

**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 $\geq 4$ ft	No proper fall protection	No	Exposure	0	
2	Heat from the weld	Temperature: High temperature $\geq 150^{\circ}$ 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	
					<b>HECA score</b>	<b>67%</b>	