

Estimating hauling time, drive between location time, and drive between container times

from:
Tchobanoglous, etal, 1993
pp. 213-214

For hauled container systems the pickup and at-site times are relatively constant, but the haul time depends on both haul speed and distance. From an analysis of a considerable amount of haul data for various types of collection vehicles (see Fig. 8-16), it has been found [5, 7] that the haul time h may be approximated by the following expression:

$$h = a + bx \tag{8-2}$$

- where h = total haul time, h/trip
 a = empirical haul-time constant, h/trip
 b = empirical haul-time constant, h/mi
 x = average round-trip haul distance, mi/trip

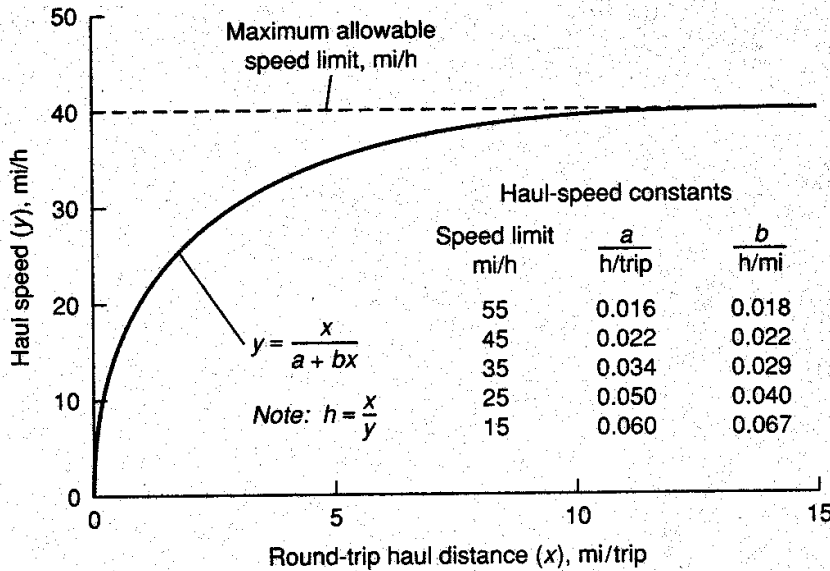


FIGURE 8-16
Correlation between average haul speed and round-trip haul distance for waste collection vehicles [6].