



Innovation and Networks Executive Agency
Department C - Connecting Europe Facility (CEF)

AMENDMENT N° 3
TO AGREEMENT No INEA/CEF/TRAN/M2015/1138924

The **Innovation and Networks Executive Agency (INEA)** ("the Agency"), under the powers delegated by the European Commission ("the Commission"), represented for the purposes of signature of this amendment by the Head of Department C of the Agency, **Andreas Boschen**,

on the one part,

and

Správa železnic, státní organizace (Správa železnic)

State Organisation

Registration No A48384

Dlázdena 1003/7

110 00 Praha

Czech Republic

VAT No CZ70994234,

represented for the purposes of signature of this amendment by Deputy Director General, **Mojmír Nejezchleb**

hereinafter referred to collectively as "the beneficiaries", and individually as "beneficiary" for the purposes of this amendment

on the other part,

Having regard to the above-mentioned grant agreement concluded between the Agency and the beneficiary on 03/11/2016 as amended on 14/11/2017 and 05/11/2018,

Whereas:

- (1) The beneficiary has requested the Agency on 31/01/2020 to amend the above-mentioned grant agreement for the following reason(s): (i) necessity to carry out additional works affecting the implementation schedule and end date of the Action; (ii) adjustments in technical description of activities 1-5 resulting from completed detailed design documentation and actual implementation of works.
- (2) The measures provided for in this amendment do not affect the award of the Union financial aid.

HAVE AGREED AS FOLLOWS:

Article 1

(1) In the preamble, the beneficiary details shall read as follows:

Správa železnic, státní organizace/ Správa železnic (formerly SZDC, s. o.)
State Organisation
Registration No A48384
Dlázdena 1003/7
110 00 Praha
Czech Republic
VAT No CZ70994234

(2) Article 2.2 is replaced by the following article:

"2.2 The action shall run from 30/03/2017 ("the starting date") until 30/09/2021 ("the completion date")."

(3) Article 4.1.1 "Reporting periods" is replaced by the following article:

"4.1.1 Reporting periods

The action is divided into the following reporting periods:

- Reporting period 1 from the starting date of the action to 31 December 2017;
- Reporting period 2 from 1 January 2018 to 31 December 2018;
- Reporting period 3 from 1 January 2019 to 31 December 2019;
- Reporting period 4 from 1 January 2020 to 31 December 2020;
- Last reporting period from 1 January 2021 to the completion date of the action."

(4) Annex I shall read as follows:

"ANNEX I

DESCRIPTION OF THE ACTION

ARTICLE I.1 – IMPLEMENTATION OF THE TEN-T NETWORK

The action contributes to the implementation of the:

- the core network
- Corridor(s): Orient/East-Med
- Pre-identified section(s) on the core network corridor(s):
 - Praha

ARTICLE I.2 – LOCATION OF THE ACTION

I.2.1 Member State(s): Czech Republic.

I.2.2 Region(s) (using the NUTS2 nomenclature): Praha (CZ01).

I.2.3 Third country(ies): not applicable.

ARTICLE I.3 – SCOPE AND OBJECTIVES OF THE ACTION

The Praha railway junction is an important railway node situated on the Rhine-Danube and Orient/East-Med core network corridors, which currently represents a major bottleneck in regional and international rail transport. The Action covers an upgrade of the "Negrelli Viaduct", consisting of 15 bridges, as well as the upgrade of the railway line, both part of the above junction. The "Negrelli Viaduct" is located in a congested urban area of Prague, on the railway line Prague Masaryk Station - Prague Bubny (and the Hrabovská branch). It is an important link within the suburban transport routes with significant passenger flows, and a key element of the foreseen link of Václav Havel International Airport to the railway junction that will ensure a rail connection of the airport to the core network. The Action will contribute to the Global Project of the reconstruction of the Praha railway junction, which aims to improve its capacity, safety and interoperability.

More specifically, the Action covers the reconstruction of the 15 existing bridges (two of which are to be replaced by a new bridge) and the upgrade of the railway line between km 410.467 and km 411.791 on the Prague Masaryk Station - Prague Bubny railway line (Section 1) and between km 0.063 and km 0.565 on the Hrabovská branch (the connecting viaduct "Hrabovka – Karlín") (Section 2), in a total length of 1.826 km. Currently, the existing infrastructure pertaining to the "Negrelli Viaduct" is in poor technical condition and has obsolete and outdated signalling and communication equipment.

The Action will be carried out in two parts, according to the building permits:

- Part 1 covering the preparatory works; reconstruction of bridges (eight bridges located at Prvního pluku Street and over the Vltava River between km 410.804 and km 411.791 of Section 1); and upgrading of the rail and other affected road and public utility infrastructure, which are all covered by the 1st building permit;

- Part 2 covering the preparatory works; reconstruction of bridges (seven bridges, three of which at Malého Street between km 0.063 and km 0,565, a further three at the Praha-Florenc Bus Terminal and one over Křížkova street, located between km 410.467 and km 410.804 of Section 1, and between km 0.063 and km 0.565 of Section 2); and upgrading of the rail and other affected road and public utility infrastructure, which are all covered by the 2nd building permit.

The Action will contribute to the following general objectives:

- increase the railway capacity on the section;
- ensure compliance with the applicable technical specifications for interoperability (TSI);
- increase the track speed from 40 km/h to 60 km/h and reduce travel times.

The Action is closely linked to the future investments, more specifically the "Upgrade and extension of the railway station Prague Masaryk Station" (currently in preparation; start of implementation planned for 2022) and "Upgrade of the Prague Bubny (including) – Prague Exhibition Grounds (including) line" (currently in preparation; start of implementation planned for 2022).

The upgraded rail infrastructure pertaining to the "Negrelli Viaduct" will be in line with EU requirements for the rail core network as set by Regulation (EU) No 1315/2013, namely: nominal track gauge of 1.435 mm; 22.5 t - axle load; the possibility of running freight trains with a length of 740 m.

Project management will be ensured by the beneficiary on its own expenses within the established management structure for implementation of EU funded projects. The Action therefore does not include a specific project management activity.

The fulfilment of EU environmental law, in particular, the provisions of Directive 2011/92/EU on the assessment of the effects of certain public and private projects on the environment, Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment, Directive 2009/147/EC on the conservation of wild birds, Directive 92/43/EEC on the conservation of natural habitats and of wild flora and fauna, Directive 2000/60/EC establishing a framework for community policy in the field of water, is a pre-condition for the disbursement of EU financial aid to the Action. The compulsory assessments must be duly completed and approved by the competent authorities according to national law and in line with requirements of relevant EU legislation, before the start of the physical intervention. If this information is not provided or is not positively assessed by the Commission services, the Agency may suspend, reduce, recover or terminate financial assistance in accordance with articles II.15, II.16, II.24.5 and II.25.4.

ARTICLE I.4 – ACTIVITIES

I.4.1 Activities timetable

Activity number	Activity title	Indicative start date	Indicative end date	Milestone number
1	Preparatory works -Part 1	30/03/2017	30/06/2020	1, 3, 4
2	Preparatory works -Part 2	30/03/2017	30/06/2020	1, 2, 5, 6, 7
3	Reconstruction of bridges -Part 1	01/05/2017	30/11/2020	8, 9, 10

4	Reconstruction of bridges - Part 2	01/05/2017	30/11/2020	11, 12, 13, 14
5	Upgrading of the rail and other affected infrastructure - Part 1 and 2	01/05/2017	30/06/2020	15, 16
6	Supervision and surveys	30/03/2017	30/09/2021	17, 18, 19, 20, 21

I.4.2 Activities description

Activity 1: Preparatory works - Part 1

This activity covers preparatory works on the sub-section between km 410.804 km and km 411.791 of Section 1, in a total length of 0,987 km. The preparatory works will be carried out at 8 bridges located at km 410.884; 410.963; 411.010; 411.136; 411.273; 411.419; 411.594 and 411.688 with a total of 61 arches, including the demolition of extensions and some non-bridge related structures (such as garages, warehouses and other structures located on the "Nègrelli Viaduct"), temporary relocation of public utility infrastructure (such as the national power grid, radio communications network) to enable access to the bridge foundations during construction, and strengthening of bridge foundations.

Sub-activity 1.1: Part 1 – Demolition of extensions and non-bridge related structures in Karlín and Holešovice (1st phase)

This sub-activity covers the demolition of 2 extensions and 18 non-bridge related structures on the "Negrelli Viaduct" in Karlín and Holešovice between km 410.804 and km 411.653, which will allow temporary relocation of public utility infrastructure and preparatory works on bridges in Karlín and Holešovice (covered by the building permit for Part 1). The objective of this sub-activity is to allow access to the arches of all the concerned bridges.

Sub-activity 1.2: Part 1 – Relocation of the public utility infrastructure in Karlín and Holešovice (1st phase)

This sub-activity covers temporary relocation of public utility infrastructure between km 410.804 and km 411.791, which will allow preparatory works on bridges in Karlín and Holešovice (covered by the building permit for Part 1).

Sub-activity 1.3: Part 1 – Strengthening the foundations in Karlín and Holešovice (1st phase)

This sub-activity covers excavations and strengthening of foundations of 7 bridges between km 410.804 km and km 411.653 km (covered by the building permit for Part 1).

Deliverables:

- Completed demolitions in Karlín and Holešovice (1st phase) covered by Part 1
- Completed relocation of the public utility infrastructure in Karlín and Holešovice (1st phase) covered by Part 1
- Completed strengthening of bridge foundations in Karlín and Holešovice (1st phase) covered by Part 1

Activity 2: Preparatory works - Part 2

This activity covers preparatory works on the sub-section between km 410.512 and km



410.804 of Section 1 and the sub-section between km 0.063 and km 0.565 of Section 2, in a total length of 0,794 km. The preparatory works will be carried out at 7 bridges located at km 0.317; 0.370; 0.426; 0.495; 410.568; 410.700 and 410.800 with a total of 39 arches, including the demolition of extensions and non-bridge related structures (such as garages, warehouses and other structures on the "Negrelli Viaduct"), temporary relocations of public utility infrastructure (such as the national power grid, radio communications network) to enable access to the bridge foundations during construction, preparatory works in the area of the Praha-Florenc bus terminal (such as preparation of temporary pavements and shelters), and strengthening the bridge foundations.

Sub-activity 2.1: Part 2 – Demolition of extensions and non-bridge related structures in Karlín and Holešovice (2nd phase)

This sub-activity covers the demolition of 2 extensions and 36 non-bridge related structures on the "Negrelli Viaduct" between km 410.512 and km 410.804 of Section 1 and between km 0.063 and km 0.565 of Section 2, which will allow temporary relocation of public utility infrastructure and preparatory works on bridges in Karlín and Holešovice (covered by the building permit for Part 2). The objective of this sub-activity is to allow access necessary for further works.

Sub-activity 2.2: Part 2 – Relocation of the public utility infrastructure in Karlín (2nd phase)

This sub-activity covers the temporary relocation of public utility infrastructure between km 410.512 and km 410.804 of Section 1 and between km 0.063 and km 0.565 of Section 2, which will allow carrying out preparatory works on bridges in Karlín (covered by the building permit for Part 2).

Sub-activity 2.3: Part 2 – Strengthening the foundations in Karlín (2nd phase)

This sub-activity consists of excavations and strengthening of foundations of 7 bridges between km 410.548 and km 410.804 of Section 1 and between km 0.287 and km 0.565 of Section 2 (covered by the building permit for Part 2).

Sub-activity 2.4: Part 2 – Demolition of extensions in the area of Praha-Florenc Bus Terminal

This sub-activity covers demolition of 2 bridge extensions between km 410.548 and km 410.773 of Section 1 and between km 0.454 and km 0.565 of Section 2, which will allow carrying out temporary relocations of engineering networks and preparatory works on bridges in the Praha-Florenc Bus Terminal (covered by the building permit for Part 2).

Sub-activity 2.5: Part 2 – Preparatory works in the area of Praha-Florenc Bus Terminal

This sub-activity covers preparatory works such as temporary relocation of public utility infrastructure, preparation of temporary pavements and shelters between km 410.548 and km 410.773 of Section 1 and between km 0.454 and km 0.565 of Section 2, in the area of Praha-Florenc Bus Terminal (covered by the building permit for Part 2).

Sub-activity 2.6: Environmental verification

A competent environmental authority will verify whether there have been any changes to the Action which may have a significant effect on the environment since the screening conclusion, determining whether an environmental impact assessment is needed or not. The conclusions of the above verification shall be reflected within the final decision/permit.

Deliverables:

- Completed demolitions in Karlín and Holešovice (2nd phase), and in the area of

Praha-Florenc Bus Terminal, covered in Part 2

- Completed relocation of the public utility infrastructure in Karlín (2nd phase) covered by Part 2
- Completed strengthening the foundations in Karlín (2nd phase) covered by Part 2
- Completed preparatory works in the area of Praha-Florenc Bus Terminal covered by Part 2
- Completed environmental verification for Part 2 by the competent authority

Activity 3: Reconstruction of bridges - Part 1

The activity covers the reconstruction of 8 bridges with a total of 61 arches between km 410.804 and km 411.711 of Section 1 at Prvního pluku Street and over the Vltava River, in a total length of 0,907 km. The activity covers also arches surface works (visual unification and anti-graffiti protection).

Sub-activity 3.1: Bridges at Prvního pluku Street

This sub-activity covers the reconstruction of 4 bridges located at km 410.884, 410.963, 411.010 and 411.136 including the removal of arches and their replacement according to the requirements of cultural heritage preservation authorities.

Sub-activity 3.2: Bridges over Vltava River

This sub-activity covers the reconstruction of 4 bridges located at km 411.273, 411.419, 411.594 and 411.688 including the removal of arches and their replacement according to the requirements of cultural heritage preservation authorities.

Deliverables:

- Completed reconstruction of 4 bridges at Prvního pluku Street covered by Part 1
- Completed reconstruction of 4 bridges over Vltava River covered by Part 1

Activity 4: Reconstruction of bridges - Part 2

The activity covers the reconstruction of 7 bridges with a total of 39 arches: 3 bridges at Malého Street, 3 bridges at the Praha-Florenc Bus Terminal and 1 bridge over Křížikova street, located between km 410.548 and km 410.804 of Section 1 and between km 0.287 and km 0.565 of Section 2, in a total length of 0,534 km. The activity covers also arches surface works (visual unification and anti-graffiti protection).

Sub-activity 4.1: Bridges at Malého Street

This sub-activity covers the reconstruction of 3 bridges located at km 0.311, 0.370 and 0.426, including the removal of arches and their replacement according to the requirements of cultural heritage preservation authorities.

Sub-activity 4.2: Bridges at Praha-Florenc Bus Terminal

This sub-activity will be carried out on 3 bridges located at km 410.568 and 410.700 of Section 1 and at km 0.495 of Section 2. It covers the reconstruction of bridges, removal of arches and their replacement according to the requirements of cultural heritage preservation authorities.

Sub-activity 4.3: Bridge over Křížikova Street

This sub-activity will be carried out at the bridge over Křížikova Street located at km 410.800

(between km 410.773 and km 410.804 of Section 1 and between km 0.540 and km 0.565 of Section 2 where the two sections connect) and it covers the removal of 2 existing bridges over Křížkova Street and Prvního Pluku Street and its replacement with a new bridge with a reinforced concrete frame (Křížkova Street) and steel frame (Prvního Pluku Street).

Deliverables:

- Completed reconstruction of 3 bridges at Malého Street covered by Part 2
- Completed reconstruction of 3 bridges at Praha-Florenc Bus Terminal covered by Part 2
- Completed construction of 1 new bridge over Křížkova Street covered by Part 2

Activity 5: Upgrading of the rail and other affected infrastructure - Part 1 and 2

The activity covers the reconstruction of the rail yard and related technological elements (catenary, interlocking, signalling and communication system) as well as the rehabilitation of the affected adjacent roads and public utility infrastructure (such as water and sewer connections, drainage of bridges and sidewalks). The works will take place on all 15 bridges between km 410.467 and 411.791 of Section 1, and between km 0.063 and km 0.565 and between km 410.467 and km 410.804 of Section 2.

Sub-activity 5.1: Works related to rail infrastructure – Part 1

This sub-activity covers the reconstruction of substructure and superstructure, catenary, interlocking, signalling and communication system between km 410.804 and km 411.791 of Section 1.

Sub-activity 5.2: Works related to rail infrastructure – Part 2

This sub-activity covers the reconstruction of substructure and superstructure, catenary, interlocking, signalling and communication system between km 410.467 (borderline of the existing Action “Reconstruction of Negrelli Viaduct” with the future planned investment “Upgrade and extension of the railway station Prague Masaryk Station”) and km 410.804 of Section 1, and between km 0.063 and km 0.565 of Section 2, where the two sections connect. It also entails the connection of interlocking equipment with Control - Command Praha Centre and necessary upgrades in the Control - Command Praha Centre.

Sub-activity 5.3: Works related to roads and public utility infrastructure – Part 1

This sub-activity covers the rehabilitation of adjacent roads and public utility infrastructure (such as water and sewer connections, drainage of bridges and sidewalks) between km 410.804 and km 411.791 of Section 1.

Sub-activity 5.4: Works related to roads and public utility infrastructure – Part 2

This sub-activity covers the rehabilitation of adjacent roads and public utility infrastructure (such as water and sewer connections, drainage of bridges and sidewalks) between km 410.467 and km 410.804 of Section 1, and between km 0.063 and km 0.565 of Section 2.

Deliverables:

- Completed rail infrastructure covered by Part 1
- Completed rail infrastructure covered by Part 2
- Completed roads and public utility infrastructure covered by Part 1
- Completed roads and public utility infrastructure covered by Part 2

Activity 6: Supervision and surveys

The activity covers supervisory services necessary to ensure compliance of the construction works with the relevant technical and legal requirements and standards and successful implementation of activities 1-5. The Activity consists of supervision and surveys arising from the relevant legislation and heritage protection requirements.

Sub-activity 6.1: Health and safety supervision

This sub-activity covers the supervision of health and safety measures put in place during construction works, as required by the national legislation. It will be performed by a specialist selected through the public procurement.

Sub-activity 6.2: Geotechnical survey

This sub-activity covers the geotechnical supervision of demolition works, laboratory testing of building materials and issuance of mandatory opinions and recommendations during construction works. It will be performed by a specialist selected through the public procurement.

Sub-activity 6.3: Pyrotechnical supervision

This sub-activity covers pyrotechnical monitoring and checks of construction site before and during construction works. It is necessary due to the character of the construction site which was subject to heavy bombing during the second world war. It will be performed by a specialist selected through the public procurement.

Sub-activity 6.4: Survey of all masonry elements

This sub-activity addresses the diagnosis of the mechanical and durability properties of all masonry elements that could not be acquired during the preparatory works, before the start of the construction. Based on the outcomes of this survey, the rehabilitation or replacement needs for all masonry elements will be determined. It will be performed by a specialist selected through the public procurement. The consultant shall be in no contractual relationship with the construction works in order to avoid potential conflict of interest.

Sub-activity 6.5: Final documentation preparation

This sub-activity covers the elaboration of the final project documentation, which covers in detail and summarises all tasks, activities and procedures performed during the (re)construction works. This document defines the final state and technical parameters of the completed works. It will be elaborated by the contractor responsible for the execution of construction works.

Deliverables:

- Health and safety supervision - final report
- Geotechnical survey - final report
- Pyrotechnical supervision - final report
- Survey of all masonry elements - final report
- Final documentation preparation completed

ARTICLE 1.5 – MILESTONES AND MEANS OF VERIFICATION

Milestone number	Milestone description	Indicative completion	Means of verification
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		date	
1	Works contract signed	30/03/2017	Copy of the contract
2	Environmental verification for Part 2 by the competent authority completed	19/05/2017	Copy of the building permit (Part 2)
3	Extensions and non-original structures covered under Part 1 demolished	25/10/2017	Building log entry
4	Preparatory works on bridges covered under Part 1 completed	30/06/2020	Building log entry
5	Extensions and non-original structures covered under Part 2 demolished	30/10/2017	Building log entry
6	Extensions at Florenc Bus Terminal under Part 2 demolished	23/02/2018	Building log entry
7	Preparatory works on bridges covered under Part 2 completed	30/06/2020	Building log entry
8	Reconstruction of bridge at km 411.136 covered under Part 1 completed	30/11/2020	Building log entry
9	Reconstruction of bridges at Prvního pluku Street completed	30/11/2020	Handover protocol
10	Reconstruction of bridges over Vltava River completed	30/11/2020	Handover protocol
11	Removal of bridge at km 410.800 covered under Part 2 completed	07/05/2018	Building log entry
12	Reconstruction of bridges at Florenc Bus Terminal completed	30/11/2020	Handover protocol
13	Reconstruction of bridge over Krizkova Street completed	30/11/2020	Handover protocol
14	Reconstruction of bridges at Malého Street completed	30/11/2020	Handover protocol
15	Upgrading of the rail and other affected infrastructure-Part 1 completed	30/06/2020	Handover protocol
16	Upgrading of the rail and other affected infrastructure-Part 2 completed	30/06/2020	Handover protocol
17	Health and safety supervision completed	31/03/2021	Final report
18	Geotechnical survey completed	31/03/2021	Final report
19	Pyrotechnical supervision completed	31/03/2021	Final report
20	Survey of all masonry elements completed	31/03/2020	Final report
21	Final documentation preparation completed	30/09/2021	Handover protocol

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Agreement number: INEA/CEF/TRAN/M2015/1138924 Modif. no 3 Amend. no 3
 Action number: 2015-CZ-TM-0214-W

(5) Table 2 of Annex III "Estimated budget of the Action" is replaced by the following table:

Table 2: Indicative breakdown per activity of estimated eligible costs of the action (EUR)

Activities	2017	2018	2019	2020	2021	Total
ELIGIBLE DIRECT COSTS						
Activity 1	2,504,997	1,631,304	834,507	331,927	0	5,302,735
Activity 2	1,038,856	1,498,745	1,654,271	223,041	0	4,414,913
Activity 3	391,920	6,878,784	5,948,979	2,173,848	0	15,393,531
Activity 4	475,973	381,098	5,480,363	1,912,039	0	8,249,473
Activity 5	1,138,437	387,340	3,289,719	7,455,301	0	12,270,797
Activity 6	214,171	739,992	207,071	178,527	461,761	1,801,522
TOTAL ELIGIBLE DIRECT COSTS	5,764,354	11,517,263	17,414,910	12,274,683	461,761	47,432,971
Annual instalments of maximum CEF contribution	13,351,777.29	0	13,454,759.47	9,483,420.09	356,756.55	36,646,713.39

"

Article 2

All the other provisions of the grant agreement shall remain unchanged.

Article 3

The present amendment shall form an integral part of the grant agreement into force on the date on which it is signed by the last party. It shall enter into force.

SIGNATURES

For the beneficiary organization
Mojmir Nejezchleb
Správa železnic, státní

For the Agency
Andreas Boschen

Done at Praha, on

18-03-2020

In duplicate in English.



Done at Brussels, on

17 AVR. 2020

Ověřovací doložka změny datového formátu dokumentu podle § 69a zákona č. 499/2004 Sb.

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