



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

Director Barbara Jo Crea
Deputy Director Gary Quinn
Commissioner Virginia E. Haines
Commissioner John P. Kelly
Commissioner Frank Sadeghi

101 Hooper Avenue
Toms River, New Jersey
08754-2191
(732)929-2005
(732)505-1918

Board Meeting Agenda

Date: June 19, 2024 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

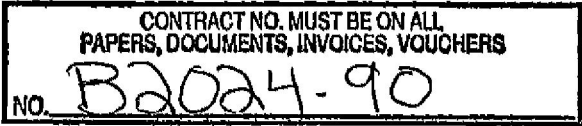
Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLES: EQUIPMENT TRAILERS to Stephenson Equipment, Inc., the lowest qualified bidder. (B2024-90)

Official Resolution#	2024000936						
Meeting Date	06/19/2024						
Introduced Date	06/19/2024						
Adopted Date	06/19/2024						
Agenda Item	k-3						
CAF #							
Purchase Req. #	B2024-90						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Crea	<				<		
Quinn	<			<	<		
Haines	<		<		<		
Kelly	<				<		
Sadeghi	<				<		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board



RESOLUTION

June 19, 2024

WHEREAS, on May 21, 2024, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLES: EQUIPMENT TRAILERS for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

Name and Address of Bidder

Stephenson Equipment, Inc.
135 Lincoln Ave.
Prospect Park, PA 19076
(610) 534-0700

Name and Address of Bidder

Monmouth Solutions, Inc.
93 Butman Rd.
Lowell, MA 01852
(978) 735-3855

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, namely that of, STEPHENSON EQUIPMENT, INC. be accepted.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into contracts accepting the bid for the furnishing and delivery of MOTOR VEHICLES: EQUIPMENT TRAILERS for the County of Ocean, for the contract period from date of award through June 18, 2025, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15.

A. STEPHENSON EQUIPMENT, INC. for four (4) items, to wit:

ITEM NOS. 1, 1A, 2 and 2A.

For a Total Lump Sum Award Item 1 (Item #'s 1 - 1A) of \$738,001.92.

For a Total Lump Sum Award Item 2 (Item #'s 2 - 2A) of \$300,001.92.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the equipment and services to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the equipment and services shall be available within the following funding Source: Road Department, Solid Waste Management, Vehicle Services O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2024-90.

BE IT FURTHER RESOLVED that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Road Department, Solid Waste Management, Vehicle Services and Stephenson Equipment, Inc., the successful bidder.

[STEPHENSON EQUIPMENT INC] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLES: EQUIPMENT TRAILERS

Confirmed

12. Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Confirmed

PRICE TABLES

ITEM #1 - CURRENT MODEL YEAR, OR NEWER, 50 TON NON-ROUND ENGAGING DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year, Make & Model	Warranty	Delivery, A.R.O.
1	Current Model Year, or Newer, 50 Ton Non-Round Engaging Detachable Gooseneck 3-Axle Air Ride Gentle Riser Lowboy Semi-Trailer, As Specified, Or Equal	6	EA	\$123,000.00	\$738,000.00				
OPTIONS									
1A	Training, As Specified	192	HOUR	\$0.01	\$1.92				

Introduced on: June 19, 2024

Adopted by: [STEPHENSON EQUIPMENT INC] RESPONSE DOCUMENT REPORT

Official Resolution #: 2024000936

[STEPHENSON EQUIPMENT INC] RESPONSE DOCUMENT REPORT

Bid No. TBD

MOTOR VEHICLES: EQUIPMENT TRAILERS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year, Make, & Model:	Warranty:	Delivery, A.R.O.:
TOTAL					\$738,001.92				

ITEM #2 - CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	No Bid	Year, Make, & Model:	Warranty:	Delivery, A.R.O.:
2	Current Model Year, or Newer, 21 Ton Drawbar Tag-Along Tandem Axle Spring Ride Suspension Trailer, As Specified, Or Equal	6	EA	\$50,000.00	\$300,000.00				
OPTIONS									
2A	Training, As Specified	192	HOUR	\$0.01	\$1.92				
TOTAL					\$300,001.92				

Introduced on: June 19, 2024

Adopted by: [STEPHENSON EQUIPMENT INC] RESPONSE DOCUMENT REPORT

Official Resolution #: 2024000936

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 1 of 17

**✓ ITEM #1 - CURRENT MODEL YEAR, OR NEWER, 50 TON NON-ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL**

		COMPLIANCE	
		<u>YES</u>	<u>NO</u>
DIMENSIONS			
Gooseneck Length	12' 1"		
Swing Clearance	98"		
Kingpin Setting	15"		
Gooseneck Height (light)	51"		
Clear Deck Length	24' 0"		
Deck Height (loaded)	22"		
Ground Clearance (loaded)	6"		
Axle Spacings	54 1/2"		
Overall Trailer Width (maximum)	102"		
Capacity (concentrated in 19' 0" @ 60 MPH)	100,000 lbs.		
Overall Length	52' 8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

General Description

Trailer shall be equipped with a self-lifting (non-ground bearing) detachable gooseneck so that equipment can be loaded over the front of the deck.

☒ ☐

Trailer shall be rated for full capacity at 60 MPH, concentrated in 2/3's the combined length of the deck and the riser.

☒ ☐

SPECIFICATIONS OF THE GOOSENECK**Materials and Construction**

The longitudinal carrying members shall be fabricated, using high strength, low alloy steels.

☒ ☐

The webs shall be ASTM A572-GR50, 50,000 psi minimum yield steel and the flanges shall be ASTM A514, 100,000 psi minimum yield steel.

☒ ☐

The gooseneck shall be a tapered, self-lifting detachable type with a "Scrapeneck" profile for additional load clearance.

☒ ☐

Shall be equipped with two (2) 8.5" x 8" double acting hydraulic cylinders with 3" rods, anchored in a vertical position in the gooseneck. These cylinders shall push off of the deck of the trailer. The cylinders shall require a maximum of 2,300 psi to operate the gooseneck. The lifting mechanism shall not carry the load in the normal transport of the trailer.

☒ ☐

The gooseneck must also be equipped with a 2" kingpin (conforming to SAEJ700A) properly boxed to prevent cracking and dishing of the fifth wheel plate. The upper fifth wheel plate shall be adequate in size for coupling to a 36" fifth wheel or a full

☒ ☐

Produced on: June 19, 2024
Adopted on: June 19, 2024
Revision: 00936

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 2 of 17

**ITEM #1 - CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES NO

SPECIFICATIONS OF THE GOOSENECK (Cont'd)**Materials and Construction (Cont'd)**

The gooseneck shall connect to the main frame of the trailer using two (2) interlocking gooseneck hooks. Each hook shall be no less than 6" thick and flame cut from A572- GR42 plate stock. The use of multiple plates welded together to form hooks shall not be acceptable.

☒☐

The gooseneck shall be equipped with a hydraulic gooseneck support and transverse frame shoe to support the gooseneck on the frame of the tractor when the gooseneck is detached from the trailer.

☒☐**Range of Movement**

Further, these cylinders shall be able to lower the trailer's main deck to the ground so that the gooseneck can be detached and shall be able to raise a fully loaded trailer without shifting the load in order to reattach the gooseneck.

☒☐

The design of the detachable gooseneck shall also be capable of lifting the loaded platform above the normal travel position to assist in avoiding highway obstructions and to lower the loaded platform below the normal travel position to assist in avoiding overhead obstructions. This will be done without the gooseneck or the deck making contact with the ground.

☒☐

The gooseneck shall be equipped with two (2) pairs of trap door extension blocks to adjust the ride height at the front of the deck. The normal or standard deck height of 22" loaded requires the ½" blocks to be in place giving a loaded ground clearance of 6". The 1" blocks will allow you to raise the deck height 2" giving you a loaded deck height of 24" and a loaded ground clearance of 8". To lower the deck height requires no blocks giving you a 20" loaded deck height with a loaded ground clearance of 4".

☒☐**Power Source**

Power shall be supplied by a customer furnished Power Take-Off (PTO) system mounted on the tractor developing a maximum 2,300 psi pressure.

☒☐**Storage**

A steel covered lockable toolbox shall be located at the front center of the gooseneck.

☒☐**Material and Construction - Main Frame to Gooseneck Connection**

The main deck of the trailer shall connect to the gooseneck by means of two (2) interlocking beam hooks. Each hook shall be no less than 6" thick and flame cut from A572-GR42 plate stock. The use of multiple plates welded together to form hooks shall not be acceptable.

☒☐

The front of the trailer shall be designed to allow the beam hooks to self-align for easy reconnection. Use of eye and pin connection for deck to gooseneck shall not be permitted.

☒☐

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 3 of 17

✓ **ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON-ROUND ENGAGING DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

SPECIFICATIONS OF THE MAIN FRAME**Longitudinal Members**

All longitudinal carrying members shall be fabricated, using high strength low alloy steels. The main frame shall consist of two (2) 16" deep I-beams for the main beams. The webs shall be ASTM A572-GR50, 50,000 psi minimum yield steel and the flanges shall be ASTM A514, 100,000 psi minimum yield steel. All welding of these main beams will be accomplished by use of a submerged arc machine.

☒ ☐

The side beams for this 50-ton capacity lowbed trailer shall be a 13" deep I-beam. The webs shall be ASTM A572-GR50, 50,000 psi minimum yield steel and the flanges shall be ASTM A514, 100,000 psi minimum yield steel. All welding of these side beams will be accomplished by use of a submerged arc machine.

☒ ☐

Vertical gussets shall be installed in the front slope area of the deck to support the top flange of the side beams, three (3) on each side.

☒ ☐

Reinforcing shall support the top of the side beam flange, full length of the deck and riser on both sides of the trailer.

☒ ☐

Cross Members

Construction of the main frame shall include two (2) anchor channels (one (1) at each end of deck). These channels shall be 10" deep.

☒ ☐

The full width cross members for this trailer shall consist of eleven (11) 10" deep and spaced on 24" centers, pierced through the web of the main beams. Multiple piece cross members are not acceptable.

☒ ☐

All cross members shall be welded to the main beams and side beams.

☒ ☐

Access to Main Deck

Two (2) 33 ½" long by 23 ½" wide laterally adjustable front fold-down loading ramps with oak inserts shall be provided to form a 9° approach to the main deck area.

☒ ☐

The front of the main beams, side beams, and beam hooks shall be tapered on the top to permit easy loading of low ground clearance equipment. Also, the bottom of the main beams and side beams must facilitate the deck resting evenly on the ground.

☒ ☐

Side Brackets

This platform deck trailer shall be equipped with one (1) set of twenty-six (26) cast ductile iron side brackets (thirteen (13) brackets per side) to increase the width of the deck to 10'-6".

☒ ☐

Adopted on: June 19, 2024
Official Resolution#: 2024-000938

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 4 of 17

ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

SPECIFICATIONS OF THE MAIN FRAME (Cont'd)

Side Brackets (Cont'd)

When the side brackets are not in use, they shall be secured against the side beam with spring loaded clips. Fabricated side brackets are not acceptable.

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Anchor Points (Lashing D's)

Twenty-Three (23) drop forged lashing D's of 1" diameter steel (C1030 steel construction) shall be provided. The lashing D's shall have a working load limit of 15,586lbs.

Rotating lashing D's are not acceptable.

☒☐

They shall be positioned as follows: three (3) standard D's on the gooseneck, six (6) Bent D's on each side of the deck, one (1) bent D on each side of the riser section between the main deck and the rear frame area, one (1) standard D on the end of each trunnion beam between the tires, and one (1) D on top of each rear outside corner of the wheel covers.

☒☐

The successful bidder shall furnish test results from an independent testing agency detailing strength and characteristics of the lashing D's to be supplied.

☒☐

Flooring

The platform deck shall have full cut 1 3/4" air-dried oak laid longitudinally with the planking secured to the cross members with countersunk button head carriage bolts and floor clips. A center board shall be installed in the centerline of the deck, approximately 10' long, with center boards loose with hand holes on each side of the installed board. The hardwood decking shall be fitted to eliminate gaps.

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Drilling of the cross members or use of self-tapping screws to secure the deck is not acceptable.

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Storage

A wood covered toolbox shall be installed at the front center of the deck in the 2nd bay.

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A wood covered toolbox shall be installed at the rear center of the deck in the 2nd to last bay.

☒☐

Materials and Construction

The main carrying members of the rear frame shall be fabricated using high-strength, low alloy steel. The webs shall be ASTM A572- GR50, 50,000 psi minimum yield steel and the flanges shall be ASTM A514, 100,000 psi minimum yield steel.

☒☐

Introduced on: June 19, 2024

Adopted on: June 19, 2024

One (1) pair of flag holders shall be built into the rear channel.

☒☐

One (1) pair of flag holders shall be built into the rear channel.

☒☐

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 5 of 17

**ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

SPECIFICATIONS OF THE REAR FRAME**Access to Rear Frame**

The rear riser section shall run at a 20° angle between the main deck and the rear frame area and have a 20" drop between these two parts of the trailer. The riser area shall be covered with wood decking. The length of the riser shall be 55". Wood shall be installed in the center of the rear frame, between the wheel covers, making the rear frame fully covered. This Gentle Riser shall facilitate the loading of equipment from the deck onto the rear frame

☒ ☐

The rear frame shall include trunnion beams between each set of wheels.

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Suspension

Each of the three axles shall be equipped with an air ride suspension rated at 25,000 lbs. capacity by the suspension manufacturer. The suspension shall require no lubrication.

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The suspension shall also include a height control system to mechanically adjust the ride height of the suspension by 3" up or down.

☒ ☐

This system shall have five (5) positions:

- Two (2) positions to increase the standard ride height
- One (1) standard ride height
- Two (2) positions to decrease the standard ride height.

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An air dump valve shall be installed to be able to fully exhaust or dump the air from the air bags of the air ride suspension. The push/pull valve to operate the air dump valve shall be located on the roadside of the riser section between the main deck and the rear frame area.

☒ ☐

Axles

Each of the three (3) axles of the trailer shall be of a through-type design with a 5" round axle bar. The wheel bearings shall be an oil-bathed type.

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Each axle shall be rated at 25,000 lbs. capacity by the axle manufacturer.

☒ ☐

There shall be a spacing of 54 1/2" between each axle.

☒ ☐

An axle lift shall be installed on the 3rd axle. This lift shall be controlled by air furnished by the tractor, inflating airbags causing the axle to lift off the ground. The air bags for the axle air lift shall be located in front of the 3rd axle below the rear frame beams. The push/pull valve to operate the axle air lift shall be installed on the roadside of the riser section between the main deck and the rear frame area.

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COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 6 of 17

ITEM #1 - CURRENT MODEL YEAR, OR NEWER, 50 TON NON-ROUND ENGAGING DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>SPECIFICATIONS OF THE REAR FRAME (Cont'd)</u>		
Hubs and Wheels		
The hubs shall be ten (10) stud, hub-piloted type and made of cast ductile iron.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The inner wheels shall be 22.5 x 8.25 10-hole hub piloted steel disc and the outer wheels shall be 22.5 x 8.25 10-hole hub piloted steel disc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tires		
The trailer shall be equipped with twelve (12) size 275/70R 22.5 H16 radial tubeless tires.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
These tires shall be rated by the tire manufacturer at 24,700 lbs. per axle at highway speed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) spare wheels and tires to be provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>BRAKE SYSTEM</u>		
Air Delivery System		
The air brakes shall conform to DOT specifications in effect at time of delivery.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The complete system shall include all necessary tubing; glad hand connectors at the front of the gooseneck; and air reservoir(s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mechanical Brakes		
The six (6) wheel brakes shall be the two-shoe internal expansion type with molded block lining, size 16 1/2" x 7", actuated by constant riser "S" type cam, connected to Type 30 spring brake air chambers through automatic slack adjusters on each drum.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lubrication points shall be provided for lubrication of the cam shaft and brake shoe bushings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The entire system will be controlled by a 4-sensor, 2-module (4S/2M) anti-lock braking system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All precautions shall be taken to prevent the brake mechanism from being damaged by road hazards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>LIGHTS, ELECTRICAL SYSTEM AND MARKINGS</u>		
General Specifications		
The trailer shall be furnished with a complete 12-volt light system consisting of marker lights and directional signals to comply with existing DOT regulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Revised June 19, 2024
 The trailer shall be furnished with a complete 12-volt light system consisting of
 marker lights and directional signals to comply with existing DOT regulations.

Official Resolution#: 2024000936

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 7 of 17

**ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

		COMPLIANCE	
		<u>YES</u>	<u>NO</u>
<u>LIGHTS, ELECTRICAL SYSTEM AND MARKINGS (Cont'd)</u>			
Wiring System			
The 12-volt wiring system shall be contained in modular-type, water-resistant harnesses.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
The tractor/trailer connector shall be a seven-wire socket.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
All wiring that runs through cross members shall be adequately protected from grounding.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
A self-powered auxiliary light system that flashes all of the trailer lights when power is interrupted or disconnected from the trailer shall be provided.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lights, Reflectors and Conspicuity			
All lights shall be of the sealed beam style and be mounted in a rubber grommet. They shall be recessed or provided with guards to prevent accidental damage.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
All marker lights shall be reflectorized.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Red and white conspicuity tape will be installed in conformity with NHTSA regulations.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
LAMP CONFIGURATION			
Two (2) LED amber marker/turn lights	Center of gooseneck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) LED white work lights w/switch	Gooseneck	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Front of deck, facing forward	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Front slope of deck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED mini strobe lights w/switch	Front slope of deck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ten (10) add'l LED amber marker lights	Deck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker/turn lights	Center of deck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker/turn lights	Center of riser area, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four (4) LED amber marker lights	Below each trunnion between tires, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED mini strobe lights	Rear of trailer, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED red marker lights	Rear of trailer, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED red stop/turn signal lights	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED red marker lights	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) LED red marker lights	Rear of trailer, center, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) LED white license plate light	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED oval amber strobe lights w/switch	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 8 of 17

**ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
<u>PREPARATION, PRIME AND FINISH</u>		
Preparation and Primer		
Prior to welding and assembly, the steel shall be shot-blasted and buffed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prior to painting, the steel shall be cleaned and ground to eliminate splatter and scale.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finish		
The assembled frame shall be primed with an epoxy primer . The frame shall be finished with one coat of the manufacturer's lead-free and chromate-free rust preventative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Accessories to be Included		
Four (4) Grade 70, 10-Foot Long, 3/8" Chains with hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) Grade 70, 16-Foot long, 3/8" Chains with hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) Grade 70, 20-Foot long, 3/8" Chains with hooks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Eight (8) binders for 3/8" chain, Grainger Peerless ratchet load binder rated for 12,000 lb., or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Four (4) tie-down straps with u-hooks; shall be between 15 and 20 feet in length, Grainger Tie Down Strap #38Z943, or equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WARRANTY		
The bidder shall include a copy of their standard commercial warranty with their bid.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Additionally, the warranty must include, at minimum:		
Limited Structural Warranty		
Shall warrant new trailer structure to be free from defects in material and workmanship under normal usage and service for a period of seven (7) years after delivery of the trailer to the customer. Warranty coverage will be in accordance with the schedule below. Trailer structure shall be considered the framework of the trailer (gooseneck, main frame and/or rear frame. This warranty is not transferable to any other customer who may purchase this trailer from the original owner within the seven-year period.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 9 of 17

**ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

WARRANTY (Cont'd)**Structural Warranty Coverage Schedule:**

Vendor shall bear that portion of the cost of repairing or replacing any trailer structure found to be defective within the seven-year warranty period based on the following schedule:

- One (1) Year: 100%
- Two (2) Years: 90%
- Three (3) Years: 80%
- Four (4) Years: 70%
- Five (5) Years: 60%
- Six (6) Years: 50%
- Seven (7) Years: 40%

☒☐**Warranty of Other-Manufactured Components:**

Manufactured components of trailers (other than the trailer structure), with the exception of loading ramps, for a period of one (1) year after delivery of the trailer to the customer. Vendor shall make no warranty of loading ramps, or of components supplied by other manufacturers, and the vendor's warranty of its own components will not expand or alter in any way the warranties of the original manufacturers and suppliers of components or accessories. Vendor shall assign to the customer any warranty rights it receives from the component manufacturer or supplier. Please contact you dealer in the event of a problem with the trailer or its components.

In general, components will be subject to the following manufacturers' warranties:

1. Axles, suspensions, wheels, rims, hubs, landing gear, hydraulic valves, and manufactured components: One (1) year: 100%; Over one (1) year: 0%
2. Cylinders, brake drums, brake valves, oil seals, shock absorbers, springs, air bags, leveling valves, air lines, bearings, electrical, hydraulic hoses/connections and paint: One (1) to six (6) months: 100%; Over six (6) months: 0%
3. Tires and tubes: Make claim directly to local tire dealer.
4. Engines: Make claim directly to local engine dealer.
5. Wear parts, including light bulbs, brake lining, all loading ramps and wood: 0% ☒

☐**Service Center**

Awarded vendor shall have an authorized service center within 90 miles from
Toms River

☒☐

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 10 of 17

✓ **ITEM #1 – CURRENT MODEL YEAR, OR NEWER, 50 TON NON- ROUND ENGAGING
DETACHABLE GOOSENECK 3-AXLE AIR RIDE GENTLE RISER LOWBOY SEMI-TRAILER
TRAILER, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

✓ **OPTIONS (Cont'd)**

✓ **1A. Training**

Training shall take place at a designated Ocean County Facility. Training shall be coordinated with the user department upon delivery of the vehicle.

Initial training will be eight (8) hours long:

Four (4) hours shall be spent with operators

Four (4) hours shall be spent with vehicle services technicians.

An outline of both training sessions shall be provided prior to occurrence.

Once the trailer has been in service for 60 days, another 8-hour training session will take place similar to the first at a designated Ocean County Facility.



COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 11 of 17

✓ **ITEM #2 – CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL**

			<u>COMPLIANCE</u>	
			<u>YES</u>	<u>NO</u>
GENERAL				
The purpose of these specifications is to describe in general terms the components in a 21-ton capacity, two-axle tagalong trailer.			<input checked="" type="checkbox"/>	<input type="checkbox"/>
It shall be capable of being towed over both improved and unimproved roads with a full capacity load.			<input checked="" type="checkbox"/>	<input type="checkbox"/>
The trailer shall be rated for full capacity at 60 MPH, concentrated in one-half the length of the deck.			<input checked="" type="checkbox"/>	<input type="checkbox"/>
DIMENSIONS				
Drawbar Length	80"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clear Deck Length (24' 0" flat deck plus 6' 0" beavertail)	30' 0"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Deck Height (loaded)	34"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Capacity (concentrated in 15' 0" of deck @ 60 MPH)	42,000 lbs.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Axle Spacing	49"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wheelbase	26' 0"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall Length	36' 10"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall Width	102"		<input checked="" type="checkbox"/>	<input type="checkbox"/>

SPECIFICATIONS FOR THE MAIN FRAME**Material and Construction****Longitudinal Members:**

All longitudinal carrying members shall be high strength low alloy steel.

The main frame shall consist of two (2) 14" deep I-beams made of
ASTM A572 GR50, 50,000 psi minimum yield steel.

☒ ☐

The side channels for this 21-ton capacity tagalong trailer shall be 8" deep
and made of ASTM A572 GR50, 50,000 psi minimum yield steel.

Cut-away areas over the tires will **not be acceptable**.

☒ ☐

Cross Members:

Construction of the main frame shall include seventeen (17) full width cross members: ten (10) 4" deep channels made of ASTM A36, 36,000 psi minimum yield steel, five (5) 6" deep I-beams made of ASTM A36, 36,000 psi minimum yield steel and two (2) formed cross members made of ASTM GR50, 50,000 psi minimum yield steel, pierced through the web of the main beams. Multiple piece cross members and knee braces shall be deemed unacceptable for these seventeen

Introduced on: June 19, 2024
Adopted on: June 19, 2024
Official Resolution#: 2024000936

☒ ☐

All cross members shall be welded to the main beams and side channels.

☒ ☐

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 12 of 17

**ITEM #2 - CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL (CONT'D)**

	COMPLIANCE	
	<u>YES</u>	<u>NO</u>
Drawbar:		
The drawbar shall be an integral "A" type at least 80" in length. Bending of the beam flanges is not acceptable when forming the drawbar.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The front plate that the pintle eye attaches to shall be a flat ½" thick late flush fit to the miter cut drawbar beams.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The drawbar pintle eye shall be a 4-bolt adjustable type and provide at least six (6) positions of height adjustment. The pintle eye shall have a minimum 15,000 lb vertical load capacity and 60,000 lb tow capacity. The inside diameter shall be 3".	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The safety chain shall be ½" proof coil and 132" long. It shall be fitted through the front plate of the drawbar instead of two (2) separate pieces of chain being welded or bolted to the drawbar. One (1) pair of clevis grab hooks with a safety latch will be supplied.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A heavy-duty single two-speed landing gear shall be installed in the center of the drawbar with a lifting capacity of 50,000 lbs and a static capacity of 70,000 lbs. The trailer will also be prepared to accept a dual landing gear setup if so desired in the future.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A steel covered lockable toolbox shall be provided at the rear of the drawbar.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access to Main Deck:		
The trailer shall have an 8-degree rear slope for easy loading of equipment. It shall be equipped with two (2) air operated rear loading ramps. The ramps shall be steel with oak inserts and shall measure 84" long x 38" wide. The ramps will have an additional 12" tapered ramp extension made of aluminum and is removable. When the ramps are not in use, they shall be in the upright vertical position and secured with a safety link bar that is attached to the sides of the beavertail of the trailer and the sides of the air ramps.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Anchor Points (Lashing D's):		
Fourteen (14) drop forged lashing D's of 1" diameter steel (C1030 steel construction) shall be provided, seven (7) each side of the deck.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flooring:		
The platform deck shall have full cut 1 ¾" air-dried oak laid longitudinally with the planking secured to the cross members with countersunk button head carriage bolts and floor clips. The hardwood decking shall be fitted to eliminate gaps.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drilling of the cross members or use of self-tapping screws to secure the deck is not acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 13 of 17

**ITEM #2 – CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL (CONT'D)**

	COMPLIANCE	
	<u>YES</u>	<u>NO</u>
THE REAR ASSEMBLY		
Suspension:		
The trailer shall be equipped with a multi-leaf spring, tandem axle underslung suspension rated at 44,800 lbs. capacity by the suspension manufacturer. The suspension shall be completely rubber mounted and require no lubrication.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Axles:		
Each of the two (2) axles of the trailer shall be of a through-type design with a 5" round axle bar. The wheel bearings shall be an oil-bathed type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The two (2) axles shall have a 71" track length so that the out-to-out of the tires dimension does not exceed 96".	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Each axle shall be rated at 22,500 lbs. capacity by the axle manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hubs and Wheels:		
The hubs shall be eight (8) stud, hub-piloted type and made of cast ductile iron.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The wheels shall be four (4) 17.5 x 6.75 hub piloted steel disc on the inner wheels and four (4) 17.5 x 6.75 hub piloted steel disc on the outer wheels.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tires:		
The trailer shall be equipped with eight (8) size 235/75R17.5 H16 radial tubeless tires.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
These tires shall be rated by the tire manufacturer at 22,700 lbs. per axle at highway speed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) spare wheels and tires to be provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BRAKE SYSTEM		
Air Delivery System:		
The complete system shall include: all necessary tubing; glad hand connectors at the front of the drawbar; and air reservoir(s), each with not less than 1507 cubic inch capacity.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The trailer shall be equipped with cable pull remote air tank drains.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mechanical Brakes:		
The four (4) wheel brakes shall be the two-shoe internal expansion type with molded block lining, size 12 1/4" x 7 1/4", actuated by constant riser "S" type cam, connected to Type 30 spring brake air chambers through automatic slack adjusters on each drum.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 14 of 17

**ITEM #2 – CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL (CONT'D)**

	<u>COMPLIANCE</u>	
	<u>YES</u>	<u>NO</u>
Mechanical Brakes: (Cont'd)		
Lubrication points shall be provided for lubrication of the cam shaft and brake shoe bushings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The entire system will be controlled by a 4-sensor, 2-module (4S/2M) anti-lock braking system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LIGHTS, ELECTRICAL SYSTEM AND MARKINGS		
The trailer shall be furnished with a complete 12-volt light system consisting of marker lights and directional signals to comply with existing DOT regulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wiring System:		
The 12-volt wiring system shall be contained in modular-type, water-resistant harnesses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The tractor/trailer connector shall be a seven-wire socket.		
One (1) 7-wire jumper cord is to have 7-round semi plugs on both ends.		
The drawbar is to have a 7-round harness socket connected to the main harness and mounted in the drawbar to accept the jumper plug.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All wiring that runs through cross members shall be adequately protected from grounding.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lights, Reflectors and Conspicuity:		
All lights shall be of the sealed beam style and be mounted in rubber grommets. They shall be recessed or otherwise provided with guards to prevent accidental damage. All marker lights shall be reflectorized.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Red and white conspicuity tape will be installed in conformity with NHTSA regulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 15 of 17

**ITEM #2 – CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL (CONT'D)****COMPLIANCE**
YES NO**LIGHTS, ELECTRICAL SYSTEM AND MARKINGS (Cont'd)****Lamp Configuration:**

Two (2) LED white license plate lights	Inside of toolbox	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Front of deck, facing forward	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED mini strobe lights w/switch	Front of deck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Front of deck, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Side of deck behind 2nd lashing D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker/turn lights	Side of deck behind 3rd lashing D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Side of deck behind 4th lashing D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED amber marker lights	Side of deck ahead of last lashing D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED mini strobe lights	Front of beavertail, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED red marker lights	Rear of trailer, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) amber ABS marker light	Rear of trailer, roadside, facing out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED red stop/turn signal lights	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED red marker lights	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Three (3) LED red marker lights	Rear of trailer, center, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Two (2) LED mini strobe lights w/switch	Rear of trailer, above 3-light cluster	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One (1) LED white license plate light	Rear of trailer, facing aft	<input checked="" type="checkbox"/>	<input type="checkbox"/>

PREPARATION, PRIME AND FINISH

Prior to welding and assembly, the steel shall be shot-blasted and buffed.

Prior to painting, the steel shall be cleaned and ground to eliminate splatter and scale.

The assembled frame shall then be primed with epoxy primer.

Finish

The assembled frame shall be primed with an epoxy primer. The frame shall be finished with one coat of the manufacturer's lead-free and chromate-free rust preventative.

☒☐**Accessories to be Included**

Four (4) Grade 70, 10-Foot Long, 3/8" Chains with hooks

☒☐

Two (2) Grade 70, 16-Foot long, 3/8" Chains with hooks

☒☐

Two (2) Grade 70, 20-Foot long, 3/8" Chains with hooks

☒☐

Eight (8) binders for 3/8" chain, Grainger Peerless ratchet load binder rated for

12,000 lb, or equal

☒☐

Adopted on: June 19, 2024

Official Resolution#: 2024000936

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

Page 16 of 17

**ITEM #2 – CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL (CONT'D)**

COMPLIANCE
YES NO

Accessories to be Included (Cont'd)

Four (4) tie-down straps with u-hooks; shall be between 15 and 20 feet in length,
Grainger Tie Down Strap #38Z943, or equal

**WARRANTY**

The bidder shall include a copy of their standard commercial warranty with their bid.



Additionally, the warranty must include, at minimum:

Limited Structural Warranty

Shall warrant new trailer structure to be free from defects in material and
workmanship under normal usage and service for a period of seven (7) years
after delivery of the trailer to the customer. Warranty coverage will be in
accordance with the schedule below. Trailer structure shall be considered
the framework of the trailer (gooseneck, main frame and/or rear frame.

This warranty is not transferable to any other customer who may purchase this trailer
from the original owner within the seven-year period.

**Structural Warranty Coverage Schedule:**

Vendor shall bear that portion of the cost of repairing or replacing any trailer
structure found to be defective within the seven-year warranty period based on
the following schedule:

One (1) Year: 100%

Two (2) Years: 90%

Three (3) Years: 80%

Four (4) Years: 70%

Five (5) Years: 60%

Six (6) Years: 50%

Seven (7) Years: 40%

**Warranty of Other-Manufactured Components:**

Manufactured components of trailers (other than the trailer structure), with the exception
of loading ramps, for a period of one (1) year after delivery of the trailer to the customer.
Vendor shall make no warranty of loading ramps, or of components supplied by other
manufacturers, and the vendor's warranty of its own components will not expand or alter
in any way the warranties of the original manufacturers and suppliers of components or
accessories. Vendor shall assign to the customer any warranty rights it receives from the
component manufacturer or supplier. Please contact you dealer in the event of a problem
with the trailer or its components.

COMPLIANCE PAGES FOR MOTOR VEHICLES: EQUIPMENT TRAILERS

**ITEM #2 – CURRENT MODEL YEAR, OR NEWER, 21 TON DRAWBAR TAG-ALONG
TANDEM AXLE SPRING RIDE SUSPENSION TRAILER, AS SPECIFIED OR EQUAL (CONT'D)**

<u>COMPLIANCE</u>	
<u>YES</u>	<u>NO</u>

WARRANTY (Cont'd)**Warranty of Other-Manufactured Components: (Cont'd)**

In general, components will be subject to the following manufacturers' warranties:

1. Axles, suspensions, wheels, rims, hubs, landing gear, hydraulic valves, and manufactured components: One (1) year: 100%; Over one (1) year: 0%
2. Cylinders, brake drums, brake valves, oil seals, shock absorbers, springs, air bags, leveling valves, air lines, bearings, electrical, hydraulic hoses/connections and paint: One (1) to six (6) months: 100%; Over six (6) months: 0%
3. Tires and tubes: Make claim directly to local tire dealer.
4. Engines: Make claim directly to local engine dealer.
5. Wear parts, including light bulbs, brake lining, all loading ramps and wood: 0% ☒ ☐

Service Center

Awarded vendor shall have an authorized service center within 90 miles from
Toms River ☒ ☐

OPTIONS**2A. Training**

Training shall take place at a designated Ocean County Facility. Training shall be coordinated with the user department upon delivery of the vehicle.

Initial training will be eight (8) hours long:

Four (4) hours shall be spent with operators

Four (4) hours shall be spent with vehicle services technicians.

An outline of both training sessions shall be provided prior to occurrence.

Once the trailer has been in service for 60 days, another 8-hour training session will take place similar to the first at a designated Ocean County Facility. ☒ ☐