

Urban Building Demolition & Shoring Inspection Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

Shoring System Inspection

☐	Verify shoring system load capacity matches or exceeds calculated loads from engineering survey (documented calculations available on site).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Inspect all shoring members (posts, beams, bracing) for damage (cracks, bends, corrosion) before installation and daily. Replace damaged members immediately.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm vertical alignment of shoring posts using a plumb bob or laser level. Maximum allowable deviation: +/- 1/4 inch per 10 feet of height.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure shoring baseplates are in full and level contact with the supporting surface. Use shims as needed to achieve full contact.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Check tightness of all shoring wedges and connections. Retighten as needed to maintain proper load transfer. Document wedge torque values.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify splice connections in shoring members are properly installed and tightened according to manufacturer's specifications. Inspect for slippage or loosening.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Monitor ground settlement around shoring footings daily. Maximum allowable settlement: 1/8 inch. Implement corrective action if settlement exceeds this limit.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Confirm engineering survey of shoring system is conducted daily, prior to commencement of demolition activities. Document survey results.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Inspect shoring system for weather-related damage (corrosion, water accumulation). Implement measures to protect shoring from weather exposure.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure safe access and egress are maintained around the shoring system. Clear pathways of obstructions and debris.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Demolition Sequencing & Pre-Weakening

☐	Verify demolition sequence adheres strictly to the approved demolition plan and engineering survey recommendations. Document any deviations.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm load-bearing walls are clearly identified and marked on site plans and in the field before any pre-weakening or demolition occurs.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure pre-weakening operations (e.g., controlled cuts) are performed under direct supervision of a qualified structural engineer.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify depth and extent of pre-weakening cuts are within specified limits outlined in the demolition plan and engineering calculations.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Monitor adjacent structures for signs of distress (cracks, settlement) during demolition activities. Implement corrective action if necessary.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Establish and maintain a clearly defined demolition zone with restricted access. Use barricades, signage, and spotters to prevent unauthorized entry.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure material removal path is clear of obstructions and adequately supported. Inspect debris chutes for damage and proper installation.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Inspect debris chute connections, supports, and discharge point daily. Ensure chute is properly secured and prevents uncontrolled debris release.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify dust control measures (water suppression, enclosures) are in place and effectively minimizing dust emissions. Monitor air quality.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Implement vibration monitoring program if demolition activities may impact adjacent structures. Compare readings to acceptable limits.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Mobile Equipment & Heavy Machinery

☐	Conduct daily inspection of all mobile equipment (excavators, loaders, cranes) before operation. Document inspection results.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify all equipment operators are properly trained and certified to operate the specific equipment being used. Maintain records of certifications.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure load charts are readily available and legible for all cranes and lifting equipment. Operators must understand and adhere to load limits.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Identify and mitigate proximity hazards (overhead power lines, underground utilities) before operating mobile equipment. Maintain safe clearance distances.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify backup alarms are functioning properly on all mobile equipment. Repair or replace alarms immediately if defective.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure all mobile equipment is equipped with rollover protection (ROPS) and seatbelts. Operators must wear seatbelts at all times.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Establish and maintain clear travel paths for mobile equipment. Minimize congestion and potential for collisions.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Implement safe refueling procedures for mobile equipment. Prohibit smoking and open flames during refueling. Use spill containment measures.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify parking brakes are engaged when mobile equipment is parked on slopes or uneven surfaces.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Test the horn on all mobile equipment daily to ensure it is functioning correctly.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Personal Protective Equipment (PPE)

☐	Ensure all personnel on site are wearing properly fitted hard hats that meet ANSI Z89.1 standards.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify appropriate eye protection (safety glasses, goggles, face shields) is worn based on the task being performed (e.g., cutting, grinding, demolition).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure hearing protection (earplugs, earmuffs) is worn in areas where noise levels exceed 85 dBA. Conduct noise monitoring to determine exposure levels.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Verify appropriate hand protection (gloves) is worn based on the task being performed (e.g., handling debris, operating equipment).	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure all personnel are wearing safety shoes or boots that meet ANSI Z41 standards.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify all personnel working near mobile equipment or in traffic areas are wearing high-visibility clothing (vests, jackets) that meet ANSI 107 standards.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	If respiratory hazards are present (dust, fumes), ensure a respiratory protection program is in place, including fit testing, medical evaluations, and proper respirator selection.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Inspect all PPE for damage or defects before each use. Replace damaged PPE immediately. Maintain PPE in good working condition.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify all personnel have received training on the proper use, care, and maintenance of required PPE.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Inspect fall protection harnesses daily for rips, tears, fraying, or other damage before each use.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Documentation & Communication

☐	Verify the approved demolition plan, including engineering calculations and shoring design, is readily available on site.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm daily engineering survey reports are completed and readily available for review. Reports must document shoring system condition and any observed deviations.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Verify a pre-demolition survey was conducted to identify potential hazards (asbestos, lead paint, utilities) and documented.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Confirm a competent person has been designated and is present on site to oversee demolition activities and ensure compliance with safety regulations.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure emergency contact information (fire, police, ambulance, hospital) is readily available and posted in a conspicuous location.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Conduct daily toolbox talks to discuss specific hazards and safety procedures for the day's activities. Document attendance and topics covered.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Maintain a log of all personnel entering and exiting the demolition site. Restrict access to authorized personnel only.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure a hazard communication program is in place, including SDSs for all hazardous materials used on site. Train employees on hazard recognition and safe handling procedures.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Maintain a detailed log of all shoring inspections, including dates, times, findings, and corrective actions taken.	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ensure incident reporting procedures are clearly defined and understood by all personnel. Investigate all incidents and implement corrective actions to prevent recurrence.	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____