

# TRAFFIC MAINTENANCE GENERAL NOTES

QUANTITIES			FHWA REGION	STATE	PROJECT
CALCULATED	J.H.	5/88	5	OHIO	
CHECKED	J.D.	5/88			

15  
38

LAKE COUNTY  
LAK - 90 - 23.42 (L & R)

## ITEM 614 - MAINTAINING TRAFFIC

Generally the Contractor shall conduct his operations so as to make the proposed deck repair with a minimum of hazard, delay and inconvenience to the motorists using the highway affected by the work done under this contract: furthermore, in addition to the Construction and Material Specifications, the following specific provisions are mandatory.

A. **NOTIFICATION:** Since functional traffic control is a major concern on this project, it is essential that the motoring public be adequately forewarned of future lane closures and traffic constrictions. Therefore, the Contractor shall submit a schedule to the Ohio Department of Transportation indicating the location and date of each lane closure at least 3 days prior to the implementation of such closures. The Contractor shall also notify pertinent police, fire and service departments 72 hours in advance of implementing said closures.

Before work begins, the Contractor shall submit to the Engineer the names and telephone numbers of a person or persons who can be contacted 24 hours a day by the Ohio Department of Transportation and all interested police agencies. This person or persons shall be responsible for placing or replacing necessary traffic control devices to maintain the traveled pavement safely.

B. **RESTRICTIONS:** All through traffic lanes shall be kept open at all times except as noted here and in the maintenance of traffic plans.

Through traffic lanes maintained according to the maintenance of traffic plans shall constitute the minimum lanes open.

C. **NIGHTTIME WORK** (defined between the hours 9:30 p.m. to 6:30 a.m.; Nighttime operations, except for the concrete overlay placement, will not be permitted.

D. **LIMITATION OF OPERATIONS FOR STRUCTURE WORK:** The Contractor's activities and work schedule shall be constrained by the following special limitations:

- (1) No lane closures shall be implemented or in place during the period beginning November 15th and ending March 15th.
- (2) No concrete overlay operations or concrete patching and sealing operations shall be performed during the period beginning October 15th and ending April 15th.

E. **TRAFFIC CONTROL SYSTEMS:**

1. **When Required:** Whenever any part of the traveled surface is being worked upon or is otherwise not suitable for safe and convenient use by vehicles, traffic control devices sufficient to protect such areas to assure the safe and convenient passage of vehicular traffic shall be installed and maintained.

Such traffic control devices and the manner in which they are used shall be consistent with these plans and the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways, hereinafter referred to as

the "Manual". The traffic control device system shall constitute the minimum provisions for traffic control for each particular situation. Whenever the Engineer deems it necessary especially where a grade, curve, or merge condition exists, he may direct that additional or alternative devices be used. Also the Contractor shall provide sufficient additional barricades, etc. to protect the fresh concrete during the curing period from any vehicles which drive around or through the traffic control.

2. **Conditions:** During all parts of this project, signing, barricades, temporary pavement markings, etc. shall be located as indicated on sheets numbered 16 thru 18. The number of lanes and the minimum lane widths maintained shall be as indicated on the traffic control sheets.

3. **Advance Warning Signs:** All advance warning signs for any condition which restricts traffic shall be erected before any such restriction is put into effect. All such signs shall be covered or removed from the view of traffic whenever they are not applicable.

4. **Flashing Arrow Requirement:** Whenever any part of the traveled surface is closed, the motorist shall be warned and directed by the Contractor through the use of one flashing arrow for each lane closed in addition to those provisions set forth in the "Manual" and Standard Construction Drawing TC-35-10.

5. **Failure to Comply:** If there is any failure to comply with provisions for traffic control set out in these plans and notes, or with the provisions of the "Manual", the highway in the vicinity of the work area shall not be considered in a condition for the safe and convenient use by the traveling public. Any failure to keep the highway in the vicinity of the work area in a condition for the safe and convenient use by the traveling public shall be considered a breach of this contract. Work shall be suspended until the Contractor complies with the provisions of the aforementioned items.

F. **APPROPRIATE PAVEMENT MARKINGS:** Appropriate pavement markings are essential to the traffic maintenance plan. All existing conflicting markings are to be removed in accordance with Section 621.134 of the 1989 Construction and Material Specifications manual, and temporary markings are to be placed at the time of lane closure.

G. **TRAFFIC CONTROL MATERIAL:**

1. **Signs:** Sign dimensions and specifications, including letter sizes shall be as provided in the "Manual", or in sign design drawings provided by the department of transportation. The signs shall be subject to approval of the Engineer prior to the start of the project.

2. **Sign Supports:** Sign supports shall be of sufficient size and height as to support the signs at the height indicated in the "Manual". Supports shall also be adequate in mass and stability to prevent the signs being blown over by wind or vehicular generated air turbulence.

3. **Lighting Devices:** Type "A" flashing barricade warning lights shall be mounted on noted signs at all times. Type "C" steady burning barricade warning lights shall be erected on drums used in twilight or nighttime closures.

4. **Flashing Arrows:** The electric flashing arrow shall be of Type "C", as shown on Standard Construction Drawing TC-35-10. Payment for this shall be included under Item 614 - Maintaining Traffic.

5. **Drums:** Drums shall be located as shown on the traffic control plans. All costs for installing, maintaining and subsequent removal of said drums shall be included in the lump sum bid price for Item 614 - Maintaining Traffic.

H. **PAYMENT:** Unless otherwise noted for separate payment, all materials, labor, equipment and tools necessary to accomplish the required traffic maintenance shall be included in the lump sum bid for Item 614 - Maintaining Traffic.

**ITEM SPECIAL - LAW ENFORCEMENT OFFICER WITH PATROL CAR:** The Contractor shall provide and pay all costs for the services of law enforcement officers with patrol cars for the exclusive purpose of controlling traffic, whenever a change in the traffic pattern takes place. The number of officers and cars required for this purpose shall be determined by the Contractor and approved by the Engineer. The officers shall move their patrol cars as necessary to insure their constant presence at the point(s) of slowdown, stoppage or back-up. Payment for the above will be included in the unit price bid for Item Special, Law Enforcement Officer With Patrol Car. It shall be the responsibility of the Contractor to make arrangements regarding scheduling and payment of law enforcement officer with patrol car.

Item Special - Law Enforcement Officer With Patrol Car - 50 hours

**ITEM 404 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC:** This item shall be used to repair holes in the bridge decks, roadway surface and berms, which are damaged during the closure. The Contractor shall use this item to maintain the highway according to Section 614.02. The Contractor shall perform the above work between the hours of 9:00 a.m. and 3:00 p.m. The following estimated quantity is included in the general summary for the maintenance of traffic as outlined above, to be used as directed by the Engineer on all parts of this project.

Item 404 - Bituminous Concrete for Maintaining Traffic 10 C.Y.

**ITEM SPECIAL - REPLACEMENT SIGNS:** Flat sheet signs furnished by the Contractor in accordance with the requirement of the plans, specifications and proposal which become damaged by traffic for reasons beyond the control of the Contractor shall be replaced in kind when ordered by the Engineer.

Payment for the new signs shall be made at the bid price per square foot for Item Special - Replacement Signs and shall include the cost of removing and disposing of the damaged signs, hardware and supports; and providing necessary replacement hardware supports, etc. Replacement signs shall be new but other materials may be used, subject to approval by the Engineer.

An estimated quantity of Item Special, Replacement Signs, has been carried to the general summary:

Item Special - Replacement Signs 100S.F.

**ITEM SPECIAL - REPLACEMENT DRUMS:** Drums furnished by the Contractor in accordance with the requirements of the plans, specification and proposal which become damaged by traffic for reasons beyond the control of the Contractor shall be replaced in kind when ordered by the Engineer and paid for under Item Special, Replacement Drums. Payment for each new drum shall include (1) the cost of removing and disposing of the damaged drum and (2) providing, maintaining and removing new drums in accordance with the contract requirements for the original drums. (Replacement lights shall not be paid for separately but considered incidental to this item or Item 614 - Maintaining Traffic.) An estimated quantity of Item Special, Replacement Drums, has been carried to the general summary.

Item Special - Replacement Drums 50 Each