

**TOWN OF AJAX**  
**DESIGN CRITERIA**

**SECTION F**  
**TRAFFIC AND SIGNS**

**F 1.00      TRAFFIC PLANS**

**F 1.01      TRAFFIC MANAGEMENT PLAN (TMP)**

The Traffic Management Plan (TMP) shall be submitted in conjunction with draft plan review. The TMP shall show the proposed location of sidewalks, emergency accesses, cycling facilities, transit routes, and traffic calming measures.

**F 1.02      TRAFFIC MANAGEMENT IMPLEMENTATION PLAN (TMIP)**

The Traffic Management Implementation Plan (TMIP) shall be submitted with the second engineering submission. The TMIP shall be considered part of the engineering drawings. For smaller developments, the General Plan of Services may be used for this purpose provided the sign location and types can be clearly shown without cluttering the drawing.

In all cases, required signs and pavement markings shall conform to the Ontario Traffic Manuals (OTM), Manual of Uniform Traffic Control Devices for Canada (MUTCD), Transportation Association of Canada (TAC) Manual, and the Ontario Highway Traffic Act (HTA). The Manager of Engineering shall make all final decisions regarding signage issues.

For projects developed under Site Plan Control, all signs and/or devices are to be shown on the Site Plan(s).

The TMIP shall show the following:

- sidewalk locations
- driveway locations
- emergency accesses
- street lights and utility poles
- cycling facilities
- transit stops
- traffic calming measures
- pavement markings
- Canada Post mail boxes
- street name, regulatory, and warning signs

A draft traffic by-law must be prepared and submitted with all TMIP drawings.

**F 2.00      STREET NAME SIGNS**

**F 2.01      LOCATION**

Street name signs shall be placed at each intersection and shall identify each street at the intersection. The location of the street name sign shall be as shown in the Town of Ajax Standard Drawings (see AS-331).

In addition to the above, the Town may require the installation of route guidance advance warning street name signs at designated locations.

## **F 2.02 TYPE**

Unless otherwise approved, both standard intersection and advance warning street name signs shall be as per Standard AS-331 and AS-332. Street name signs shall be double sided and be reflective with high intensity type III material. All letters shall be white (3M-3290), upper and lower case, Helvetica 'medium' on a green (3M-3277) reflective background.

All street name signs are to be made of utility grade half hard aluminum, alodine treated.

All street name signs shall be mounted on a 75 mm diameter galvanized steel post, 10 gauge minimum, 3.65 m in length as per Town of Ajax Standard AS-331.

## **F 2.03 TEMPORARY STREET NAME SIGNS**

To promote guidance of emergency vehicles within newly developed areas, while limiting potential losses due to ongoing construction activities, the Developer may chose to install temporary street name signage in lieu of the formal signs. Regardless of whether the developer installs temporary or permanent signs, the signs shall be installed immediately following the placement of base asphalt. The developer shall be responsible for maintenance of the signs until formal assumption of the subdivision.

Temporary street name signs shall consist of a double sided legibly painted signs on a wood backing, fastened securely on a post 2.1 m above ground level (to the bottom of sign), and visible from both directions. Such signs shall be erected on all street intersections in the development as soon as base course asphalt road construction is complete. The street name signs shall be maintained until such time as all grading of roads and boulevards has been completed to the satisfaction of the Town and then replaced with permanent signage.

## **F 2.04 ABBREVIATIONS**

The following abbreviations are acceptable for street signing: Ave. (Avenue), Blvd. (Boulevard), Cr. (Crescent), Ct. (Court), Dr. (Drive), Pl. (Place), Rd. (Road), St. (Street).

## **F 2.05 DIMENSIONS AND LETTERING**

Urban Street Signs shall be 160 mm in height for Local and Collector roads and 210 mm in height for Arterial roads. Lettering shall be 100 mm high for Local and Collector roads and 150 mm high for Arterial roads. The length shall be determined by the street name and the appropriate abbreviation. Refer to Town of Ajax Standard Drawing AS-332.

## **F 3.00 TRAFFIC CONTROL/REGULATORY SIGNS**

### **F 3.01 LOCATION**

The establishment of traffic control signs and devices within the development shall be based on the size characteristics, proposed design, prevailing legislative requirements and municipal or other road authority's comments. The placement of any and/or all traffic control devices and signs shall be completed to the satisfaction of the Town or the appropriate road authority.

All Regulatory and Warning signs shall conform to OTM, MUTCD, and/or HTA requirements for location, type, size, sign materials, reflectivity, and installation.

Where the subdivision incorporates a school area, all related signage shall utilize the fluorescent yellow/green (FYG) sheeting (i.e. school zone, school crossing ahead, and school crossing).

All signs shall be mounted approximately at right angles to the direction of and facing the traffic that they are intended to serve. On curved alignments, the angle of placement shall be determined by the course of the approaching traffic rather than by the roadway edge at the point where the sign is located. Signs for different purposes shall not be placed closer together than 30 m if it can be avoided.

**F 3.02 TYPE**

All traffic control signs shall conform to OTM, MUTCD, and/or HTA requirements.

All traffic control signs shall be mounted on a 75 mm diameter galvanized steel post, 10 gauge minimum, 3.65 m in length.

All regulatory and warning signs are to be made of utility grade 5052-H32 half hard aluminum, alodine treated:

For signs less than 60 cm	6.4 mm thick
For signs 60 cm to 120 cm	8.1 mm thick
For signs 120 cm and greater	12.5 mm thick

All signs shall have a minimum reflectivity conforming to the latest requirements of the American Society for Testing and Materials (ASTM) Specification D4956-90 for Type III materials.

**F 3.03 SIGNAGE ON REGIONAL ROADS**

For signage on regional roads refer to the Region of Durham's specifications.