OP 551 - Project Planning



	Act	Activity Hazard Analysis – 1.0	vsis - 1.0					
Activity/Work Task: Mobilizat	Mobilization/Demobilization	0,	/erall Risk /	Assessment	Code (RA	C) (Use	Overall Risk Assessment Code (RAC) (Use highest code))
Project Location: UNC New Haven	ven		Ris	isk Assessn	k Assessment Code (RAC) Matrix	(RAC)	Vlatrix	
Contract Number: 10-1007.00		2	•		P	Probability	y	
Date Prepared: 10/4/2016		Sev	Severity	Frequent	Likely	Occasional	Seldom	Unlikely
		Catas	Catastrophic	E	PS	H	H	M
Prepared by (Name/Title): Greg Bright, RRPT	Bright, RRPT	Ç	Critical	E	H	H	M	
Reviewed by: Sean Liddy, CSP		Ma	Marginal Neolioible	H	M	M		
Competent Person (if applicable):	e);	Step 1: F	Step 1: Review each "Hazard" with identified safety "Controls"	ard" with identi	ñed safety "Co	ntrols"		
100		and deter	and determine KAC (See above)	bove)	in ideas and		RAC Chart	hart
Notes: (Field Notes, Review Comments, etc.) The following outlines minimum requirements per	Notes: (Field Notes, Review Comments, etc.) The following outlines minimum requirements per accordance with the approved APP for		"Probability" is the likelihood to cause an incident, near miss, or accident and identified as: Frequent, Likely, Occasional, Seldom or Unlikely	nood to cause an incident, near miss, o Frequent, Likely, Occasional, Seldom	incident, near n Occasional, Se	liss, or ldom		
the project site. Subcontractors are reminimum requirements established for	the project site. Subcontractors are responsible for performing tasks in accordance with the minimum requirements established for the site and in accordance with their own HS&E and the condenses. Subcontractors shall review and supplement the AHA with	the	"Severity" is the outcome/degree if an incident, near miss, or accident did occur and identified as: Catastrophic, Critical, Marginal or Neoligible	degree if an incintified as: Catastr	dent, near miss, ophic, Critical,		E = Extremely High Risk H = High Risk	ı Risk
company specific HS&E guidance. M forwarded to the PM/SSHO and revie	company specific HS&E guidance. Modifications or changes to the AHA should be forwarded to the PM/SSHO and reviewed by all project staff prior to performing the task.	task.	Step 2: Identify the RAC (For each "Hazard" on AHA. the top of AHA.	(Probability/Severity) as E, H, M, or L Annotate the overall highest RAC at	erity) as E, H, N verall highest I	A, or L M = RAC at	= Moderate Risk	K
Personal Protective Equipment (PPE): Hard Hat Safety Glasses	es	☑ Long Pants/Sleeves	☐ Inner Glove		Fall Protection		Wide Brim Hat	
 ☐ Leather Glove ☐ Safety Goggles ☐ Kevlar Glove ☐ Safety Toe Boots Other PPE: Level D PPE 	⊠ Ear Plugs ☐ ☐ ☐ ☐ ☐	Coveralls (coated) Flame Resistant Clothing	☐ Cuter Glove☐ Face Shield		Welding PPE		Cartridge/Filter Type:	уре:
Safety Equipment: Sirst Aid Kit	n Station ⊠ Eyewash Bottles g Poles ⊠ Insect Repellent	∑ Fire Extinguisher (A-B-C) ☐ Wheel Chocks	A-B-C)	Pop-up Shade Cargo Net		Sunscreen 🔲 Drir Stretch First Safety First	☑ Drinking Water cety First	later
Monitoring Procedures and Action	Monitoring Procedures and Action Levels (Refer to Section 3.0 of SSHP):	TET) TO POR (Respirable Diret)	irable Dust) [Total Dust)		Radiological Meter		Personal Air Pump
Chemicals of Concern (COC): None.	· :		8					
Job Steps	Hazards			Controls	ols			RAC
Pre-trip Planning	Traffic delays, weather	-Plan your route, research construc	search constru	ection delays,	tion delays, weather impacts	acts		
Complete Vehicle Inspection	Unserviceable vehicles	-Inspect vehicle for deficiencies, report and correct prior to use. Complete vehicle inspection log each day prior to use.	r deficiencies, day prior to u	report and co	rect prior to	use, Comp	lete vehicle	
Safety Equipment	Unsecured driver, passenger, or gear	ar Always use seatbelts while vehicle is in motion, lock doors with a cargo net or rope. Secure all loose equipment in cab.	lts while vehice rope. Secure	cle is in motic all loose equi	is in motion, lock doors. loose equipment in cab.		Always secure the load	

Job Steps Backing	Hazards Blind spots; unseen objects	Controls -Always use a spotter when backing, check mirrors and over shoulder Back into parking spaces upon arrival, whenever possible. When preparing to move or back vehicles, walk around the vehicle 360 degrees before entering vehicle to identify
		any new conditions or obstructions. Use a spotter when backing whenever possible. Determine and agree upon hand signals (between spotter and driver) before attempting to back vehicle. Check the rear-view and side mirrors prior to backing (Note: All vehicles, other than automobiles, must have small convex mirrors attached to the side mirrors.) Back slowly in areas of obstructed vision. Anticipate others who may be backing out into your pathway and adjust accordingly.
Driving	Rough road surface (potholes), sleepiness, Blind corners, reduced visibility due to dust, fog, snow,	-Keep eyes moving, use mirrors, follow posted signs, avoid distractions -Aim high in steering, -Maintain 15 sec eye lead time
	rain. Mobile devices	 -Leave yourself an out, maintain cushion around vehicle Get the big picture; -Avoid being boxed in, adjust speed to traffic, focus on driving, -Refrain from emotional discussions/NO CELL PHONE. -When approaching a blind corner slow down to 10 mph at least 250 feet from the
	Crossing Rail road tracks.	-During periods of reduced visibility, reduce speeds, pull over and stop until visibility improves, increase following distance during periods of decreased visibility. - Hand held phone use prohibited. No texting. Car on, phone off. - Stop, look, and listen before crossing railroad tracks. Be aware that multiple tracks may have more than one train using them, and the trains may be traveling in opposite directions. Look for direction from track spotter (if present).
Parking	Collision, injury to others, possible grass or brush fire from hot vehicle parts (catalytic converter) in contact with dry vegetation.	-Park away from other cars, set brake, park on level terrain, use wheel chocks and turn wheels if parked on sloped terrain. -Park only in cleared areas or where vegetation beneath vehicle is less than 6 inches tall.
Backing	Collision with stationary objects, backing into ditch	-Get out and look around vehicle before backing, use a spotterWhen parking, pull through or back in when possible.
Driving larger trucks/vans	Blind spots; unseen objects; longer stopping, distance; wider turning radius	-Driver should be familiar with the vehicle they are driving set sideview mirrors to reduce blind spots
Heavy equipment operations adjacent to and on site roadways	Collisions with heavy equipment, heavy equipment backing out into roadway from side roads or work areas along the roadways.	-Know the increased turning radius of the vehicle vs. a small compact
Heavy equipment cutting roads or clearing vegetation adjacent to roadways or at locations above roadways.	Falling rocks/debris	-Slow speeds when approaching heavy equipment activities along or adjacent to roadsStop and make contact with operator or spotter to ensure it is safe to passPass only when given permission by the operator or spotter.

Additional Safety Considerations

- All employees must receive site specific safety orientation prior to beginning work on the project site. Review APP and sign acknowledgment form.
- 32: No Chemical Hazards anticipated. Use caution around delivery trucks and stay clear if not involved in spotting operation. Use one person to communicate with driver via hand signals to avoid
- 4. Maintain eye contact with equipment operator during stone installation and use proper hand signals. Do not approach running equipment unless eye contact is made, and acknowledgment is received from operator. unnecessary confusion. Watch for overhead utilities. Wear high visibility vest or shirt at all times.
- S in the cab or bed or the truck. It can cause property damage or serious injuries to others or yourself by falling-off from vehicle. Stow all materials in vehicle properly, use appropriate cases and bags. Secure equipment in bed of truck with netting or straps. Do not leave any equipment loose
- 9 correct. Use a buddy to help secure equipment when possible. When securing equipment, watch for pinch points. Straps and netting can get caught on objects and snap back as well as trap a finger if hand placement is not
- 7. Keep clear area around work area, maintain good housekeeping practices. When possible, use mechanical equipment to perform lifting of heavy objects. When lifting, follow safe lifting practices. Use the buddy system when lifting.
- œ Avoid the use of chains for lifting. If necessary, ensure chain is equipped with annual load rating cert and proper hooks being used. For synthetic slings, ensure red
- 9. Keep line of site with co-worker and ensure regular verbal contact. If out of the line of site, ensure radio or cell phone contact is established and maintained warning line is not showing and item is in good condition. For wire ropes, inspect for broken wires (6 in a lay, 3 in a strand).

Equipment to be Used	Inspection Requirements	Training Requirements
Utility Vehicles	Daily Preventative Maintenance Checks	Vehicle & Driver Safety Awareness
		Familiarity with the vehicle being operated.
Communications Equipment	Daily communications Checks	Familiarity with the equipment.
		Knowledge of Emergency Response Procedures.
Hand Tools	Inspect hand tools for serviceability	Use hand tools for their intended purposes.
		Familiarity with the equipment.
		Other Training:
		-Evacuation, Emergency Response & Notification Procedures IAW APP.
		-Safe work practices and precautions IAW APP.
		-OSHA qualifications and training as required IAW APP.

All employees, subcontractors, and visitors must sign the Acknowledgement form, in this section, before conducting field activities at this site.

By signing this form, CABRERA employees agree that: I have read this Activity Hazard Analysis and I understand the requirements of the I will conduct work at this site in accordance with the requirements of the AHA.	ng this form, CABRERA employees agree that: I have read this Activity Hazard Analysis and I understand the requirements of the AHA. I will conduct work at this site in accordance with the requirements of the AHA.	uirements of the AHA. s of the AHA.	
By signing this form, subcontractors and visitors agree that: • I have read and understood the potential hazards associated with the site.	isitors agree that: otential hazards associated with th	ne site.	
 I have read this Activity Hazard to I will conduct work at this site in I will ensure compliance with my 	I have read this Activity Hazard Analysis and I understand the requirements of the AHA. I will conduct work at this site in accordance with the requirements of the AHA. I will ensure compliance with my company's policies on health and safety.	uirements of the AHA. s of the AHA. d safety.	
Name (Print)	Date	Company	Signature
Hunkidas	3/21/17	Cabrear	and the
	7-21-17	46	
Cohos Powers	2-21-17	AC	Chil
Rosey GRAY	41-18-18	AIG	hyholy
Mirch Parliner	2/21/17	Colorera	
Fred Riveres	2/23/17	AIG	A.
	0//00//0		(Showing)
Highwan Cone	7-11-01		