

Poznan University of Technology
Institute of Civil Engineering
Division of Road Engineering

Name and surname:
Index number:
Sustainable Building Engineering first cycle
semester 6 , academic year 2023/24

Thematic card of the course
Fundamentals of Road Construction
Design of section of the public road

The data for the design:

The map with contour line in the scale of 1: 5000.

Road class: "Z" (collective)

Design speed: 50 km/h

Number of roadway: 1

Number of traffic lanes: 2

Traffic category: KR2

The load-bearing capacity group of the subgrade: G1 (non-shed soil)

Coordinates of the start "A" and end "B" points of the horizontal alignment on MAP no:

	X [m]	Y [m]
A		
B		

The project should include:

Description part:

1. Technical description.
2. Geometric elements of the horizontal alignment.
3. Mileage of the horizontal alignment.
4. Terrain vertical following-coordinates.
5. Geometric elements of the vertical alignment.
6. Example road surface construction.

Drawing part:

1. Indicative plan on a scale of 1: 5000,
2. Longitudinal profile in scale 1: 5000/500.
3. Normal sections on a scale of 1: 50.

Issued date: 2024/02/28 The project completion date: 2024/06/12

The project was issued by: Marcin Bilski, BEng, PhD

