

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Light Base/Precast Bollard Installation	Date:

Step	Potential Hazards	Safe Procedures/ Crew Responsibilities
Preparation		<ul style="list-style-type: none"> • Designate a Competent Person or persons • Review P3 (Preparation Planning Procedures) and Hazard Analysis with crew • Complete and review STA's daily • Assess location and conditions*
Proper Layout		<ul style="list-style-type: none"> • Review plans and specs
Excavate for the structure	Damage to existing buried utility lines	<ul style="list-style-type: none"> • Notify Dig Safe prior to starting and maintain marks • Notify other private utilities to mark their lines • Follow 18" rule for locating utilities: Use hand tools to dig within 18" of the marked line until the utility is exposed
	Damage to overhead lines	<ul style="list-style-type: none"> • Follow the 10' overhead clearance rule
	Cave-in of trench or test pit	<ul style="list-style-type: none"> • Use proper sloping or shoring while locating existing utilities and installing structure
	Struck by objects falling into excavation	<ul style="list-style-type: none"> • Spoil pile must be at least 2' from edge of excavation • Good housekeeping next to trenches
	Person falling or tripping into hole	<ul style="list-style-type: none"> • Keep work area clean: pick up all debris, tools, and supplies • Use berms or barricades to keep people away from the hole • Use an inspected and secured ladder to enter 4' deep holes • Create proper access for holes <4' deep.

Project:	Superintendent:
Task: Light Base/Precast Bollard Installation	Date:

Step	Potential Hazards	Safe Procedures/ Crew Responsibilities
Excavate for the structure continued	Struck by trucks/equipment	<ul style="list-style-type: none"> • Back-up or travel alarms must be functioning • Maintain eye contact with the operator and keep a safe distance
	Struck by excavated or dumped materials	<ul style="list-style-type: none"> • Keep people away from loading and dumping operations • Truck drivers stay in trucks while being loaded
Install structure	Water in excavation	<ul style="list-style-type: none"> • Dewater (see 'Dewatering' JHA) if water is present
	Rigging failure	<ul style="list-style-type: none"> • Competent Person looks up or calculates weight of the structure and uses proper rigging for the load • Inspect all rigging equipment prior to use • Inspect structure for defects especially near lift points
	Struck by structure; caught in pinch points	<ul style="list-style-type: none"> • Maintain arms length from structure at all times • Avoid being between structure and any other objects such as shoring • No one is allowed in the hole until the structure has been lowered to within 1 foot of the ground
Backfill structure and compact	Structure tipping over before backfilling	<ul style="list-style-type: none"> • Brace and support structure until initial lift of backfill material has been placed and compacted
	Injuries from improper use of big foot or pogo tamp	<ul style="list-style-type: none"> • Employees are trained to use the equipment properly

