

THE CONCEPT OF PUBLIC TRANSPORT DEVELOPMENT IN THE BRATISLAVA REGION

Passportization and Action Plan of Modernization of Public Transport Stops



The goal of the Concept

- **Passportization** of the basic public transport infrastructure on the territory of BSK
- **Prioritization** of individual infrastructure modernization projects for suburban bus and rail transport
- Creating preconditions for **system modernization** and **maintenance** of basic transport infrastructure



Illustration
photo: Fribourg-
Poya, Switzerland

Passportization

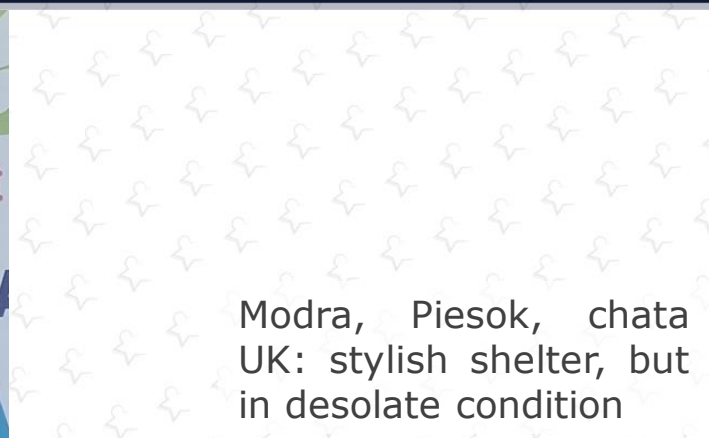
- Documentation of 108 attributes for each stop / station / boarding edge (platform)
- Photo documentation
 - The view of the stop/boarding edge
 - The view of the stop sign
 - The view of the information panel with timetables or other information
 - The photo shot of each boarding edge/platform (360-degree image)
 - The view of bicycle stands or P+R
 - The interface of the stop with the surroundings (entrances, exits)
 - Views of other equipment, etc.



Passportization – Suburban Bus Stops: Bad examples



Bratislava,,Logistické centrum: no comment



Modra, Piesok, chata UK: stylish shelter, but in desolate condition



Passportization – Suburban Bus Stops: Bad examples (2)



Plavecký Mikuláš,,ŠM – missing stop sign, shelter in desolate condition, dangerous access – missing pedestrian crossing

Cífer,,rázc. k žel.st – according stop sign bus stops at the crossroads at the pedestrian crossing



Passportization – Suburban Bus Stops: Summary

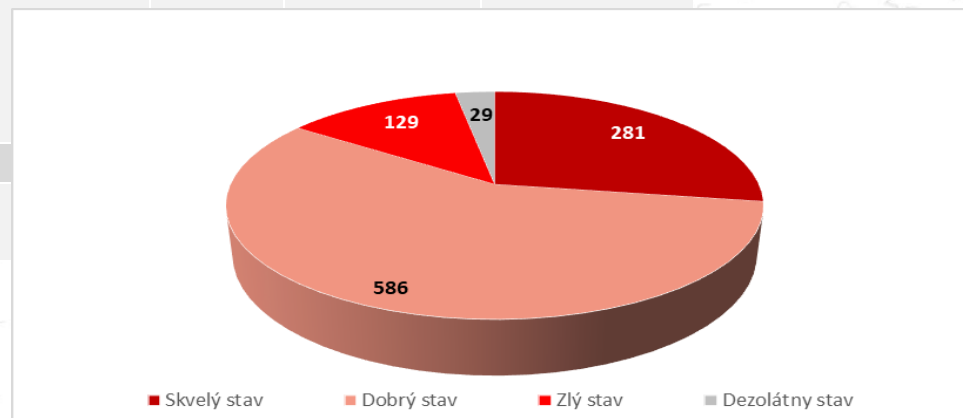
586 stops | 1025 boarding edges | more than 13 900 photos

Property, equipment	Yes		No
Stop sign	882		143
Electronic information panel at the stop sign	54		971
Electronic information panel with timetables and other information	22		1003
Loudspeaker	8		1017
Printed information panel with timetables	925		100
	Easily damaged - legible	Severely damaged - illegible	
	176	26	
Fare info	634		391
	Easily damaged - legible	Severely damaged - illegible	
	54	20	



Passportization – Suburban Bus Stops: Summary (2)

Property, equipment	yes	no	Half bay	loop	Paved surface	Unpaved surface
Bus stop bay	501	401	85	38		
Passenger boarding area surface					843	181
Elevated boarding edge	575					
	Ordinary curb	Kassel curb	450			
	552	23				
Road surface marking	446	579				
Pedestrian crossing access	592	433				



From left to right: perfect, good, poor and desolate condition

only 15 % of the boarding edges are in a bad or desolate conditions

Passportization – Rail Stops: Bad Examples



Passportization – Rail Stops: Bad Examples (2)



Bratislava-Rača: Lack of official - safe access

Passportization – Rail Stops: Summary

47 stops | more than 2 000 photos

The most common problems:

- Unnecessary railings that complicate access e.g. from the P + R car park to the platform
- Few/misplaced/missing boards with the name of the stop. Missing train direction indication
- Lack of official - safe access both from both ends of the platform parallel to the tracks and from both sides perpendicular to the tracks (in front of and behind the track)
- Other missing elements of the information and navigation system



Action Plan – Systemic Measures

- Regionalization and increase of volume of rail services in PSO regime
- Suggestions for updating Sustainable Mobility Plan of The Bratislava Region (BR)
- Greater involvement of BR in the preparation of public transport infrastructure projects
 - focus on user friendliness
 - elaborated the principles of design of integrated transport terminals
 - potential for participation of municipalities and citizens
- Single information and navigation system for passengers

Illustration photo: Madrid-Chamartín, Spain



Action Plan – Systemic Measures (2)

- Guide-lines for creation of system of P+R parking

Good example: display with departures at the exit of P+R, Pezinok



P + R car park by the railway with easy transfer without railings or other barriers. Illustration photo, Frauenfeld, Switzerland



Operačný program
**Efektívna
verejná správa**



Európska únia
Európsky sociálny fond



Action Plan – Individual Type Measures

- Renewal of suburban bus stop
- Renewal of suburban bus stop + stop bay
- Pedestrian crossing lighting at the stop
- Installation of (electronic) stop sign
- Building or renewal of stop shelter
- Furniture (benches, waste bins,...)
- Bicycle stand, bicycle shelter, bicycle box, bicycle tower
- Kiosk, vending machine,...
- Modernization/creation of rail stop
- Creation of P+R park

**While work
on public transport
stops
it is needed
constantly
think about that
we do it
for us **passengers**,
for us **pedestrains**,
for us **drivers**,
for **all of us**.**