

**SECTION 1145  
BARRICADES**

1

2

3 **1145-1 DESCRIPTION**

4 Furnish, install, maintain, relocate, ballast and remove barricades.

5 **1145-2 MATERIALS**

6 Refer to Division 10.

<b>Item</b>	<b>Section</b>
Barricades	1089-3

7 Provide barricades that meet NCHRP 350 for Category II traffic control devices and listed on  
8 the NCDOT APL.9 **1145-3 CONSTRUCTION METHODS**10 Install Type III barricades of sufficient length to close the entire roadway. Reposition the  
11 devices as necessary to completely close the roadway to traffic at the end of the workday.12 Use sandbags or other approved ballasting methods to prevent overturning of barricades by  
13 the wind. If needed, place sandbags or other acceptable ballasting on the feet of the frame.  
14 Do not ballast barricades with objects such as rocks or chunks of concrete.15 Do not anchor barricades to any pavement surfaces unless such anchoring method has passed  
16 the crash test requirement of NCHRP 350 for work zone category II devices.

17 Point the striped diagonals on the barricade rails in the direction of traffic flow.

18 **1145-4 MAINTENANCE**19 Periodically inspect barricades and ballast. Replace any ballast as needed, including sandbags  
20 that have loose sand outside the bag.21 **1145-5 MEASUREMENT AND PAYMENT**22 *Barricades (Type III)* will be measured and paid as the maximum number of linear feet of  
23 barricades acceptably placed and in use at any one time during the life of the project.  
24 Measurement will be made of the total length of each barricade along one rail.25 Relocation, replacement, repair, maintenance or disposal of barricade will be incidental to the  
26 work of this section.

27 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Barricades (Type III)	Linear Foot

28

**SECTION 1150  
FLAGGERS**

29

30 **1150-1 DESCRIPTION**31 Furnish, relocate and maintain the flaggers, hats, vests, STOP/SLOW paddles and any other  
32 incidentals necessary to control traffic.33 **1150-2 MATERIALS**

34 Refer to Division 10.

<b>Item</b>	<b>Section</b>
Flagger	1089-10

35 Refer to *Roadway Standard Drawings*.

**Section 1160**

1 **1150-3 CONSTRUCTION METHODS**

2 Provide the service of properly equipped and qualified flaggers (see *Roadway Standard*  
3 *Drawings* ) at locations and times for such period as necessary for the control and protection  
4 of vehicular and pedestrian traffic. All flaggers shall be qualified by an NCDOT approved  
5 training agency in the set-up and techniques of safely and competently performing a flagging  
6 operation. For a complete listing of approved training agencies, see the Work Zone Traffic  
7 Control’s webpage.

8 Prior to beginning work on the project, a Qualification Statement that all flaggers used on the  
9 project have been properly trained through an NCDOT approved training resource shall be  
10 provided to the Engineer.

11 Use flagging methods that comply with the guidelines in the MUTCD.

12 **1150-4 MEASUREMENT AND PAYMENT**

13 Flagging conducted for the convenience of the Contractor’s operations is not compensated.  
14 The Department will pay for flaggers, including those used at Y-lines that are used in  
15 conjunction with a lane closure. Flaggers used for operations not involving a lane closure will  
16 be incidental to that operation and no payment will be made. Flaggers used for hauling  
17 operations, where the only need for a lane closure is due to the hauling operation, will be  
18 incidental to that operation and no payment will be made.

19 Any flagger used for less than one hour will be incidental to that operation.

20 *Flagger (Day)* will be measured and paid as a half day or full day. To constitute a full day,  
21 the flagger must work 4 consecutive hours during a shift. Any shift less than 4 consecutive  
22 hours will be paid as a half day. On any calendar day that more than one flagger is used, the  
23 quantity to be paid on that calendar day will be the maximum number of flaggers used at one  
24 time in that calendar day.

25 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Flagger	Day

26 **SECTION 1160**  
27 **TEMPORARY CRASH CUSHIONS**

28 **1160-1 DESCRIPTION**

29 Furnish, install, maintain, reset and remove temporary crash cushions.

30 **1160-2 MATERIALS**

31 Refer to Division 10.

<b>Item</b>	<b>Section</b>
Temporary Crash Cushions	1089-8

32 Use temporary crash cushions that meet NCHRP 350 Test Level II or III for transportation  
33 management devices and are listed on the NCDOT APL. Provide redirective temporary crash  
34 cushions or non-redirective temporary crash cushions that capture errant vehicles without  
35 complete penetration through the device. Use a redirective temporary crash cushion when  
36 adequate space for the lateral displacement of the crash cushion is not available.

37 Historical performance of the temporary crash cushions will help determine the future use of  
38 the material by the Department, even if the temporary crash cushion has been approved. Poor  
39 performance of temporary crash cushions at any site, whether or not related to a specific  
40 contract, may be grounds for non-acceptance of a product on any project under contract.