

The City of Pascagoula is seeking bids for a MOBILE STAGE UNIT
that meets or exceeds the following specifications:

STAGE:

Stage Deck Dimensions L x W	20' x 15'5" (6.10m x 4.69m)
Stage Deck Height Range	47" – 51" (119 - 130 cm)
Canopy Dimensions L x W	21'7" x 17'8" (6.58m x 5.38m)
Canopy Front Height above Deck	13'8" (4.16m)
Canopy Trim Height – Front	12'1" (3.68m)
Canopy Rear Height above Deck	8'11" (2.71m)
Canopy Trim Height - Rear	7' 8" (2.34m)
Stage Roof L x D	21'6" x 17'8"

LOADING CAPACITIES

Total Canopy Load Capacity	4100 lbs (1860 kg)
Front & Rear Trusses - (evenly distributed)	1000 lbs ea (454 kg)
Center Light Bar - (evenly distributed)	500 lbs (227 kg)
Standard Speaker Lug – (1) each end	800 lbs ea (363 kg)
Wind Gust – standard stage	68 mph
Wind Gust – with Rear Windwall	53 mph
Roof Live Load	7 psf
Stage Deck Live Load	100 psf

TRAILER

Overall Trailer Length (standard hitch)	28'
Trailer Body Length	22' 5"
Trailer Width	8' 4"
Trailer Height	13' 2"

TOWING

OAL - including standard hitch	28' (8.53m)
Width	8' 4" (2.54m)
Height	13' 2" (3.99m)
Vehicle Weight (empty) - Base Stage	6,920 lbs (3140 kg)
GVWR	9,876 lbs (4480 kg)
Payload	2,956 lbs (1341 kg)
Coupler (standard)	Pintle

CONSTRUCTION

Stage Deck	3/4" MDO Plywood/Aluminum Structure
Canopy	Welded PVC Coated Polyester/Aluminum Structure
Frame	Welded Aluminum
Canopy Columns & Hitch	Galvanized Steel

The stage should have:

1. Hydraulic (push button) Stage Setup. A built-in electric/hydraulic actuation system that simultaneously opens and raises the roof canopy as the stage deck lowers, transforming from a highway-legal trailer to an elevated stage with full roof coverage. Set up shall be with one person in 15 minutes for roof and deck operation and locking.
2. Roof Canopy shall have built-in full-coverage canopy extending beyond the stage deck on all four sides. When raised, the canopy should be sloped rearward, guiding precipitation to the back of the stage. Water should not be able to leak onto performers and equipment, without gaskets or seals.
3. The canopy's aluminum support structure shall be 2" O.D. tube along the bottom of each support truss and provide for generous lighting mounting locations. The roof structure should accommodate windwalls and other staging components that can attach to the canopy structure.
4. Roof Canopy shall raise by a (1) button remote control in less than 3 minutes.
5. Canopy shall offer open, uncluttered audience sightlines without use of front vertical corner posts or columns.
Secondary corner support columns shall not be for equipment or wind load safety.
6. Column Structure shall be steel construction, galvanized for weather resistance after fabrication.
7. The canopy shall be factory installed and have an-echoic acoustically-passive canopy covering made of fire retardant 18oz PVC coated polyester fabric, tightly stretched and bolted to the aluminum structure. Canopy is reinforced with PVC coated polyester webbing. Canopy shall be all welded one piece to prevent leak points at folding hinge lines. Hinge lines shall be continuous and of the same flexible material as throughout the top to prevent leaks and eliminate gasket seal maintenance. Soft covering shall provide superior sound acoustics, offer impact resistance, be resistant to yellowing, and provide a smooth surface for large promotional graphics. Roof shall have added UV protection acrylic clear-coat for durability and ease of cleaning.
8. Stage Deck should be comprised of $\frac{3}{4}$ " MDO plywood with renewable stage surface finish, fastened to welded aluminum stage support structure with no above deck fasteners. It shall fold with powered hinged stage deck section lowering to produce a flat, approximately 16ft deep, stage performance area. A neutral gray deck coating should be applied to reduce deck temperatures. Deck should be inherently sound dampened.
9. Stage deck should have a concealed hinge design eliminating the need to install hinge-line gap filler strips.
10. Aluminum guardrails should be provided for along the stage rear edge. Rails should be able to be install by hand without tools.
11. Stairs shall be constructed of aluminum tread-plate with ADA enclosed risers and handrails that attach to the stage deck perimeter. Adjustable legs should adapt the stairs to ground level.
12. Weather-Resistant Materials shall be used throughout the stage, including a galvanized steel and marine alloy aluminum structure; permanent welded one piece PVC/polyester acoustic roof top, and rugged renewable surface stage deck.
13. Stage shall meet IBC stage codes and DOT public highway transport requirements.
14. Stage shall be built ground-up to assure design and construction integrity. Prior to delivery, stage shall undergo final assembly inspection and proof load testing. Stage shall be backed by company with 30+ years of mobile staging design and construction.

15. Stage deck and roof shall have automatic over-center up locking requiring no loose pins. Roof shall be capable of rapid lowering within 5-minutes or less without removal of vertical corner post columns in the event of sudden severe weather. Stage operation shall not require a gasoline combustion engine for stage operation.
16. Towable by a standard pick-up truck.

Construction should be:

1. **Rugged Main Frame:** Extensive use of marine grade alloy aluminum in the stage frame and support members provides a rugged, corrosion resistant structure that results in a reduced towing weight along with reduced site impact.
2. **Main Trailer Frame –** Exhibit/certify that chassis and stage structure is to be made of welded aluminum construction.

Chassis assembly shall not be riveted with Huck type rivets.

3. **Leveling Support Jacks –** four (4) mounted leveling/support jacks shall be manual crank with drop legs for fast, precise leveling and lifting of stage. Mid-frame jacks shall also be to absorb live stage loads.
4. **Precision bubble-type levels** shall be attached to the stage frame to expedite accurate leveling. A total of four (4) levels shall be installed - two (2) sets of two (2) at opposite stage frame corners
5. **Leveling/Support Jacks:** Heavy-duty, frame-mounted, crank leveling/support jacks to expedite accurate stage leveling. Stage deck height adjusts from 49" to 51" high.
6. **Deck Support Truss:** The folding stage deck is equipped with an automatically extending full-length welded aluminum support truss equipped with crank adjustable leveling/support legs to speed and simplify stage setup. The truss produces and maintains a flat stage surface, with crank jacks expediting the leveling process.
Roof structure shall consist of three (3) full length support trusses for upstage, middle, and downstage with standard 2" pipe for mounting supplemental lighting. Roof trusses shall be connected with 2" aluminum pipe rafters 48" OC. Roof structure shall be welded and bolted marine aluminum construction.

~~7.~~

~~8.7.~~ **Hydraulic Stage Decks –** stage decks shall be comprised of two sections; (1) one fixed to trailer, and (1) one hydraulic, folding to form a flat stage deck area. After trailer is leveled, folding deck shall hydraulically power down and lock into position. Stage perimeter shall be extruded aluminum beam designed to attach stairs, guardrails, and optional stage extension sections.

~~9.8.~~ **Floor and Roof** must be remote control powered hydraulic operated. Gas struts, gas springs, gas shocks to open / close stage deck or roof are not acceptable.

~~10.9.~~ **Enclosed Mechanical Compartment** should be mainframe mounted, welded aluminum compartment to house the stage systems and components.

~~11.10.~~ **Electricity:** A breaker panel should be included with electrical circuits routed through a 220V, 125 amp capacity load center panel. There should be a main breaker and four (4) additional 20 amp panel mounted circuit breakers. There shall be three (3) receptacle mounted in the canopy and one (1) on each truss at the hitch end of the stage. There shall be two (2)

duplex receptacles mounted in the canopy rear on two (2) circuits. There shall also be a power cord, graded to 50' 6/4W.

~~12-11.~~ Other electrical:

- a. Two (2) exterior LED Flood Lights shall have a shock-absorbing weatherproof body that will not rust. Lights should be fully adjustable for aiming and be 12v DC/3.2amps. They should be switch controlled and self-contained for use when stage is not connected to an AC power source.
- b. Two (2) LED Compartment Lights shall be mounted inside the stage and switch controlled with a high and low light setting. They should be s12v DC/.59/1.34 amps and be self-contained for operation when stage is not connected to an AC power source.

~~13-12.~~ LED Setup Lights shall be built-in, canopy support mounted 12VDC LED work lights facilitate loading and set up during night time hours.

~~14-13.~~ The bandstand shall be highly maneuverable to fit into confined event sites. It should have the capacity to be pivoted perpendicular across a street for street festival applications.

~~15-14.~~ Suspension shall be heavy-duty with smooth towing both on and off road. Stage shall be equipped with electric brakes.

~~16-15.~~ Tongue shall be fold-away to enhance stage aesthetics during performances by pivoting the tongue along the stage end. When folded, tongue should no longer present a hazard.

~~17-16.~~ Tongue Jack. Towing tongue shall be equipped with a heavy-duty crank operated jack with a choice of 2 5/16" ball or pintle couplers.

~~18-17.~~ DOT Lights. Stage shall be equipped with LED stop, signal, and marker lights, reflectors, license light, and 12VDC connector cable.

~~19-18.~~ Expected delivery shall be 90-120 days.

~~20-19.~~ D.O.T. Requirements - The stage shall comply with all current D.O.T. regulations established for over-the-road vehicles.

~~21-20.~~ Interior and exterior of stage may be completely hosed out for easy maintenance.

~~22-21.~~ The stage shall be engineered to the following codes and regulations:

- Department of Transportation
- OSHA
- IBC

A sealed professional engineer's letter shall be required with bid certifying the stage's deck, roof and wind load capability.

~~23-22.~~ Drawings and dimensions of the stage, deck, road height and width and all options must be submitted with bid.

~~24-23.~~ Two (2) operation and maintenance manuals shall be supplied at time of delivery.

~~25-24.~~ On-site training on all stage operations shall be provided by a Factory Authorized Representative within two (2) weeks of stage delivery within Continental United States.

~~26-25.~~ Warranty certificate, for a minimum of one (1) year, shall be supplied bound with manuals with terms and conditions of warranty stated on certificate.

~~27-26.~~ Warranty service provided by manufacturer shall be through factory service or contract service through a local contractor at the discretion of the manufacturer. Regular scheduled maintenance shall be provided by owner through local resources. Standard wear components

such as tires, brakes, bearings, light bulbs, hydraulic fluid, batteries, electric system components, and hydraulic system components, shall be locally available through automotive or industrial supply houses. Manufacturer shall maintain availability of all standard wear components or alternatives for a period of ten (10) years for supply to the customer.

~~28.~~27. Deck panels shall be repairable by owner/operator and most automotive or truck body shops if ever damaged. Repair kit must be available from manufacturer.

~~29.~~28. All equipment offered under these specifications to be new. USED, SHOPWORN, DEMONSTRATOR, PROTOTYPE, OR DISCONTINUED MODELS ARE NOT ACCEPTABLE.

NOTE: Stage shall require no hand tools or involve loose nuts & bolts during set-up or take down for transport.

REFERENCES: Bidder must demonstrate experience in building mobile stages by supplying references as requested with customers, names, addresses and phone numbers.

Alternate Options

Prices shall be listed separately for the following options:

1. Equipment loading ramp shall be 12'L x 35" wide and have the capacity to attach to the stage perimeter to facilitate placement of equipment on the stage deck.
2. Hitch mounted caster wheel shall be attached to the tongue to allow for maneuverability and positioning of stage when disconnected from the towing vehicle
3. Horizontal Marquee Banner Brackets to mount highly visible horizontal marquee banners in prime area above front of roof canopy. Kit should include vertical hardware posts that attach to front of roof canopy. Stainless steel support cable system attaches to posts to display event or sponsor mesh banner up to 42" high above stage. Brackets should be able to hold a banner a minimum of 107cm x 37.47cm x 33cm in size.
4. Side hanging banner hardware shall be constructed of telescoping aluminum and mounted on the each side of the front canopy truss and front of the stage deck.
5. Side hanging speaker hardware shall be telescoping speaker hanging beams will cantilever speakers off left and right side of the roof canopy. The speaker support beams shall retract into the canopy during stage transport and storage. The loading capacity shall be 800 lbs each.
6. Weather Protection Enclosure Package to include:
 - a. Media End Panels to attach at each end of trailer (stage left and right). The hinged panels shall open to provide additional stage backdrop and hanging support for promotional event signage and banners. Panels should serve to enclose the trailer ends during transport and storage.
 - i. Panel structure shall be welded aluminum with a matching stage canopy roof. Panels may be hinged to stage roof canopy or stage rear vertical supports. In

trailer mode, the panels shall open for access to stage interior, facilitating equipment loading.

- b. Windwall Curtain to enclose stage back wall during performances, providing both a visual and wind/weather backdrop. The windwall shall be constructed of rainproof fire-retardant grey 18oz PVC coated polyester curtain to slide on canopy mounted track. Curtain surface shall accept promotional graphics. This windwall shall also serve as a stage enclosure during transport and stage storage, protecting stage interior and stored equipment.

Total Stage Price: \$ 79,500

Alternate Option #1: \$ 1,800

Alternate Option #2: \$ 540

Alternate Option #3: \$ 2,670

Alternate Option #4: \$ 1,543

Alternate Option #5: \$ 907

Alternate Option #6: \$ 5,525

Total with ALL Alternate Options: \$ 92,485



Company Name _____

299 Prather Lane, PO Box C, Sellersburg, IN 47172 USA
Phone: 812/246-3371 Fax: 812/246-5446
www.centuryindustries.com

Date of Quote 5/24/18

Contact Person MICHELLE MCKRAE

Address michelle@centuryindustries.com

Phone Number (x12)