

# Job Hazard Analysis

(Always Wear Proper PPE)

|                          |                        |
|--------------------------|------------------------|
| <b>Project:</b>          | <b>Superintendent:</b> |
| <b>Task: Hoe Ramming</b> | <b>Date:</b>           |

| Step                                      | Potential Hazards                                | Safe Procedures/ Crew Responsibilities   |
|---|--|--|
| <b>Preparation</b>                        |  | <ul style="list-style-type: none"> <li>• Designate a Competent Person or persons</li> <li>• Review P3 (Preparation Planning Procedures) and Hazard Analysis with crew</li> <li>• Complete and review STA's daily</li> <li>• Assess location and conditions*</li> </ul>       |
| <b>Proper Layout</b>                      |  | <ul style="list-style-type: none"> <li>• Review plans and specs</li> </ul>   |
| <b>Mark and locate existing utilities</b> | Damage to underground utilities                  | <ul style="list-style-type: none"> <li>• Notify Dig Safe and all non-member utilities prior to start</li> <li>• Maintain markings and mark utility locations on plans</li> <li>• Use hand tools to dig within 18" of the marked line until the utility is exposed</li> </ul> |
|   | Injury to employee if live electric line is hit  | <ul style="list-style-type: none"> <li>• De-energize electric lines if possible while locating</li> </ul>  |
| <b>Expose rock or concrete structure</b>  | Test pit or excavation cave-in                   | <ul style="list-style-type: none"> <li>• Use proper shoring while locating existing utilities</li> </ul>   |
|   | Falling or tripping into test pits or excavation | <ul style="list-style-type: none"> <li>• Keep work area around test pits clean and free of trip hazards</li> <li>• Berm or barricade test pits</li> <li>• Use a ladder in good condition to access holes over 4' deep</li> </ul>   |

|                          |                        |
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| <b>Step</b>  | <b>Potential Hazards</b>                            | <b>Safe Procedures/ Crew Responsibilities</b>   |
|--|---|---|
| <b>Expose rock or concrete structure continued</b> | Materials falling into test pit or excavation       | <ul style="list-style-type: none"> <li>• Keep spoil piles neat and at least 2' from edges of excavation</li> </ul>  |
|  | Damage to overhead utilities                        | <ul style="list-style-type: none"> <li>• Follow the 10' overhead clearance rule</li> </ul>  |
|  | Personnel struck by equipment or trucks             | <ul style="list-style-type: none"> <li>• Ensure back up &amp; travel alarms are working and loud enough</li> <li>• All employees wear high-visibility vests at all times</li> <li>• Maintain eye contact with operators and drivers</li> <li>• Give machines and trucks the right of way</li> </ul> |
|  | Struck by flying debris                             | <ul style="list-style-type: none"> <li>• Designate a safety zone to keep personnel a safe distance from hoe ram operation</li> <li>• Install safety glass or screen over excavator's windshield</li> </ul>  |
| <b>Install structure</b>                           | Flying debris damages adjacent property             | <ul style="list-style-type: none"> <li>• Position hoe ram back to adjacent property; or</li> <li>• Place barriers to stop flying debris from hitting property</li> </ul>  |
|  | Impalement hazards from exposed rebar               | <ul style="list-style-type: none"> <li>• Place barricades around area with exposed rebar; or</li> <li>• Cut off or cap rebar in work areas</li> </ul>   |
|  | Hit by rocks falling off side of truck being loaded | <ul style="list-style-type: none"> <li>• Properly secure loads</li> <li>• Stay in haul unit while being loaded</li> </ul>   |

