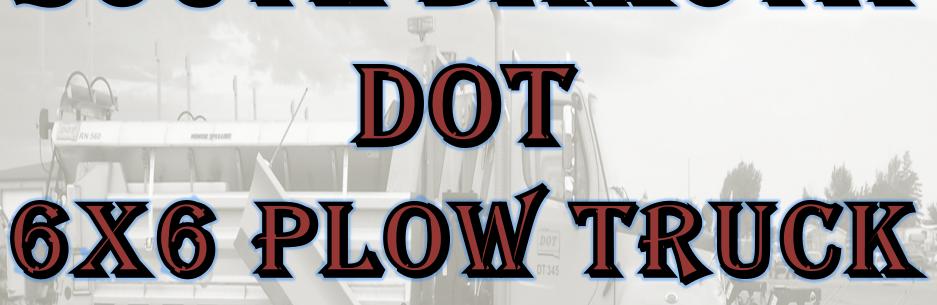
SOUTH DAKOTA





6x6 Drive Plow Truck

- Aging Fleet Oshkosh
- New Technology
- More Mobile
- Meet current standards
- Built to meet legal load limits

Why do we need 6x6 Trucks??



Why do we need 6x6 Trucks??



Current Trucks



Current Trucks





Process

- Cost factors
- Equipment needed
- Effectiveness / mobility
- Built legal for bridge laws

Specifications / Engineering

- Written Specification of 36 pages to define how the truck and equipment was to be built.
- 3 ½ months working with the truck and body engineers to get equipment to fit on truck.



The Fear of specifications



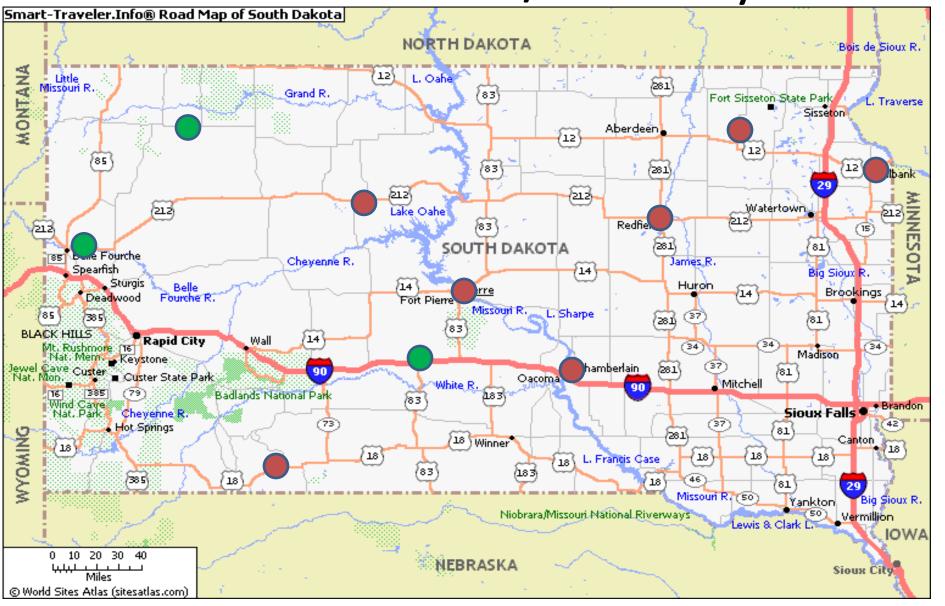
The Fear of specifications



Cost

- Total Cost of Mack 6x6 with attached equipment - \$277,538
- Included: Truck, Frame mounted sander, 60" steel plow, V-plow, 12' benching wing, hydraulics, warning lights, camera's.

Effectiveness / Mobility



Current Standards

- Equipment to meet current standards
- Sander Controls to meet current standards

Old Technology



New Technology



Build for Legal Bridge Laws Issues

- Front axle over weight
 - Front wing causing front axle to be over weight
 - Redesign placement of wing to make axle legal
 - Being able to view the wing (Cameras)

Final Weights

- Front Axle 20320 Legal up to 23,000
- Rear Axles 20,060 Legal up to 34,000
- Total Weight 40,520 Legal up to 57,000
- Legal payload capacity is 16,480
- 8 yards of salt 12,000
- 400 gallons of salt brine 3,600
- Fully loaded the truck is 880 pounds of maximum legal weight.









