### **Activity 10: Chiomonte Interchange**

Short description about the contract: Construction works of the interchange in Chiomonte and connection with A32 motorway

Location of the works: CHIOMONTE

Constructive Lot number: 1 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 04C

Step	ASR	Expected completion date
Tender notice publication for the assistance/work     supervision/civil works	-	
2. Closure of the tender (receipt of candidatures)	-	
3. DCE sent to selected candidates	-	
4. Receipt of technical and financial bids from selected candidates	-	
5. Proposal of contract  award sent to Contracts  Commission		17/02/2018
6. Reply from the Contract Commission (usually within 3 months from step 5)		17/04/2018
7. Approval of contract award from TELT Board (at the latest)		03/07/2018
8. Signature of the contract – (critical work from the media point of view Launch after European elections)		30/12/2019
9. Tender publication –		20/11/2019
10. Start of evaluation of applicant qualifications –		19/02/2020
11. Start of works (preliminary work by TELT) –		22/06/2020

12. Signature of the works contract	15/11/2021
13. Foundation construction – end of activities –	
14. End of widening activities for viaduct Clarea (track side Torino) –	

Estimated amount of the convention: 81,6 M€ (except for expropriation activities).

Length of the tunnel (if applicable): not applicable

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year.

The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of

The works were handed over to the contractor on 10/01/2022 with a contractual completion duration of 830 days. For confirmation of the dates of the intermediate milestones, the contractor's operational program is awaited.

## **Activity 11: Relocation of A32 Autoport**

Short description about the contract: Construction work for the new autoport

Location of the works: SAN DIDERO

Constructive Lot number: 1 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 02C

Step	ASR	Expected completion date
Tender notice publication for the assistance/work supervision/civil works		
2. Closure of the tender (receipt of candidatures)		
3. DCE sent to selected candidates		
4. Receipt of technical and financial bids from selected candidates		
5. Proposal of contract  award sent to Contracts  Commission		16/01/2020
6. Reply from the Contract Commission (usually within 3 months from step 5)		08/04/2020
7. Approval of contract award from TELT Board		23/04/2020
8. Signature of the contract		06/08/2020
9. Tender publication –		29/01/2020
10. Start of works (preliminary work by TELT) -	30/06/2021	13/04/2021
11. Signature of the works contract		31/03/2022

Start of works (usually between 3 and 6 months from step 8)	01/04/2020	15/05/2022
12. Start of building PCC (civil work -operation control building) –		30/12/2022
13. End of civil works PCC (except finishing works) –		

Estimated amount of the convention: 68,1 M€ (except for expropriation activities).

Length of the tunnel (if applicable): not applicable

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of The State o

To date, the procedure for checking the anomalies in the bids is underway by with a forecast of the contract being signed by the end of March 2022, while the works will be handed over to the contractor within the next 45 days. The start date of 13/04/2021 is the date of the anticipatory works carried out by TELT (fencing, lighting, video surveillance, etc.).

### **Activity 15: Avrieux Shafts**

Short description about the contract: Realization of the shafts of Avrieux and a section of the

Modane - Maddalena base tunnel

Location of the works: MODANE, VILLARODIN – BOURGET, AVRIEUX

Constructive Lot number: 1 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 05A

Step	ASR	Expected completion date
1. Tender notice publication for civil works –		30/03/2018
2. Closure of the tender (receipt of candidatures)		04/05/2018
3. DCE sent to selected candidates		07/09/2018
4. Receipt of technical and financial bids from selected candidates –		31/01/2019
5. Proposal of contract award sent to Contracts Commission –		07/03/2020
6. Reply from the Contract Commission (usually within 3 months from step 5)		06/05/2020
7. Approval of contract award from TELT Board –		07/05/2020
8. Signature of the contract		10/07/2020
9. Start of works –		27/08/2020

10. Start of excavation shafts (P1) –	12/10/2022
11. Start of excavation shafts (P3) –	
12. End of excavation shafts –	

Estimated amount of the contract: 217,5 M€

Works in traditional methods:

- 165,0 M€ for Avrieux shaft, planned to start right after the contract signature. They are currently planned to be completed by December 2021 (included costs of the construction site).
- 52,5 M€ for Modane security area and other minor contracts as preliminary activities to start works at operational worksite 5. They are currently planned to be executed by December 2021. This measure has been studied so that there is always continuity between CO 5A and CO 5 (in case there was a delay in the call for tenders for works of CO 05 TdB Modane Maddalena).

Length of the tunnel (if applicable): 12,380 m [2 tubes of 3,108 m in the base tunnel section, Modane security area 4,164 m, 4 shafts of 500 m]

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of The Agreement Signed In the Signed In

The time impacts generated by the adoption of the new methods of soil consolidation of ventilation shafts, which are still in the implementation phase, cannot be fully quantified. Therefore, the start dates for the excavation of ventilation shafts may be delayed.

## **Activity 16: Villard Clément cut and Cover**

Short description about the contract: Realization of the west entrance of the base tunnel in Villard Clement

Location of the works: VILLARD CLEMENT

Constructive Lot number: 1 (CIPE Resolution 67/2017 - Italian law on constructive lots) Operational

worksite: 09A

Step	ASR	Expected completion date
1. Tender notice publication for civil works		22/04/2017
2. Closure of the tender (receipt of candidatures)		23/05/2017
3. DCE sent to selected candidates		06/04/2018
4. Receipt of technical and financial bids from selected candidates		06/06/2018
5. Proposal of contract award sent to Contracts Commission		28/08/2018
6. Reply from the Contract Commission (usually within 3 months from step 5)		06/12/2018
7. Approval of contract award from TELT Board*		17/12/2018
8. Signature of the contract –		28/01/2019
9. Start of works –		28/02/2019
10. Temporary shift of RD 1006 (departmental road with national stakes) –		09/08/2019

11. Temporary shift of Highway A43 –	31/10/2019
12. End of construction plots 1, 2, 3 box shaped underpass –	08/09/2020
10. End of works –	30/11/2021

Estimated amount of the contract signed: 32,8 M€ - An additional cost for additional services of about 2 M€ can be expected at the final account stage of the works.

Length of the tunnel (if applicable): 80 m

Besides the main contract, this activity includes the "maîtrise d'oeuvre" contract (4,8 M€)

Main timeline of the work and the estimated associated financial flows: The activities as listed in the amendment to the grant agreement signed in April 2020 are expected to be completed by the end of the Action in the year 2021.

The works were completed on 30/11/2021, as certified by the PMC (Receipt report).

### Activity 23: Modane and Maddalena (o.w.5)

Short description about the contract: Realization of the base tunnel Villarodin-Bourget/ Modane - Maddalena

Location of the works: MODANE, VILLARODIN – BOURGET, MADDALENA

Constructive Lot number: 1-3 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 05

Step	ASR	Expected completion date
1. Tender notice publication for civil works –		12/03/2019
Closure of the tender (receipt of candidatures) –		28/05/2019
3. DCE sent to selected candidates –		12/12/2019
4. Receipt of technical and financial bids from selected candidates –		18/06/2020
5. Proposal of contract award sent to Contracts Commission –		24/02/2021
6. Reply from the Contract Commission (usually within 3 months from step 5) –		28/05/2021
7. Approval of contract award from TELT Board –		07/07/2021
8. Signature of the contract –		09/09/2021
9. Start of works (order for the development of the executive design and construction of the excavation machinery) – MLS 137		

11. Set up of WURMs in supplier's factory - MLS 139	
10. Set up of TBMs in supplier's factory - MLS 138	

Estimated contract amount on project approved by CIPE: 1 149 M€ EUR plus monetary adjustment, covering:

- 451 M€ works with traditional methods to start immediately after the completion of the Avrieux wells and the underground works of the Modane security area from the foot of the wells to the technical cave in direction to Italy. These works will be completed in 5.5-6 years, in parallel with works with TBMs (includes the costs of the construction site);
- 698 M€ for works with two TBM (≈€ 70M as total value). Work will start at the earliest 16 months after the purchase order for the excavation equipment has been signed (12 months to build the TBM plus 4 months on site for assembly and testing). The excavation of the two tunnels can therefore be completed within the next 4.5-5 years.
- Length of the tunnel (if applicable): 37 502 m [2 tubes of 18 751m]

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of

The TBM will be ordered neither sooner nor later than the supplier's factory will not happen before This delay will not have any financial consequences regarding EU funding as a lump-sum payment to be paid by TELT at milestone and and are non-eligible cost in the sense of the Grant Agreement in force.

## Activity 24: La Praz-Modane (o.w.6)

Short description about the contract: Realization of the base tunnel La Praz - Modane

Location of the works: LA PRAZ, MODANE

Constructive Lot number: 1-3 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 06

Step	ASR	Expected completion date
1. Tender notice publication for civil works –		12/03/2019
2. Closure of the tender (receipt of candidatures) –		28/05/2019
3. DCE sent to selected candidates –		12/12/2019
4. Receipt of technical and financial bids from selected candidates –		29/06/2020
5. Proposal of contract award sent to Contracts Commission –		11/03/2021
6. Reply from the Contract Commission (usually within 3 months from step 5) –		28/05/2021
7. Approval of contract award from TELT Board –		07/07/2021
8. Signature of the contract –		09/09/2021
Start of works (signing orders towards the contractor for the construction of the works)		01/10/2021
10. Order of TBMs (after validation of the design by the construction management) –		

	31/12/2021	01/07/2022
11. Set up of TBMs in supplier's factory -	31/12/2022	
12. Construction of and access adit (final connection with intertube tunnel) and technical cavern –		

Estimated contract amount on project approved by CIPE: 644 M€ plus monetary adjustment

- 257 M€ works with traditional methods that will be completed in 5.5-6 years in parallel with works with TBMs (includes the costs of the construction site);
- 387 M€ works with 2 TBM (≈70 M€ as total value). Work will start at the earliest 16 months after the purchase order for the excavation equipment has been signed (12 months to build the TBM plus 4 months on site for assembly and testing). The excavation of the two tunnels can therefore be completed within the next 2 years.

Length of the tunnel (if applicable): 19 434 m [2 tubes of 9 717 m]

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of

## Activity 25 : Saint Martin La Porte-La Praz (o.w.7)

Short description about the contract: Realization of the base tunnel Saint Martin La Porte – La Praz

Location of the works: SAINT MARTIN LA PORTE, LA PRAZ

Constructive Lot number: 1-3 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 07

Activity number (Grant Agreement): 25	
Step	R Expected completion date
1. Tender notice publication for civil works –	12/03/2019
Closure of the tender (receipt of candidatures) –	28/05/2019
3. DCE sent to selected candidates –	12/12/2019
4. Receipt of technical and financial bids from selected candidates –	29/06/2020
5. Proposal of contract award sent to Contracts Commission –	11/03/2021
6. Reply from the Contract Commission (usually within 3 months from step 5) –	28/05/2021
7. Approval of contract award from TELT Board –	07/07/2021
8. Signature of the contract -	09/09/2021
9. Order of TBMs (after validation of the design by the construction management) –	01/07/2022

10. Start of works (signing orders towards the contractor for the construction of the works after completion of the works and deinstallation of the SMLP4 site)		01/08/2022
11. Set up of TBMs in supplier's factory –		
Additional information		
Estimated contract amount on project approved by CIPE: 604 M€ plus m	onetary adjustment	
<ul> <li>262 M€ works with traditional methods that will be completed in about with works with TBM (includes the costs of the construction site);</li> </ul>	5 years in parallel	
<ul> <li>342 M€ works with one TBM (the other has already been purchased 2019 on the SMLP4 site). Work will start at the earliest 16 months a order for the excavation equipment has been signed (12 months to 4 months on site for assembly and testing). The excavation of the therefore be completed within the next 2 years.</li> </ul>	after the purchase build the TBM plus	
Length of the tunnel: $14498$ m [2 tubes of 2 $145$ m + $8439$ m + $1769$ of traditional excavations on the two adjacent sites CO 07 and CO 0 decrease by approximately 1 km for each tunnel tube, depending on the two slopes	8 may increase or	
Main time line of the work and the estimated associated financial flows The completion of the activities as envisaged in the Amendment to the signed in April 2020 is expected in the year The associated find determined by the end of 2021 in accordance with the preparatory work extend the action until the end of	e Grant Agreement ancial flows will be	

## Activity 26: Saint-Julien-Montdenis (West entrance)-Saint Martin La Porte (o.w.8)

Short description about the contract: Realization of the base tunnel Saint Julien Mont Denis – Saint Martin La Porte

Location of the works: SAINT JULIEN MONT DENIS, SAINT MARTIN LA PORTE

Constructive Lot number: 1-3 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 08

Step	ASR	Expected completion date
1. Tender notice publication for civil works –		12/03/2019
2. Closure of the tender (receipt of candidatures) –		28/05/2019
3. DCE sent to selected candidates –		12/12/2019
4. Receipt of technical and financial bids from selected candidates –		08/06/2020
5. Proposal of contract award sent to Contracts Commission –		26/01/2021
6. Reply from the Contract Commission (usually within 3 months from step 5) –		28/05/2021
7. Approval of contract award from TELT Board –		07/07/2021
8. Signature of the contract –		09/09/2021
9. Start of works (signing orders towards the contractor for the construction of the works) –	12/09/2021	18/10/2021

10. Start of excavation conventional tunneling -	11-07-2022	18/11/2022
11. Conventional excavation, at least 300 m for each tube reached by excavation conventional tunneling –	31-12-2022	

Estimated contract amount on project approved by CIPE: 200 M€ plus monetary adjustment - all with traditional methods. The excavation work on the two tunnels can be completed in about 4 years at the earliest, while all the work on the operational site, including the completion of the artificial tunnel section of the tranchèe couverte, can be completed in about 5 years in total.

Length of the tunnel (if applicable): 7 818 m [2 tubes of 3 909 m] + 2 tubes of 137 m of artificial tunnel GA 02 - the lengths of traditional excavations on the two adjacent sites CO 07 and CO 08 may increase or decrease by approximately 1 km for each tunnel tube, depending on the progress of work on the two slopes

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of

## Activity 27 : Saint-Jean-de-Maurienne (SNCF-R) (o.w.9B)

Location of the works: SAINT JEAN DE MAURIENNE, SAINT AVRE, HERMILLON

Constructive Lot number: 2 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 09B/12B

Step	ASR	Expected completion date
Tender notice publication for the assistance/work supervision/civil works		
2. Closure of the tender (receipt of candidatures)		
3. DCE sent to selected candidates		
4. Receipt of technical and financial bids from selected candidates		
5. Proposal of contract award sent to Contracts Commission (at the latest)		08/06/2018
6. Reply from the Contract Commission (at the latest) (usually within 3 months from step 5)		28/06/2018
7. Approval of contract award from TELT Board		03/07/2018
8. Signature of the contract (at the latest) CFI 5 -		23/07/2018
9. Start of works (usually between 3 and 6 months from step 8)		15/01/2019
10. End of construction Earthworks Saint Avre -		27/11/2020

	1
	07/12/2020
	15/11/2021
30/06/2021	09/09/2021
	28/02/2022
31/12/2020	04/02/2021
	01/06/2022
	31/12/2022
	20/02/2020
	18/02/2021
	29/10/2019
	12/03/2018
	28/09/2018
	15/10/2019
	28/08/2020
	13/12/2019
	06/11/2020
	26/02/2021

29. End of construction "PEM transitoire" -	30/04/2022
30. End of construction "PRA René Cassin" -	23/11/2020
31. End of construction roads and networks Ouest Arvan (Bastille- Cassin-Sibué) –	07/12/2021
32. End of construction roads and networks area Amoudon/plan des Epines (RD81) –	31/12/2022

Estimated amount of the total convention: 789 M€

Length of the tunnel (if applicable): 3 873 m [outdoor works]

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of

### Activity 21: Maddalena-Susa (o.w.3-4)

Short description about the contract: Realization of the base tunnel Maddalena - Susa and the Maddalena security area (Maddalena galleries 1 and 2, connection tunnels 1 and 2)

Location of the works: CHIOMONTE

Constructive Lot number: 1-3 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 03-04

Step	ASR	Expected completion date
1. Tender notice publication for civil works –		28/06/2019
2. Closure of the tender (receipt of candidatures) –		25/09/2019
3. DCE sent to selected candidates		15/10/2021
4. Receipt of technical and financial bids from selected candidates		16/05/2022
5. Proposal of contract award sent to Contracts Commission		16/10/2022
6. Reply from the Contract Commission (usually within 3 months from step 5)		16/11/2022
7. Approval of contract award from TELT Board		
8. Signature of the contract –	04-07-2022	
9. Start of works (order for the development of the executive design and construction of the excavation machinery) –	19-07-2022	

10. Set up of TBMs in supplier's factory – **Additional information** Estimated amount of the contract: 876 M€ plus monetary adjustment 426 M€ works with traditional methods that will be completed in about 7 years in parallel with works with TBMs (includes the costs of the construction site); 450 M€ with 2 TBM (≈70 M€ as total value). Work will start at the earliest 16 months after the purchase order for the excavation equipment has been signed (12 months to build the TBM plus 4 months on site for assembly and testing). The excavation of the two tunnels can therefore be completed within the next 6 years. Length of the tunnel (if applicable): 18 860 m [2 tubes of 9 430 m] Main time line of the work and the estimated associated financial flows: not yet defined -The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is unlikely to take place in full in The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of The TBM will be ordered neither sooner nor later than therefore the setup of the TBM in the supplier's factory will not happen before This delay will not have any financia consequences regarding EU funding, as a lump-sum payment to be paid by TELT at milestone are non-eligible cost in the sense of the Grant Agreement in force. and

# Activity 22: Maddalena Interconnecting Niches (o.w.4A)

Short description about the contract: Work of excavation of niches in tunnels Maddalena 1

Location of the works: CHIOMONTE

Constructive Lot number: 1 (CIPE Resolution 67/2017 - Italian law on constructive lots)

Operational worksite: 04A

Step	ASR	Expected completion date
Tender notice publication for the assistance/work supervision/civil works		21/02/2018
2. Closure of the tender (receipt of candidatures)		23/03/2018
3. DCE sent to selected candidates		25/04/2019
4. Receipt of technical and financial bids from selected candidates –		05/07/2019
5. Proposal of contract award sent to Contracts Commission –		15/10/2019
6. Reply from the Contract Commission (usually within 3 months from step 5) –		04/12/2019
7. Approval of contract award from TELT Board –		12/12/2019
8. Signature of the contract –		08/01/2020
9. 1st Order to contractor (order for the development of the executive design) –		17/02/2020

Additional information		
14. End of works (niches excavation, 1st phase lining, etc.) –	31-12-2022	
13. End of niches excavation (22 niches) -	15-08-2022	
12. End of excavation of 1st 5 niches –	30-09-2021	15/12/2021
(Usually between 3 and 6 months from step 8)		
12. Start of works		17/12/2020
11. Ministries Approval and start of works -		17/12/2020
10. Send project to ministries to validation -		29/05/2020

Estimated amount of the contract signed: 40 M€ (including the definitive lining of all interchange niches)

Length of the tunnel (if applicable): not applicable

Main timeline of the work and the estimated associated financial flows: not yet defined - The completion of the activities as envisaged in the Amendment to the Grant Agreement signed in April 2020 is expected in the year (unless the final lining). The associated financial flows will be determined by the end of 2021 in accordance with the preparatory work for the request to extend the action until the end of