

Section 1105

1 projects at all times including periods of construction inactivity in accordance with
2 Article 105-7.

1101-14 VEHICULAR ACCESS

4 Maintain continuous and safe vehicular access, including but not limited to, all residences,
5 businesses, schools, police and fire stations, hydrants, other emergency services, hospitals and
6 mailboxes. Conduct operations so as to limit the inconvenience to property owners.

1101-15 PEDESTRIAN ACCESS

8 Maintain pedestrian access at all times as shown in the TMP. When existing pedestrian
9 facilities are disrupted, closed or relocated, provide temporary facilities that are detectable and
10 include accessibility features consistent with the features present in the existing pedestrian
11 facility. The work zone supervisor is responsible for the implementation of the TMP, and
12 installation and maintenance of the pedestrian devices. The work zone shall be inspected
13 weekly or as directed by the Engineer. When pedestrian movement through or around a work
14 zone is necessary, provide a separate usable footpath. If the previous pedestrian facility was
15 accessible to pedestrians with disabilities, provide a footpath during temporary traffic control
16 that is comparable. Do not have any abrupt changes in grade or terrain that could cause a
17 tripping hazard or could be a barrier to wheelchair use. Provide channelizing devices that are
18 detectable to pedestrians who have visual disabilities. Provide temporary pedestrian facilities
19 that are made of concrete, asphalt or other suitable material as approved by the Engineer, at
20 all locations where the existing sidewalks have been removed for construction operations.

21 Do not sever or move pedestrian facilities for non-construction activities such as parking for
22 vehicles and equipment. Separate pedestrian movements from both work zone activity and
23 vehicular traffic.

SECTION 1105 TEMPORARY TRAFFIC CONTROL DEVICES

1105-1 DESCRIPTION

27 Furnish, install, maintain, relocate and remove temporary traffic control devices. All
28 temporary traffic control devices furnished by the Contractor shall remain the property of the
29 Contractor, unless otherwise specified in the contract.

1105-2 MATERIALS

31 Refer to Division 10.

32 Provide temporary traffic control devices that are listed on the NCDOT Approved Product
33 List.

1105-3 CONSTRUCTION METHODS

35 Ensure all temporary traffic control devices are inspected and approved before using them on
36 the project. Install temporary traffic control devices before construction operations begin and
37 during the proper phase of construction. Maintain and relocate temporary traffic control
38 devices during the time they are in use. Keep these devices in place as long as they are
39 needed and immediately remove thereafter. When operations are performed in stages, install
40 only those devices that apply to the present conditions.

1 1105-4 MAINTENANCE AND INSPECTION

2 Submit a proposed traffic control device maintenance schedule and checklist for approval
3 before construction. Perform continuous maintenance and daily scheduled inspections of
4 temporary traffic control devices. Review and maintain all traffic handling measures to
5 ensure that adequate provisions are in place for public and workers' safety.

6 Maintenance activities include cleaning, repair, or replacement, and prompt disposal of
7 temporary traffic control devices that are damaged, torn, crushed, discolored, displaced or
8 deteriorated beyond effectiveness.

9 Replace work zone traffic control devices deemed unacceptable according to the guidelines
10 set forth in the American Traffic Safety Service Association's (ATSSA) Quality Guidelines
11 for Work Zone Traffic Control Devices.

12 If the name and telephone number of the agency, Contractor or supplier is shown on the
13 non-retroreflective surface of all channelizing devices, use letters and numbers that are
14 non-reflective and not over 2 inches in height.

15 1105-5 FAILURE TO MAINTAIN TRAFFIC CONTROL

16 Failure to maintain acceptable traffic control measures or temporary traffic control devices
17 may result in formal notification of noncompliance. Implement remedial action immediately
18 for imminent danger situations as directed by the Engineer. Implement remedial action within
19 48 hours after notification of a safety issue that is not an imminent danger. See Articles 107-
20 21 and 108-7.

21 Failure to comply may result in having the work performed with available forces and
22 equipment. In cases of willful disregard for the safety of the public, the Engineer may
23 proceed immediately to implement the measures necessary to provide the appropriate level of
24 traffic control to ensure that the safety of all concerned parties is maintained.

25 1105-6 MEASUREMENT AND PAYMENT

26 Payment at the contract unit prices for the various items in the contract will be full
27 compensation for all work covered by this specification.

28 If the Contractor fails to maintain acceptable traffic control measures or temporary traffic
29 control devices and the Engineer implements measures necessary to provide the appropriate
30 level of traffic control, the actual cost of performing said work will be deducted from the
31 monies due the Contractor on the contract.

32 **SECTION 1110**
33 **WORK ZONE SIGNS**

34 1110-1 DESCRIPTION

35 Furnish, install, maintain, temporarily cover and uncover, relocate and remove stationary and
36 barricade mounted work zone signs in accordance with the contract.

37 Furnish, install, maintain and relocate portable work zone signs and portable work zone sign
38 stands in accordance with the plans and the *Standard Specifications*. When portable work
39 zone signs and portable work zone sign stands are not in use for periods longer than
40 30 minutes, collapse or remove sign stands and reinstall once work begins again.

41 1110-2 MATERIALS

42 Refer to Division 10.

Item	Section
Barricade Mounted Signs	1089-3
Work Zone Signs	1089-1
Work Zone Sign Supports	1089-2