

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

Description of the activities' progress in the previous reporting period

a) Actual progress of the activities in relation to the forecast

ACTIVITY 4- EXPLORATORY ACTIVITIES OF THE SAINT-MARTIN-LA-PORTE ACCESS TUNNELS

Work on the SMP4 exploratory tunnel was finished in 2022 with the completion of conventional excavations in the coal face using the conventional method and the construction of concrete blocking rings to ensure the medium-term stability of the structure.

The construction site installations were taken down in September 2022 and acceptance of the work was notified. The areas and structures were transferred to the group of companies responsible for the 6/7 operational construction site contract at the beginning of October 2022.

The administrative and financial closure of the contract will continue in [REDACTED]

Activity 7- RELEASE OF THE LAND ACQUIRED FOR PUBLIC PURPOSES AND DEMOLITION

A/Demolitions and land preparation -in France

At the beginning of 2022, phase 4 of the demolition work was launched with the diagnostics of asbestos and lead, followed by waste. The intervention reports enabled the project manager to start the executive phase and to draw up the specifications necessary for the publication of the "Phase 4 demolition" works contract. During the executive phase, TELT decided to add to this contract the decontamination of a site classified as ICPE* (a former car scrapyards, which, due to its activity, could pollute the soil through the infiltration of hydrocarbons and other polluting substances from the cars stored in the site) to be able to hand it over to [REDACTED] free of any pollution in [REDACTED]. The contract was therefore transformed into a "Demolition + decontamination phase 4".

The contract was published in July 2022 and 5 groups of companies responded and submitted a bid. The analysis led to two successive negotiation phases, with a consequent modification of the execution programme, updated with the postponement of the date by which the [REDACTED] buildings will have to be vacated to [REDACTED]. The contract was finally awarded in February 2023 to the [REDACTED] and [REDACTED] consortium. The service order to launch the activities will be notified at the end of February 2023.

**Installation Classée pour l'Environnement (Environmental Protection Installations)*

B/ Demolitions and land preparation -in Italy

The activities carried out by the [REDACTED] [REDACTED] [REDACTED] to prepare the land for the construction sites have been completed. These activities, necessary for regulatory purposes for the preparation of the construction sites in the municipalities of Chiomonte, Giaglione and Salbertrand, consisted of design, construction, compensation and transformation of wooded areas.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

ACTIVITY 8 - UTILITIES DIVERSIONS IN FRANCE

→ In 2022, the main agreements and work related to network diversions concerned the followings :

- █████ agreement, dam sector in Villargondran
- █████ agreement in Saint Julien Montdenis
- █████ agreement to transfer the Anciennes Resses transformation station in order to install the store in Resses
- █████ labour agreement, partial modification of the 42 kV ARVAN - LE CORBIER - LONGEFAN - Saint JEAN DE MAURIENNE line in Chaudannes, in Saint Jean de Maurienne
- Two amendments to labour agreements: █████ in Saint Jean de Maurienne and █████ for the 63 kV Aussois Terres Froides line.

In 2022, four utility diversion agreements and two amendments were signed for a total amount of €2,598,206.

ACTIVITY 9 - UTILITIES DIVERSIONS IN ITALY

→ In 2022, both contractual and operational activities were carried out through the implementation of some utility diversions, pursuant to CIPE Resolutions 19/2015, 30 and 39/2018, financed in Construction Lot 1, in accordance with CIPE Resolution 67/2018.

In particular, works for the utility diversions involving the NLTL project were launched with █████ █████ and █████ for interference with electric, telephone/optical fiber networks, aqueducts and sewers.

█████ █████ launched, through a specific site inspection, the activities for the last utility diversion in the 03/04 construction site concerning a low voltage electrical line in Regione Colombara.

Negotiations are underway with █████ █████ for the utility diversion concerning the methane gas distribution network in the municipalities of San Didero and Bruzolo and related to the New Car and Truck Terminal, following the waiver presented by the Aqueduct operator, █████ to implement the intervention planned in 2021, which in fact would have diverted the utility related to the gas pipe. We will therefore proceed to verify with █████ the persistence of the utility diversion in question. The activities carried out by the █████ █████ █████ to compensate for the wooded areas transformed by the construction site in the Municipalities of Chiomonte, Giaglione and Salbertrand have been completed.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

ACTIVITY 10- CHIOMONTE INTERCHANGE

In June 2022, the new Bailey bridge over the Clarea torrent was completed: the relative static test certificate was issued on 17/06/2022. The completion of the works allowed the temporary road bridge to be decommissioned and removed.

On 15/07/2022, all the areas required for the construction of the New Chiomonte Junction were delivered to [REDACTED] for which on 28/09/2022, the Preliminary Agreement to the Addendum to the Agreement of 30/12/2019 containing the economic framework of the updated project was signed between [REDACTED] and Telt.

Given the Mutual Resolution Act between [REDACTED] and [REDACTED] of 27/06/2022, the contract for carrying out the construction works for the New Junction was signed between [REDACTED] and [REDACTED] on 16/11/2022.

The Telt-[REDACTED] addendum referred to in the previous point was signed on 22/12/2022. On the same date, the works were handed over to [REDACTED] with a contract duration of [REDACTED] calendar and consecutive days and therefore setting [REDACTED] as the date for the completion of the works for the New Chiomonte Junction.

ACTIVITY 11- OUTDOOR WORKS ITALY : NEW AUTOPORT (CONVENTION [REDACTED] – O.W. 2C

In 2022, [REDACTED] the delegated project manager for the construction of the car and truck terminal, carried out the following main works:

- Completion of fencing
- Demolition of existing buildings
- Cleaning of the entire area and tree removal
- Beginning of embankment construction

ACTIVITY 12- RELOCATION OF [REDACTED] "safe driving » track"

Firstly, it should be noted that CIPE Resolution 19/2015 approving the Definitive Plan of the part in the Italian territory, contains, in particular:

- article 3, which provides: "Pursuant to and for the purposes of art. 167, paragraphs 6,7 and 7bis of legislative decree no. 163/2006, in line with opinion no. 1674 of 12 December 2014 of the Environmental Impact Appraisal Technical Committee - EIA and SEA, of the Ministry for the Environment, Land and Sea, mentioned in the introduction, the design of the variant is prepared for: the "Centre for safe driving"..."

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

- requirement no. 27, which establishes: “Submit a new project, pursuant to Art. 167 of legislative decree 163/2006, because of the interference of the Safe Driving Centre envisaged in the Municipality of Avigliana, relocating it elsewhere in order to improve its environmental, landscape and socio-territorial integration”
- requirement no. 132, which establishes: “Reiterating what was already requested with note 1911/DB12.06 of 11 April 2014, it is requested that additional alternative locations be examined for the Safe Driving Centre and in particular, the possibility of locating it to the Municipality of Buttigliera Alta (TO). This solution is integrated with the proposal of moving just the motorcycle track to Cesana Torinese (TO), while keeping the functions necessary for carrying out ██████████ business unchanged. It should be remembered that, with DGC (Municipality executive committee resolution) no. 63 of 23 April 2014, a memorandum of understanding was approved by the Municipality of Buttigliera Alta in which the Municipality also expressed its willingness to consider this possibility....”.

It should be noted that on 25 October 2019, the Municipality of Cesana Torinese, with executive committee resolution no. 47 formalized its refusal to make an unsolicited application for only the motorcycle track to be relocated.

The following activities were carried out in 2022 regarding the project for relocating the Safe Driving Centre:

- on 31 January 2022, TELT submitted the application to start the Implementation Verification procedure pursuant to Art. 216, paragraph 1-bis and paragraph 27 of Legislative Decree 50/2016 and Art. 185 paragraphs 6 and 7 of Legislative Decree 163/2006 regarding Construction Site Executive Project Phase 1 (Municipalities of Chiomonte, Giaglione, Salbertrand, Susa and the Technical Area in Torrazza Piemonte) Construction lot No. 1 and the Plan for Handling Excavated Material for the Italian part of the Cross-border Section (including the update to the LUP in line with the prescriptive framework), which provides for the Safe Driving Centre to be occupied in advance of the time schedule of the approved Variant Project,
- EP Phase 1 received positive feedback in the Implementation Verification procedure phase with Opinions of the ████████ Opinion ██████████ of 23 June 2022, and ████████ Opinion ██████████ of 27 September 2022, defining the need for an agreement with ██████████ for relocation to Buttigliera Alta, not at the same time as the occupation of the Susa Safe Driving Centre
- on 1st February 2022, ██████████ delivered the definitive plan of the variant to TELT with the relocation of the Motor Oasi Safe Driving Centre only to the Municipality of Buttigliera Alta, according to the observations made by TELT
- on 15 February 2022, CIPESS, with Resolution No. 3/2022, published in the Official Gazette No. 65 of 18 March 2022, approved the modifications to Construction lots No. 3, 4 and 5, and authorized Construction lot No. 4 pursuant to law no. 191 of 23 December 2009, Art. 2, paragraph 232, letters

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

"B" and "C" and paragraph 233, in which the relocation of the Centre was financed, giving TELT the opportunity to send the Definitive Plan of the Variant to the Administrations

- following TELT's request, on 1st June 2022, ██████ delivered the bill of quantities for the definitive plan, updated to the Piedmont Region 2022 price list (March edition), to TELT
- following a further update of the OO.PP. price list, on 14 November 2022, ██████ delivered a revision of the financial documents regarding the definitive plan to TELT, updated to the Piedmont Region 2022 price list (July edition)
- on 21 December 2022, TELT initiated the procedures for starting the Environmental Impact Assessment and the Declaration of Public Utility, pursuant to articles 167, 183 and 185 of Legislative Decree 163/2006, with specific notices published in national newspapers (Corriere) and Local newspapers (La Stampa) and submitted the Definitive Plan to the competent bodies.

ACTIVITY 14- ELECTRIC CONNECTION SUSA-VENAUS

→In 2022, the activities related to the procedures for the power supply of the construction sites, which were necessary to comply with the general work programme, progressed and specifically the following activities were carried out:

- Power supply of construction site 03/04: preliminary meetings were organized for the connection of the 132kV ██████ HV power line and for the construction of the power substation within the construction site area already available for this activity. The connection request aims at the availability of 22MW to power the TBMs for the mechanical excavation of the base tunnel, in addition to the 7MW already available today. In 2023, the authorisation process will begin at the Ministry of Economic Development for the modification of the national electricity grid, in order to allow the replacement of the power line support useful for the temporary diversion
- Power supply of construction site 10: negotiations are underway to request a connection for both Salbertrand and Torrazza Piemonte sites

Requests for connection of construction sites in Italy cannot be subject of agreements but follow a procedure dictated by the Italian Regulatory Authority for Energy, Networks and Environment (ARERA).

ACTIVITY 15- AVRIEUX SHAFTS

On the Avrieux platform (CO-05a), deep injections (about 130 m) into the surface part of the ventilation shafts were completed in September.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

The boring of the first 2 pilot holes started in early October and ended in November. The 1st boring and the excavation of the 3rd pilot hole started in December.

Work to lower the invert of the slope was completed underground in April/May.

The excavation of Part 2 was completed underground in September for a total of:

- Connecting gallery: 304 lm
- Ventilation gallery: 345 lm
- Smoke extraction shaft head: 113 lm
- Chamber at the foot of the shaft: 28 lm

Work on Part 3 continues for a total of:

- Technical cavern: 194 ll (cap)
- Logistics cavern: 159 lm
- Logistics connecting cavern: 55 lm
- Intertube gallery 46 lm
- Intersection cavern: 206 lm

From December, excavated materials were deposited on the Tierces site.

ACTIVITY 16- OUTDOOR WORKS FRANCE : VILLARD CLÉMENT CUT AND COVER

As for the activity 16, the works have been completed (30 November 2021).

The account settlement has not been issued.

The completion guarantee has been extended.

ACTIVITY 17- ELECTRIC CONNECTION FOR FRENCH WORKSITES

In 2022, an agreement for the “power supply of the construction sites” was signed in order to comply with the general program:

- Agreement between TELT and ██████ to connect the to the power supply network the conveyor belts between Saint Martin la Porte and Les Resses in the municipality of Villargondran, for a total power of 19.7 MW

In 2022, one agreement for the energy supply was signed for a rounded amount of €1,602,994.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

ACTIVITY 21- BASE TUNNEL : MADDALENA-SUSA (O.W.3-4)

The authorization opinions (by [REDACTED] and [REDACTED] respectively) pertaining to the 1st Phase of the Executive Design were issued on 06/23/2022 and 09/28/2022.

13 June 2022: presentation of the proposals for the base tunnel construction in Italy

September: 1st negotiation

November: 2nd negotiation.

ACTIVITY 22- BASE TUNNEL : MADDALENA AND AND CHIOMONTE INTERCHANGE : MADDALENA INTERCONNECTING NICHES (O.W.4A)

At the end of December 2022, the excavation of 11 out of the 22 planned niches was completed and work continues on the road surface.

The cumulative total excavation completed for the niches is 439 linear metres (54% of the 824 lm to be built) while for the road surface the progress was 4,980 m for the concrete platform (71% of the 7,020 m to be built) and 6,265 m for the drainage system (90% of the 7,020 m to be built).

Currently four purchase orders have been issued:

- Purchase order n. 1 for an amount of €292,000.00
- Purchase order n. 2 for an amount of €3,609,211.63
- Purchase order n. 3 for an amount of €24,623,548.03
- Purchase order n. 4 for an amount of €5,883,708,15.

The total work progress as at 31/12/2022 corresponds to €18,502,740.23 (54% of the total €34,408,467.81 of the four purchase orders issued).

ACTIVITY 23- BASE TUNNEL MODANE AND MADDALENA (O.W.5)

The tender for the construction of the Modane-Maddalena base tunnel was awarded to a group of companies in September 2021.

The executive design work started on 21 July 2022. After the first conception phase, the order for 2 TBMs was notified to the constructors, in compliance with the contractual commitments.

The €1.6 billion contract includes, in particular, the excavation of the twin-tube tunnel, the construction of the Modane safety area, the connection branches and the niches.

In total, 2 x 18 km of tunnels will be excavated with a gripper TBM designed for hard rocks and 15 km of underground installations of various sections will be built using traditional methods.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

ACTIVITY 24 – BASE TUNNEL LA PRAZ-MODANE

The work to widen the niches of the La Praz access adit has been completed. Work has begun in the access adit final section in order to achieve the final gauge of the structure. The areas were prepared, in particular with the construction of a noise barrier to the west and with the widening of the Departmental Road to the south in order to secure access to the construction site.

Construction site installations were set up, such as the assembly of the tower crane, the pits to receive the excavation materials and the main sheds.

ACTIVITY 25 – BASE TUNNEL SAINT-MARTIN-LA-PORTE - LA PRAZ

The group of companies took possession of the site in early October. The digging excavations were started in order to create the construction site installations. The tower crane was erected. The external conveyor belt was dismantled and it will be replaced later by a more efficient set of conveyors. Preparatory excavation work was carried out underground at the level of the niches of the access tunnel.

ACTIVITY 26- SAINT-JULIEN-MONTDENIS (WEST ENTRANCE) - SMP

The lot 3 concerns the operational construction site 8 (CO 08): tunnel construction work from the Villard-Clément portal attacks.

Work began in the winter of 2021 and the underground entrance was reached on 5 December 2022.

In Saint Julien Montdenis, all the installations have been installed, enabling the companies to start excavating the entrance to the Mont Cenis base tunnel in December 2022.

The excavated materials deriving from the underground construction site are currently transported by road to TELT's reuse sites. They will then be mechanically removed from the construction site to the Resses site in the municipality of Villargondran using a conveyor belt. One part of the conveyor belt was assembled above the railway tracks on 29 October 2022. In this construction site, the two tubes of the Mont-Cenis base tunnel will be excavated for 2.8 km each using the traditional method of blasting and jack hammers from Saint-Julie-Montdenis to the foot of the Saint-Martin-la-Porte access tunnel.

ACTIVITY 27 AND ACTIVITY 28- OUTDOOR WORKS FRANCE : SAINT-JEAN-DE-MAURIENNE (TELT AND

[REDACTED]

A/ C09B [REDACTED]

The activities carried out under phase 1 and phase 2 anticipated and started in previous years continued in 2022 with the goals of moving all existing functionalities related to the National Railway

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

Network to the Saint Jean de Maurienne basin and to restore road links outside the route to be taken by the future New Line.

These activities consisted of some twenty works contracts in 2022 on the Saint Avre, Hermillon, Saint Jean de Maurienne and Villargondran sites. The main ones were:

- PAI (Computerised Point Answering Station) equipment for Saint Avre, SJM and Hermillon (████████████████████)
- Saint Avre service tracks development work (████████████████████)
- Hermillon and Saint Jean de Maurienne overhead line work (██)
- Gypsum loading facility in Hermillon (████████████████████)
- Temporary hub work (multimodal exchange hub) (████████████████████)
- Work on roads and other networks in the west Arvan zone (████████████████████)
- Telecommunications (████████████████████)
- Civil Engineering Cable Artery (████████████████████)
- SJM Sub-station (████████████████████)
- Work on roads and other networks in the Amoudan east Arvan zone (████████████████████)
- Rail intersection structure (████████████████████)
- Works base (████████████████████)

→Concerning the main works :

- West Arvan and Amoudon road works were completed in early 2022.
- The temporary hub (multimodal exchange hub) was commissioned in June 2022 and is fully operational.
- The rail intersection tunnel is completed.
- The sub-stations are connected to the electric grid.
- Works base is well advanced.

B/ CO9c International Railway Station, Junction RD906

- For work for which TELT is the project owner in the western zone:
- The RD906 junction serving the railway station sector and the works base was opened to traffic in May 2022.
- Concerning the International Railway Station: The project management group conducted a first phase of consultation and gathered the needs expressed before launching the executive project.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

- The call for tenders for the latest demolition work (phase 4) was finalized to allow for the launch of the latest demolition phase in SJM (phase 4) in February 2023.

ACTIVITY 29- TRIMET AND VILLARGONDRAN DAMS

The works have been completed (lot 1 and lot 2).

The contract for the lot 1 has been settled.

The lot 2 is in its account settlement and completion guarantee phase.

ACTIVITY 30- ARC BRIDGE CONSTRUCTION

• Construction site 9e –Arc River viaduct

Designation of the project management group of companies in September 2022, validation of the architectural design by TELT management in November 2022 and delivery of the first documents of the draft design project in December 2022.

ACTIVITY 31- MANAGEMENT OF EXCAVATED MATERIALS - ITALY

→The main activities carried out during 2022 are as follows:

- The tender analysis has started for the 'Removal of waste from areas C and D' in Salbertrand (T20). The deadline for submission of tenders has been set as 04/04/2022. The tender procedure is proceeding correctly.
- The tender analysis has started for the main works of CO10 (T13 lot 2). The deadline for submission of tenders has been set as 23/05/2022. The tender procedure is proceeding correctly.
- The Executive Project, including the Land Use Plan, has been approved during the implementation verification in compliance with CIPE Resolution 39/2018.
- Waste removal continued in area A of Salbertrand with the start of work on area 9B, which indicated the presence of asbestos-containing artefacts. The work was completed on 16/09/2022 in full compliance with the expected times and costs. Environmental investigations to analyse the soils beneath the heaps were also completed.
- On 01/07/2021, the request for connection to the national railway infrastructure (DICC) was sent for the Torrazza railway junction. With a letter dated 24/11/2021, ■■■ requested an in-depth evaluation of the project, which was prepared during 2022.
- Following the submission of the Torrazza Executive Project for implementation verification, the supplementary technical documents for the landscape authorization application were prepared and sent, as per the request of the ■■■■■■■■■■ of 14/09/2022. The final opinion is awaited.

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

ACTIVITY 32- MANAGEMENT OF EXCAVATED MATERIALS IN FRANCE

A/ Saint Antoine Bridge: the first part of the reprofiling of the Saint Antoine riverbed has been completed. The temporary bridge has been installed and traffic has been diverted. The existing bridge has been demolished.

B/ T10 Lot 2: Modane By Pass Road

The contract was awarded on 06/04/22 for an amount of €8,833,859.92 excluding VAT.

After 4 months of preparation, work began with the equipment of the [REDACTED] installations for the crossover of the Saint-Antoine railway tunnel head. Subsequently, the digging excavations began (excavation and backfilling) up to the upper part of the earthworks. The subgrade was not prepared due to winter conditions. At the same time, the digging excavation of the soil-nailed walls began.

ACTIVITY 33- ENGINEERING AND OTHER COSTS NOT INCLUDED IN OTHER OW

TELT, through an Engineering Assistance Contract with a group of leading technical companies ([REDACTED]), ensures some important general technical activities and the support in the operating fields activities, not included in the engineering activities and services of the Supervision Works. This is done for the control of the engineering activities of Contractor finalized to the production of the detail design.

→ **The main activities done by TELT in 2022** were:

- External control of the Tender design (DCE) of the Contract CO11 (construction site). These activities are still ongoing since the previous year.
- Feasibility study for the immersion into the natural environment of the waters coming from the base tunnel on the France side (activities in progress since the previous year).
- Update of the environmental impact study on the French side following the concerns of the administrations (in progress since the previous year)
- Assistance to the Operational sites on the French side CO5a; CO6/07; CO08 for the conformity control of the executive studies and follow-up of the works, finalized to guaranteeing compliance with the functionality and the need for homogeneity between different lots and maintainability of the work.
- Assistance to Operational sites CO06/07 and CO08 for the implementation of the BIM specifications of the detail design and works with a view to ensuring the homogeneity of the BIM protocols between different sites in the different EXE/DOE phases.
- Drafting of the documents (design and specifications) of the CO12 Tender Design (DCE) and supporting technical and financial studies (activity still in progress)
- Verification and coordination of the design and preliminary investigation of the detail design of the Henry Barracks in Susa (activity still in progress)

ASR 2023 - 2014-EU-TM-0401-M

Annex 2.1

- Verification and coordination of the design and preliminary investigation of the detail design in a variant of relocation of the safe driving center (Pista Guida Sicura)
- Detailed technical studies on various operating sites in France and Italy, not included in the activities commissioned to the External Supervision Works.
- Assistance to the Operational site CO11 for document processing and monitoring of the works relating to the interface between the CO11 and [REDACTED] [REDACTED] (Modane ring road, Illaz railway equipment, etc.) (activity still in progress).
- Assistance to the Operational site CO10 for the analysis of the documentation relating to the modification works of the Torrazza and Salbertrand railway systems (activity still in progress).
- Assistance to the Operational sites CO08 and CO06/07 for document processing and coordination in relation to the interface between CO08 and CO06/07 and [REDACTED] (installation of a new railway bridge in October) - (activity still ongoing).
- Assistance to the Operational site CO09 for railway criticality in the works of the area of St Jean de Maurienne related to [REDACTED] (in progress)
- Internal consultancy for some tenders such as T12 (ongoing) or S51.

b) New task during the period of reference

Not applicable