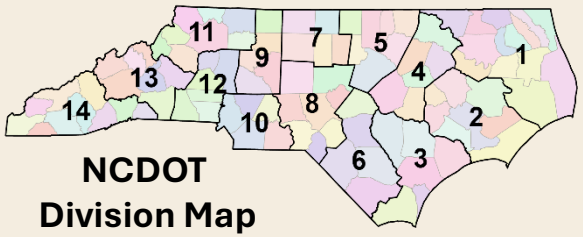
NCDOT District Engineer's Office Contact List

Div	Dist	Counties	Telephone
1	1	Camden, Currituck, Dare, Gates, Pasquotank, Perquimans	252-621-6400
	2	Bertie, Hertford, Northampton	252-513-6030
	3	Chowan, Hyde, Martin, Tyrell, Washington	252-789-6150
2	1	Beaufort, Greene, Pitt, Lenoir	252-623-5300
	2	Carteret, Craven, Jones, Pamlico	252-649-6500
3	1	Onslow, Pender	910-467-0500
	2	Duplin, Sampson	910-682-5100
	3	Brunswick, New Hanover	910-398-9100
4	1	Edgecombe, Halifax	252-583-4230
	2	Nash, Wilson	252-462-2550
	3	Johnston, Wayne	919-739-5300
5	1	Wake	919-814-6115
	2	Durham, Granville, Person	919-317-4770
	3	Franklin, Vance, Warren	252-598-5100
6	1	Robeson	910-702-6030
	2	Cumberland, Harnett	910-364-0601
	3	Bladen, Colombus	910-788-5300
7	1	Alamance, Orange	336-570-6833
	2	Guilford	336-487-0100
	3	Caswell, Rockingham	336-520-6060
8	1	Chatham, Randolph, Montgomery	336-318-4000
	2	Hoke, Lee, Moore, Richmond, Scotland	910-944-7621
9	1	Davidson, Rowan	336-747-7800
	2	Davie, Forsyth, Stokes	336-747-7800
10	1	Cabarrus, Stanly	704-983-4360
	2	Mecklenburg	980-523-0000
	3	Anson, Union	704-218-5100
11	1	Alleghany, Surry, Yadkin	336-530-6018
	2	Avery, Caldwell, Watauga	828-268-6026
	3	Ashe, Wilkes	336-903-9172
12	1	Cleveland, Gaston	980-552-4100
	2	Alexander, Iredell	704-380-6040
	3	Catawba, Lincoln	980-405-6000
13	1	Burke, McDowell, Mitchell, Rutherford	828-803-6100
	2	Buncombe, Madison, Yancy	828-250-3200
14	1	Henderson, Polk, Transylvania	828-891-7911
	2	Haywood, Jackson, Swain	828-497-7333
	3	Cherokee, Clay, Graham, Macon	828-321-4105



NCDOT Division Map

NC DMV-349 Collision Reports

When completing a collision report form for a collision, it is essential that the "Location" information be collected as accurately as possible. Failure to provide complete and accurate information can result in inaccurate crash data which is likely to affect the identification of locations in need of safety improvements as well as project funding decisions.

The collection of latitude and longitude coordinates for every crash is encouraged. This method clarifies the crash location and verifies the location indicated by road names and distances. You can use the following lat/long web tool: https://gis13.services.ncdot.gov/latlongmap/

Prepared by:
The Traffic Safety Unit
of the
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North Carolina Department of Transportation

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Raleigh, NC 27699-1501

For more information, call us toll free at 1-877-DOT-4YOU, or visit our web site at www.ncdot.gov

Download the latest version of this brochure at:
https://connect.ncdot.gov/resources/safety/TrafficSafetyResources/RoadsideSafetyDevicesEstimatedCostBrochure.pdf

August 2025

Roadside Safety Devices

Fifth Edition

Shoulder Guardrail

Median Barriers

Roadside Signs

A Guide to Estimating Replacement Costs and Damages

Overview

This reference guide has been produced by the North Carolina Department of Transportation (NCDOT) to provide law enforcement officials with a more accurate method of assessing actual damages and repair/replacement costs to roadside safety devices to be included on the DMV-349, North Carolina Collision Report form.

By providing a more accurate estimate of actual damages, law enforcement officials can greatly assist the NCDOT in its efforts to recuperate these costs from the appropriate parties.

Guardrail costs included in this guide DO NOT contain mobilization, traffic control and any other incidental costs associated with making the specified repairs. Please add $1,800 to any guardrail cost estimate once the estimate is complete.

General Notes

This reference guide provides general repair and/or replacement cost estimates for common roadside safety devices. However, if damage to a device listed in the guide exceeds or does not match any of the descriptions, please contact the appropriate NCDOT District Engineer using the Office Contact List on this brochure.

Disclaimer

This brochure is intended only as a reference guide to provide law enforcement and others with general pricing information for Roadside Safety Devices. Actual repair/replacement cost may vary based upon current pricing at the time of damage.

Median Barrier Systems

There are many different guardrail systems that can be utilized for median barrier protection. These include variations of single faced W-Beam guardrail,[1] double faced W-Beam guardrail,[2] and cable guardrail.[3] Shown below are representative pictures of each type of median barrier along with cost estimates for repairing/replacing each type.

Typical Median Barrier Examples

[1]Single Faced W-Beam

[2]Double Faced W-Beam

[3]Cable Guardrail

Median Barrier Repair Costs

Barrier Type	Estimated Cost	Comments
[1]Single Faced W-Beam	$1,000 / 25-ft section	Must be replaced in increments of 25-ft sections (see cost table)
[2]Double Faced W-Beam	$1,600 / 25-ft section	Must be replaced in increments of 25-ft sections (see cost table.
[3]Cable Guardrail	$400 / post	Count the total number of posts damaged and multiply by $400.
Concrete Jersey Barrier	$2,800 / hit	Cost figure to be used when repair work will be required.

Median Barrier Cost Multiplier Table

(for Single & Double Faced W-Beam & Shoulder Guardrail)

# Sections	Estimated Cost	# Sections	Estimated Cost
1	$1,000	6	$6,100
2	$2,000	7	$7,100
3	$3,100	8	$8,200
4	$4,100	9	$9,200
5	$5,100	10	$10,200

- This table may be used for either single faced w-beam or shoulder guardrail.
- For double faced guardrail, count the number of damaged sections and double the cost in the above table.

Shoulder Guardrail

For typical guardrail (normally located on the outside shoulders) the repair costs are as follows:

Device Type	Cost	Comments
Normal Shoulder Guardrail	$1,000 / 25-ft section	Must be replaced in increments of 25-ft sections (see cost table)

(See Median Barrier Cost Multiplier Table)

Guardrail End Treatments & Crash Attenuators

Guardrail end treatments are located at both the beginning and the end of a section of guardrail and come in many different configurations. Crash attenuators are located at the approaches to bridges or other structures. Replacement costs can vary, but for the purposes of this guide, **$4,000 per end treatment and $24,400 per end attenuator will be utilized**.

End Treatment Examples

Sign Replacement

Estimated replacement costs for roadway signs are given in the table below and include the cost for both the signs and the posts.

Description	Example	Estimated Cost
30"x30" regulatory signs w/ post	Stop sign on a secondary route	$300 each
48"x48" regulatory signs w/ posts	Speed limit signs, merging signs on an Interstate route	$400 each
Interstate guide signs w/ breakway posts	Typically these signs are 150-200 sq. ft. or larger	$19,900 each