



Transportation Dolly

Approximate Dimensions: 12.5ft W x 135ft L x 16ft H; Weight w/Payload: 90,000 lbs

Requirement:

- Develop a Transport System that will meet DOT approvals for road transport.

Solution:

- Design a three-axle air suspension dolly system that meets the interface requirements and DOT certification criteria.
- Incorporate as the main transporter structure to minimize weight.
- Utilize the Nastran Finite Element Analysis System to ensure a lightweight structurally sound vehicle.
- Use the AutoCAD design system to evaluate system clearances and functionality.