

Maintenance Innovation State of the Practice

Innovation: Transporting Temporary Traffic Control Devices

Description: The Manual on Uniform Traffic Control Devices (MUTCD) describes Temporary Traffic Control (TTC) Plans, including the use of TTC devices. Construction zones or other areas needing TTC can be large, and transporting the devices requires appropriate vehicles and equipment. Michigan, for example, currently uses sign trailers carrying a box for the signs and bases with an arrow board on top.



(Source: South Carolina DOT.)

Requester Name/Agency: Matt Pratt, Michigan Department of Transportation

Date of Request: April 17, 2024

Query: When setting up temporary traffic control devices, what type of equipment is used to haul signs to the job site?

Summary of Responses:

State	Vehicles and Equipment Used for Transporting Devices	Photos Provided by Respondent?	Other Comments
California	<ul style="list-style-type: none"> Cone body trucks. Towable arrow boards. 	Yes	N/A
Idaho	N/A	No	The agency's six districts and 45 road foreman areas translates to 45 different methods. The agency would like to standardize practices but has not done so yet.
Indiana	Crew cab truck.	No	No specific equipment universally used.
Maryland	<ul style="list-style-type: none"> Standard cattle trucks. 1-ton dump truck. Pro bed truck (new to fleet) has a moving bed to support climbing in and out of the vehicle while loading and unloading equipment. Other equipment as shown in photos provided separately. 	Yes	Guardrail provision is contracted out.
Ohio	<ul style="list-style-type: none"> Several traffic control trucks and a variety of flatbed trailers. Some counties maintain emergency response box trailers with everything needed for a four-lane closure that are kept at locations near high-volume highways. 	Yes	N/A

State	Vehicles and Equipment Used for Transporting Devices	Photos Provided by Respondent?	Other Comments
South Carolina	<ul style="list-style-type: none"> Vertical sign rack can be modified to work with any work truck. Trailers with variety of equipment racks. 	Yes	The agency does not have anything that is “universally used.” A recent innovation competition highlighted vertical sign racks with a simple design and a material cost of less than \$40 each. The rack reduces back strain, damage to equipment and set-up time.
Texas	Several different styles of set up trailers and trucks.	Yes	Agency uses several different methods.
Utah	<ul style="list-style-type: none"> Trailers for small traffic control operations. Attaches arrow board to truck rather than trailer. 	No	Most traffic control functions are contracted out.
Virginia	<ul style="list-style-type: none"> A few different sign trailers; most are not enclosed. Dump truck bed insert unit for work zone set up. 	Yes	A 1-minute video and several pictures from the traffic control device discussion at the October 2023 No Boundaries meeting in Suffolk, Virginia, are available on the No Boundaries Flickr site .

N/A Not applicable

Reference

[Part 6, Temporary Traffic Control](#), Manual on Uniform Traffic Control Devices, 11th Edition, Federal Highway Administration, December 2023.