

CRANE SAFETY – Lift Plan Consideration

The following guidelines will assist both OARs and Contractors in coordinating a safe crane lift.

1. Are there overhead utilities?
 - a. If so what are they (voltage) and where are they?
 - b. What are the distances from the lift?
 - c. How will safe distances be maintained?
 - d. Is having the utility company shut power an option?
2. Are there overhead obstructions along the path of travel while on school property?
If so, explain (obstruction height versus crane size and angle of approach).
3. Will overhead utilities be encountered while crane is in transit?
4. Will affected school facilities (such as buildings or fields) be vacated within crane's radius?
5. Will barricades (not caution tape) be used to isolate work area from non-work occupants?
6. Are tag lines used (no one under the load)?
7. Does the crane schedule show what the maximum weight capabilities for the crane are? Please email a copy of the worksheet and applicable pages from the crane manual (highlight) lift weights, counter balances, turn radius limitations, and etcetera.
8. Please provide the anticipated load weight.
9. Does total lift exceed 60% of crane's maximum capability?
10. If so, what is the final percentage of the crane's maximum weight?
11. What is the condition of the asphalt, concrete, or soil where the crane will be located?
12. Will trench plates, cribbing, or dunnage be required for the outriggers? If so, explain.
13. Present the operator's certificate and the cranes certifications to safety prior to commencement of operations.
14. How will winds at ground level (and especially wind aloft) be monitored
15. What is the boom length and angle?
16. Does boom length include a jib?
17. What maximum wind (ground or aloft) will cause work to stop?
18. What date and time is crane lift scheduled?
19. Where and when will tailgate meeting be held?
20. Will the crane be used from street location?
21. If operated from the street, will a street closure permit be required?

Documents to be presented as part of lift plan include:

1. Questionnaire answers
2. Lift Evaluation Form
3. Crane's quadrennial Inspection report
4. Annual inspection
5. Operator's certification
6. Complete load chart for crane being used
7. Proof of liability which includes
 - a. Loss coverage for LAUSD
 - b. Loss coverage for participating contractors (including their subs and crane company)
 - c. \$2M minimum coverage which includes vehicles.

Should you have any question or comments, please contact:

Jimmy Otero

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<http://mo.laschools.org/fis/existing-facilities/safety/>

"We Build on Safety!"

Lift Evaluation Form

Submitted by:

1. Activity Crane Lift				
Lift Location _____	Date of Lift _____			
2. Description of Load _____	Load Weight _____ Pounds			
	Block Weight _____ Pounds			
	Spreader Weight _____ Pounds			
	Rigging Weight _____ Pounds			
	Jib Weight _____ Pounds			
	Jib Ball Weight _____ Pounds			
	Hoist Line Weight _____ Pounds			
	Total Load _____ Pounds			
3. Crane Manufacturer _____	Max Boom Length Used _____ Feet			
Model No. _____	Crane Serial No. _____			
Maximum Load Radius _____ Feet	On Outriggers Yes			
Corresponding Boom Angle _____ Degrees	On Tires No			
Lift Will Be	<input checked="" type="checkbox"/> On Boom	<input type="checkbox"/> On Jib	<input type="checkbox"/> Over Side	<input type="checkbox"/> Over Rear
Rated Capacity _____				
Capacity Margin = (Total Load ÷ Rated Capacity) x 100 = _____% (80% is Maximum Capacity)				
1. Are There Under Ground Hazards? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Soil Conditions _____	Asphalt			
Are there Fire or Explosive Hazards Within Reach? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Has Permit Been Obtained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No n/a				
Prepared by _____	(Print) _____	(Date and sign) _____		
Operator _____	(Print) _____	NCCCO License # _____		

Crane Arrival Time _____

Tailgate meeting Time _____