Preconstruction Risk Assessment

Project Title:	Parking Ramp Expansion	**Project #:**	528-375
Location:	Outdoors (Bldg 29)	**Project COR:**	Robert Cebulski
Project Description:	Expand Parking Ramp (2 level vertical expansion, new stair tower and improvements to surrounding grounds).		

Areas Affected: List locations of construction and the spaces that will be affected by any means by work in that area

	Construction Area	Unit Below	Unit Above	Lateral	Lateral	Behind	Front
Location	**Bldg 29**	**N/A**	**N/A**	**N/A**		**N/A**	**N/A**
Location	**Bldg 1 Basement**	**Subbasement**	**1st floor**	**basement**			
Location							
Location							

General Safety

AIR QUALITY

AIR QUALITY: Will there be any compromise to the quality of the building air?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Asbestos	NO						
Lead	NO						
Dust	YES	Bldg 29 / surrounding grounds	1	D	1D	**ICRA Permit**	Containment / PPE
Silica	YES	Bldg 29 / surrounding grounds	1	D	1D	**Silica exposure control plan**	Dust mitigation meausres (water) and proper PPE
Other (Fumes):	YES	Bldg 29 / surrounding grounds	1	D	**1D**	**ICRA Permit / Respiratory Protection Plan**	Ventilation / PPE

VENTILATION

VENTILATION: Will there be any compromise to the building ventilation or air handling systems?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Outside Air Intakes	YES	Stair Towers / Elevator	1	B		**ICRA Permit**	Turn off fans
Exhaust Systems	YES	Stair Towers / Elevator	1	B		**ICRA Permit**	Turn off fans
HVAC Outage	YES						

Other:	NO						
Other:	NO						

MOISTURE/TEMPERATURE

MOISTURE/TEMP: Are there any anticipated moisture or temperature concerns?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Humidity	YES	Bldg 29 / surrounding grounds	1	D	1D	**None**	temporary tenting if needed, or wait for proper weather
Ambient Temperature	YES	Bldg 29 / surrounding grounds	1	D	1D	**Safety Plan**	temporary tenting if needed, or wait for proper weather
Other:	NO						
Other:	NO						

UTILITIES

UTILITIES: Are there any anticipated utility disruptions?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Communication/ Telephone/IT Disruption	YES	Bldg 29	1	C	1C	**Project Schedule**	Coordination with VA to ensure any outages are well coordinated and performed outside of normal operating hours.
Electrical System Disruption	YES	Bldg 29 / Bldg 1	3	C	3C	**Outage Plan, Electrical saftey plan, LOTO and AHA**	Communication / Work outside of normal operating hours
Security System Disruption	YES	Possible impact to security cameras	1	A	1A	**Project Schedule**	Coordination with VA to ensure any outages are well coordinated and performed outside of normal operating hours.
Steam System Disruption	NO						
HVAC Disruption	YES	Bldg 29 stair towers & elevator	1	D	1D	**Project Schedule**	Coordination with VA. Close stairs and elevator to patients / visitors / non project related staff.
Medical Gas/Vacuum Disruption	NO						
Natural Gas/Propane Disruption	YES	Building 1 (Nat Gas)	3	D	3D	**Project Schedule**	Coordination with VA to ensure any outages are well coordinated and performed outside of normal operating hours / limit impacts.
Sewer/Sanitary Disruption	NO						
Water Disruption	YES	South fire line	3	C	3C	**Project Schedule**	Potentially perform wet-tap (no need to shut the line down). Limit down time. Provide secondary fire control measures.
Fire Suppression Disruption	YES	see above	3	C	3C	**see above**	see above
Fire Detection Disruption	YES	Potential disruption to bldg 29	2	B	2B	**Project Schedule**	Provide temporary heat detection. Limit down time (if any). Contractor to coordinate any outage with the VA.
Other:							

Other:							

NOISE

NOISE: Will there be any unusually loud or high-pitched noise levels anticipated?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Sawing	YES	Bldg 29 and surrounding grounds	1	D	1D	**Hearing Conservation Plan**	Work that produces excessive noise will need to occur outside of normal operating hours
Hammering	YES	Bldg 29 and surrounding grounds	1	D	1D	**Hearing Conservation Plan**	Work that produces excessive noise will need to occur outside of normal operating hours
Drilling	YES	Bldg 29 and surrounding grounds	1	D	1D	**Hearing Conservation Plan**	Work that produces excessive noise will need to occur outside of normal operating hours
Excavation	YES	Bldg 29 and surrounding grounds	1	D	1D	**Hearing Conservation Plan**	Work that produces excessive noise will need to occur outside of normal operating hours
Grinding	YES	Bldg 29 and surrounding grounds	1	D	1D	**ICRA Plan / Hearing Conservation Plan**	Work that produces excessive noise will need to occur outside of normal operating hours
Other:							

VIBRATION

VIBRATION: Will Vibration levels be excessive to affect the operation of hospital type equipment or machinery?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Sawing	YES	Bldg 29 and surrounding grounds	1	D	1D		Work that produces excessive vibration will need to occur outside of normal operating hours
Hammering	YES	Bldg 29 and surrounding grounds	1	D	1D		Work that produces excessive vibration will need to occur outside of normal operating hours
Drilling	YES	Bldg 29 and surrounding grounds	1	D	1D		Work that produces excessive vibration will need to occur outside of normal operating hours
Excavation	NO	Bldg 29 and surrounding grounds	1	D	1D		Work that produces excessive vibration will need to occur outside of normal operating hours
Soil Compaction	NO	Bldg 29 and surrounding grounds	1	D	1D		Work that produces excessive vibration will need to occur outside of normal operating hours
Vibratory Rollers	NO	Bldg 29 and surrounding grounds	1	D	1D		Work that produces excessive vibration will need to occur outside of normal operating hours
Grinding	YES	Bldg 29 and surrounding grounds	1	D	1D	**ICRA Plan**	Work that produces excessive vibration will need to occur outside of normal operating hours
Other:							

EMERGENCY MANAGEMENT

EM: Does construction present any conflicts or challenges to the facility EM Plan?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures

Emergency Power Affected	NO						
Water Tower Affected	NO						
Fuel Supply Affected	NO						
Radio System Affected	NO						
Other:							
Other:							

SECURITY

SECURITY: Will the construction anticipate general security concerns?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Work Requires Access to Secured Areas	YES	Building 1 and 29 electrical rooms. IT closets for security and fire protection.	1	D	1D	**Issue badges to contractor**	Frequent inspection of work. Unit supervisor will have employee present when work is being performed
Facility Gate Security Affected	NO						
Other:							
Other:							

OTHER ANTICIPATED HAZARDS NOT LISTED

OTHER HAZARDS: Are there any anticipated hazards not listed in the above sections?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	Proposed Control Measures
Off-tour Construction Necessary	YES	Bldg 29 and surrounding grounds	1	D	1D	Project schedule	Clear and up to date work schedule and associated scope of operations to be performed. Coordination with affected VA staff.
Permit Required Confined Space (PRCS) Entry Necessary	NO						
Welding, Cutting or brazing necessary that requires Hot Works Permit	YES	Bldg 29 and surrounding grounds	1	D	1D	**Fire prevention plan. Safety plan. Hot work permit.**	Perform work in a safe manner. Have fire suppression available while performing work.
Potential Infection Prevention Impacts	NO						
Excavation of Soil	YES	Bldg 29 Surrounding grounds	3	D	3D	**Safety / excavation plan**	Use shoring where possible. Fence off open excavations. Follow OSHA excavation requirements.
Work on live electrical systems	NO						

Work on energized non-electrical systems	NO						
Lift of materials with crane	YES	Bldg 29 and surrounding grounds	3	D	3D	**Lifting Plan(s)**	Follow lifing plan. Clear the crane swing radius. Use proper rigging. Check weights. Pre-lift meetings.
Other:							
Other:							

If a safety issue exists as indicated by this risk assessment additional safety actions shall be performed and implemented PRIOR to start of work.

LIFE SAFETY

Will activities restrict EGRESS from the affected space?	YES
Is affected component part of a Life Safety System?	NO
Is the activity in a PATIENT CARE AREA or will it affect a PATIENT CARE AREA?	NO

LIFE SAFETY: Will construction affect the life safety systems or components of the facility?

EXIT ROUTES (MEANS OF EGRESS COMPONENTS)

EGRESS: Will construction affect egress components?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	ISLM to be implemented
Exit from occupied areas will be compromised	YES	Bldg 29 stair towers and elevator	Category 3 (3)-Deficiency not likely to cause injury	Local/Single Unit (3)-Impacts a single smoke compartment or		Phasing plan	1. Post alternative exit signage, 6. Increase hazard surveillance, 9. Conduct additional quarterly fire drills per shift per quarter in affected areas, 11. Train personnel in affected areas
Exit stairs will be compromised (egress or fire resistance)	YES	Bldg 29 stair towers and elevator	Category 3 (3)-Deficiency not likely to cause injury	Local/Single Unit (3)-Impacts a single smoke compartment or		Phasing plan	1. Post alternative exit signage, 6. Increase hazard surveillance, 9. Conduct additional quarterly fire drills per shift per quarter in affected areas, 11. Train personnel in affected areas
Other:							
Other:							

FIRE PROTECTION SYSTEMS

FIRE PROTECT: Will construction affect the fire detection/suppression systems or components?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	ISLM to be implemented
Fire Alarm Components will be compromised	YES	Bldg 29 - potential short term outage				Confirmation that impacts will occur. VA approved contractor approach for addressing impacts.	3. Provide temporary but equivalent fire alarm / detection system
Sprinkler/Fire Suppression System Components will be compromised	NO						

Fire Department Access to detection/ suppression components will be compromised	YES	Bldg 29 - potential short term impacts	Category 4 (4)-Deficiency likely has minimal impact to safety	Multiple Unit/Floors (2)-Impacts multiple smoke compartments	Cat 4 MUF	Confirmation that impacts will occur. VA approved contractor approach for addressing impacts.	3. Provide temporary but equivalent fire alarm / detection system
Other:							
Other:							

SMOKE AND FIRE BARRIERS/PARTITIONS

BARRIERS: Will construction affect any smoke/fire barriers or partitions?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	ISLM to be implemented
Smoke or Fire Barriers/ Partitions will be penetrated or removed (includes ceiling and hazard areas)	YES	Bldg 29 stair towers and elevator	Category 4 (4)-Deficiency likely has minimal impact to safety	Multiple Unit/Floors (2)-Impacts multiple smoke compartments	Cat 4 MUF	Areas impacted will not be open for use - this will be confirmed with the contractor in writing.	5. Provide temporary construction partitions
Vertical Openings will be Compromised	YES	Bldg 29 stair towers and elevator	Category 4 (4)-Deficiency likely has	Multiple Unit/Floors (2)-Impacts multiple	Cat 4 MUF	Areas impacted will not be open for use - this will be confirmed with the contractor in writing.	5. Provide temporary construction partitions
Other:							
Other:							

CONSTRUCTION SPACES

CONST. SPACES: Will construction spaces create a higher hazard to occupants (including those doing the work)?

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	ISLM to be implemented
Construction Space Being Open to Occupants Creates an Infection Control Issue	NO						
Construction Space Being Open to Occupants Creates a Fire Safety Issue	NO						
Egress From Inside Construction Space will be Compromised	YES	Bldg 29 stair towers and elevator	Category 4 (4)-Deficiency likely has minimal impact to safety	Multiple Unit/Floors (2)-Impacts multiple smoke compartments	Cat 4 MUF	Phasing plan to ensure egress is always available.	1. Post alternative exit signage
Other:							

Other:							

OTHER

Condition	Condition Present	Areas Impacted	Severity of Hazard	Likelihood of Hazard Occuring	Risk Level	Documents Required	ISLM to be implemented
Other:							
Other:							
Other:							
Other:							
Other:							

Note: All required ILSM shall be in accordance with the facility ILSM policy and developed separate from this assessment. If required, ILSM shall be performed and implemented ***PRIOR*** *to the start of work involving locations affected by the ILSM*

Additional Narrative:

APPROVALS

Position	Name	Signature	Date
COR	Robert Cebulski	ROBERT CEBULSKI Digitally signed by ROBERT CEBULSKI Date: 2024.10.28 11:47:18 -04'00'	10-28-24
Safety Manager/IH	Eric Thompson	ERIC THOMPSON Digitally signed by ERIC THOMPSON Date: 2024.10.28 12:08:57 -04'00'	10-28-24
Engineering Supervision	Zachary Reisdorf	ZACHARY REISDORF Digitally signed by ZACHARY REISDORF Date: 2024.11.01 15:17:33 -04'00'	11-01-24
Facilities Operations and Maintenance	Mark Parsons	BRYAN SILVERBLATT Digitally signed by BRYAN SILVERBLATT Date: 2024.11.06 14:31:38 -05'00'	11-06-2024
Patient Safety	Michelle Rotella	MICHELLE ROTELLA Digitally signed by MICHELLE ROTELLA Date: 2024.11.06 14:51:25 -05'00'	