

NJDOT



**SNOW
FLOWING
GUIDE**

SNOW

NJDOT

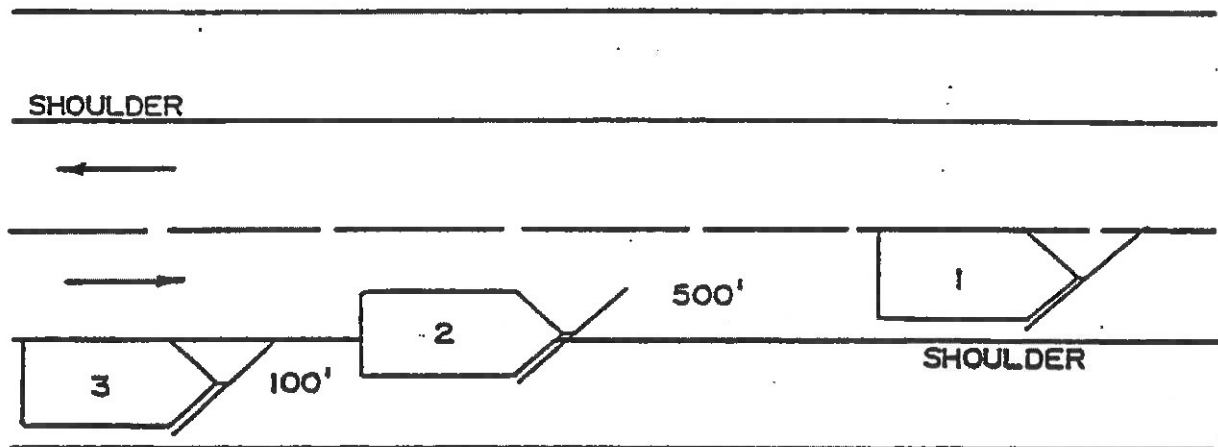


**SPREADING
SERVICES
GUIDE**

SPREADING

These Guides for both Plowing & Spreading Services can be found on the Intranet under Winter Operations.

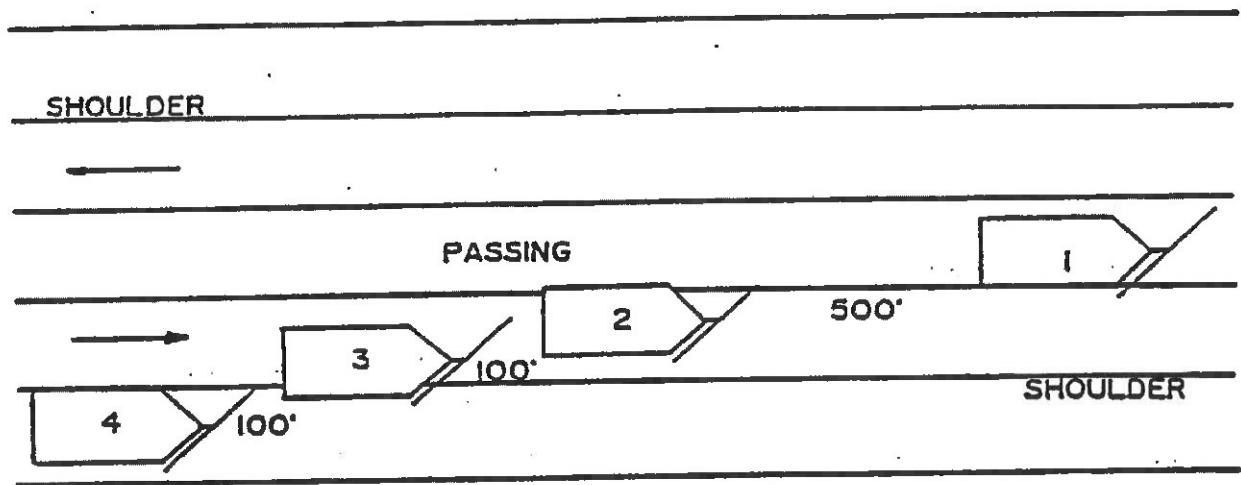
Figure 1
Plowing Standards
2 Lane, 2 Direction
Highway



TWO-LANE TWO-DIRECTION HIGHWAY

Truck #1 guides on the centerline of the highway curb with the plow extending slightly into the other lane. Truck #2 follows approximately 500 feet behind Truck #1 and overlaps the area plowed by Truck #1 approximately 2 feet. Truck #3 follows approximately 100 feet behind Truck #2 and cleans the remaining area to the gutter line.

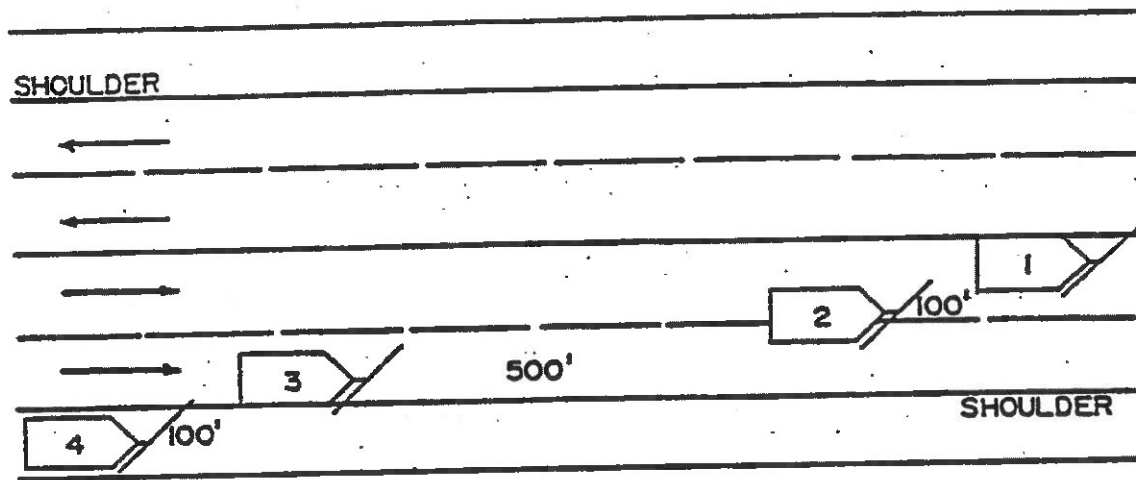
Figure 2
Plowing Standards
3 Lane, 2 Direction
Highway



THREE-LANE TWO DIRECTION HIGHWAY

Truck #1 guides the right side of the truck on the lane line between the normal travel lane and passing lane. Truck #2 follows approximately 500 feet behind Truck #1 and overlaps the area plowed by Truck #1, approximately 2 feet. Truck #3 follows approximately 100 feet behind Truck #2 and overlaps the area plowed by Truck #2 by approximately 2 feet. If a fourth truck is available, it should follow approximately 100 feet behind Truck #3 and finished pushing the snow to the gutter line.

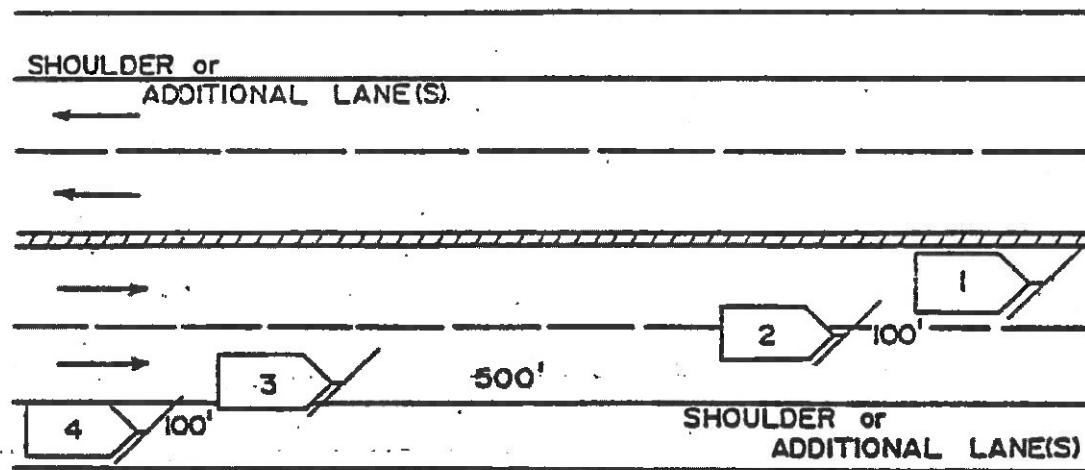
Figure 3
Plowing Standards
Four Lane Undivided Highway



FOUR-LANE UNDIVIDED HIGHWAY

Truck #1 guides on the centerline of the highway with the plow extending slightly into the lane carrying traffic in the other direction. Truck #2 follows approximately 100 feet behind Truck #1 and overlaps the area plowed by Truck #1 by approximately 2 feet. Truck #3 follows approximately 500 feet behind Truck #2 and overlaps the plowed area approximately 100 feet behind Truck #3 and overlaps the plowed area by approximately 2 feet.

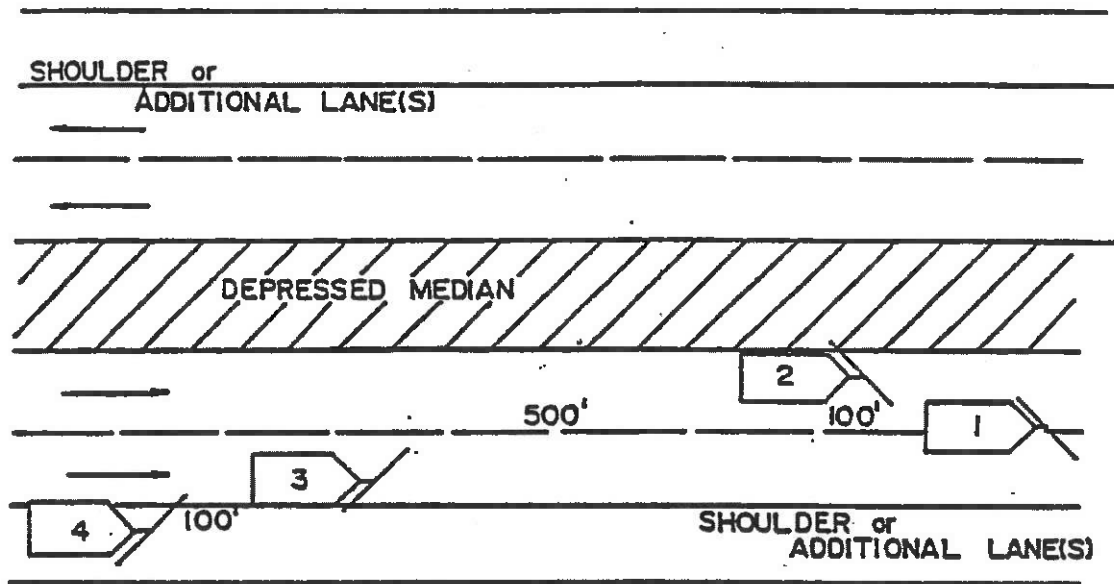
Figure 4
Plowing Standards
Multi - Lane Divided Highway
Raised Median with No Drainage



MULTI-LANE DIVIDED HIGHWAY - RAISED MEDIAN WITH NO DRAINAGE

Truck #1 guides the left edge of the snow plow at the edge of the raised median. Truck #2 follows approximately 100 feet behind Truck #1 and overlaps the area plowed by Truck #1 approximately 2 feet. Truck #3 follows approximately 500 feet behind Truck #2 and overlaps the area plowed by approximately 2 feet. A fourth truck should follow approximately 100 feet behind Truck #3 and overlap the plowed area by approximately 2 feet. Additional trucks may be required with more lanes. Each subsequent truck shall maintain a spacing of 100 feet and overlap the plowed area by approximately 2 feet.

Figure 5
Plowing Standards
Multi – Lane Divided Highway
Depressed Median with Drainage

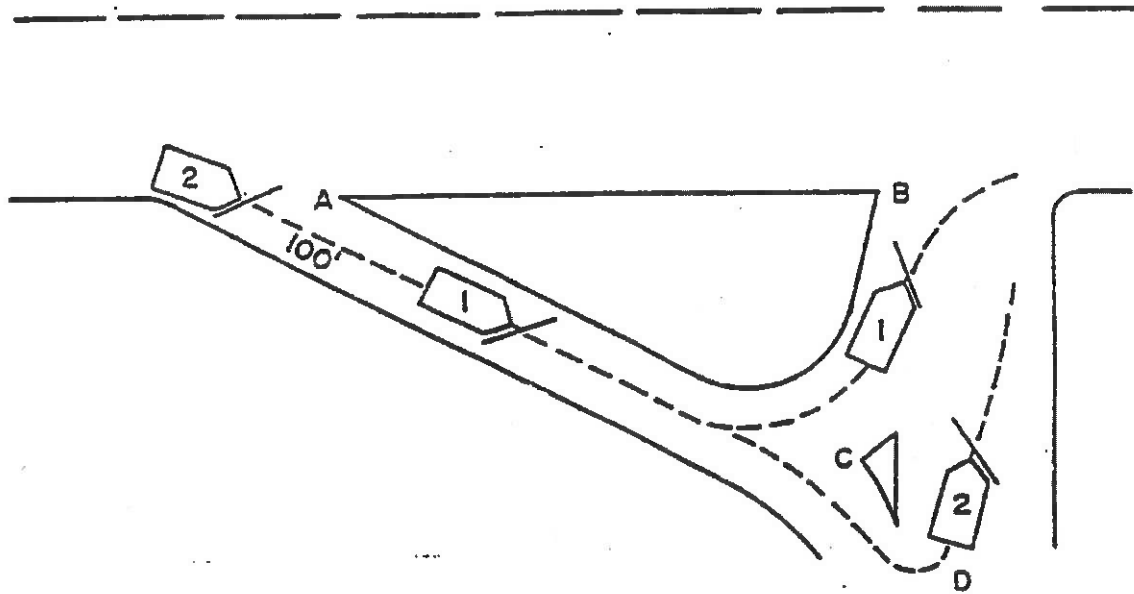


MULTI-LANE DIVIDED HIGHWAY - DEPRESSED MEDIAN WITH DRAINAGE

Truck #1 guides the center of the truck on the centerline of the lanes to be plowed. This truck plows the snow to the left. Truck #2 also plows to the left overlapping Truck #1 by approximately 2 feet and follows it by approximately 100 feet. Truck #3 follows approximately 500 feet behind Truck #2 and overlaps the plowed area by approximately 1 foot. Truck #4 follows approximately 100 feet behind Truck #3 and overlaps the plowed area by approximately 2 feet. Additional trucks may be required with more lanes. Each subsequent truck shall maintain a spacing of 100 feet and overlap the plowed area by 2 feet.

NOTE: When a raised median has inside drainage and storage area available, this formation may be used.

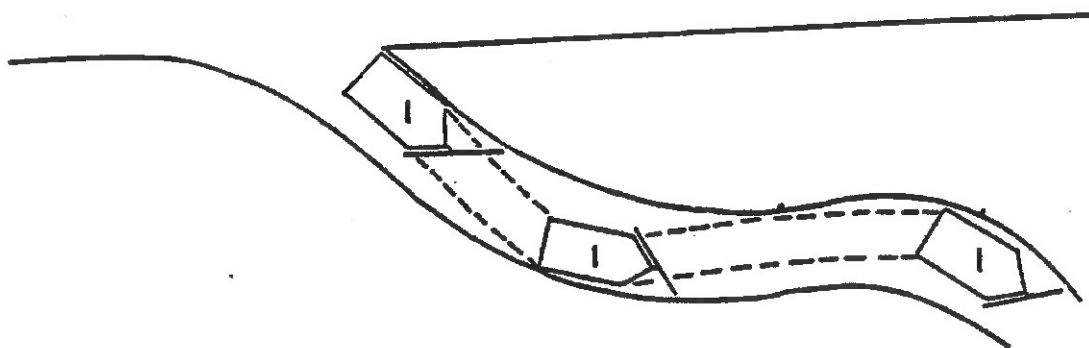
Figure 6
Plowing Standards
Jughandles



JUGHANGLES

Truck #1 plows the jughandle by staying near the left side of the roadway all the way around the island until the truck intersects the gutter line of the main roadway. Truck #2 follows approximately 100 feet behind Truck #1 and overlaps the plowed area by pushing the snow to the gutter line. This provides the maximum clear path for the cross traffic and provides for more efficient clean up later. Snow at the points of the island (A, B and C on sketch) and windrow across the side road (D) shall be pushed back after the storm is over.

Figure 7
Plowing Standards
Switch Back Curve Ramps



SWITCH-BACK CURVE RAMP

This type of ramp is most effectively plowed by a truck with a power-reversible plow or a grader. This vehicle should plow from the high side to the low side by switching the plow when the curve changes from one direction to another. This again is to minimize the problem due to thawing and refreezing cycles and to provide the most efficient means of clean up. If a grader or truck as mentioned is not available, use a truck plowing to the right using the left curb as a guide. When the storm is over, return and move the snow to the low side where necessary. Widening should be progressive to the low side as much as possible.