

Development of intersection with secondary road / Aleea Carpati - Abutment 1 – Pile 1 – Pile 2 – Pile 3 – Pile 4 – Abutment 2 - Development of intersection with Muresului Street

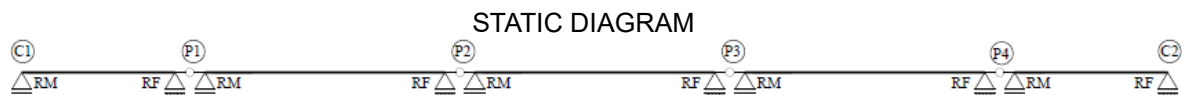
Reference elevation 310.6
Reference elevation 310.6
Reference elevation 311.1
GRADIENTS
AXLE DIFFERENCES (cm)
PROJECT ELEVATIONS
TERRAIN ELEVATIONS
PARTIAL DISTANCES
CUMULATIVE DISTANCES
ALIGNMENTS AND CURVES
KILOMETRES / HECTOMETRES

Longitudinal profile
01. RAMPS – BRIDGE AXIS

Calculation convoy:	LM1 – according to SR EN1991-2 5Kn/m ² on sidewalks according to SR EN 1991-2
Designed service life:	100 years
Importance category:	„B” – according to SR 11100/1-99
Verification requirements:	A4, B2, D.
Seismic zone:	ag= 0.15, Tc= 0.7s
Site area:	Z3 – according to SR EN 1998-1:2004/NA-2008

Concrete types and exposure classes		
Elements	Concrete type	Exposure classes
Abutment foundation	C30/37	XC4+XD1+XF1
Abutment elevation	C30/37	XC4+XD1+XF1
Abutment support benches	C35/45	XC4+XD3+XF1
Pitching, access stairs, caissons, connection slabs and support beams	C35/45	XC4+XD3+XF1
Concrete overlay slab	C35/45	XC4+XD3+XF2
Precast beams	C35/45	XC4+XD3+XF2
Sidewalk fillings	C25/30	XC2

Classification class: EUROCODE
Importance category: „B”
Quality requirement: A4, B2, D
Seismic zone: 8₁, according to SR 11100/1-93
ag=0.15g, Tc=0.7s, according to P100-1/2013



LEGEND:
-RM – mobile support device
-RF – fixed support device
-joint at the level of the concrete overlay slab

			A4, B2, D2		
		Signature	Requirement	Report / Expert Opinion no. / Date	
Logo of the company Iany Procons S.C. IANY PROCONS S.R.L. Focsani C.U.I. (fiscal code) 35747042, 6D Aurora Street, Telephone: (+4) 0372.947.301				Beneficiary: Targu Mures Municipality Location: Targu Mures Municipality	Project: No. 171/2023
SPECIFICATION	NAME	SIGNATURE	Scale:	PROJECT TITLE	Phase:

DIRECTOR	Eng. Ion Iulian	<i>Illegible signatures</i>	1:200	Connecting bridge over the Mureş River Aleea Carpati area	P.Th. + D.T.A.C.
PROJECT MANAGER	Eng. Ion Iulian				
DESIGNED BY	Eng. Bichir Radu - George		<u>Date:</u> 2024	<u>SHEET TITLE:</u> LONGITUDINAL PROFILE	Sheet: P118
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