

**MINISTRY OF ENVIRONMENT
OF THE SLOVAK REPUBLIC**
Environmental Evaluation and Management
Environmental Assessment Department
Námestie Ľudovíta Štúra 1, 812 35 Bratislava

Národná diaľničná spoločnosť, a.s.
Mlynské nivy 45
821 09 Bratislava

Your letter no./of	Bratislava	Our no.	Agent/line
	6203/2014-3.4/ml	Ing. Luciak	02 July 2014
Re:	Highway D4 Bratislava, Ivanka north - Rača - statement pursuant to Art. 18 of the Act no. 24/2006 Coll. on the assessment of impacts on the environment and on amendments to certain laws, as amended.		

By letter, delivered to the Ministry of Environment of the Slovak Republic (hereinafter referred to as the "Ministry") on 04 June 2014, you submitted a *Notification on modification* to the proposed activity "**Highway D4, Bratislava, Ivanka north - Rača**" according to Art. 18(7) of the Act no. 24/2006 Coll. on the assessment of impacts on the environment and on amendments to certain laws, as amended (hereinafter referred to as the "Act").

The Ministry published the *Notification on modification* without delay at the website of the Ministry

<http://www.enviroportal.sk/sk/eia/detail/dialnica-d4-bratislava-ivanka-sever-raca>

By letter of 09 June 2014 the Ministry sent an announcement on *Notification on modification* to the following cities and villages:

1. Bratislava city, City Council of the Capital City, Primaciálne nám. 1, 812 41 Bratislava
2. Municipality Bratislava - Vajnory, Municipal authority, Roľnícka 109, 831 07 Bratislava
3. Municipality of Ivanka pri Dunaji, 900 28 Ivanka pri Dunaji
4. Municipality of Svätý Jur, Prostredná 29, 90021 Svätý Jur

with a request to inform the public, in the locally usual manner, about this *Notification on modification*, and to inform the public about the address where *Notifications on modification* can be viewed and opinions sent (to the Ministry). At the same time it requested that municipalities **publish non-technical summary** in usual manner sent as an annex to the letter.

The municipalities published a notice of *Notification on modification* to the public in the

usual manner and reported the address to inspect it and send their opinions (to the Ministry). At the same time municipalities **published the non-technical summary including map supplement**. Publication is available 24 hours a day on the info-board.

The modified activity is located in the cadastral area of the municipalities of Bratislava, Svätý Jur, Bratislava - Vajnory municipal district, and the municipality of Ivanka pri Dunaji.

Change to the proposed work relates to the following:

- **changes of the location of the D4 highway,**
- **changes in location and shape of interchanges,**
- **changes in positions and scope relocations and reconstruction of roads and created structures of relocations and reconstruction of roads that have not been addressed in the Assessment Report,**
- **changes in bridge structures, resulting from changes in position of D1,**
- **modifications and relocation of watercourses that were not assessed in the Assessment Report,**
- **changes in relocations of utilities, resulting from a detailed geodetic survey, comments of network administrators and coordination with other structures of the relevant construction,**
- **changes in the scope and location of noise barriers.**

The proposed activity was assessed in relation to the Annex 8a to the Act No. 24/2006 Coll. on the assessment of environmental impacts.

The Ministry assessed the *Notification on modification* to the proposed activity "**Highway D4 Bratislava, Ivanka north - Rača**" of the claimant Národná diaľničná spoločnosť, a joint stock company, Bratislava, in terms of the nature and extent of the proposed change of activity, location of implementation of the proposed change of activity and the importance of expected impacts on the environment, including cumulative and synergistic, and on health of the population, while it considered the current state of the environment in the affected area. In its statement, it also used the criteria for decision-making in accordance with Annex 10 of the Act (transposition of Annex III of Directive 92/2011/EC).

On the basis of the performed assessment of the *Notification on modification* of proposed activity "Highway D4 Bratislava, Ivanka north - Rača" and of submitted professional documents, the Ministry issues under § 18 Sec. 6) of the Act for the National Motorway Company, a joint stock company, Bratislava, the claimant, the following statement:

For the modification of the proposed activity "Highway D4 Bratislava, Ivanka north - Rača" no significant adverse effect on the environment is expected, and therefore it is not subject to mandatory assessment pursuant to § 18 Sec. 4) of the Act.

The submitted *Notification on modification* to the proposed activity prepared in accordance with Annex 8/a of Act no. 24/2006 Coll., on assessment of impacts on the environment, is

prepared for a change of the construction "Highway D4 Bratislava, Ivanka north - Rača".

Description of the Environmental Impact Assessment Process

The Impact Assessment Report of "Highway D4 Ivanka north - Záhorská Bystrica" was prepared on the basis of the Assessment Scope (18 July 2008 under no. 7155/08-3.4/ml) and annex no. 11 to the Act no. 24/2006 Coll. on assessment of impacts on the environment and on modification and amendment of other acts. The Assessment Report was made by HBH projekt, spol. s r.o. in December 2010.

The Final Opinion of the Ministry of Environment SR on the Assessment Report concerning "Highway D4, Ivanka North - Záhorská Bystrica" was issued under No. 292/2011-3.4/ml dated 07/02/2012.

The Final Opinion is available from the website of the Ministry:

<http://enviroportal.sk/sk/eia>

Brief description of the technical and technological solution of the proposed modification to activity

Description of the technical solution of the proposed modification

Background summary:

- "The feasibility and purposefulness study for the route of D4 Bratislava Jarovce - Ivanka North - Stupava South - state boundary SR/Austria, (elaborated by DOPRAVOPROJEKT, a.s. in September 2009)
- Highway D4, Ivanka north – Záhorská Bystrica, Assessment Report, HBH Projekt, s.r.o., December 2010
- FO (EIA) "Highway D4, Ivanka north - Záhorská Bystrica" (No. 292/2011-3.4/ml) dated 7 February 2012
- Land-Use Planning Documentation concerning "Highway D4 Bratislava, Ivanka north – Rača", prepared by "D4 Bratislava, Jarovce – Rača" Association in October 2013

The construction of "Highway D4 Bratislava, Ivanka north - Rača" starts at the junction of existing D1 highway in FOI "Ivanka – north" at the border of cad. area Vajnory/cad. area Ivanka pri Dunaji close to the Šúrsky kanál (channel). The D4 highway continues in the north-west direction towards the cad. area Svätý Jur, crosses the Vajnorský potok (brook) by bridge, bypasses the lake of Lysec from the western part, crosses c.III/5021 (Vajnory – Čierna voda) ca 300 m from the eastern edge of the existing built-up area of the municipal part BA - Vajnory by flyover, further it continues parallelly with the Šúrsky kanál (channel), by the bridge crosses the Račiansky potok (brook) north-east of the planned CEPIT. Concluding part of the route heads to the vineyard area in the eastern edge of the Little Carpathians, where at the flyover interchange Rača it crosses the railway line Bratislava – Žilina and the road II/502 by bridge. The FOI Rača is the end of this section of D4 highway. Construction of the follow-up section of D4 highway is scheduled for next phase together with the tunnel Karpaty (the Carpathians) in the construction of "Highway D4 Bratislava, Rača – Záhorská Bystrica". The total length of the section concerned of highway D4 is **4.400 km**.

Comparison of originally assessed solution and changes in the proposed solution, reasons for change

a) Changes in location of D4 highway

Compared to the design in the Assessment Report, the following changes occurred during processing DZP :

- Location of highway D4 in the position under Technical Study "Highway D4 Bratislava, 15.0 km point, interchange Ivanka North – Rača Interchange", where the distance from Lysec lake was increased in line with the recommendations of the Final Opinion of the Ministry of Environment SR (EIA),
- Change in the height of the route of highway D4 at FOI "Ivanka – North" under the conclusions from the elaborated analysis (D1/D4) and Technical Study "Highway D4 Bratislava, 15.0 km point, interchange Ivanka North – Rača Interchange" prepared on the basis of requirements and recommendations of the Final Opinion of the Ministry of Environment SR (EIA), running under the level of highway D1, by bridge over Vajnorský potok (creek) (underpass height h=4,20 m under the bridge), in the vicinity of the existing built-up area of Vajnory on the low embankment over the level of the current terrain, bridge over Račiansky potok (creek) (underpass height h=4,20 m under the bridge), at point 3.300 km of D4 on the low embankment over the level of the current terrain, continued by bridge over railway Bratislava – Žilina and over road II/502,

b) Changes in interchanges

Assessed Solution (Intention)	Change to the proposed solution (LUPD)		Characteristics of the change to the proposed work
	structure		
FOI Čierna voda in the shape of a deltoid interchange	102	FOI Čierna voda in the shape of a deltoid flyover interchange	The change in the location and shape of FOI "Čierna voda" due to existing outlook traffic data, the option of future connection of the new urban area in Vajnory directly to FOI "Čierna voda", avoiding the burdening of built-up area in the old Vajnory by traffic noise by new urbanisation, in the Vajnory area, collision free cycling route with regard to road No. III/5021.
FOI "Rača", two-level shaped interchange	103	FOI "Rača" in the shape of flyover modified deltoid interchange including one bridge on highway D4 over railway Bratislava – Žilina and over road	Change in the shape of FOI "Rača" in line with the recommendation specified in the Assessment Report (EIA), lower construction costs, lower number of bridge structures, no

		II/502.	need of walls, less technically challenging bridge structures over modernised railway line Bratislava - Žilina (minimum restrictions to railway transport) without affecting the overhead 400 kV EHV lines, creates space for the implementation of the plan of ZSE-D, a.s. and SEPS, š.p. to build the substation Tr 400/110/22 kV Vajnory, half of road II/502 maintains at the current position, the option of turning around at FOI "Rača", greater distance from NR Šúr
--	--	---------	--

c) Changes in relocations and reconstruction of roads

Assessed Solution (Intention)		Change to the proposed solution (LUPD)		Characteristics of the change to the proposed work
No.		structure		
C1	Relocation of road III/5021 of categ. C7,5/50, 305 m long. The adjustment includes two small rotary junctions.	111	Relocation of road III/5021 at 1.363 km of D4 in interchange "Čierna voda", categ. C 9,5/50, 1,274.18 m long	Change in situated relocation of road II/5021 due to change in solution of FOI "Čierna voda" and height of route D4, no need to destruct and build new bridge on r.III/5021 over Šúrsky channel
-	-	112-01	Local road in km 1.600-2.300 of D4, category MZ 9.5/50, 760 m long	New structure in the cadastral territory Sv. Jur due to ensuring the option of connecting planned premises of CEPIT through FOI "Čierna voda" to highway D4
-	-	112-02	Local road in km 2.300-2.400 of D4, category MZ 9.5/50, 173 m long	New structure in the cadastral territory Vajnory due to ensuring the option of connecting planned premises of CEPIT through FOI "Čierna voda" to highway D4
-	-	112-03	Local road in km 2.400-	New structure in

			2.600 of D4, category MZ 9.5/50, 331 m long	the cadastral territory Vajnory due to ensuring the option of connecting planned premises of CEPIT through FOI "Čierna voda" to highway D4
C2	Relocation of field road at 3.765 km of category P6/40, 680m long	113	Relocation of local road at 3.810 km of D4 in NPR Šúr, categ. 2L 4/30, 662.12 m long	More detailed specification of the position and length with regard to existing high-pressure gas pipeline
-	-	114	Relocation of field road at 0.590 km of D4, categ. 2L 4/30, 803.50 m long	New structure for ensuring access to the land divided by structure
C3	Modification of road II/502 at FOI "Rača", 1,998 m long	115-01	Relocation of road II/502 at 4.183 km of D4 in cadastral territory Svätý Jur, 3,359.73 m long	Change of position of relocation and scope in the cadastral territory of Svätý Jur due to a change of the shape of the Rača FOI
-	(see above)	115-02	Relocation of road II/502 at 4.183 km of D4 in cadastral territory Vajnory, 3,359.73 m long	Change of position of relocation and scope in the cadastral territory of Svätý Jur due to a change of the shape of the Rača FOI
C4	Relocation of field road in the Rača FOI, categ. P 6/40, 1200 m long	116-01	Relocation of field road at km 4.400 of D4 in the cadastral territory of Svätý Jur, categ. P 6/40, 1336.62 m long	Change of position of relocation and scope of field road in the cadastral territory of Svätý Jur due to a change of the shape of the Rača FOI
	(see above)	116-02	Relocation of field road at km 4.400 of D4 in the cadastral territory of Vajnory, categ. P 6/40, 1336.62 m long	Change of position of relocation and scope of field road in the cadastral territory of Vajnory due to a change of the shape of the Rača FOI
C5	Bypass on the road III/5021 at km 1.262, category C 7.5/50, 550 m long	151	Bypass on road III/5021 at interchange "Čierna voda", 280 m long	Change in the extent due to change in the shape of FOI Čierna voda
-	-	152	Bypass on road III/5021 at interchange "Rača"	New structure due to required redirecting of traffic during

				construction of FOI Rača
-	-	153	Renovation of 2nd and 3rd class roads (after completion of construction)	New structure of readjusted 2nd and 3rd class roads after completion of construction, if required even during construction of highway D4

d) Changes in bridge structures

Assessed Solution (Intention)		Change to the proposed solution (LUPD)		Characteristics of the change to the proposed work
No.		structure		
M1	Bridge on D4 at 0.484 km over Struha creek, 23.5 m long	201	Bridge on D4 at 0.580 km over Vajnorský creek, 58.75 m long	Change to location of the bridge, width and span of the bridge due to the change in position of D4 in greater distance from the Lysec lake, the requirement under ZS (EIA)
M2	Bridge on collector at km 0.484 left over Struha creek, 23.5 m long	-	-	Removed, at the point of crossing the creek the collectors were removed, D4 runs in 6 lanes
M3	Bridge on collector at km 0.484 right over Struha creek, 23.5 m long	-	-	Removed, at the point of crossing the creek the collectors were removed, D4 runs in 6 lanes
M4	Bridge over D4 at 1.262 km in FOI Čierna voda, 108 m long	202	Bridge on road III/5021 at km 1.363 over highway D4, 131.19 m long	Change to location and span of the bridge due to change in FOI Čierna voda
-	-	203	Bridge on MK at 1.573 km over highway D4 in interchange "Čierna voda", 69.30 m long	New structure due to change in the shape of FOI Čierna voda
M5	Covered insulated basin, 700 m long	204-01	Wildlife crossing at km 1.948 of D4, 100 m long	Change in the scope of overlay of the highway due to height of D4 on low embankment over surface water level and solution of FOI Čierna voda in line

				with conditions for verification in ZS (EIA)
-	-	204-02	Wildlife crossing over local road at km 1.948 of D4, 100 m long	Ditto
M6	Bridge on D4 over Račiansky potok (creek), 21m long	205	Bridge on D4 at km 2.560 over Račiansky creek, 51.47 m long	Change in the bridge span due to need to reduce thickness of the bridge
M7	Bridge on collector of D4 on the left over Račiansky potok (creek), 21m long	-	-	Removed due to omitting the collector on the left side, different way of connecting CEPIT
M8	Bridge on D4 and ramp 41 at km 3.765 over relocation of asphalt road, 70 m long	206	Bridge on D4 at km 3.810 over local road in NR Šúr, 11.58 m long, w=.	More detailed specification of the position and length of the bridge in line with routing of local road to NR Šúr and change of FOI Rača (ramp 41 is deleted)
M9	205-00 Bridge on highway D4 over platform 41 of FOI "Rača", 26.58 m long	-	-	Removed due to change in the shape of FOI Rača
M10	206-00 Bridge on highway D4 over road II/502, railway and road at FOI Rača, 154.70 m long	207	Bridge on D4 at km 4.160 over ŽSR railway track Bratislava - Žilina at rail km 10.760, 131.19 m long	Change in length of the bridge specified on the basis of a detailed geodetic survey and the proposed shape of FOI Rača
M11	Bridge on collector of D4 on the left over road II/502, railway and road at FOI Rača, 154.70 m long	-	-	Removed due to change in the shape of FOI Rača
M12	207-00 Bridge on highway D4 over platform 2 of FOI Rača, PM 115 m long, LM 95 m long	-	-	Removed due to change in the shape of FOI Rača
M13	Bridge on collector of D4 on the left over platform 2 at FOI Rača, 95 m long	-	-	Removed due to change in the shape of FOI Rača
M14	221-00 Bridge on platform 12 at FOI Rača	-	-	Removed due to change in the shape of

	at 0.415 km through road II/502, 166.70 m long			FOI Rača
M15	222-00 Bridge on platform 2 at FOI Rača at 0.215 km over railway, 110.50 m long	-	-	Removed due to change in the shape of FOI Rača
M16	223-00 Bridge on platform 2 at FOI Rača at km over railway and road II/502, 166.50 m long	-	-	Removed due to change in the shape of FOI Rača
M17	224-00 Bridge on platform 41 at FOI Rača at 0.298 km over railway and road II/502, 166 m long	-	-	Removed due to change in the shape of FOI Rača
M18	225-00 Bridge on platform 5 at FOI Rača at 0.445 km over railway, 175.20 m long	-	-	Removed due to change in the shape of FOI Rača
-	-	208	Bridge on BS branch at interchange Rača over relocation of road II/502, left bridge 46.05 m long, right bridge 47.05m long	New bridge structure due to a change in the shape of FOI Rača
-	-	209	Bridge on SB branch at interchange Rača over relocation of road II/502, left bridge 47.48 m long, right bridge 47.28m long	New bridge structure due to a change in the shape of FOI Rača
-	-	210	Bridge on MK at 2.300 km of D4 over Vajnorský potok, 11.62 m long	New bridge structure due to a change in the shape of FOI Rača
-	-	211	Bridge on MK at 2.600 km of D4 over Račiansky potok, 38.80 m long	New bridge structure due to a change in the shape of FOI Rača

e) Changes in structures of relocations and adjustments of watercourses

Assessed Solution (Intention)	Change to the proposed solution		Characteristics of the change to the proposed work
	structure	DCP	
The Assessment Report does not specify any adjustments to watercourses	320	Adjustment of Račí potok (creek) at interchange "Rača", 189 m long	Shifting waters of Račí potok creek at the point of its crossing with branches of FOI Rača
	321	Adjustment of an unnamed creek at interchange "Rača", 212.12 m long	Shifting waters of an unnamed creek at the point of its crossing with branches of FOI

			Rača
--	--	--	------

f) Changes in the Relaying of Buried Services

In the route of the proposed structure there are currently many utilities, lines and other facilities located in the entire section of highway D4 and related roads. In the points of intersection with the traffic corridors they are considerably accumulated.

Compared to the Assessment Report (EIA) the range of utilities relocations has been updated during processing DZP for the following reasons:

- Detailed geodetic survey of the existing status along with setting the utilities during preparation of LUPD,
- The need to incorporate the comments and requirements of the administrators of the utilities concerned (opinions during preparation of LUPD),
- Detailed specification how to deal with the relocations due to need of coordinating them with other facilities related to the structure in question.

There have been designed following construction objects and operation sets of utilities relocations and new utilities in DZP:

Sewerage, water supply, irrigation and drainage

- 501 Drainage of highway D4
- 502 Relocation of pressure sewerage DN250
- 510 Adjustment of water supply system DN 400 at 1.291 km of D4
- 511 Relocation of water supply pipeline DN 500
- 520 Relocation of irrigation pipeline DN 600 at 1.225 - 2.540 km of D4
- 521 Relocation of irrigation pipelines DN 250 at 0.000 - 2.350 km of D4
- 522 Adjustment of drainage in the cadastral territory Vajnory
- 523 Adjustment of drainage in the cadastral territory Svätý Jur

Facilities with power lines of VHV, HV, LV, VO

- 601 Relocation of overhead line VHV 110 kV I.No. 8708, 8710 at 4.020 km of D4
- 611 Relocation of overhead line HV 22 kV I.No. 210, 1106 at 1.200 km of D4
- 612 Relocation of overhead line HV 22 kV I.No. 210, 263 at 3.450 km of D4
- 613 Relocation of overhead line LV at 3.830 km of D4
- 614 Relocation of overhead line HV 22 kV I.No. 139, at 4.046 km of D4
- 615 Relocation of overhead line HV I.No. 1015, at 4.060 km of D4
- 616 Cable line HV 22kV from TS10, interchange D1-D4 - TS12 Rača
- 617 Connection of VO D4 at 0.000-1.140 km
- 620 LV connection line for ISD at 0.350 km of D4
- 621 LV connection for VO of highway D4 at interchange "Čierna voda"
- 622 LV connection for VO of road III/5021 at interchange "Čierna voda"
- 623 LV connection line for wildlife crossing at 1.950 km of D4
- 624 LV connection line for ISD at 4.240 km of D4
- 625 LV connection for VO of highway D4 at interchange "Rača"
- 626-01 LV connection for VO of road II/502 at interchange "Rača" in cadastral territory Svätý Jur
- 626-02 LV connection for VO of road II/502 at interchange "Rača" in cadastral territory

Vajnory

- 627 Kiosk transformer station TS11 at interchange "Čierna Voda"
- 628 Kiosk transformer station TS12 at interchange "Rača"
- 630 Public lighting of D4 at interchange "Ivanka-North" at 0.000 - 1.140 km
- 631 Public lighting of D4 at interchange "Čierna Voda"
- 632 Public lighting of road III /5021 at interchange "Čierna Voda"
- 633 Public lighting for wildlife crossing at 1.950 km of D4
- 634-01 Public lighting of the local road at 1.600-2.300 km of D4
- 634-02 Public lighting of the local road at 2.300-2.600 km of D4
- 635 Public lighting of D4 at interchange "Rača"
- 636-01 Public lighting of road II/502 at 4,183 km of D4 in cadastral territory Svätý Jur
- 636-02 Public lighting of road II/502 at 4,183 km of D4 in cadastral territory Vajnory
- 637-01 LV connection line for VO of the local road at 1.600-2.300 km of D4
- 637-02 LV connection line for VO of the local road at 2.300-2.600 km of D4

Lines of ŽSR

- 651 Temporary adjustment of contact line at 10.760 rkm (4.136 km of D4)
- 661 Relocation of DK ŽSR at 4.105 km of D4

Gas pipelines

- 701 Adjustment of gas pipeline VTL DN 200 at 3.811 km of D4

Communication lines

- 751 Relocation of DK cables of SLOVAK TELEKOM at 1.290 km of D4
- 752 Relocation of MOK cables of SLOVAK TELEKOM at 1.290 km of D4
- 753 Relocation of DK cables of SLOVAK TELEKOM at interchange "Čierna voda"
- 754 Relocation of DK cables of SLOVAK TELEKOM at 1.300 -2.900 km of D4
- 755 Relocation of DK cables of SLOVAK TELEKOM at 3.320 -3.470 km of D4
- 756 Relocation of DK cables of SLOVAK TELEKOM at 3.400 km of D4
- 757 Relocation of overhead tf. lines of SLOVAK TELEKOM at 3.400 km of D4
- 758 Protection of DOK cables of SLOVAK TELEKOM at 4.170 km of D4
- 759 Protection of DK cables of SLOVAK TELEKOM at 4.170 km of D4
- 760 Relocation of DOK cables of ORANGE at interchange "Rača"

Information system

- 791-01 Information system of D4 - construction part
- 792-01 Information system on existing road II/502 at interchange "Rača" – construction part

Operating sets

- 791-02 Information system of D4 - technological part
- 792-02 Information system on existing road II/502 at interchange "Rača" – technological part

The proposed relocations of the utilities and new utilities are located in the close vicinity of the proposed structure, they form necessary part of the highway structure under construction.

g) Changes in Noise Reduction Measures

During preparation of land-use planning documentation (LUPD) the scope of noise control

measures was updated in the Noise Study, with regard to Assessment Report (EIA), based on the updated outlook traffic data according to the Decree of the Ministry of Health SR, where the impact of the traffic on the existing built-up area after launching into operation.

At places where construction of the primary noise control measures would be inappropriate, or costly, the façade adjustments are proposed.

The following noise control measures have been designed in DZP:

- 261 Noise barrier at 0.450 - 1.355 km of D4 on the right
- 262 Noise barrier at 0.400 - 1.650 km of D4 on the left
- 263 Noise barrier at 2.000 - 3.950 km of D4 on the right
- 264 Noise barrier at 2.000 - 2.950 km of D4 on the left
- 265 Noise barrier at "VA-ST" branch on the right at interchange "Čierna voda"
- 266 Noise barrier at "ST-VA" branch on the right at interchange "Čierna voda"
- 267 Noise barrier at "VA-CV1" branch on the left at interchange "Čierna voda"
- 268 Noise barrier at "VA-CV1" branch on the right at interchange "Čierna voda"
- 269 Noise barrier at "CV-VA" branch on the left at interchange "Čierna voda"
- 270 Noise barrier at "VA-CV2" branch on the right at interchange "Čierna voda"
- 281 Façade adjustments in Vajnory at 1.200 - 1.600 km of D4 on the left

Links with other planned and implemented activities in the affected area

Highway D4 represents the traffic connection of the existing highway routes D1 and D2 in the southern, eastern and northern part of the Capital City of Bratislava. In addition to the aforementioned highway connection D4 highway will be a significant international connection of Slovakia and Austria with traffic connections to Hungary and Czech Republic.

IMPACT ON THE ENVIRONMENT AND HUMAN HEALTH INCLUDING CUMULATIVE AND SYNERGISTIC

CHANGES IN THE LOCATION OF THE D4 HIGHWAY

Compared to the design in the Assessment Report, the following changes occurred during processing DZP :

1. Location of highway D4 in the position under Technical Study "Highway D4 Bratislava, km 15.0, interchange Ivanka North – Rača Interchange", where the distance from Lysec lake was increased in line with the recommendations of the Final Opinion of the Ministry of Environment SR (EIA),
2. Change in the height of the route of highway D4 at FOI "Ivanka – North" under the conclusions from the elaborated analysis (D1/D4) and Technical Study "Highway D4 Bratislava, 15.0 km point, interchange Ivanka North – Rača Interchange" prepared on the basis of requirements and recommendations of the Final Opinion of the Ministry of Environment SR (EIA), running under the level of highway D1, by bridge over Vajnorský potok (creek) (underpass height h=4,20 m under the bridge), in the vicinity of the existing built-up area of Vajnory on the low embankment over the level of the current terrain, bridge over Račiansky potok (creek) (underpass height h=4,20 m under the bridge), at point 3.300 km of D4 on the

low embankment over the level of the current terrain, continued by bridge over railway Bratislava – Žilina and over road II/502,

All aforementioned changes are based on the recommendations of the Ministry of Environment SR in the final statement, regarding more precise description of the route, which occurred in the process of preparing the highway project on the basis of precise terrain orientation or in order to comply with the requirements of the entities and municipalities concerned.

A) Data about direct and indirect impacts on the environment and human health including cumulative and synergistic

In LUPD the route of the highway was adjusted so that it does not interfere with the riparian overgrowth of Lysec lake. The value of the site from ornithological viewpoint lies mainly in the water area and the remnants of the floodplain forest located in the immediate vicinity of the lake. This creates a significant potential breeding habitat for several species of water and cavity birds. Site should be as far as possible preserved as irreplaceable bio-centre in the surrounding landscape.

The height of the vertical alignment of the highway was adjusted in order to eliminate the noise burden for Vajnory to the maximum extent possible. The change in the height will have a positive impact not only on the landscape (by excluding construction of originally planned 16 m high embankments) but also from the financial aspect.

Environmental Element	Characteristics of impact	Comparing the impact of the proposed change to the impact identified in the originally assessed solution
Air	<i>burden of emissions, dust</i>	comparable impact
rock environment	<i>disrupted stability</i>	comparable impact
groundwater	<i>contamination risk</i>	comparable impact
surface water	<i>contamination risk</i>	comparable impact
soil	<i>permanent and temporary use</i>	a slightly greater impact
biota, Natura 2000	<i>interference with habitats, felling of trees, stress factors,</i>	favourable impact
territorial system of ecological stability	<i>interference with TSES structure, barrier effect</i>	favourable impact
impact on traffic	<i>improved traffic situation</i>	favourable impact
well-being and quality of life	<i>- impact of emissions and noise on the population - increased traffic safety</i>	improved quality of environment in Vajnory

B) Data on Expected Impacts of the Proposed Activity on Protected Areas

Change to the proposed work is located in the territory to which the 1st protection level applies under Act of the National Council SR No. 543/2002 Coll. on Protection of Nature and Landscape. No significant negative impact on NNR Šúr is anticipated during implementation of the protective measures (noise barriers, wildlife crossing).

CHANGES IN THE INTERCHANGES

FOI Čierna voda (structure 102-00)

Change in the position and shape of FOI "Čierna voda" results from current prospective traffic data and creation of opportunity of future connection of new urbanised area of Vajnory directly to FOI "Čierna voda". The proposed change will also contribute to unburden the traffic and thus avoiding the burdening of built-up area of Old Vajnory by noise and emissions from transport in newly urbanised area. In Vajnory area the conditions for collision free cycling trail with road III/5021 will be created.

A) Data about direct and indirect impacts on the environment and human health including cumulative and synergistic

The structure concerned required permanent and temporary land taking of the agricultural land. Since the EIA did not include calculation of land to be taken by the interchange, we can state based on the professional estimate that the acreage of taken land will be considerable. The originally proposed interchange and the change to the proposed work do not interfere with the stands of trees growing outside the forest or in protected habitats. No other significant differences were identified.

The new branches of the interchange will contribute to unburdening Vajnory, resulting in the improvement of environmental quality in the municipality (decreased production of air pollutants, reduced noise burden, reduced vibrations, increased pedestrian safety and increased traffic safety).

The following table shows the characteristics of the most serious possible effects of the modification to the proposed activity.

Environmental element	Characteristics of impact	Comparing the impact of the proposed change to the impact identified in the originally assessed solution
Air	<i>burden of emissions, dust</i>	comparable impact
rock environment	<i>risk of landslides, contamination</i>	comparable impact
groundwater	<i>contamination risk</i>	comparable impact
surface water	<i>contamination risk</i>	comparable impact
soil	<i>permanent and temporary use</i>	greater impact
biota, Natura 2000	<i>interference with habitats, felling trees, stress factors, close to SPA and SCI</i>	comparable impact
territorial system of ecological stability	<i>intervention in the TSES structure, barrier effect</i>	comparable impact
impact on traffic	<i>change in traffic situation</i>	improved traffic situation
well-being and quality of life	<i>impact of emissions and noise on the population - increased traffic safety</i>	improved quality of environment in the municipality of Vajnory

B) Data on Expected Impacts of the Proposed Activity on Protected Areas

The change to the proposed work is located in the territory to which the 1st protection level applies under Act of the National Council SR No. 543/2002 Coll. on Protection of Nature and Landscape and does not constitute interference with the territory declared or proposed for protection under national and European protected Natura 2000 sites.

FOI Rača (structure 103-00)

Change in the shape of FOI "Rača" in line with the recommendation specified in the Assessment

Report (EIA), lower construction costs, lower number of bridge structures, no need of walls, less technically challenging bridge structures over modernised railway line Bratislava - Žilina (minimum restrictions to railway transport) without affecting the overhead 400 kV EHV lines, creates space for the implementation of the plan of ZSE-D, a.s. and SEPS, š.p. to build the substation Tr 400/110/22 kV Vajnory, half of road II/502 maintains at the current position, the option of turning around at FOI Rača.

The direct and indirect impacts on the environment and human health including cumulative and synergistic

The structure concerned will require a comparable interference with the vineyards on the western slopes of the Little Carpathians. A positive change in the shape of the interchange is the fact that the structure will be further away from NNR Šúr. No other significant differences were identified.

The following table shows the characteristics of the most serious possible effects of the modification to the proposed activity.

Environmental element	Characteristics of impact	Comparing the impact of the proposed change to the impact identified in the originally assessed solution
Air	<i>burden of emissions, dust</i>	comparable impact
rock environment	<i>risk of landslides, contamination</i>	comparable impact
groundwater	<i>contamination risk</i>	comparable impact
surface water	<i>contamination risk</i>	comparable impact
soil	<i>permanent and temporary use</i>	comparable impact
biota	<i>felling of trees, stress factors</i>	comparable impact
territorial system of ecological stability	<i>intervention in the TSES structure, barrier effect</i>	comparable impact
impact on traffic	<i>change in traffic situation</i>	improved traffic situation
well-being and quality of life	<i>impact of emissions and noise on the population - increased traffic safety</i>	improved quality of environment

Data on Expected Impacts of the Proposed Activity on Protected Areas

The change to the proposed work is located in the territory to which the 1st protection level applies under Act of the National Council SR No. 543/2002 Coll. on Protection of Nature and Landscape and does not constitute interference with the territory declared or proposed for protection under national and European protected Natura 2000 sites.

ROAD RELOCATIONS AND RECONSTRUCTIONS

Relocation of road III/5021 at 1.363 km of D4 in interchange Čierna voda, 1274.18 m long (structure 111-00)

Change in situated relocation of road II/5021 due to change in solution of FOI "Čierna voda" and height of route D4, no need to destruct and build new bridge on r.III/5021 over the Šúrsky channel.

Characteristics of the impact of the proposed change

The structure of road relocation represents an increase in agricultural land compared to the Assessment Report. The impact of construction on the environment due to its size and location is assessed as moderate.

Relocation of local road at 3.810 km of D4 to NNR Šúr, 662.12m long (unit 113-00)

Relocation of local road at 3.810 km of D4 in NPR Šúr, categ. 2L 4/30, 662.12 m long. Slightly increased precision of positioning and length with regard to the existing high-pressure gas pipeline.

Characteristics of the impact of the proposed change

The proposed change compared to the structure proposed in the Assessment Report represents a comparable impact on the environment.

Relocation of road II/502 at 4.183 km of D4 in cadastral territory Svätý Jur, 3,359.73 m long (structure 115-01)

Change of position of relocation and scope in the cadastral territory of Svätý Jur due to a change of the shape of the Rača FOI

The structure of road relocation represents an increase in agricultural land - vineyards compared to the Assessment Report. The impact of construction on the environment due to its size and location is assessed as moderate.

Relocation of road II/502 at 4.183 km of D4 in cadastral territory Vajnory, 3,359.73 m long (structure 115-02)

Change of position of relocation and scope in the cadastral territory of Svätý Jur due to a change of the shape of the Rača FOI

The structure of road relocation represents an increase in agricultural land - vineyards compared to the Assessment Report. The impact of construction on the environment due to its size and location is assessed as moderate.

Relocation of field road at 4.400 km of D4 in cadastral territory Vajnory, 1336.62 m long (structure 116-01)

Change of position of relocation and scope of field road in the cadastral territory of Svätý Jur due to a change of the shape of the Rača FOI

Characteristics of the impact of the proposed change

The structure of road relocation represents an increase in agricultural land - vineyards compared to the Assessment Report. The impact of construction on the environment due to its size and location is assessed as moderate.

Relocation of field road at 4.400 km of D4 in cadastral territory Vajnory, 1336.62 m long (structure 116-02)

Change of position of relocation and scope of field road in the cadastral territory of Vajnory due to a change of the shape of the Rača FOI

Characteristics of the impact of the proposed change

The structure of road relocation represents an increase in agricultural land - vineyards compared to the Assessment Report. The impact of construction on the environment due to its size and location is assessed as moderate.

Bypass on road III/5021 at interchange Čierna voda, 280 m long (structure 151-00)

Change in the extent due to change in the shape of FOI Čierna voda

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions and to increase its safety. The impact of construction on the environment due to its size and location is assessed as negligible.

RELOCATED AND RECONSTRUCTED ROADS PROPOSED WITHIN THE ZONING PERMIT DOCUMENTATION THAT WERE NOT LISTED IN THE ASSESSMENT REPORT (EIA)

Local road at 1.600 - 2.300 km of D4, 760 m long (structure 112-01)

Local road in km 1.600-2.300 of D4, category MZ 9.5/50, 760 m long New structure in the cadastral territory Sv. Jur due to ensuring the option of connecting planned premises of CEPIT through FOI "Čierna voda" to highway D4

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions. The change will be reflected in the increased acreage of agricultural land taking. The impact of construction on the environment due to its size and location is assessed as negligible.

Local road at 2.300 - 2.400 km of D4, 173m long (structure 112-02)

Category MZ 9,5/50 New structure in the cadastral territory Vajnory due to ensuring the option of connecting planned premises of CEPIT through FOI "Čierna voda" to highway D4

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions. The change will be reflected in the increased acreage of agricultural land taking.

The structure at the bridging of Račiansky creek interferes with habitat: **Ls1.1 Willow-poplar lowland floodplain forests - priority habitats of Community importance**

The site comprises the refuge of the floodplain forest with the following species: *Cerasus avium* (wild cherry), *Phragmites australis* (common reed), *Populus nigra* (black poplar), *Populus x canescens* (grey poplar), *Swida sanguinea* (common dogwood), *Viscum album* (European mistletoe).

The total social value of the registered habitat of Community importance covering an area of 1,072.3 m², in accordance with Act No. 543/2002 Coll. as amended, is **EUR 19,215.62 (year 2014)**.

The impact of construction on the environment due to its size is assessed as moderate.

Local road at 2.400 - 2.600 km of D4, 331m long (structure 112-03)

New structure in the cadastral territory Vajnory due to ensuring the option of connecting planned premises of CEPIT through FOI "Čierna voda" to highway D4

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions. The change will be reflected in the increased acreage of agricultural land taking. The impact of construction on the environment due to its size and location is assessed as negligible.

Relocation of field road at 0.590 km of D4, 803.50 m long (structure 114-00)

Relocation of the field road is to ensure access to the land divided by the structure.

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions. The change will be reflected in the increased acreage of agricultural land taking. The impact of construction on the environment due to its size and location is assessed as negligible.

Bypass on road II/502 in interchange Rača (structure 152-00)

New structure due to required redirecting of traffic during construction of FOI Rača.

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions and to increase its safety. The impact of construction on the environment due to its size and location is assessed as negligible.

Modification of roads of 2nd and 3rd class roads (after completion of construction)

(structure 153-00)

New structure of readjusted 2nd and 3rd class roads after completion of construction, if required even during construction of highway D4

Characteristics of the impact of the proposed change

This change will contribute to improvement of traffic conditions and to increase its safety. The impact of construction on the environment due to its size and location is assessed as negligible.

CHANGES OF BRIDGE STRUCTURES

Bridge structures are an essential part of the highway route, as well as integrated in some already above-mentioned structures, particularly in the structure of highway D4 and interchanges.

Bridge on D4 at 0.580 km over Vajnorský creek (structure 201-00)

Change to location of the bridge, width and span of the bridge due to the change in position of D4 in greater distance from the Lysec lake, the requirement under ZS (EIA)

Characteristics of the impact of the proposed change

When compared to the Assessment Report the length of the bridge will be extended by 35.25 m which will contribute to improving the migration possibilities under the bridge. Change to the proposed work is located in the territory to which the 1st protection level applies and does not constitute interference with the territory declared or proposed for protection under national and European protected Natura 2000 sites.

Bridge on collector at 0.484 km left of Struha creek (structure M2)

Removed, at the point of crossing the creek the collectors were removed, D4 runs in 6 lanes

Characteristics of the impact of the proposed change

No impact.

Bridge on collector at 0.484 km right of Struha creek (structure M3)

Removed, at the point of crossing the creek the collectors were removed, D4 runs in 6 lanes

Characteristics of the impact of the proposed change

No impact.

Bridge on road III/5021 at 1.363 km over highway D4 (structure 202-00)

Change to location and span of the bridge due to change in FOI Čierna voda

Characteristics of the impact of the proposed change

When compared to the Assessment Report the length of the bridge will be extended by 23.19 m which will contribute to improving the migration possibilities under the bridge. Change to the proposed work is located in the territory to which the 1st protection level applies and does not constitute interference with the territory declared or proposed for protection under national and European protected Natura 2000 sites.

Bridge on local road at 1.573 km over highway D4 in interchange Čierna voda, (structure 203-00)

New structure due to change in the shape of FOI Čierna voda

Characteristics of the impact of the proposed change

This change is not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed change represents a solution with minimal impact on the environment and health of residents.

Wildlife crossing at 1.948 km of D4 (structure 204-01)

Change in the scope of overlay of the highway due to height of D4 on low embankment over surface water level and solution of FOI Čierna voda in line with conditions for verification in ZS (EIA)

Characteristics of the impact of the proposed change

Wildlife crossing at 1.948km of D4, 100m long, bridges the highway as an overlaid structure for transition over the highway and local road. The support structure will be overlaid by the soil and the surface will be grassed and modified by vegetation so as to create favourable conditions for migrating animals, which uses adjacent fields as feeding sites.

Wildlife crossing over local road at 1.948 km of D4 (structure 204-02)

Change in the scope of overlay of the highway due to height of D4 on low embankment over surface water level and solution of FOI Čierna voda in line with conditions for verification in ZS (EIA)

Characteristics of the impact of the proposed change

This change is not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed change represents a solution with minimal effect on the environment and health of residents. When compared to the original proposal, it does not have a different nature and scope of impact than was anticipated in the Assessment Report.

Bridge on D4 at 2.560 km over Račiansky creek (structure 205-00)

Change in the bridge span due to need to reduce thickness of the bridge The length of the bridge structure will be increased by 30.47 m.

Characteristics of the impact of the proposed change

The bridge is 6.5 meters high so the space under bridge will provide for the migration of animals of category B (deer), category C (fox, otter, rabbit, marten) and category D (amphibians). When compared to the original proposal, the change to bridge will create favourable conditions for wildlife migration.

Bridge on collector of D4 on the left over Račiansky creek, (structure M7)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on D4 at km 3.810 over local road to NR Šúr (structure 206-00)

More detailed specification of the position and length of the bridge in line with routing of local road to NR Šúr and change of FOI Rača (ramp 41 is deleted)

Characteristics of the impact of the proposed change

When compared to the original proposal, it does not have a different nature and scope of impact than was anticipated in the Assessment Report.

Bridge on highway D4 through ramp 41 of FOI Rača (structure M9)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on D4 at km 4.160 over ŽSR railway track Bratislava - Žilina at rail km 10.760 (structure 207-00)

Change in length of the bridge specified on the basis of a detailed geodetic survey and the proposed shape of FOI Rača.

Characteristics of the impact of the proposed change

This change is not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed change represents a solution with negligible to no impact on the environment and health of residents.

Bridge on collector of D4 on the left over road II/502, railway track and road at FOI Rača (structure 11)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on highway D4 through ramp 2 of FOI Rača (structure M12)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on highway D4 left through ramp 2 of FOI Rača (M13)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on ramp 12 of FOI Rača at km 0.415 over road II/502 (M14)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on ramp 2 at FOI Rača at km 0.215 over railway track (structure M15)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on ramp 2 of FOI Rača at km over railway track and road II/502 (M16)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on ramp 41 of FOI Rača at 0.298 km over railway and road II/502 (structure M17)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on ramp 5 of FOI Rača at km 0.445 over railway track (structure M18)

The bridge structure will not be constructed due to change in FOI Rača.

Characteristics of the impact of the proposed change

No impact.

Bridge on BS branch at interchange Rača over relocation of road II/502 (structure 208-00)

Construction of new bridge structure required a change in shape of FOI "Rača".

Characteristics of the impact of the proposed change

This change is not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed change represents a solution with negligible to no impact on the environment and health of residents.

Bridge on SB branch at interchange Rača over relocation of road II/50 (structure 209-00)

Construction of new bridge structure required a change in shape of FOI "Rača".

Characteristics of the impact of the proposed change

This change is not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed change represents a solution with minimal impact on the environment and health of residents.

Bridge on local road at km 2.300 over Vajnorský creek (structure 210-00)

Construction of new bridge structure required a change in shape of FOI "Rača".

Characteristics of the impact of the proposed change

This change is not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed change represents a solution with minimal effect on the environment and health of residents.

Bridge on local road at km 2.600 over Račiansky creek (structure 211-00)

Construction of new bridge structure required a change in shape of FOI "Rača".

Characteristics of the impact of the proposed change

The structure will require intervention in the habitat of Community importance **Ls1.1 Willow-poplar lowland floodplain forests - priority habitats of Community importance**. Interference with the habitat requires the consent of the competent nature conservation authority. Given its scope the proposed change represents a solution with a slightly negative impact on the environment.

CHANGES IN STRUCTURES OF RELOCATIONS AND ADJUSTMENTS OF WATER COURSES

Assessed Solution (Intention)	Change to the proposed solution		Characteristics of the change to the proposed work
	structure	DCP	
The Assessment Report does not specify any adjustments to watercourses	320	Adjustment of Račí potok (creek) at interchange "Rača", 189 m long	Shifting waters of Račí potok creek at the point of its crossing with branches of FOI Rača
	321	Adjustment of an unnamed creek at interchange "Rača", 212.12 m long	Shifting waters of an unnamed creek at the point of its crossing with branches of FOI Rača

The Assessment Report, based on the Technical Study, did not consider modification of the watercourses. More detailed elaboration of project documentation showed the necessity of diverting rivers.

Adjustment of Račí potok (creek) at interchange Rača, 189 m long (structure 320-00)

Shifting waters of Račí potok creek at the point of its crossing with branches of FOI Rača Modification in the length of 189 m will be led through culverts (63m and 16m). In the open riverbed the modification of the riverbed will be created by four arcs and four straight sections.

Characteristics of the impact of the proposed change

The most significant negative impact of the proposed work will be reflected in the construction phase on aquatic fauna of Račí potok. This impact will be temporary. In the operational phase a part of a watercourse will be conducted in a closed profile. Loss of light and change to temperature conditions will also negatively affect aquatic fauna. The proposed change will have a slightly negative impact.

Adjustment of unnamed creek at interchange Rača (structure 321-00)

Shifting waters of an unnamed creek at the point of its crossing with branches of FOI Rača Modification in the length of 212.12 m will be led through culverts (12m, 32.95m a 18m). In the open riverbed the modification of the riverbed will be created by two arcs of three straight sections.

Characteristics of the impact of the proposed change

The negative effects of the proposed changes will have similar negative effects as with regard to the structure 320-00.

The proposed change will have a slightly negative impact.

CHANGES IN RELOCATIONS OF UTILITIES

In the route of the proposed structure there are currently many utilities, lines and other facilities located in the entire section of highway D4 and related roads. In the points of intersection with the traffic corridors they are considerably accumulated.

Compared to the Assessment Report (EIA) the range of utilities relocations has been updated during processing DZP for the following reasons:

- Detailed geodetic survey of the existing status along with setting the utilities during preparation of LUPD,
- The need to incorporate the comments and requirements of the administrators of the utilities concerned (opinions during preparation of LUPD),
- Detailed specification how to deal with the relocations due to need of coordinating them with other facilities related to the structure in question.

The following construction facilities and relocation of the operating sets of the utilities and new utilities were proposed in LUPD:

Sewerage, water supply, irrigation and drainage

Facilities with power lines of VHV, HV, LV, VO

Lines of ŽSR

651 Temporary adjustment of contact line at 10.760 rkm (4.136 km of D4)

661 Relocation of DK ŽSR at 4.105 km of D4

Gas pipelines

701 Adjustment of gas pipeline VTL DN 200 at 3.811 km of D4

Communication lines

Information system

Operating sets

Characteristics of the impact of the proposed change

The proposed relocations of the utilities and new utilities are located in the close vicinity of the proposed structure, they form its necessary part. This changes are not in conflict with the declared protected areas or territories of the European network NATURA 2000. The proposed changes represent the solution with negligible to no impact on the environment and health of residents.

CHANGES IN NOISE REDUCTION MEASURES

During preparation of land-use planning documentation (LUPD) the scope of noise control measures was updated in the Noise Study, with regard to Assessment Report (EIA), based on the updated outlook traffic data according to the Decree of the Ministry of Health SR, where the impact of the traffic on the existing built-up area after launching into operation.

At places where construction of the primary noise control measures would be inappropriate, or costly, the façade adjustments are proposed.

The following noise control measures have been designed in DZP:

261 Noise barrier at 0.450 - 1.355 km of D4 on the right

262 Noise barrier at 0.400 - 1.650 km of D4 on the left

263 Noise barrier at 2.000 - 3.950 km of D4 on the right - protection of NNR Šúr

- 264 Noise barrier at 2.000 - 2.950 km of D4 on the left
- 265 Noise barrier at "VA-ST" branch on the right at interchange "Čierna voda"- protection of NNR Šúr
- 266 Noise barrier at "ST-VA" branch on the right at interchange "Čierna voda"
- 267 Noise barrier at "VA-CV1" branch on the left at interchange "Čierna voda"
- 268 Noise barrier at "VA-CV1" branch on the right at interchange "Čierna voda"
- 269 Noise barrier at "CV-VA" branch on the left at interchange "Čierna voda"
- 270 Noise barrier at "VA-CV2" branch on the right at interchange "Čierna voda"
- 281 Façade adjustments in Vajnory at 1.200 - 1.600 km of D4 on the left

Characteristics of the impact of the proposed change

In terms of protection of the population from adverse effects of noise the measures for noise control represent a significant positive impact. The positive effect of the proposed change will be protection against noise from traffic in NNR Šúr.

Compensations

The construction of the highway includes compensations for property loss by permanent taking of land, unavoidable cutting of verdure, and compensation for loss of agricultural and forest production on temporarily taken agricultural and forest land and for real estate.

Measures to preserve environment

Mitigating measures

For avoiding and reducing the negative effects of construction on the environment, health and socio-economic environment the requirements to reduce or eliminate the negative impacts have been incorporated in the project documentation. These are mainly the following:

- *measures to protect surface and ground water,*
- *measures to reduce the risks implied from the interaction of the structure with the rock environment,*
- *reduction of operating risks.*

CURRENT STATUS OF ZONING (LAND USE PLANNING) DOCUMENTATION (2014)

The Resolution No. 60/2013 dated 20 September 2013 approved the Land-Use Plan of Bratislava Self-Governing Region, and the Generally Binding Regulation of Bratislava Self-Governing Region No. 1/2013 dated 20 September 2013, declaring the binding part of the Land-Use Plan of Bratislava Self-Governing Region. This repealed the preceding LUP of Bratislava self-governing region, as amended in 2008. The drawing of public transport routes includes the route of highway D4 in a position recommended by the Final Opinion of the Ministry of Environment of the SR no. 292/2011-3.4/ml dated 7 February 2012 to Assessment Report concerning structure D4 Ivanka North – Záhorská Bystrica.

Land-use plan of the Capital City of SR Bratislava

- ***Modifications and amendments 02*** were prepared by the Department of Land-Use Planning and Development of the Municipality of Bratislava in 2010.

The most fundamental change in the field of highways and expressways is the implementation of the current layout of the network of highways and expressways in the Slovak Republic in the Land-Use Plan of the upper tier territorial unit of Bratislava Region, as amended, and Government Resolution No. 882 date 3 December 2008 in LUP of the Capital City of SR Bratislava. It concerns a zero radial road in the section from the border with Austria (Kittsee) to the border with Austria (Marchegg) with parameters of a highway entitled D4 and the inclusion

of R7 Lučenec - Bratislava up to highway D4 in the network of expressways of the Slovak Republic.

Highway D4 (zero radial road running from the highway interchange D2 / D4 in Jarovce municipality, through a new bridge over the Danube, along the southern and eastern boundaries of the city up to highway D1 and continuing on the Račianska radial road, including flyover interchanges with r. I / 2, extended Bajkalská r. I / 63, r. II / 572, r. I / 61, D1, r. III / 0611, r. II / 502)

Proposal of the road network for 2030 - extension of the route of highway D4 (zero radial road running from Račianska radial road, through the tunnel in the Carpathians up to the state border with Austria (Marchegg).

- **Changes and amendments.3 – Proposal 07/2013 (City Council of the Capital city)** - it concerns the first phase of changes to the valid land-use plan of the Capital City of SR Bratislava, which includes the draft changes to the zoning in the site of Kráľova hora and changes to the main public transport system - tram route Jantárova cesta – Štúrova ulica. The changes do not relate to the position of highway D4.

Svätý Jur

In 2012 Changes and amendments No.1/2012 – Chlebnice were added, (Ing.arch. Milan Zelina) documentation does not deal with the position of D4 highway.

Ivanka pri Dunaji

Proposal - Changes and amendments No.1/2013 (Ing.arch. Monika Dudášová) changing and amending LUP CA Ivanka pri Dunaji as amended by ZaD, approved by resolution of CA in Ivanka pri Dunaji No. 3/1998, author: Ing. Arch. Hana Hlubocká et al.

- no changes in the land-use plan with regard to the position of highway D4,

- deals with adding new collecting road FT B3 (3rd class road), running in the south-east edge of the cadastral territory of the municipality. Road dealt with in three stages, presumes interconnection of roads III/061066 and III/061004, as well as future connection to highway D4;

- in August 2013, the District Environmental Office in Senec issued the Decision based on the fact finding concerning the strategy document.

Vajnory

Urban study of Nemecká dolina valley in urban part Bratislava Vajnory (AZ ateliér s.r.o. Bratislava, 12/2010), proposed structure does not collide with the planned investments in the territory.

STATEMENTS AND OPINIONS

Statement by the affected public authority of nature and landscape protection.

Senec District Authority, Department of Care for Environment, letter dated 08 April 2014

No comments to the proposed change from the viewpoint of protection of nature and landscape.

Pezinok District Authority, Department of Care for Environment, letter dated 10/04/2014

From the viewpoint of protection of nature and landscape, reminds that it is necessary to respect the conditions of protection of protected territories, including, without limitation, NR Šúr, Ramsar sites, and territories of European significance.

Bratislava District Authority, Department of Care for Environment, letter dated 23/04/2014

Notes the duties of the proponent during the preparation of the highway with regard to the Act on protection of nature and landscape, the necessary consents to cut trees, and intervention with a

habitat of European significance.

Bratislava District Authority, Department of Care for Environment, Unit for protection of nature and selected components of the environment of the region, letter dated 05/05/2014

Recommends to perform the submitted changes on the highway as the foreseen changes will not affect the interests of nature and landscape protection.

Opinion of the competent land-use planning authority

Municipality of Bratislava, capital city of the Slovak Republic, letter dated 31/03/2014

Describes individual documents forming the basis of the Notification on modifications and concludes that the modification of the proposed activity as stated in the conclusion of the notification on modification should not have a substantial unfavourable impact on the environment and population.

Municipality of Bratislava, capital city of the Slovak Republic, letter dated 30/06/2014

States that from the viewpoint of solution of public transport facilities, it acknowledges the receipt of the document. From an environmental assessment aspect, it is necessary to reflect and accept the recommendations from the Final Opinion from the assessment process.

Bratislava Self-Governing Region, letter dated 13/03/2014

Without objections against the modification of the activity.

Public opinion

RNDr. Anna Zemanová from Bratislava - Vajnory sent an opinion on the Notification by e-mail. In her opinion, she states:

As a party to the proceedings in the process of assessment and permitting of the proposed activity "D4 Highway, Bratislava, Ivanka north interchange - Stupava" I hereby file an objection as neither I nor other known parties to the proceedings were informed that a modification of the proposed activity "D4 Highway Bratislava Ivanka north - Rača" had been assessed.

Due to this fact, I request that known parties are informed about the assessed modification and that the assessment period is extended adequately.

Concerning the material itself, I state that on 14 January 2014, the Final Opinion on the strategic document New Project of Construction of Highways and Expressways, Amendment no. 3, was issued. The recommendations in the strategic document are moderate and request that the strategic document for the section of Rača interchange - Záhorská Bystrica - Stupava south - DNV - state border of SR/Austria is reworked, extended, and modified, stating that it is necessary to look for a new routing of the Karpaty tunnel with regard to further routing in the territory of Marianka and Záhorská Bystrica.

The opinion states that the route has not been approved in the EIA process and it is only recommended in perspective.

I also remind you that on 11 December 2013, the Regulation (EU) of the European Parliament and of the Council no. 1315/2013 on Union guidelines for the development of the trans-European transport network and repealing Decision No 661/2010/EU (hereinafter the "EU Regulation"). In section 3(a) of Article 17 of the EU Regulation there is an exact definition of what is a highway: "A highway is a road specially designed and built for motor traffic, which does not serve properties bordering on it."

Due to the above reasons I disagree with the assessment of the section of the proposed highway D4 Ivanka north - Rača interchange. Without a connection to the other side of the Carpathians, it

will serve solely to the servicing of the adjacent territory, with a road of a highway class ending on a 2nd class road, and according to the attached documentation, mostly to service the adjacent territory in the surroundings of the planned section that is being prepared for urbanizing; this sharply contradicts the EU Regulation.

On the basis of a sub-opinion of the NDS, a.s., Bratislava, the Ministry of Environment of the Slovak Republic responded to the above e-mail:

Concerning your request that parties to the proceedings from the process of assessment of proposed activity "D4 Highway Bratislava, Ivanka north interchange - Stupava" should receive the Notification on modification of the proposed activity "D4 Highway Bratislava Ivanka north - Rača", we provide you with the following response:

- Under Article 18(6) - The relevant body will issue a statement ... Neither this provision nor any other provision of Article 18 permit that documentation - Notification on modification - is sent to the subjects of assessment. This is why we can not satisfy you.

- Also, under Article 18 it is impossible to prolong dates, suspend proceedings, or otherwise modify the process of issuing of the Statement

- Concerning your material comments, we have asked NDS, a.s., Bratislava, for an opinion that we forward to you in full:

- "It was never claimed that the D4 highway ends on road II/502 - in the Rača interchange; the continuing of the highway through the Carpathians is being prepared from the Rača interchange to Záhorská Bystrica and further according to the issued FO for Ivanka north - Záhorská Bystrica

- The D4 highway does not serve the neighbouring properties but using interchanges, it provides for the connection of highways D1, D2, the R7 expressway, state roads of 1st, 2nd, and 3rd class, and on the Austrian side, it directly continues by the A6 highway and in the future, with the foreseen S8 expressway, with the D1 highway on the Czech side and with the M15 highway on the Hungarian side.

- The highway is projected in line with Article 3b(2) and Article 4 of the Act no. 135/1961 Coll. on road communications (Road Act) as amended and in line with other valid regulations as a land communication with limited connection and access (only connecting to roads of the 1st, 2nd, and 3rd classes), without connecting to neighbouring properties, i.e. it is not used to serve the adjacent territory.

The above implies that while our approach to public rights has been accommodating, the procedure under Article 18 does not enable us to fulfil your requests.

Information for permitting authority

This opinion is a basis for actions under the Act no. 50/1976 Coll. on Territorial Planning and Building Code (Building Act), as amended.

Best Regards,

RNDr. Gabriel Nižňanský
Head of the Department

For the attention of

1. Ministry of Transportation, Construction, and Regional Development of the Slovak Republic, Department of Road Communications, Nám. slobody 6, 810 05 Bratislava 15
2. Municipality of Bratislava, Primaciálne nám. 1, 812 41 Bratislava
3. Bratislava - Vajnory municipal district, Municipal authority, Roľnícka 109, 831 07 Bratislava
4. Municipality of Ivanka pri Dunaji, 900 28 Ivanka pri Dunaji
5. Municipality of Svätý Jur, Prostredná 29, 90021 Svätý Jur

Disclaimer

This is an English translation of a document that was originally produced in the Slovak language. While we have exercised utmost care to make this translation accurate, it may contain typing or translation errors. Therefore, always consult the Slovak original before making decisions on the basis of this translation.

The name of this document in Slovak is *Vyjadrenie*. The file name has not been changed.

We hereby confirm that the European Bank for Reconstruction and Development shall have no responsibility for the translated content.

Project Implementation Services, spol. s r. o.
Consultant under Consultancy Contract C31934