

Photo 1

Number	High-Energy Hazard Description	High-Energy Hazard	Direct Control Description	Direct Control?	Classification	Score	Notes
1	Suspended load lateral swing (Motion and potential for pinch point)	Motion: Other	No exclusion zone with hard barricade	No	Exposure	0	An exclusion zone is needed around suspended loads because of the motion component. Suspended loads require both proper rigging and an exclusion zone near the moving load.
2	Suspended load (Gravity and potential for fall/crush)	Gravity: Suspended	Proper rigging	Yes	Success	1	This one is tricky. I think we can say that the suspended load was rigged appropriately.
3	Electrical conduit	Electrical: Electrical	De-energization	Yes	Success	1	
4	Potential for arc flash	Electrical: Arc flash	De-energization	Yes	Success	1	
5	Fall into 8 ft vault	Gravity: Fall from ele	No barricade	No	Exposure	0	
6	Traffic passing by work zone	Motion: Mobile equ	Machinery & work vehicles barrier	Yes	Success	1	

HECA score 67%

Photo 2

Number	High-Energy Hazard Description	High-Energy Hazard Icon	Direct Control Description	Direct Control?	Classification	Score	Notes
1	Fall into hole 6 ft deep	Gravity: Fall from elevation \geq 4 ft	No hard barricade	No	Exposure	0	
2	Unsupported excavation	Pressure: Excavation of trench \geq 5 ft	No trench box or other support	No	Exposure	0	
3	Moving excavator	Motion: Mobile equipment/traffic with workers on foot	No hard barricade	No	Exposure	0	
4	Traffic passing by work zone	Motion: Mobile equipment/traffic with workers on foot	No hard barricade	No	Exposure	0	

HECA score 0%

Photo 3

Number	High-Energy Hazard Description	High-Energy Hazard Icon	Direct Control Description	Direct Control?	Classification	Score	Notes
1	Work at 23 feet of height	Gravity: Fall from elevation ≥ 4 ft	No proper fall protection	No	Exposure	0	
2	Heat from the weld	Temperature: High temperature $\geq 150^*$ F	Full FR clothing, face shield, and gloves	Yes	Success	1	
3	Flammable materials with ignition source	Temperature: Fire with sustained fuel source	No fire suppression system	No	Exposure	0	

HECA score 33%

Photo 4

Number	High-Energy Hazard Description	High-Energy Hazard Icon	Direct Control Description	Direct Control?	Classification	Score	Notes
1	Work at height in bucket	Gravity: Fall from elevation \geq 4 ft	Proper fall arrest system	Yes	Success	1	
2	Live electrical lines	Electrical: Electrical contact with source \geq 50 volts	Sleeves	Yes	Success	1	
3	Potential for arc flash	Electrical: Arc flash	Proper arc-rated PPE	Yes	Success	1	
4	Suspended load lateral swing	Motion: Other	Exclusion zone	No	Exposure	0	The rigging used doesn't have proper rigging for horizontal and vertical lift
5	Suspended load	Gravity: Suspended load	Proper rigging needed and/or exclusion zone with hard barricade	No	Exposure	0	
6	Side boom tracking	Motion: Mobile equipment/traffic with workers on foot	No energy mitigation, and operation was vulnerable to human error.	No	Exposure	0	
7	Traffic with worker on foot	Motion: Mobile equipment/traffic with workers on foot	Roadway closed with hard barricades	Yes	Success	1	

HECA score 57%

Photo 5

Number	High-Energy Hazard Description	High-Energy Hazard Icon	Direct Control Description	Direct Control?	Classification	Score	Notes
1	Operating work vehicled parked on site road.	Motion: Mobile equipment/traffic with workers on foot	No hard barricades	No	Exposure	0	
2	Suspended load	Gravity: Suspended load	Proper rigging	Yes	Success	1	
3	Suspended load lateral swing	Motion: Other	Specific lateral restriction on rigging through tower crane.	Yes	Success	1	
					HECA score	67%	