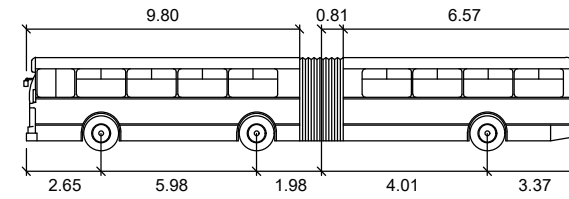
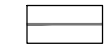
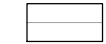


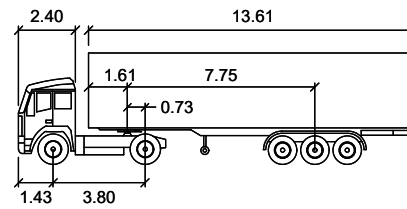
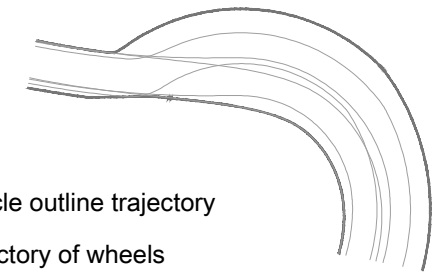
**Design vehicle:**



**Articulated bus**


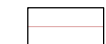
- Total length : 17.99 m
- Total width : 2.50 m
- Total height of bodywork : 2.95 m
- Min. clear bodywork height : 0.337 m
- Axle track : 2.50 m
- Time of full lock : 6.0 s
- Crossing angle : 41.3°
- Joint angle : 70°

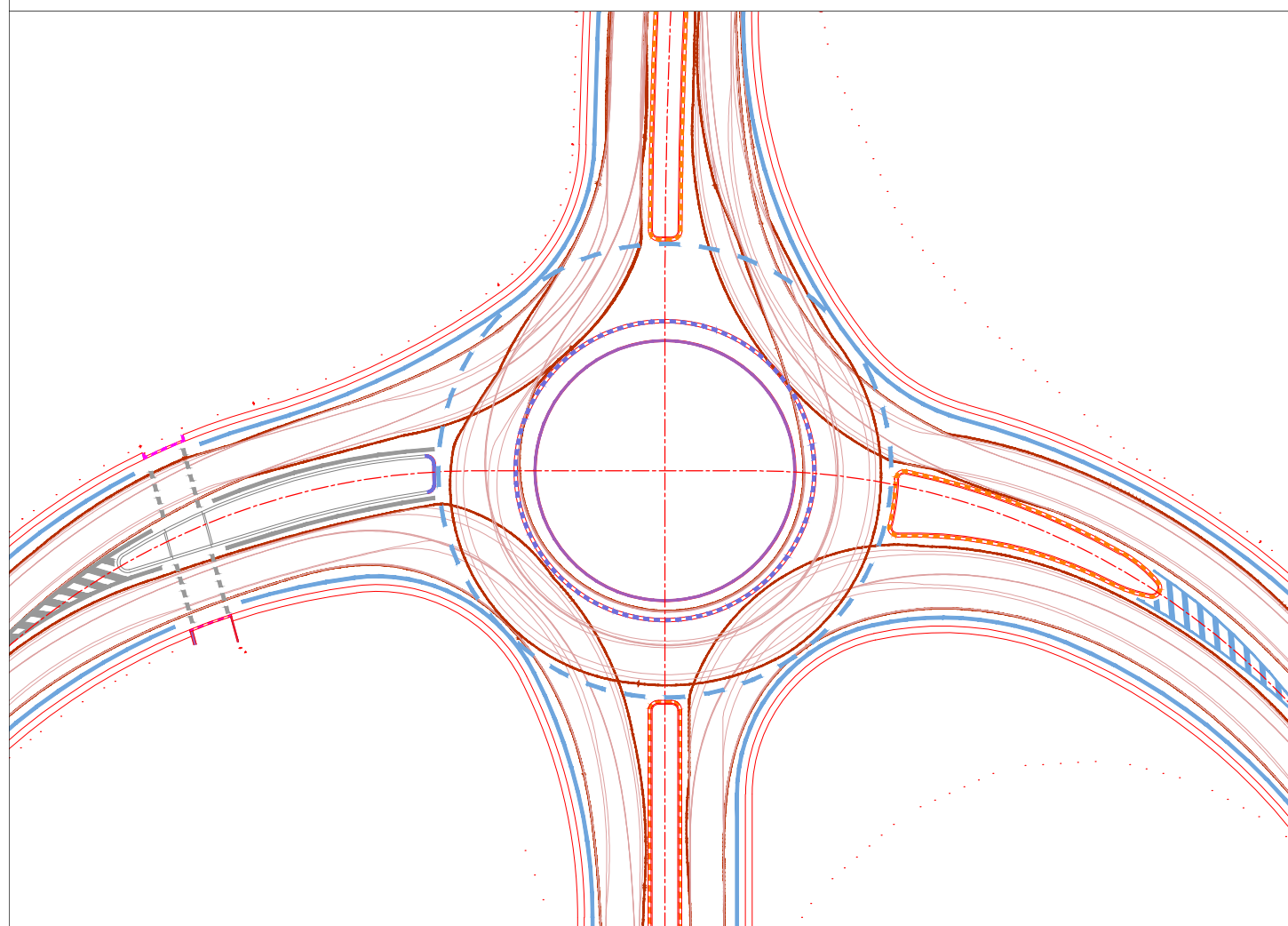
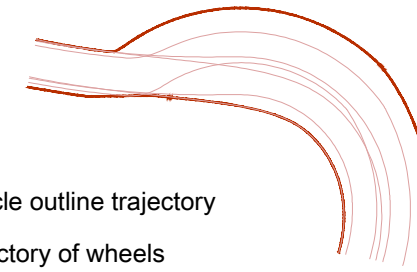
 Vehicle outline trajectory  
 Trajectory of wheels




**Articulated lorry**

- Total width of trailer : 2.50 m
- Total width of truck : 2.50 m
- Axle track : 2.50 m
- Time of full lock : 4.0 s
- Crossing angle : 39.1°
- Joint angle : 70°

 Vehicle outline trajectory  
 Trajectory of wheels



With given design vehicles critical trajectories were tested

University: Czech Technical University in Prague			
Faculty: Faculty of Transportation Sciences			
Worked out by: Bc. Jakub Matějček		 <b>CTU</b> CZECH TECHNICAL UNIVERSITY IN PRAGUE	
Supervisors: doc. Ing. Jiří Čarský, Ph.D. Ing. Josef Filip, Ph.D.			
Date: 24. 05. 2019	Academic year: 2018/2019	Project: Master thesis	Amount of A4 papers: 2
Title of the master thesis: Modification of Crossroads on Roads III/0063 and III/2384 at Velká Dobrá			Scale: 1:500
Appendix: Swept paths			Appendix number: 2.6
			<small>COORDINATE SYSTEM S-JTSK VERTICAL CRS BALTIC HEIGHT</small> 