



VIC'S CRANE & HEAVY HAUL, INC.

*Lifting Safety to a Higher Level*

FALL 2016

Employee and  
Equipment Profiles:

Pre-Construction &  
Project Planning

Engineering  
Development

Design & 3D Modeling

Outage & Individual  
Project Planning

Heavy Haul &  
Specialized  
Transportation

Goldhofer Transporters  
-Self-Propelled  
-Towed Platforms

Rigging & Specialized  
Lift Equipment

Lattice Boom  
Crawler Crane

All-Terrain Cranes

Rough Terrain Cranes

Truck Cranes

Boom Trucks

Carry-Deck Cranes

Company Values

# ANNUAL LIFT & HAUL GUIDE

WWW.VICSCRANE.COM

(651) 423-7400



**Cover  
Story  
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Vic's brings a wide  
range of equipment and  
skill sets to place an  
ammonia converter

## Our Founders & Working Guidance



Vic's Crane & Heavy Haul, Inc. was founded in 1951 as a welding company by Vic and Bernice Wenzel in Rosemount, MN. Over the years, the company evolved from welding out of Vic's home shop to Vic's Crane & Heavy Haul.

The construction industry continues to evolve however, we still hold true to the values that Vic and Bernice started the company with: hard work, determination, and the view that "There is no job too big to be accomplished".



### Letter from the President



**Tim Harty**  
President & CEO  
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#### To our clients and employees:

Thank you for your continued confidence in Vic's Crane & Heavy Haul, Inc. We are encouraged and motivated about the future and the opportunities you have given us. Delivering results and value to people and their goals is a privilege that we earn by being devoted to intangible traits such as integrity, knowledge, and dependability.

We are proud to announce the completion of transitioning to a 100% employee owned company through a newly established Employee Stock Ownership Plan. Our goal in doing this is focused on preserving the culture of Vic's and rewarding the employees who have been instrumental in creating a globally recognized crane and specialized transport company.

We are excited and know that becoming an employee owned company will provide long term incentives to deliver the very best in client service and excellence in the crane and heavy haul industry. Vic's employees will continue to be driven to focus on customer projects and provide high quality solutions. Further, they are invested to make decisions and efficiently solve problems to benefit our clients and their objectives.

For the 65 years we have been in business, we hold true to the idea that quality people make the difference in the worth to our customers. During this time we have dedicated ourselves to developing our safety principles, investing in our staff, growing our capabilities, and building lasting relationships with the people and businesses of the Mid-West.

Lastly, I would like to thank our fellow contractors who we have the honor of working for and with. We look forward to supporting you in your operations and bringing value to your projects.

You have my commitment that quality and safety are at the forefront of every jobsite we have the privilege of being invited to.

Sincerely,

Timothy Harty  
President & CEO  
Vic's Crane & Heavy Haul, Inc.

## Vic's Crane & Heavy Haul Staff

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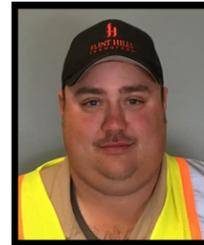
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## Pre-Construction & Project Planning



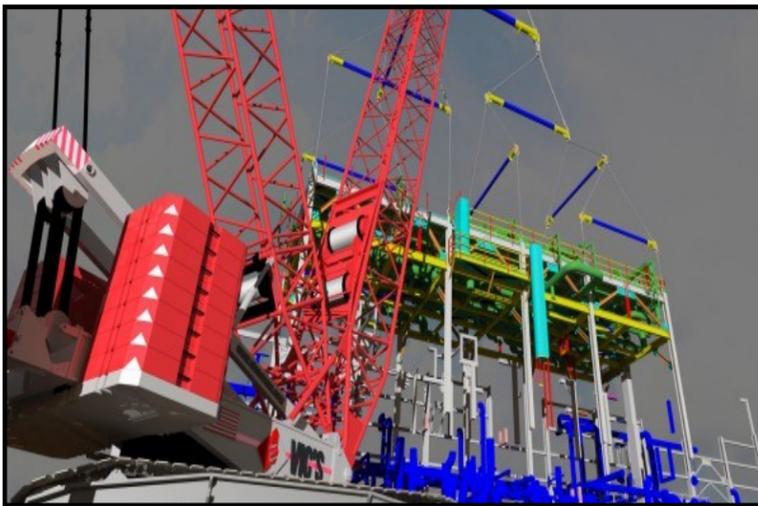
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### What is Pre-Construction Planning?

Pre-construction services provide clients with a formal method for developing a full work scope, cost, and schedule to perform lift and haul projects. Vic's offers pre-construction services as a project managing tool that allows clients to fully understand and mitigate logistical, budgetary, and risk management challenges before work begins.

### How Vic's Accomplishes This

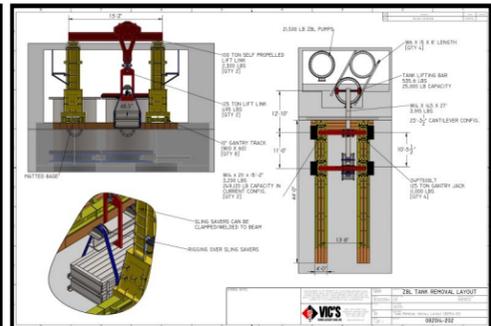
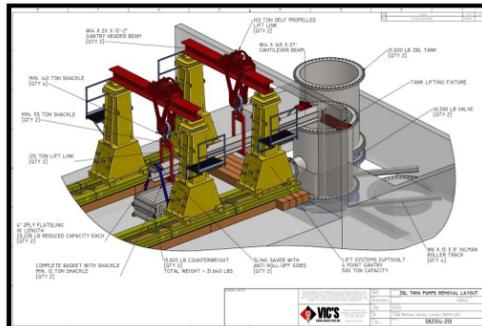
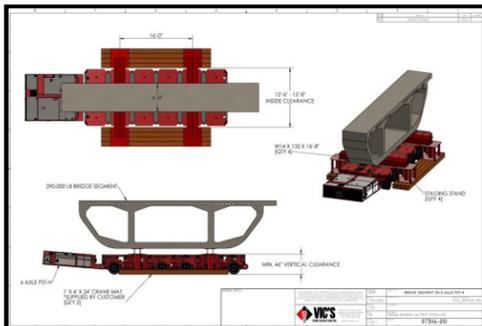
We use a team of specialized and experienced engineers and project managers that are equipped with industry know-how and state of the art software. Our team members meet with clients to understand their objectives and help determine the work scope and

provide solutions. We then incorporate detailed planning and imagery with the use of laser scanners and optical equipment to provide customers with accurate previews of their projects. Additionally, we provide full lift planning and haul route surveys, as well as feasibility studies so you are able to plan projects and support requirements in detail.

### Quality Solutions and Benefits

The pre-construction process takes out many of the unknowns of a project and reduces risks for project owners. Having an early and detailed site plan for your crane, rigging, or haul projects affords cost savings and helps eliminate run on cost or bid change orders. Cranes and other heavy lift equipment can be very expensive and most successful projects cannot afford to have these resources sitting idle. From manpower to equipment, nothing is cheap. Early and proper planning can save a project unnecessary expenses and stress. Having the right resources at the right time and eliminating obstacles and unforeseen complications are the rewards of quality pre-construction planning.

We look forward to working with you at whatever stage of your project you are in. Just as time is money, so is proper planning, and Vic's has the right people and equipment to help make your project a successful and profitable endeavor.



## Pre-Construction & Project Planning



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### Cover Story



### East Dubuque, IL Ammonia Converter Vessel Install

Vic's Crane & Heavy Haul, Inc. (Vic's) was contacted to assist an upcoming plant expansion for CVR Partners LP - East Dubuque Nitrogen Fertilizers, LLC (formerly Rentech Nitrogen, LLC). Engineering for the project began in the fall of 2015 and the job was completed by the end of spring 2016.

Vic's was contracted to complete the offload, onsite transport, and heavy lift of a 702,450 lbs ammonia converter vessel along with four large vessels, piping, and structural steel to complete the expansion project. A 650 ton hydraulic gantry system and a Goldhofer 20 axle-line platform trailer were utilized for the offload and hauling portion of the work. The vessel was cut free from the railcar, hoisted with the gantry, and side-shifted to the platform trailer with Vic's self-propelled lift links. The vessel was hauled from the rail spur on the south side of the plant, near the Mississippi River, to the heavy lift area where Vic's Terex Demag CC-2800 (660 ton) and CC-2500 (550 ton) cranes were assembled for the final placement.

Vic's trailer operators positioned the vessel and Goldhofer trailer alongside the two cranes for lifting. Once rigged, the vessel was tailed from a horizontal to a vertical position by slowly walking the CC-2500 trailing crane towards the CC-2800 main crane, while maintaining a 30' radius. After the CC-2800 gained full control of the vessel, the crane swung approximately 110° to align the vessel with the foundation. The crane was then attached to the super-lift tray with 440,900 lbs of counterweight. The additional counterweight package of the super-lift tray allowed the crane to boom down to a 46' final radius for setting of the vessel at 80% of the crane's rated capacity. The ammonia converter vessel was one of the heaviest crane lifts Vic's had completed in its 65 year history.

After setting the ammonia converter vessel, Vic's worked to set accessory vessels, heavy wall piping, and structural steel for the next month. This work also included a steam super-heater, waste heat boiler, and an effluent exchanger. The success of this project was dependent on the expertise, quality, and efficiency of both our employees and equipment.



## Heavy Haul & Specialized Transportation



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### Heavy Haul Assets

Vic's Heavy Haul Division has more than 30 years of experience in the heavy haul and heavy lift business. Vic's has the engineering expertise, dedicated technicians, and specialized equipment required to assist clients with difficult haul, and transport projects of any size in the power generation, petro-chemical, and industrial fields. Additionally, we provide barge roll on / roll off services, and rail load / unloading.

Goldhofer Self Propelled Trailers

Goldhofer Trailer— 40 Lines

7 Axle Removable Goose Neck

8 Axle Removable Goose Neck

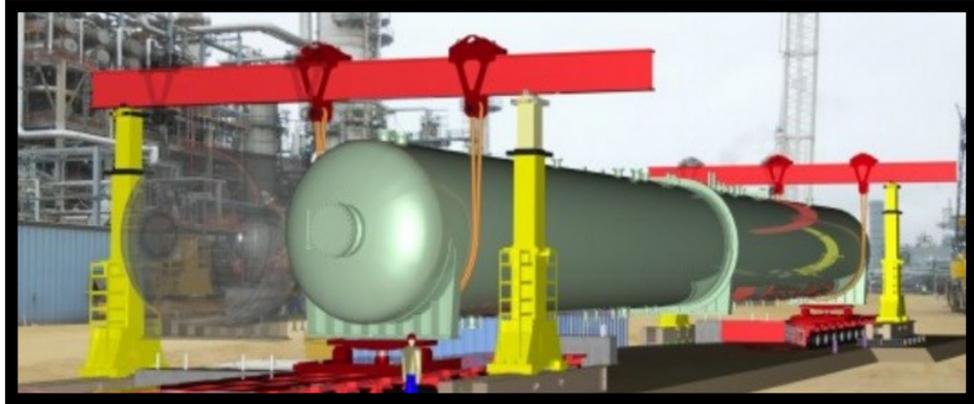
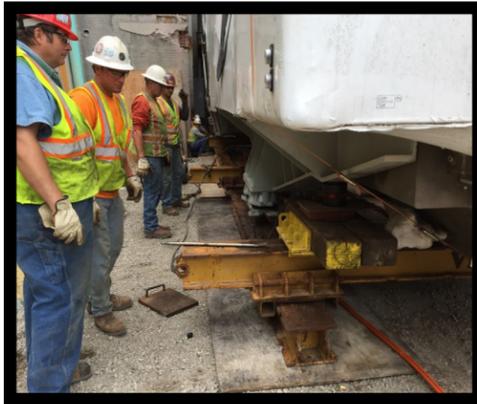
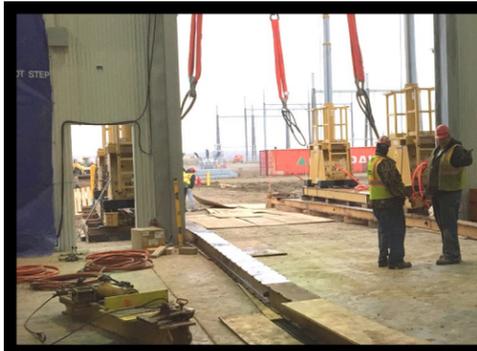
13 Axle Removable Goose Neck



## Rigging and Specialized Lifting Equipment



Hydraulic Gantry Lift Systems
Computer Controlled Strand Jacks
Hydraulic Jack & Slide Systems
High Capacity Rollers
Custom Chain Hoist
Cantilever Beams
Staging Stands and Beams
Certified Custom Fabrications



Vic's is a leader in the industrial rigging and specialized lifting fields. Utilizing our gantry and slide systems, we have the capability to safely move weights in excess of one million pounds. With the combination of lift and transport equipment, we are able to move challenging industrial components in or out of tight or unique spaces. We specialize in moving transformers and other items that are too difficult for normal transport companies. We pride ourselves on being successful in the most problematic situations. Our heavy haul project managers and engineers offer innovative solutions to meet our clients most challenging projects. We utilize detailed planning, safety experience, and industry know-how that is matched with the best equipment and technology, so our clients can depend on us with full trust and confidence to get the job completed safely and on time.



## Lattice Boom Crawler Cranes

Nothing delivers more hoisting power and lifting options than our Lattice Boom Crawler Cranes. These cranes supply hoisting capacities up to 660 Tons with Max Tip Heights to 650' with true pick-&-carry abilities. Additionally, there are many jib configurations to include luffing jib that can support any lifting requirement you may have.

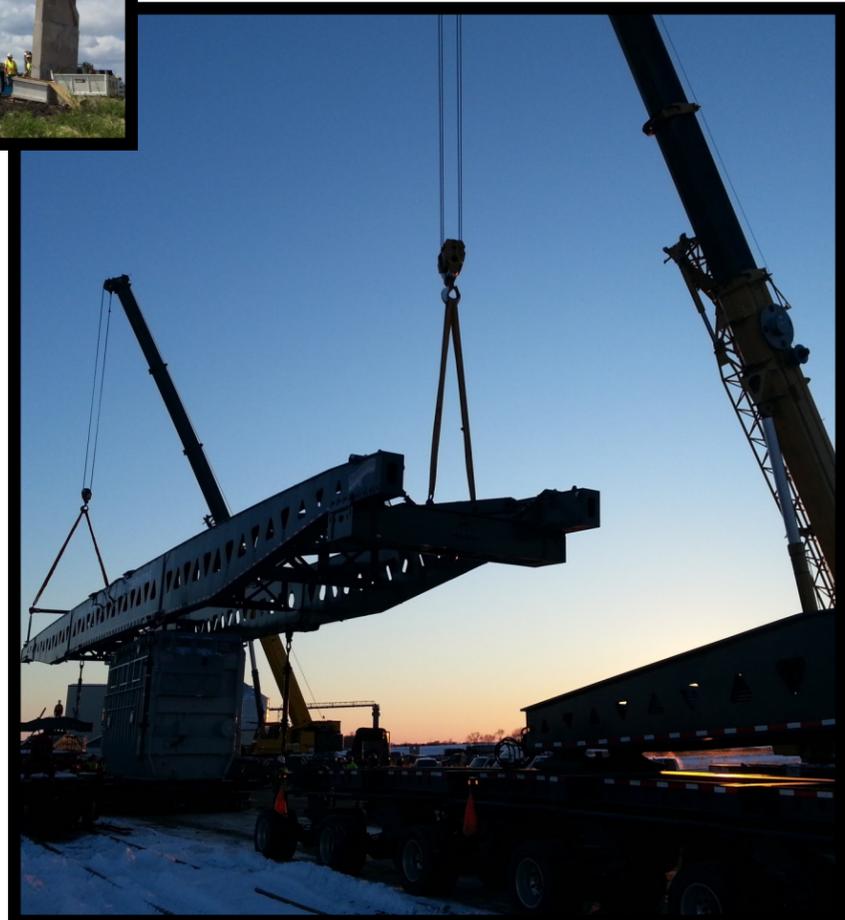
	Max Capacity (Tons)	Max Main Boom (Ft)	Max Tip Height (Ft)
Terex / Demag	660	315	650
Terex / Demag	550	413	550
Manitowoc 2250	300	300	405
Manitowoc 999	275	290	330



## All-Terrain Cranes

Max Tip Height (Ft)	Max Main Boom (Ft)	Max Capacity (Tons)	
443	197	550	Grove GMK 7550
449	197	450	Grove GMK 6400
367	197	350	Grove GMK 6350
365	236	250	Grove GMK 6250L
321	197	220	Grove GMK 6220
321	161	175	Grove GMK 5175
312	197	165	Grove GMK 5165-2
290	151	150	Grove GMK 5150

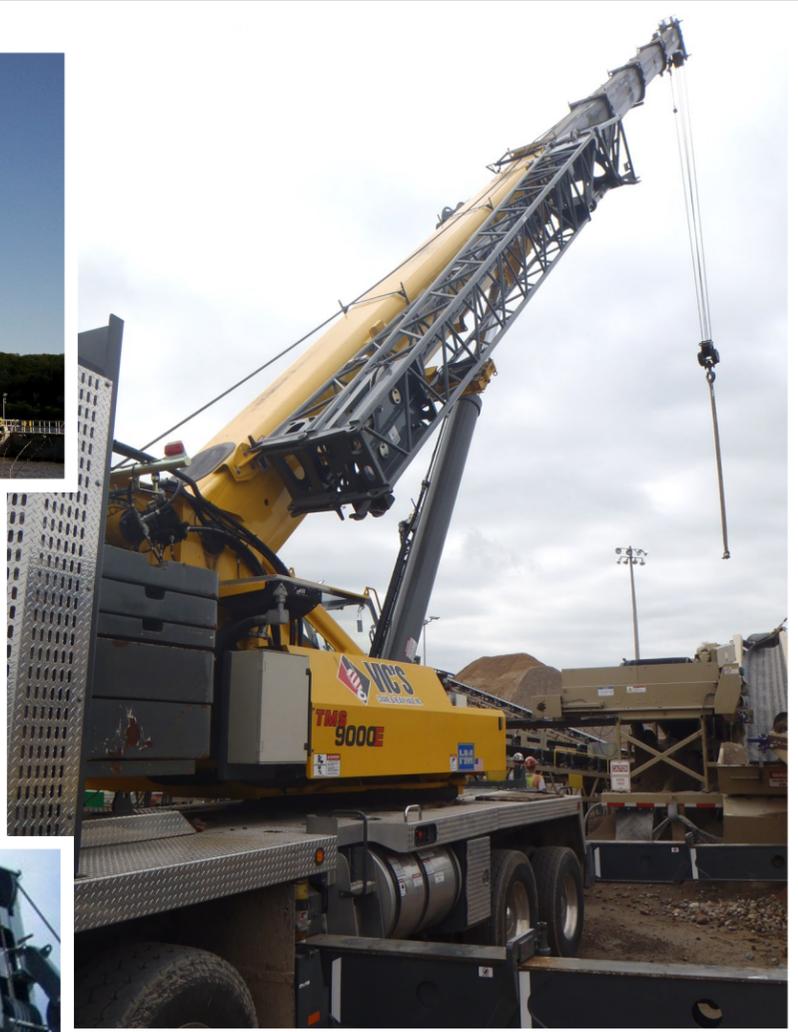
All-Terrain Cranes are very strong and highly mobile! They provide heavy lift options whether you are in the metro area or in rugged terrain. AT Cranes support hoisting options up to 550 Tons with Max Tip Heights to 449'. We have the right size crane for your project backed with highly experienced and certified operators. These cranes provide real lifting options with reduced logistical requirements that affords value and flexibility for our clients.



## Truck & Rough Terrain Cranes

Truck Cranes bring an intermediate size footprint and offer big hoisting capabilities up to 110 Tons with Max Tip Heights to 273'. These cranes can handle large jobs while providing jobsite efficiency.

Truck Cranes	Max Capacity (Tons)	Max Main Boom (Ft)	Max Tip Height (Ft)
Grove TMS 9000E	110	141	237
Link-Belt 8670	70	115	180



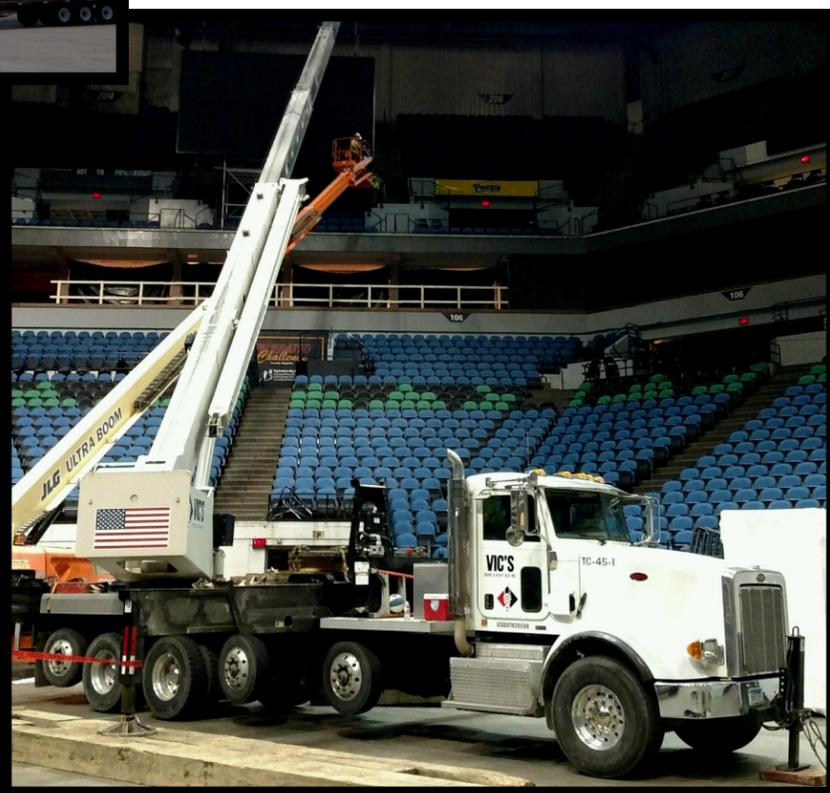
Rough Terrain Cranes are the work horse for tough hoisting jobs! Offering lift capabilities with crane sizes from 22 to 90 Tons with main boom options up to 142' and jib configurations up to 198'. These cranes deliver real lifting options with an efficient footprint.

Rough Terrain	Max Capacity (Tons)	Max Main Boom (Ft)
Grove 890E	90	142
Terex 190	90	121
Grove 880E	80	121
Terex 780	80	121
Grove 875E	75	121
Terex 765	65	115
Grove 760E	60	115
Terex 555	55	110
Grove 650E	50	110
Grove 635B	35	110
Grove 530E	30	105
Grove 530DXL	30	105
Grove 522	22	95

## Boom Truck & Carry Deck Cranes

Max Tip Height (Ft)	Max Main Boom (Ft)	Max Capacity (Tons)	Boom Trucks
203	141	45	National NBT45
165	121	40	National 1800
165	121	36	National 1500
161	105	28	National 1100

Vic's Boom Trucks provide great diversity to our fleet, with abilities to travel at highway speeds or over rough surfaces. Our Boom Truck Cranes provide lift capacities up to 45 Tons with Tip Heights to 203'.



Carry Deck	Max Capacity (Tons)	Max Main Boom (Ft)
Shuttlelift 7755	22	55
Broderson IC-250	18	50
Broderson IC-200	15	50
Broderson IC-80	8	40

For maximum versatility Vic's offers Carry-Deck Cranes with hoisting capabilities up to 22 Tons with boom configurations to 75' with assembled jib. Carry-Deck Cranes provide unlimited utility in hoisting and transportation capabilities.

## Company Values

### Company Mission Statement:

-“Provide excellence in crane and heavy haul services with intentional safety.”

Strategy: To accomplish our mission we focus on our 6 core values.

The core values of our company are those that form the foundation on which we conduct work and manage our business. There are many great traits. Some of them are so important to us that they do not change because of laws, social dynamics, or technologies. They are the values we abide by because they recognize and support our most important asset - “people”

**Safety & Knowledge:** Having industry and safety know-how that is earned through experience and a dedication to growing and developing.

**Integrity:** Being honest and having a strong moral principle to do the right thing for the right reason.

**Courage:** The strength to challenge and change things that are not right.

**Leadership:** The quality of guiding people while building on their strengths and challenging their weaknesses.

**Commitment:** The obligation of being dedicated and accountable to a greater cause.

**Dependability:** The certainty of accountability and proper performance.

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### “LIFTING SAFETY TO A HIGHER LEVEL”

is an owner and management commitment to our employees and our clients.

Vic’s Crane & Heavy Haul, Inc. is committed to providing a work environment where safety and health are preplanned into every task. Our approach and mindset is simple—every accident, and therefore every injury, is preventable.

It is our goal to provide a place of employment where every professional is given the time, equipment, and training necessary to perform their jobs correctly and without incident. We create a work place where supervisors and tradesmen alike view safety and quality as the key elements to any task being performed.

Vic’s Environmental, Health, and Safety Programs outline and represent the company values and commitments to job safety and the environment.

Doing things the correct and safest way is rarely the fastest or easiest way. At Vic’s we believe it is the only way. Investing in our employees safety training, working knowledge, and promoting the principles of quality and accountability at all levels defines our fundamental working philosophy.

These programs, along with committed field leadership, allow Vic’s Management to measure and gauge how well we are integrating our standards of safety and environmental excellence into our company’s plans, culture, and projects.

We look forward to demonstrating to you what “Lifting Safety to a Higher Level” means and looks like.