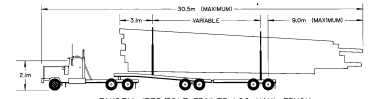


TYPE 5A
LEFT TURN FROM MAJOR ROAD USING MEDIAN PROTECTION (RURAL)

DETAIL
PAINTED MEDIAN

Note 1: The sight distance requirement for this intersection is based on 18 seconds (6.17 seconds for turning plus 2 seconds for perception/reaction time). This compares to 58m for a 50km/h design speed.
The sight distance for crossing in one manoeuvre (without stopping in the median) with a 5.8m centreline to centreline spacing is based on 24 seconds (2*2 seconds). This compares to 78.5m for a design speed of 50km/h.
Alternatively, where the centreline spacing is at least 45m, the crossing manoeuvre can be made in two steps. This reduces the sight distance requirement for crossing to 500m (based on 18 seconds of 100km/h design speed).
Adjustments should be made where required for different design speeds, roadway widths, view angles or steep gradients. The sight distance outside should be measured based on an eye height of 2.0m and an object height of 1.5m.




TANDEM-KEEP/POLE-TRAILER LOG HAUL TRUCK

The vehicle used for design of this intersection is based on a combination of the worst outsway and offsetting that would occur with any of the typical Log Haul Truck-Trailer configurations used in Alberta.

NOTE: ISLAND CAN BE DEPRESSED OR AT-RAMP/PARTIAL, DEPENDING ON DRAINAGE REQUIREMENTS AND LOCAL PREFERENCES. NOTE REFERS TO LEFT TURN ISLAND ONLY.

NOTE: 3.0m SPACING FROM CENTRELINE TO CENTRELINE IS GIVEN TO BE CONSISTENT WITH FOUR TURNING REQUIREMENTS. WHERE LOGGED LOG HAUL TRUCKS WILL BE HAULED DIRECTLY ACROSS THE CROSSING (INSTEAD OF FROM MEDIAN ROAD TO MEDIAN ROAD), THE SPACING SHOULD BE INCREASED TO 45M OR MORE (OR ROUNDED UP) TO ALLOW A CROSSING LOG HAUL TRUCK TO TAKE AN LANE IN THE MEDIAN.

NO.	REVISIONS	BY	DATE

Approved:  **Alberta**
TRANSPORTATION AND UTILITIES
Engineering Division

DATE: JAN/29/2003

LOG HAUL INTERSECTION
TYPE 5A
LEFT TURN FROM MAJOR ROAD
(RURAL, DEPRESSED MEDIAN)

DESIGNED BY: [] CHECKED BY: [] DRAWN BY: [] DATE: []