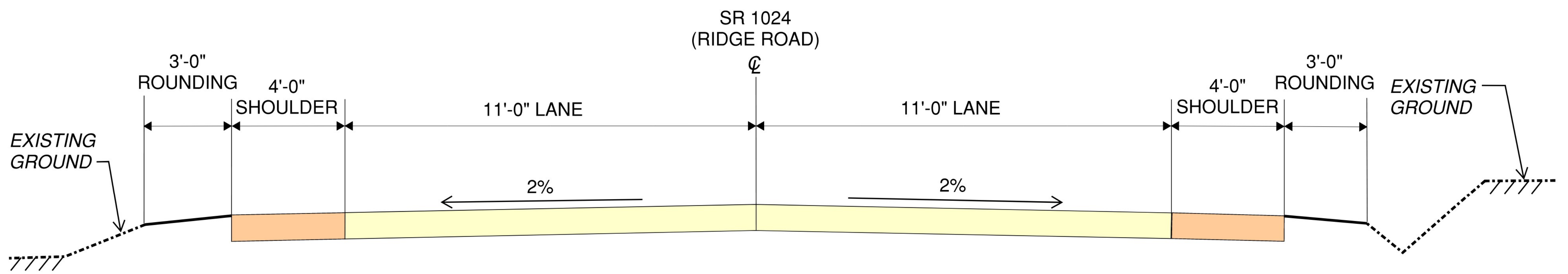


SR 1024-88H - PROPOSED ROADWAY DESIGN

ROADWAY CLASSIFICATION AND DESIGN ELEMENTS

Ridge Road is classified as a collector. A collector is a roadway that connects local roads to arterials, which are major corridors that connect centers of activity. While the project will improve Ridge Road, it will not change the overall character or classification of the roadway.

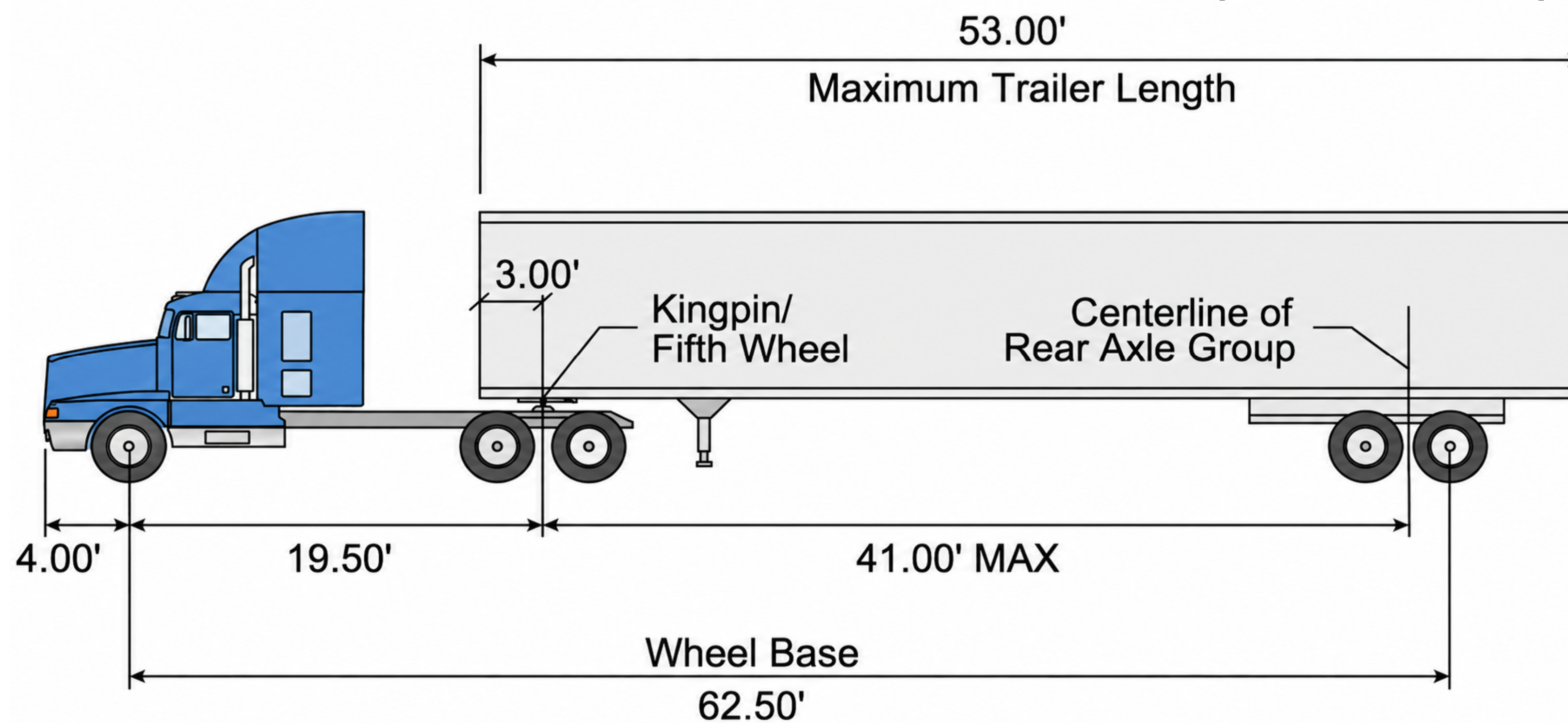
	Existing	Proposed
Roadway Classification	Collector	Collector
Speed Limit	35 & 40 mph	35 & 40 mph
Number of Lanes	2	2
Lane Width	11 ft	11 ft
Shoulder Width	1 to 3 ft	4 ft



DESIGN VEHICLE

A design vehicle is the largest vehicle that uses a roadway with considerable frequency and is used to determine specific roadway design features. The design vehicle for Ridge Road is an interstate semitrailer (WB-62). The project is being designed so that the WB-62 truck can travel along Ridge Road and make turns at other state-owned roadways.

Exhibit 2.3.5 Dimensions of a WB-62 with a 53 Foot Trailer (WB-62 with 53T)



LANE AND SHOULDER WIDTHS

Lane and shoulder widths for Ridge Road are being designed in accordance with PennDOT's Design Manual 2 for projects involving roadway reconstruction but not involving a change in the road type. Based on the table below from the design manual, Ridge Road should have minimum lane widths of 11 feet and shoulder widths of 4 feet.

Daily Total Traffic in Opening Year	Daily Number of Heavy Vehicles	Minimum Lane Width (ft)	Minimum Shoulder Width (ft)
1001-2000	200 or less	10	2
2001-4000	400 or less	11	3
4001-10000	1000 or less	11	4
10001-20000	2000 or less	11	5