

DESIGN VEHICLE TYPE	SYMBOL	DIMENSIONS (meters)										
		Overall			Overhang		Wheelbases					
		Height	Width	Lgth.	Front	Rear	WB1	WB2	S	T	WB3	WB4
Passenger Car	P	1.3	2.1	5.8	0.9	1.5	3.4	--	--	--	--	--
Single Unit Truck	SU	3.4-4.1	2.4	9.2	1.2	1.8	6.1	--	--	--	--	--
Intercity Bus	BUS-12	3.7	2.6	12.2	1.8	1.9 <sup>a</sup>	7.3	1.1	--	--	--	--
Motor Coach	BUS-14	3.7	2.6	13.7	1.8	2.6 <sup>a</sup>	8.1	1.2	--	--	--	--
City Transit Bus	CITY-BUS	3.2	2.6	12.2	2.1	2.4	7.6	--	--	--	--	--
Conventional School Bus (65 Pass.)	S-BUS 11	3.2	2.4	10.9	0.8	3.7	6.5	--	--	--	--	--
Large School Bus (84 Pass.)	S-BUS 12	3.2	2.4	12.2	2.1	4.0	6.1	--	--	--	--	--
Articulated Bus	A-BUS	3.4	2.6	18.3	2.6	3.1	6.7	5.9	1.9 <sup>b</sup>	4.0 <sup>b</sup>	--	--
<b>Trucks:</b>												
Intermediate Semitrailer	WB-12	4.1	2.4	13.9	0.9	0.8 <sup>a</sup>	3.8	8.4	--	--	--	--
Intermediate Semitrailer	WB-15	4.1	2.6	16.8	0.9	0.6 <sup>a</sup>	4.5	10.8	--	--	--	--
Interstate Semitrailer	WB-19*	4.1	2.6	20.9	1.2	0.8 <sup>a</sup>	6.6	12.3	--	--	--	--
Interstate Semitrailer	WB-20**	4.1	2.6	22.4	1.2	1.4-0.8 <sup>a</sup>	6.6	13.2-13.8	--	--	--	--
"Double-Bottom"-Semitrailer	WB-20D	4.1	2.6	22.4	0.7	0.9	3.4	7.0	0.9 <sup>c</sup>	2.1 <sup>c</sup>	7.0	--
Triple Semitrailer	WB-30T	4.1	2.6	32.0	0.7	0.9	3.4	6.9	0.9 <sup>c</sup>	2.1 <sup>c</sup>	7.0	7.0
Turnpike Double Semitrailer	WB-33D*	4.1	2.6	34.8	0.7	0.8 <sup>a</sup>	4.4	12.2	0.9 <sup>d</sup>	3.1 <sup>d</sup>	13.6	--
<b>Recreational Vehicles:</b>												
Motor Home	MH	3.7	2.4	9.2	1.2	1.8	6.1	--	--	--	--	--
Car and Camper Trailer	P/T	3.1	2.4	14.8	0.9	3.1	3.4	--	1.5	5.8	--	--
Car and Boat Trailer	P/B	--	2.4	12.8	0.9	2.4	3.4	--	1.5	4.6	--	--
Motor Home and Boat Trailer	MH/B	3.7	2.4	16.2	1.2	2.4	6.1	--	1.8	4.6	--	--
Farm Tractor <sup>e</sup>	TR	3.1	2.4-3.1	4.9 <sup>f</sup>	--	--	3.1	2.7	0.9	2.0	--	--

\* The Indiana Design Vehicle (IDV) is equivalent to the WB-20.

WB1, WB2, WB3, and WB4 are effective vehicle wheelbases.

S = Distance from the rear effective axle to the hitch point.

T = Distance from the hitch point to the lead effective axle of the following unit.

a = This is the overhang from the back axle of the tandem axle assembly.

b = Combined dimension is 5.91 m and articulating section is 1.22 m wide.

c = Combined dimension is typically 3.05 m.

d = Combined dimension is typically 3.81 m.

e = Dimensions are for a 150-200 hp tractor excluding any wagon length.

f = To obtain the total length of tractor and one wagon, add 5.64 m to tractor length. Wagon length is measured from front of drawbar to rear of wagon, and drawbar is 1.98 m long.

## DESIGN VEHICLE DIMENSIONS

Figure 40-4A