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16 TRAFFIC DIVERSIONS

16.1 GENERAL

16.1.1 Scope

1 This Part specifies requirements associated with traffic diversions. Traffic diversions include for work in, or affecting the use of, roads, footpaths and right of ways and may comprise the construction and maintenance of paved and unpaved detour carriageways including all earthworks and the provision of adequate drainage, lighting, sign posting, street furniture and traffic control devices.

2 Related Sections and Parts are as follows:

This Section
Part 4..... Protection

16.1.2 Conformance

1 Signs, control and control devices associated with traffic diversions shall conform to the relevant provisions of "Traffic Control at Roadworks" produced by the Ministry of Public Works (latest edition/version) and shall be to the approval of the Traffic Police and the Public Works Authority.

16.1.3 Safety

1 The Contractor is responsible for all safety issues associated with the installation, operation, maintenance and removal of traffic diversions.

2 The Contractor shall provide lighting in accordance with the relevant provisions of Part 4 of this Section, Protection.

16.1.4 System Description

1 Where the diversion of any existing road, footpath or public right or way is temporarily necessitated by the Works, the Contractor shall provide and maintain an alternative which shall be operational before interference with the existing facility.

2 Temporary traffic control devices as well as any other traffic management requirement shall be erected and maintained by the Contractor for the duration of any activity in, or affecting the use of, roads, footpaths and right of ways.

16.1.5 Traffic Police Requirements

1 Before any work in, or affecting the use of, any road, footpath, and right of way is commenced, the Contractor's proposed method of working shall be agreed with, and confirmed in writing to, the Engineer and the Traffic Police.

2 Throughout the execution of the Works and the maintenance period, the Contractor shall co-operate with the Traffic Police concerning works in, or access to, roads, footpaths and right of ways. The Contractor shall inform the Engineer of any requirements of, or arrangements made with, the Traffic Police.

16.2 TEMPORARY TRAFFIC DIVERSIONS

16.2.1 General Requirements

- 1 The Contractor shall prepare detailed plans showing any proposed traffic diversions. The plans shall fully detail the diversion in all respects and shall include construction details if necessary. The plans shall show the position of ramps, traffic signs, cones, barriers, demarcation posts and tape, flashing lights and any other traffic control devices. The plans shall be submitted to the Engineer for review and shall be approved by the Traffic Police. Traffic diversion apparatus shall not be erected until the Traffic Police have reviewed and approved the traffic diversion plans.
- 2 Persons acting as flagmen shall be physically and mentally qualified, trained in their duties and courteous. Each flagman on duty shall be identified with appropriate and distinctive apparel approved by the Engineer and equipped with bilingual STOP/GO signs. Reflective apparel is required for flagging duties during darkness.
- 3 Where paved carriageways, unpaved carriageways or ramps are required, they shall be provided and maintained to a standard suitable in all respects for the class or classes of traffic or pedestrians requiring the use of them.
- 4 On completion, all traffic diversion works and apparatus shall be removed and land affected by them reinstated to its original condition.

16.2.2 Maintenance of Traffic flow

- 1 The Contractor shall allow for the construction of temporary diversions to permit all existing traffic movements for the duration of the Contract period.
- 2 All diversions shall be constructed in accordance with the latest edition/version of Qatar Traffic Manual "Traffic Control at Roadworks" booklet and the Qatar Highway Design Manual, and shall be approved prior to the implementation by both the Engineer and Traffic Police. It is the Contractor's responsibility to ensure that any traffic diversion required is properly signed, demarcated, illuminated, controlled and maintained at all times.
- 3 Upon the Engineer's request, the Contractor shall install and commission temporary traffic signals capable of handling the diverted traffic.
- 4 Sequential arrow boards operating on a 24-hour basis (engine or solar powered) must be used at all diversion points.
- 5 Within the limits of the project where pedestrian traffic is present, all excavated areas, regardless of depth, must be cordoned off by means of wired mesh panels of height no less than 1.8m connected together to form a continuous barrier wall.

END OF PART