

Indiana State Fair Commission Collapse Incident

Failure Investigation Site Protocol

21 August 2011

I. Intent

In order to maintain the integrity of the incident scene and aid in evidence preservation, the following protocol has been developed and implemented to control and track the access of personnel who wish to gain access to the incident location in addition to controlling the materials within the collapse area.

II. Definition of “Authorized Individual”

An “Authorized Individual” is a person who meets one of the following criteria:

- A. A lawyer (with a proper engagement letter) for any client who has filed a notice with the Office of the Indiana Attorney General under the Indiana Tort Claims Act or who has filed a claim against another party asserting a claim arising from the Saturday, August 13, 2011 accident at the Indiana State Fair.
- B. A lawyer (with proper engagement letter or proof of in-house counsel status) for any Client who reasonably might be required to defend the client or employer against any claim arising from the Saturday, August 13, 2011 accident at the Indiana State Fair.
- C. An engineer or other such technically qualified person with proof of employment or engagement by a client described in either of the first two paragraphs or by a third-party with a significant financial interest in the site, including, but not limited to, insurance companies and their representatives and owners of real or personal property contained in or affected by the accident site. Thornton Tomasetti retains the sole discretion regarding the admittance of said individuals.
- D. A state or local governmental or quasi-governmental entity conducting an investigation pursuant to Indiana or municipal code, or as authorized by Thornton Tomasetti.

III. Secured Scene Perimeters

A. Outer Perimeter:

A secured outer perimeter has been established to define the boundary of access control. This secured and patrolled perimeter is intended to prevent

RE: INDIANA STATE FAIR COLLAPSE INCIDENT INVESTIGATION PROTOCOL

August 21, 2011 Page 2 of 7

access to the site by unauthorized individuals. The Outer Perimeter consists of the following elements:

1. North: Fence (pedestrian barricades) between the south side of infield parking lot and the inner track. This fence is supplemented by a livestock fence that was installed approximately 100 feet south of the aforementioned barricade.
2. East: Pedestrian barricade, livestock fence and concrete pedestrian tunnel wall.
3. South: Grandstands/chain link fence at south face of grandstands.
4. West: Pedestrian barricade, livestock fence and concrete pedestrian tunnel wall.

B. Inner Perimeter

An inner control perimeter has been established around the debris pile through the use of Caution tape, traffic cones and other barricade methods. These elements are intended to create a visual barrier and define access restrictions for the representatives from Interested Parties who are on site. Access to the Inner Perimeter is defined below.

IV. Scene Security

The site is secured by Uniformed personnel of the Indiana State Police 24 hours a day, 7 days a week.

In addition, three (3) high definition time-lapse cameras shall be installed to document all site activity 24 hours a day, 7 days a week.

RE: INDIANA STATE FAIR COLLAPSE INCIDENT INVESTIGATION PROTOCOL

August 21, 2011 Page 3 of 7

V. Site Access

Site access is currently obtained through one of two control points at the outer perimeter. All personnel are required to enter at the south gate. Entry permission is based on the following:

- A. Initial Entry. Representatives from Interested Parties shall submit the names of Authorized Individuals by 9:00PM of the evening before access is desired. All information shall be transmitted via email to: siteaccess@sfc.in.gov. Please provide the nature of your involvement with the Incident and names and employer of all persons that will be requesting site access. All names received by this deadline and verified by State personnel as a bona fide Interested Party shall be added to the Authorized Access list.
- B. Entry Location. Individuals wishing to gain access to the site shall report to the main Control Point at the South side of the grandstands. Following verification that an individual is listed on the Authorized Access list and a valid State-issued Driver License or Passport is verified, the individual will be permitted to proceed to the Indiana Department of Homeland Security electronic credentialing database system. At this location the Authorized Individual will use their State-issued Driver License to populate a printed credential that shall be visibly displayed at all times while the Authorized Individual is on site.
- C. Ongoing Site Access. For the duration of time that this Protocol is in effect, the subject remains compliant with the Site Regulations and is duly engaged as a representative of an Interested Party, the individual will remain an Authorized Individual and their credential shall remain active. All subsequent entry and exit from the site shall be cataloged through the use of a bar-code reader operated by Indiana State Police personnel or other authorized security personnel at the Control Point.
- D. Vehicular Access at North Gate. If approved and scheduled in advance with Indiana State Fair Commission and Thornton Tomasetti personnel, once credentialed, Authorized Individuals shall be permitted to bring a vehicle onto the infield track through the North Gate. Requests for access shall be granted when there is a need for vehicular access to drop

RE: INDIANA STATE FAIR COLLAPSE INCIDENT INVESTIGATION PROTOCOL

August 21, 2011 Page 4 of 7

off or pick up large or cumbersome equipment (construction equipment, rigging equipment, moving vans, etc.)

- E. Access within Outer Perimeter. Following a site safety briefing and execution of a Waiver and Release. Refer to the tab on the incident Home Page at <http://www.in.gov/sfc> for a copy of the Waiver and Release. Authorized Individuals will have access within the Outer Perimeter during the times posted on the Indiana State Fair Commission Incident website at <http://www.in.gov/sfc>. No escort or guide will be required in this zone for Authorized Individuals.
- F. Access within Inner Perimeter. Due to the density of the debris and limited ingress/egress points, access to the Inner Perimeter shall be conducted only with an escort by Thornton Tomasetti Personnel. In addition, the following shall be enforced:
1. Access must be scheduled in advance. Only technical consultants (Engineers, Technicians, Inspectors, Investigators, etc.) that require close-hand access to debris shall be permitted to access the Inner Perimeter. At such time as all technical consultants have completed their evaluation, scheduling of non-technical representatives of Interested Parties shall be permitted to schedule entry. All other Authorized Individuals wishing to inspect components located within the Inner Perimeter shall be required to evaluate said components once the component has been moved off-site to a secured facility.
 2. Scheduling for Access to Inner Perimeter shall be requested in writing via email to siteaccess@sfc.in.gov. Access requests shall list the name of all Authorized Individuals requiring access and their employer as well as the duration of time requested for the evaluation. Scheduling shall be on a first-come, first served basis during normal daily Access Times, with all access limited to 8-hours per evaluation. Extended work hours will be at the discretion of the on-site personnel from Thornton Tomasetti. Subsequent requests for access shall be queued until such time as all Interested Parties have completed their initial evaluation of the Inner Perimeter.

RE: INDIANA STATE FAIR COLLAPSE INCIDENT INVESTIGATION PROTOCOL

August 21, 2011 Page 5 of 7

3. Notification of the Scheduled Time shall be sent via email at least 48 hours in advance of assigned Scheduled Time to the Authorized Individual that submitted the request. If you are unable to comply with the scheduled time, your team will be moved to the next available appointment time. After two deferrals your request shall be moved to the end of the queue.
4. No more than three (3) Authorized Individuals shall be permitted to enter the Inner Perimeter at any one time. All Authorized Individuals shall be required to remain in the same location within the Inner Perimeter and shall follow the direction of Thornton Tomasetti escorts with regard to mobility within the Inner Perimeter.
5. Due to the density and nature of the debris, it is recommended that those individuals with mobility restrictions and/or other impairments not enter the Inner Perimeter.

VI. Access Schedule

Access Times shall be posted on the Indiana State Fair Commission Incident website at <http://www.in.gov/sfc>

VII. Personal Protective Equipment

All personnel on the incident site shall procure and wear at a minimum: ANSI Z89.1 compliant head protection, eye protection, a fluorescent retro-reflective vest and protective footwear. Personal safety is the responsibility of all Authorized Individuals that are permitted access to the site.

VIII. Materials Testing

At such time that specimen location are identified, a materials testing protocol will be initiated for the evaluation of structural components associated with the incident. At a minimum, evaluation and testing shall consist of:

- A. Metallurgical evaluation of representative welds to determine conformance with AWS D1.2/D1.2M

RE: INDIANA STATE FAIR COLLAPSE INCIDENT INVESTIGATION PROTOCOL

August 21, 2011 Page 6 of 7

- B. Metallurgical evaluation of representative components manufactured from Aluminum alloys for conformance with specifications
- C. Evaluation of guy wire components.
- D. Evaluation of ballast components and resulting anchor capacity.
- E. Evaluation of mass of suspended rigging and production equipment.

A detailed Materials Testing Protocol will be issued and will define the exact parameters and locations of the above-referenced evaluations.

Said testing shall be conducted by an independent testing laboratory and test results shall be disseminated to all Interested Parties.

Interested Parties wishing to conduct their own testing of components shall be permitted to do so at their own cost. Requests shall be submitted to siteaccess@sfc.in.gov for review and scheduling. No testing shall commence until such time that materials are approved for removal from the site. In addition, all Chain of Custody requirements shall be adhered to.

IX. Preservation of Evidence

Until such time as the incident site has been approved for materials testing or material relocation, every effort should be taken to preserve the integrity of the scene. No structural components shall be moved or displaced. The scene has been documented through photography, laser survey and land survey techniques thereby allowing Interested Parties to verify the undisturbed condition of the site at the date of said documentation. When equipment or personal property that are ancillary to the investigation are approved for removal from the site, a detailed manifest shall be prepared and submitted to Indiana State Fair Commission officials prior to departure.

All on-site components deemed associated with the collapse incident shall be cataloged and documented in their in-situ condition. Thornton Tomasetti has developed and implemented a detailed component cataloging methodology for the identification of all structural members and suspended production equipment located at the collapse location (see Site Documentation Protocol). Said protocol provides for the documentation of member size, location, orientation, and condition in addition to providing for a unique Identifier for each member. This Identifier shall be utilized for all tracking of the subject components.

RE: INDIANA STATE FAIR COLLAPSE INCIDENT INVESTIGATION PROTOCOL

August 21, 2011 Page 7 of 7

X. Relocation of Evidence

Following completion of the in-situ collapse component cataloging, all reasonably transportable elements shall be carefully disassembled and relocated to a secured facility procured by the Indiana State Fair Commission. A qualified erection contractor retained by the Indiana State Fair Commission shall conduct all disassembly under the direction of Thornton Tomasetti personnel. An equipment rigging and moving contractor shall transport all components to the facility. All disassembly and relocation shall be conducted in a controlled manner and all components shall be subject to Chain of Custody regulations as noted in the Chain of Custody Protocol.

Within the facility all components will be assembled in an organized manner that will permit easy and safe access. It is likely that some components will be assembled per their pre-relocation condition, while others will be staged and organized in adjacent positions.

Access to the relocation facility shall be coordinated in a manner similar to that referenced above and access request requirements shall be published at such time as the relocation commences.

Once evaluation and testing is complete and a Final Report issued, the Indiana State Fair Commission will provide a sixty (60) day notice for all Interested Parties wishing to preserve and/or relocate components. Any such subsequent preservation and relocation efforts shall be at the cost of the Interested Party making said request. After this sixty (60) day period has elapsed, all remaining components shall be disposed of.

X. Limitations

In the event that site access is affected because of natural disaster or decrees of governmental bodies not the fault of the Indiana State Fair Commission (hereinafter referred to as a "Force Majeure Event"), ISFC shall immediately give notice via the Incident website or other available means. ISFC and their consultants will endeavor to resume access to the site as soon as practical and safe.

END OF DOCUMENT