



LEGENDA

- koluvij (flušni ali karbonatni) (kvartar)
- jamski sedimenti (v vrtni / potencialno) (kvartar)
- Flis (eocen)
- Prehodne plasti laporovec, lapornat apnenec, konglomerat (eocen)
- ANA/E
- TF2/Pc
- TF1/Pc
- LIB/K-Pc
- LF/K⁴
- SF/K⁴
- RF/K⁴
- erozijsko diskordantna litoška meja
- normalna litoška meja
- laminili
- zdrobljena cona
- tektonsko prelta cona
- prelom

LEGENDA PREDOR

- Niveleta predora
- Konture predora
- razpoke (razpoklinska cona)
- reverzni prelom
- narivni prelom
- vrtnine izvrtnane za fazo PGD (2010)
- vrtnine izvrtnane v okviru tega projekta (2017/18)
- Diskontinuitete:
- Tip diskontinuitet
- ss plast
- sl drsna ploskev
- j razpoka
- f prelom
- Hrapavost diskontinuitet
- r hrapava
- sm gladka
- sl tektonsko zgajajena

LEGENDA NIVDOJEV PODZEMNE VODE

- Interpolacija na višjega nivoja podzemne vode
- Interpolacija prevladujočega nivoja podzemne vode

	Strongly karstified rock mass (cave system close to Brezno na Škrklovki) with caverns and karstic caves of various dimensions; mainly compact rock mass with closed and open joints, possible disintegrated zones; thickness of jointed zones locally till 5 m		Strongly karstified rock mass with karstic caves of various dimensions; rock mass with closed and open joint disintegrated zones; thickness of jointed zones locally till 5 m
20 - 600 (< 6 - 20)	Unfavourable 2 subvertical joint systems (65-90°), dipping almost perpendicular to tunnel axis against drive (left and right tunnel side). Possible wedge failure of smaller volumes from the tunnel crown.	60-600	2 steep to subvertical joint systems (75-90°) oriented almost perpendicular to tunnel axis, dipping 2° to 60° against drive. Possible larger wedge failures from the upper left side of the tunnel (volume to 2m³)
increased jointed rock mass along the fault	CAVE SYSTEM CLOSE TO BREZNO NA ŠKRKLOVKI	excavation based jointed rock mass along fault	STRONG karstification
10 caves / km, diameter of cave passages to 10 m	STRONG karstification	10 caves / km, diameter of cave passages to 10 m	STRONG karstification
64, locally 9	64	64, locally 9	64
20 - 80	50 - 100	0 - 60	30 - 70
42-65 (fair to good rock mass) sub. 64-95 (good/very good rock mass)	Prevailing 64 - 95 (good to very good rock mass), subordinate 42 - 65 (fair to good rock mass)	31-45 (poor to very poor rock mass) subordinate 42 - 65 (fair/good rock mass)	Prevailing 64 - 95 (good to very good rock mass), subordinate 42 - 65 (fair to good rock mass)
45-60, subordinate 60-90	Prevailing 60 - 90, subordinate 45 - 60	30 - 45, subordinate 45 - 60	Prevailing 60 - 90, subordinate 45 - 60, locally ;
4b 55%, 4a 25%	4a 65%, 4b 25%	4b 85%	4a 65%, 4b 25%
5a 15%, 0a 5%	5a 5%, 0a 5%	5a 10%, 0a 5%	5a 5%, 0a 5%
BT1 60%, BT3 25%	BT1 45%, BT2 35%	BT3 70%, BT2 20%	BT1 70%, BT2 25%
BT4 10%, BT8 5%	BT3 15%, BT8 5%	BT8 10%	BT8 5%
6	7	8	9
-13	-18,8	39	
3,0x10 ⁻³	5,3x10 ⁻⁷	3,0x10 ⁻³	5,3x10 ⁻⁷
do 2.5	srednja	do 2.5	srednja
karstic channel	drained / undrained - 50 / 50	karstic channel	drained / undrained - 50 / 50

PROBABLE PROFILE TYPE	D	N	D	N	D	N	D	N
SUPPORT (most probable top heading support type)	BT1: GC-D-K-3/139 BT2: GC-D-K-4/354	BT2: GC-D-K-4/237 BT3: GC-D-K-4/352	BT1: GC-D-K-3/139 BT2: GC-D-K-4/354	BT1: GC-D-K-3/139 BT2: GC-D-K-4/237	BT1: GC-D-K-3/139 BT2: GC-D-K-4/354	BT2: GC-D-K-4/341 BT3: GC-D-K-4/352	BT1: GC-D-K-3/139 BT2: GC-D-K-4/354	BT1: GC-D-K-3/139 BT2: GC-D-K-4/237
MEASURING PROFILE MP-I-1		107.83(MS EVERY 15m)		789.27(MS EVERY 30m)		167.54(MS EVERY 20m)		406.64(MS EVERY 30m)
MEASURING PROFILE MP-II-1								
MEASURING PROFILE MP-II-5								
MEASURING PROFILE MP-II-6								
MEASURING PROFILE MP-II-7								
MEASURING PROFILE MP-II-9								
MEASURING PROFILE MP-II-3								
SPECIAL CONDITIONS								
PRE-DRILLING (litology)								
PRE-DRILLING - BOREHOLE (1 borehole in top heading face)			1195.97					824.26 (WITH PREVENTION)
REFLEKSUA V VODILNI VRTINI (low karstification degree)			1195.97					709.26
PRE-DRILLING - SOUNDING (6 boreholes in top heading face + 2 in invert)			454.49 (50%)		334.78			368.90 (50%)
PRE-DRILLING - GEOPHYSIC (cross hole in refraction)		107.64	454.49 (50%)			205.28		368.90 (50%)
INJECTING - PREGROUNDING (grouting, smaller permeability)								
INJECTING - POSTGROUNDING (smaller permeability)								

Projektantska skupina

2.TIR

Sofinancirano s pomočjo Instrumenta za povezovanje Evrope Evropske unije

Elea iC

IRGO CONSULTING d.o.o.

Sklop / Lot 1

Sklop / Lot 2

Sklop / Lot 1

T1

T2

Projekt / Project

Drugi tir železniške proge Divača - Koper, Sklop 1

Second Track of Divača - Koper Railway Line, Lot 1

Objekt / Structure

Načrt tehnične spremljave gradnje predora T2

Technical Monitoring Plan for the Construction of Tunnel T2

Del objekta / Structure Part

Naročnik / Client		2TDK	
2TDK, Družba za razvoj projekta d.o.o.			
Železna cesta 18, SI-1000 Ljubljana			
Vodja projekta / Project Manager	Id. št. / ID No.		
Angelo Žigon, univ. dipl. inž. grad.	IZS G-0680	Elea iC	
Vodilni projektant / Project Leader		Elea iC	
Elea IC d.o.o., Dunajska cesta 21, SI-1000 Ljubljana			
Projektant načrta / Designer		Elea iC	
Elea IC d.o.o., Dunajska cesta 21, SI-1000 Ljubljana			
Imenik vodje projekta / Deputy Project Manager	Id. št. / ID No.	Št. projekta / Project No.	Vrsta projekta / Stage
Marko Žibert, univ. dipl. inž. grad.	IZS G-2411	190175/1	PZI
Pooblaščen inženir / Chartered Engineer	Id. št. / ID No.	Zap. št. načrta / Cons. Plan No.	Št. načrta / Plan No.
Peter Jemec, dipl.inž.grad.	IZS G-3930	E/08	190175/1-E/08
		Vrsta načrta / Plan Type	
		Elaborat / Report	
Izdavalec risbe / Draftsperson		Id št. / ID No.	Merilo / Scale
Tina Živec, u.d.i.geol., Maksi Podobnik, abs. grad.			1:2500
Datum / Date		06-2020	

Zbirni načrt izkopnih del SC od 12+400 do 13+800

Summary Plan of Excavation Works SC from 12+400 to 13+800

Risba / Drawing	Št. risbe / Drawing No.	Stanje risbe / Drawing Status	Različica / Revision
2TDK_LEA_PZI_XX_S1-EL-08_XX_XX_LP_XX_EN	0067	P	003

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