



UPF TYPICAL HAUL/LIFT PLAN

Work Package No. _____

Task No.: _____

Project Title		Project Number		
Record Number		Date		
General Description of Lift or Haul:				
Planned Date of:		Haul		Lift
Lift Category		<input type="checkbox"/> Medium		<input type="checkbox"/> Critical
Hazardous Material?		<input type="checkbox"/> Yes, Identify <input type="checkbox"/> No		Material Identification-
Responsible		Signature		Badge No.
Plan Prepared by: PRE				
Reviewed by: RS				
Reviewed by: S				
Required Approvals:				
Construction H&R SME				
Bechtel Certified Rigging Engineer				
UPF H&RRT (Critical Lift Only)				
Construction Manager (CM)				
Project Superintendent (PS)				
Project Field Engineer (PFE)				
Person in Charge (PIC)				
Competent Person Rigger (CPR)				
ES&H Safety Representative				



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RECORD NO.:			
Section I	Description of item to be hauled and/or lifted		
Tag No.		P.O. No./Item No.	
Name			
Weight	Lbs.	Tons	<input type="checkbox"/> Calculated <input type="checkbox"/> Vendor <input type="checkbox"/> Scale
Note: Weights should be verified if possible, especially when approaching hoisting equipment capacity. Attach actual weigh tickets if available.			
Dimensions	Width x Height x Length		Unit
Other Pertinent Information or special handling on Item			

Section II (page)	Lift Plan Sketches (List the sketch numbers and titles that fulfill the following requirements)
	1) Provide a sketch showing the position and travel path of haul equipment, hoisting equipment, lift crane, tailing crane, initial location of the item to be lifted, and the final "set" position of the lifted item.
	2) Provide a sketch showing all rigging hardware (slings, shackles, lifting beams, etc.). Sketch shall include attachment points, center of gravity and sling angles.
	3) Provide the layout of the work area, including the location of all obstacles and potential interferences. (if not included on item #1)
	4) Provide a sketch (or site drawing) showing the locations of underground utilities that could affect the haul route and/or rigging work operation or that require special clearances or cribbing to perform the work.

Section III (page)	Hoisting Equipment (Cranes)		
	<input type="checkbox"/> LIFT DATA SHEET—SINGLE CRANE PICK AND SET		
	<input type="checkbox"/> LIFT DATA SHEET – TWO CRANE PICK AND SET		
Other Equipment (Chain Hoist, Overhead Canes, etc.)			
Qty.	Description of Equipment	Size or Capacity	Last Inspected



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RECORD No:				
Section IV	Rigging / Below the Hook Equipment to be used (Slings, spreader bars, etc.)			
Qty.	Serial No.	Description	Size or Capacity	Last Inspected
Section V	Haul/Lift Characteristics			
	(1) Describe any special soil preparations and crane mat requirements that are required. (2) Describe the haul and lift path minimum clearances, turning radius, and clearance requirements from existing facilities, utilities, and overhead power lines. (3) Describe the communication method to be used by equipment operators and rigging crews during the haul and/or lift. (4) Describe any special considerations, such as the effect of wind on the ability of crews to safely complete the lift. (5) Provide written instructions on any special precautions that the work crew must be aware of prior to making the lift, (e.g. removal of temporary shipping skids prior to lifting)			
Section VI	Safety Considerations			
	(1) List any special work permits required for the area. (2) Detail any required Personal Protective Equipment (PPE) required. (3) Describe all flagging/barricading/signage required. (4) Prepare a list of key points each supervisor should cover in the safety briefings. (5) Each worker involved in the lift will receive a safety briefing, and/or pre-lift briefing.			
Section VII	Attachments			
	(1) <i>UPF Pre-Lift Briefing CFN-1094</i> (2) <i>UPF Pre-Lift Safety Checklist CFN-1092</i> (3) <i>UPF Hoisting and Rigging Hazard Evaluation CFN-1093</i>			

In developing haul/lift plans the following considerations must be addressed:

- a) Soil conditions and site terrain to verify access for lifting equipment and to ensure stability along the haul path and at the location of the lift.
- b) Underground utilities along the haul path or at the lift location to avoid damage to existing utilities and to ensure adequate ground support.
- c) The location of overhead power lines to ensure required clearances are maintained during both the heavy haul and lifting operations. Where travel routes pass under power lines, a warning system and signs must be posted on both sides of the intersection of the route and the power lines.
- d) Lift equipment and rigging hardware requirements including the method of removal following execution of the work.
- e) Access of haul and lift equipment into and out of the lift area. In some cases, assembly and disassembly of cranes or other equipment must be included in the planning process.
- f) Whether escorts are required to ensure safe movements of the load.
- g) Security considerations when hauls/lifts are to be performed in or near the Exclusion Area or sensitive process facilities.
- h) The need for a contingency plan based on typical risk scenarios.