



**INTERNATIONAL BOUNDARY & WATER COMMISSION
SAFETY INSPECTION FOR CRANES**

PROJECT _____
LOCATION _____

CONTRACT NO. _____
CONTRACTOR _____

INSPECTED BY _____
OBSERVED BY _____
COMPETENT PERSON _____

INSPECTION DATE _____
MAKE/MODEL _____
SERIAL NO _____

Based upon Safety and Health Requirements Manual EM385-1-1

CRANE INSPECTION CHECKLIST		Yes	No	N/A
Prior to being used onsite, all cranes and hoisting equipment shall be inspected tested, and certified in writing by a competent person. (16.A.02)				
1	Is the operating manual in the cab of the crane? (16.G.01.a)			
2	Is the load rating chart in the cab of the crane? (16.G.01.b)			
3	Does the load rating chart include:			
	(1) The crane make and model, serial number, and year of manufacturer			
4	(2) Load ratings for all crane operating configurations: including optional equipment			
5	(3) Recommended reeving for hoist line			
6	(4) Operating limits in windy or cold conditions			
7	Is the crane log book in the cab of the crane and has it been kept up to date? (16.G.01.d)			
8	Does the crane log book include all inspections, test, maintenance, and repairs on the hoisting equipment? (16.G.01.e)			
9	Is the operator is aware that the use of electronic equipment for entertainment purposes is prohibited? (16.A.05)			
10	Are there adequate side and rearview mirrors? (16.A.08.c)			
11	Are all windshields unbroken and uncracked? (16.A.08.h)			
12	Does the unit have a suitable fire extinguisher? (16.A.08.i) NOTE: Minimum 10B:C			
13	Is there an effective, working, reverse alarm? (16.A.08.j)			
14	Is there a wind speed indicator mounted on the crane? (16.A.08.k and 16.E.03.d(4))			
15	Is a safe means of access to the cab provided (steps, grab bars, non-slip surfaces)? (16.A.08.d and 16.A.11)			
16	Is adequate rollover protection provided? (16.A.09)			
17	Are maintenance and repair records available to the COR? (16.A.15.a)			
18	Have the qualifications of all crane operators been provided to the COR as a submittal? (16.B)			
19	Are monthly inspections documented and maintained for 12 months or the life of this Contract, whichever is longer? (16.D.08.a)			

20	Are records of all crane and hoisting equipment tests and inspections maintained onsite? (16.D.02 and 16.F.01)			
21	COR was provided ample notice prior to equipment entering the site. (16.D.03)			
22	Is there a crane level indicator? (16.E.01.a)			
23	Are there boom stops? (16.E.01.b)			
24	Are there jib stops? (16.E.01.c)			
25	With foot pedal brakes, are there locks? (16.E.01.d)			
26	Do hydraulic outriggers have holding devices (check valve)? (16.E.01.e)			
27	Is there is an operable horn? (16.E.01.g)			
28	Does the crane have a boom hoist limiting device? (16.E.03.d(1))			
29	Does the crane have a luffing jib limiting device? (16.E.03.d(2))			
30	Is crane equipped with A2B/Hoist-limit device? (16.E.03.d(3))			
31	Does the crane have required Category II Operational Aids? (16.E.03.e)			
32	Has a communication system been set up as required? (16.G.05)			
33	Are adequate clearances provided from electrical sources, fixed objects, and swing radius. (16.G.09 through 16.G.13)			
34	Is there an established means to monitor the local weather conditions? (16.I.01)			
35	Has an AHA for set-up and set-down procedures (mobilization, assembly, etc.) been completed? (16.J.02 and 16.K.02)			
36	Has an AHA been prepared specific to equipment being used to transport or hoist loads utilizing hooks, eyes, slings, chains, or other rigging?			
37	Are pile drivers equipped with positive and negative restraint device? (16.R.01)			
38	Do pile driver leads have stop blocks? (16.R.06.d)			
39	Do hoses connections to pile driver hammers or ejectors have chains to prevent whipping if joint is broken? (16.R.09)			
40	If pile driving, has an AHA been prepared to cover those operations?			

LOAD TEST CHECKLIST		Yes	No	N/A
Only after successfully passing the required inspection above shall the crane be set up and load tested.				
1	Load testing is considered a critical lift. Has a critical lift plan been completed? (16.F.03 and 16.H.02)			
2	When the load is raised, does the hoist brake hold it? (16.F.03.a(1))			
3	Is the crane able to swing the full range with the test load? (16.F.03.a(2))			
4	Can the boom be brought up and down within the allowable working radius while holding the test load? (16.F.03.a(3))			
5	Do the brakes hold when the test load is lowered? (16.F.03.a(4))			
6	Load testing was performed between 100% and 110% of the manufacturer's structural load rating chart? (16.F.03.b)			

REMARKS

Empty rectangular box for remarks.

ATTACHMENTS

- Hazard Analysis for Crane Set-up and Set-down Procedures
- Communications System
- Electrical Clearance Plan
- Load Test
- Critical Lift Plan

CORRECTION OF DEFICIENCIES (with date corrected)

Empty rectangular box for correction of deficiencies.

NOTE: Crane shall not be utilized until all deficiencies have been corrected. If at any time the machinery or mechanized equipment is removed from and subsequently returned to the project (other than equipment removed for routine off-site operations as part of the project), it shall be reinspected and recertified prior to use.

Superintendent

Contractor Quality Control Systems Manager

Subcontractor Foreman

Crane Operator