

Section 1105

1 1101-14 VEHICULAR ACCESS

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

5 1101-15 PEDESTRIAN ACCESS

6 Maintain pedestrian access at all times as shown in the plans. When existing pedestrian
7 facilities are disrupted, closed or relocated, provide temporary facilities that are detectable and
8 include accessibility features consistent with the features present in the existing pedestrian
9 facility. Avoid pedestrian detours.

10 Determine the extent of pedestrian needs through engineering judgment or by the traffic
11 control supervisor responsible for the work zone. Inspect the work zone regularly so effective
12 pedestrian traffic is maintained.

13 When pedestrian movement through or around a work site is necessary, provide a separate
14 usable footpath. If the previous pedestrian facility was accessible to pedestrians with
15 disabilities, provide a footpath during temporary traffic control that is accessible. Do not have
16 any abrupt changes in grade or terrain that could cause a tripping hazard or could be a barrier
17 to wheelchair use. Provide barriers and channelizing devices that are detectable to pedestrians
18 who have visual disabilities. Provide temporary pedestrian facilities that are made of
19 concrete, asphalt or other suitable material as approved by the Engineer at all locations where
20 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 site activity and
23 vehicular traffic.

SECTION 1105

TEMPORARY TRAFFIC CONTROL DEVICES

24 25 26 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.

30 1105-2 MATERIALS

31 Refer to Division 10.

32 Use temporary traffic control devices that comply with 23 CFR 630 Subpart K. Provide
33 a Type 7 material certifications in accordance with Article 106-3 at least 72 hours before use
34 for all used temporary traffic control devices.

35 Provide temporary traffic control devices that are listed on the NCDOT Approved Product
36 List.

37 1105-3 CONSTRUCTION METHODS

38 Ensure all temporary traffic control devices are inspected and approved before using them on
39 the project. Install temporary traffic control devices before construction operations begin and
40 during the proper phase of construction. Maintain and relocate temporary traffic control
41 devices during the time they are in use. Keep these devices in place as long as they are
42 needed and immediately remove thereafter. When operations are performed in stages, install
43 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 of temporary traffic control
7 devices that are damaged, torn, crushed, discolored, displaced or deteriorated beyond
8 effectiveness.

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

12 **1105-5 FAILURE TO MAINTAIN TRAFFIC CONTROL**

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

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

21 **1105-6 MEASUREMENT AND PAYMENT**

22 Payment at the contract unit prices for the various items in the contract will be full
23 compensation for all work covered by this section unless a pay item is included for
24 *Temporary Traffic Control* paid as lump sum.

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

29 Payment will be made under:

Pay Item	Pay Unit
Temporary Traffic Control	Lump Sum

30 **SECTION 1110**
31 **WORK ZONE SIGNS**

32 **1110-1 DESCRIPTION**

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

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