



Dearborn Crane and Engineering

1133 East 5th Street
Mishawaka, IN 46544
Phone: 574-259-2444
***.dearborncrane.com

***** Cover Sheet *****

To: Manuel Hernandez
Company: City of San Luis AZ
Email:

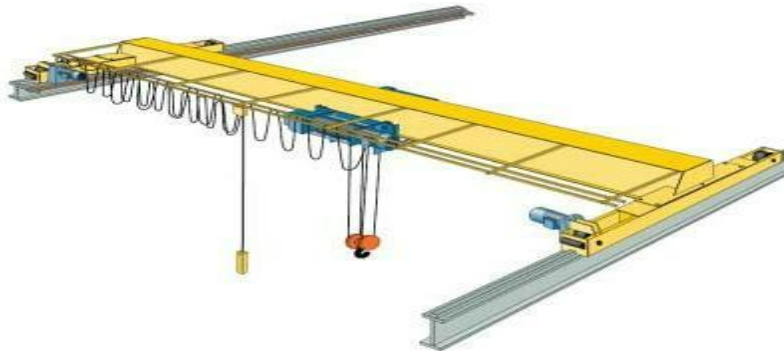
From: Ray Lyvers

Quote#: 183500 R1

Date: 12/28/22

Pages (including this page): 6

Comments: Bridge Crane



**Dearborn Overhead Crane
Since 1947**

DESIGN SPECIFICATIONS

Material design and safety features, based on service classification, will conform to the following listed specifications and codes where applicable and appropriate:

Crane Manufacturers Association of America, Inc., CMAA 70-74,
American National Standard, B30.11-1980 "Underhung Cranes"
American National Standard, ANSI-B30.16 "Overhead Hoist"
Hoist Manufacturers Institute – Specification HMI 100-74
Manual of Steel Construction, Latest Edition
National Electrical Code – Latest Edition
Specification for Welding Industrial & Mill Cranes ANSI/AWS D 14.1 – 1997



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12/28/22

Proposal No. 183500 R1

ATTN: Manuel Hernandez
City of San Luis AZ

Email:

SUBJECT: Bridge Crane

We first would like to thank you for the opportunity to provide a quote on this valued project. We are pleased to quote the following;

SCOPE

One 7.5 ton top running, single girder crane per attached specifications. Our quote includes all crane and hoist components, runways, freestanding columns, ASCE rail, 4 conductor runway electrification, engineering, fabrication, painting, installation, and shop testing.

PRICING

Item Description	Material	Installation	Project total:
7.5 ton top running, single girder crane	48200		
45ft freestanding Runway system with supports on 22'-5" centers. Crane rail & 4 bar runway electrification included	22000		
Freight to Site	10000		
Totals:	80200	23600	\$103,800.00

- Remote Radio System included per crane
- Footing not included
- If quoted above, installation includes start-to-finish installation with equipment rentals, tools, and travel expenses. 125% or rated load weights provided by others unless agreed to in advance
- Instead of full installation, we can also provide (1) man to supervise your crew with the install and start-up process @ \$900/day plus travel and expenses (List of customer required tools provided)
- FOB Mishawaka, IN. prepay and add
- Local Taxes & bonds are not always required by Sub-contractors or Crane suppliers. Please factor in the amounts before awarding bids. These are not included in bid unless noted.
- NO Equipment will be ordered until Dearborn Crane & Engineering Co. receives Signed quote ,Signed prints and Down Payment

TERMS: 35% down payment, 55% prior to delivery 10% net 30 (pending credit approval)

Price valid for 30 days. 35% Down payment required within 30days to hold price

Due to the volatile steel market, all quotations must be confirmed prior to acceptance of order.

Delivery: 10-12 weeks after receipt of signed approval drawings and Purchase Order and Down Payment

Attached Bid Notes are an integral part of this proposal.

Quoted By: RLL

Respectfully submitted,

Ray Lyvers

Ray Lyvers, DEARBORN CRANE & ENGINEERING CO.



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Crane Specifications

Quote No: 183500 R1
Customer: City of San Luis AZ
Attention: Manuel Hernandez

Date: 12/28/22

Crane Data

Crane type	top running, single girder	# of Cranes	1
Capacity	7.5 Tons	Operation	Indoors 41-104 F
Span	40'- 0"	Power	208/3/60
Lift	16'-7" 29ft AVAILABLE	Reeving	4/1
Hoist	7.5 ton wire rope	Control Encl.	NEMA 12
Whl Load	9100 lbs.	Crane Rating	CMAA C
Br. Endtr.	8'- 2 3/8" WB	Operation type	Sliding P.B.
Configuration	single girder	Control Voltage	110V
Girder Type	standard wide-flange	Cross Conductors	Festooned
Walkway	N/A	Paint	Yellow
Standard items	2 speed hoist, two winding host motor, with inverter controlled trolley and bridge motions Bridge and trolley motor brakes, Trolley and bridge bumpers, Bridge Travel Slow Down Limit Switch, Warning horn, Wire Rope Certification, All cranes are Factory assembled, inspected and tested.		
	Overload weight load monitoring Hoist 4 step Geared Upper and lower switch 40:1 rope to drum ratio, Rope Guides Lifetime adjustment on hoist brake Thermal protection on hoisting motor Hoist Inspection Test Record, Hook Forging Certificate , CSA Certification		

Runway Data

Runway	W16	Runway Conductors	4 bar Conductor system
Crane Rail	1x2 crane rail	Runway Collectors	Tandum Spring Shoe type
Columns	Freestanding Columns	Runway Length	45'- 0"
Specials		Runway Supports	22'- 6"
Paint	Standard primer – gray		

If required, foundations are by others. Loading are provided at time of order.
 Floor supported column pricing is based on a floor or foundation that can support the loadings

Electrical Data

Drive	Motor Type	Speed (FPM)	Brakes
Hoist	Crane Duty	20/3.3 two speed	DC Disc
Trolley	Crane Duty	65 variable	DC Disc
Bridge	Crane Duty	100 variable	DC Disc



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Bid Notes

The following bid notes are included as an integral part of the quote. Variances and/or exceptions may affect the final price of this equipment.

- 1 Dearborn installation is computed on a straight time basis. Installation requested to be done outside normal working hours may require overtime charges. Pricing also assumes all work is done in a continuous fashion with a single "Start up and Shut down". Additional charges may be incurred if Dearborn is required to pull off the job and restart later.
- 2 Dearborn cannot accept responsibility for any existing support or building structures.
- 3 Proper sizing, location, alignment to CMAA recommendations, and spacing of Runways, columns, support steel and/or ASCE rail is responsibility of others **where Dearborn does not supply these items.**
- 4 Design and supply of material for any concrete work is *not* included unless otherwise called out in quotation.
- 5 All material factory painted using manufacturers standard paint with field paint touch up, by Dearborn.
- 6 Temporary electric power for lighting and welders by others. **Dearborn uses Gas welders as a standard**
- 7 Removal of any obstruction in crane path, by others. **Exception only if agreed to in advance in writing with Dearborn**
- 8 Disposal of leaded paint chips, asbestos, or any other hazardous material which may need to be removed during the crane installation will be the responsibility of the owner.
- 9 Handling and storage of materials due to delays by customer may result in additional charges.
- 10 A complete Operating & Maintenance manual with appropriate spare parts list is included.
- 11 All installation prices assume a clear work area with concrete floors in place. Delays and/or extra time incurred by the field crews due to inaccessibility to work area will be billed at then current rates for workers and equipment **.Exception only if agreed to in advance in writing with Dearborn .**
- 12 Adequate headroom above the bridge crane must be available to allow the boom of the mobile crane to set the crane and hoist. **Exception only if agreed to in advance in writing with Dearborn .**
- 13 A fused disconnect and power from source to the disconnect and from disconnect to conductor bar is by others. Current taps and connection at the conductor bar is provided by Dearborn.
- 14 Any permits required, by others.
- 15 Basic operator orientation, including one session of approximately ½ hour at time of installation, is included. A more comprehensive operator and OSHA training is available on request for additional charge.
- 16 "Testing" in the scope section refers to 'No Load' Testing which tests all functions of equipment. Full Load Testing with test weights is available as described on the Load Testing Policy page.
- 17 Limitation of liability: seller shall have no liability to buyer with respect to the sale of products or provision of services hereunder for lost profits or for special, consequential, exemplary or incidental damages of any kind.
- 18 Warranty: Dearborn Overhead Crane provides a full 5 year warranty on all structural components of the crane (and runway system where supplied by Dearborn Overhead Crane). All mechanical and electrical components (such as hoists, end trucks, electrification, attachments, etc.) are supplied with a limited ONE year warranty on material only. Warranty period begins on the date of crane commissioning and signed acceptance by the customer.



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OPTIONAL EQUIPMENT AVAILABLE- PLEASE CONTACT YOUR SALEPERSON:

- **RADIO CONTROL**
- **ANTI-COLLISION FEATURE**
- **WARNING DEVICES**
- **CRANE LIGHTS**
- **ADJUSTABLE FREQUENCY DRIVES**
- **OUTDOOR APPLICATIONS**
- **WALKWAYS AND/OR SERVICE PLATFORMS**
(Means to access the above option is not included, but available)
- **SPECIAL PAINT**
- **BELOW HOOK DEVICES (C-HOOKS, MAGNETS, SLINGS, ETC)**

DEARBORN will provide the right combination of PERFORMANCE, RELIABILITY and VALUE, all at the right price. We not only build and install the highest quality cranes; we also have a full time field service crew that repairs all brands of cranes. DEARBORN also provides annual service contracts for those customers who depend on their equipment for critical production needs or who want to be sure their equipment is always in top working order and OSHA inspections are being done in a timely fashion.



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Load Testing Advisory

1) Current specifications regarding the load tests of Overhead Crane Systems

ANSI B30.11 requires the following;

11-2.2.2 Rated Load Test

(a) Prior to initial use, all new, extensively repaired, and altered equipment shall be tested and inspected by, or under the direction of, an appointed or authorized person, and a written report should be furnished by such person, confirming the load rating of the system. The load rating should no be more than 80% of the maximum load sustained during the test.

OSHA 1910.179 Paragraph K2 states the following;

Rated load test.

Test loads shall not be more than 125% of the rated load unless otherwise recommended by the manufacturer. The test reports shall be placed on file where readily available to appointed personnel.

2) Definitions

Hoist

A machinery unit that is used for lifting and lowering a load.

Crane

A bridging structure that spans two or more runways and provides traversing motion.

Runway

The rails, beams, brackets and framework on which the crane operates.

3) Dearborn Overhead Crane Load Testing Offer (Maximum crane capacity of 10ton)

It therefore is our opinion, that it is the owner's responsibility to load test the overhead bridge crane system. The "system" consists of the hoist, crane, runways, columns and footings. To test the "system", requires that the full system be in place and therefore must occur after the completion of the crane installation. Although it is hoist industry practice to load test every hoist prior to shipping, this practice does not preclude the requirement for the full load testing upon commissioning of the full hoist, crane and runway system.

As a service to our customers, DOC offers to provide this load test free of charge to the purchaser of a Dearborn Crane. To take advantage of this free offer, ALL the following criteria is required.

1. Dearborn MUST BE CONTRACTED to install the crane and will perform this load test during the normal installation time period. Extra time or delays in testing will be back charged to customer
2. The customer must provide a full capacity test load** to be used for testing purposes. This load must be 125% of the rated capacity of the crane.
3. The load must be of reliable weight, and be easily accessible and in the immediate area of the crane to be tested. The weight of the load should be certifiable. If certification of the load is not practical, DOC can provide a scale to weigh the load for a small fee.
4. All necessary rigging** must be provided by the customer.
5. The load and rigging must be provided while DOC is on site for the installation. (If the customer cannot provide the required materials during the normal installation period, but still would like to have a Certified Load Test performed, a crew can be provided on a time and material basis.)

Upon completion of the test, a temporary hand written certificate will be supplied to the owner, so that there is no possible exposure to the owner of not have proper documentation. The official Load Test Certificate to following within 2 weeks. Also, a copy will remain on file at Dearborn.

** Dearborn Overhead Crane is not responsible for any damage that may occur to either the test weights or the rigging used.