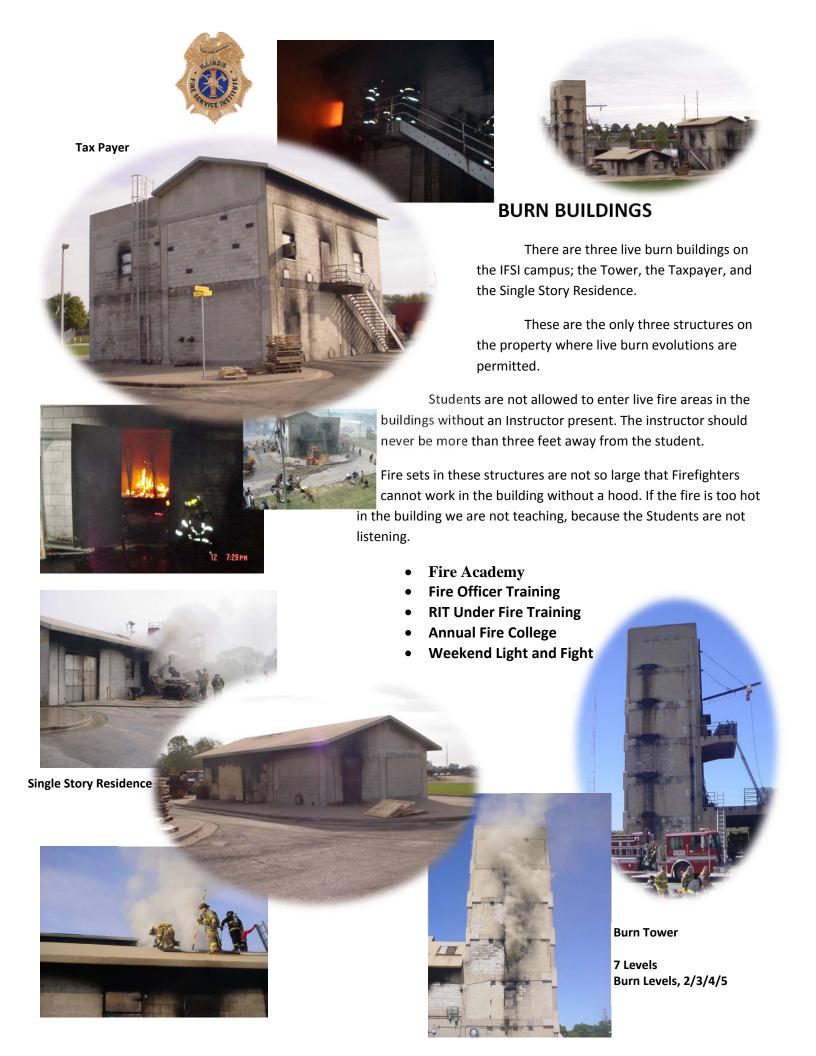
- Agricultural Rescue
- Fire Fighting Foam Applications
- Ethanol Awareness
- Grain Bin Rescue















FORCIBLE ENTRY PROPS

There are a number of forcible entry props located throughout the facility. Most are located in Forcible Entry Alley on the north side of the Tower. These props are also duplicated in or on many of the Burn Buildings and are used in these locations as part of a drill or scenario.





Burglar Bar

Simulates cutting through burglar bars. Basic FF skills for holding a saw horizontally





Inward/Outward Opening Doors

Simulates opening a door using a set of Irons, or other combination of striking and prying tools, or hand operated hydraulic tools.



4 X 4 Prop

Simulates a situation that requires a FF to split or break apart dimensional wood. Also used to create or insert delays into a scenario.

Lock Pulling Station

Simulates pulling a lock using A Tool or K Tool.





Screwed and Glued

Simulates prying a door and jamb apart. Also used to insert delays into a scenario





Overhead Door

Simulates cutting through an overhead door using hand tools or rotary saws.



Roll Up Door Prop

Simulates a roll up security gate on a store front.



HAZARDOUS MATERIAL ON SITE PROPS

RAIL CARS IFSI Currently has 5

rail cars on site that are used for various firefighters training.

Hazardous materials and confined space training most often

use the cars, however rope and the fire fighting programs utilize these



props from time to time. There are three non- pressurized cars, one pressurized car and a box car on the tracks.

While these cars are ageing, they still serve the physical purpose of working on and around rail cars.





- Hazardous Materials Technician A and B
- State of Illinois WMD Haz. Mat. Team Validation Exercises
- Firefighter Foam Application Techniques
- Clandestine Drug Lab Operations
- Confined Space Training
- Vertical Rescue Training
- Law Enforcement Mitigation Teams
- Firefighter Programs

306 TANKER We currently have a 306 tanker on site that is used by the hazardous materials and fire fighting programs. It is used in foam application drills as well as fuel leak scenarios.







CLANDESTINE DRUG LAB HOUSE

When the clandestine methamphetamine epidemic hit the Midwest, the building was cleaned out, the new overhead door was installed and makeshift lab scenarios were staged in this facility for hazardous

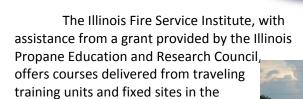
materials and law enforcement mitigation teams.











The IFSI 2010FY Report reflects 68 classes, and 325 fire departments represented by 2,135 students. These classes were conducted on site, as well as throughout the State of Illinois.



Liquefied Petroleum Gas Fire Fighting is a four-hour class underwritten completely by the Illinois Propane Education and Research

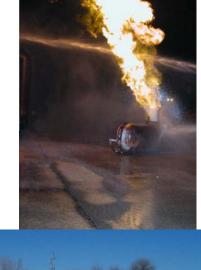
Council.

State of Illinois.

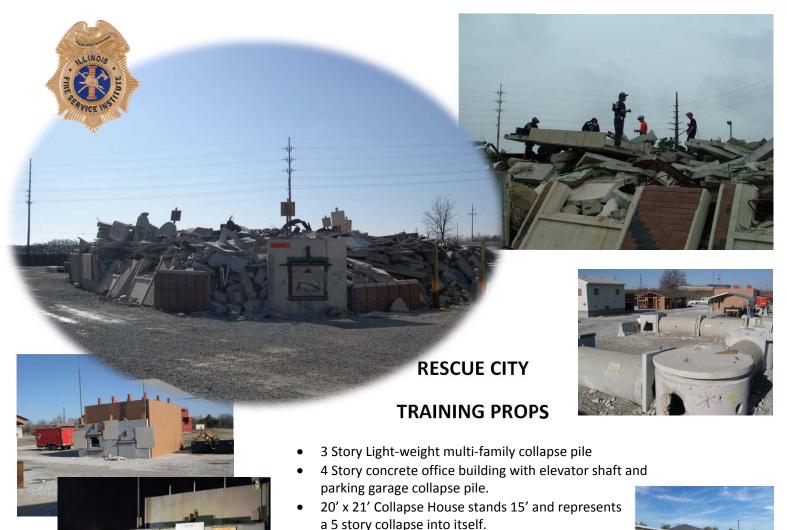
- **Annual Fire College**
- **Firefighter Academy**
- **Explorer Cadet Fire School**
- **Per Request**











a 5 story collapse into itself.

3 Story concrete office building with multiple floor and wall collapses.

Multiple breaching challenges on different building construction materials.

Raker Tester to test student built raker systems. This prop is only one of three in the country.



Fire Officer Training

State Weapons of Mass Destruction Collapse Operation Training

State Weapons of Mass Destruction Collapse Technician Training









ROOF PROPS





There are two pitched roof props available at ground level. There are two flat roof props available at ground level.

There are two elevated roof props located on top of the RTC prop. The two props offer a shallow and steep angle.



Flat Roof

- Fire Academy
- Annual Fire College
- Fire Explorer & Cadet School







Pitched Roof

- Fire Academy
- Annual Fire College
- Fire Explorer & Cadet School



- Fire Academy
- Annual Fire College
- Fire Explorer & Cadet School











STREETSCAPE

Streetscape is a 25 sea-land container prop designed to simulate a city block that has proven to be a valuable training prop. The prop offers simulated commercial hardware store, insurance office, Laundromat, fitness center and machine shop. On the 2nd and 3rd floor are apartments with varied floor plans. There is over 9,000 square feet of hallways, stairways, and designed storage rooms. During FY 2012 a Class A Smoke generation system was added. See picture below. This allows us to introduce live smoke into the structure while still maintaining a "no live burn" status for the prop.

- Fire Academy
- Fire Officer Training
- State of Illinois Validation Exercises
- Annual Fire College
- Command Level Disciplines

Cornerstone Weekend Training

















Single Family Dwelling Simulator

We are developing a plan to improve upon the use of this prop as a single family dwelling. Completion goal is June 2012.

The conversion of the Regional Training Center burn cans into a two story single family dwelling simulator will provide new options for a number of programs.

The plan calls for a first floor with a Family Room, Furnace and Water Heater, Open Dining and Kitchen area, Utility Room, Bathroom and Bedroom.

The interior and exterior stairs lead to the second floor with a Master Bedroom, Master Bath, and Attic Area.

The prop will include a Class A (straw/wood smoke) Smoke system providing IFSI with an additional resource for;

- Regional Fire Department training
- Cornerstone Classes
- Fire Officer Training
- Fire Academy
- Fire College
- Fire Fighting Program





Research and Fire Behavior Lab

This prop was originally designed for Industrial use and may still be used for Industrial classes.

The prop is receiving an upgrade that will provide IFSI with desperately needed space to conduct research during the live burn season without impacting the scheduling of the burn buildings.

The upgrade will add a third container to the north end of the existing containers, ceiling heat deflectors, channel system for wall and ceiling inserts, heat monitoring thermocouples.

























