

**APPROVED,**  
**Chief Inspector**

**PROGRAM FOR QUALITY CONTROL  
OF CONSTRUCTION WORKS**

**REHABILITATION OF BRASOV – SIMERIA RAILWAY LINE, COMPONENT OF THE IV  
PAN – EUROPEAN CORRIDOR FOR THE TRAIN TRAFFIC AT 160 KM/H SPEED**

- MATEIAS HALT -

As beneficiary.....

- Represented by.....

As designer .....**AREX LIDER COMPANY**

- Represented by.....

As contractor.....

- Represented by.....

According to Law no. 10/1995, HG no. 261/1994, HG no. 272/1994, HG no. 273/1994 and the norms in force.

Commonly agree upon this quality control program for construction works.

<b>No.</b>	<b>Works to be controlled, checked or accepted from quality point of view that require written documents</b>	<b>Written document to be concluded:</b>	<b>Drawn up and signed by:</b>	<b>No. and date of concluded document</b>
		<b>PV</b> – report	<b>I</b> – Construction inspectorate	
		<b>PVRC</b> – quality acceptance report	<b>B</b> – beneficiary	
		<b>PVT</b> – tracing report	<b>E</b> – contractor	
		<b>CRM</b> – register book	<b>P</b> – designer	

		for received materials		
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>/</b>	<b>TUNNEL</b>			
<b>1.1</b>	Drawing pedestrian tunnel (cf. project)	P.V.T.	B.E.	
<b>1.2</b>	Execution of necessary excavation trenches opened, partially supporting wood and metal sheet piling, partially in embankment with temporary bridges.	P.V.	B.E.	
<b>1.3</b>	Spreading the bottom of excavation and concrete compaction equalization	P.V.	B.E.	
<b>1.4</b>	Waterproofing foundation tunnel	P.V.	B.E.	
<b>1.5</b>	Checking the reinforcement and concrete forming of the tunnel walls	P.V.	B.E.	
<b>1.6</b>	Concreting the tunnel slab	P.V.	B.E.	
<b>1.7</b>	Checking the reinforcement and concrete forming of the tunnel walls, - DETERMINED PHASE	P.V.R.C.	I.B.E.P.	
<b>1.8</b>	Concreting the tunnel walls	P.V.	B.E.	
<b>1.9</b>	Hydro tunnel walls	P.V.	B.E.	
<b>1.10</b>	Reinforcement and concrete forming of the floor tunnel	P.V.	B.E.	
<b>1.11</b>	Concreting the tunnel floor	P.V.	B.E.	
<b>1.12</b>	Hydro tunnel floor	P.V.	B.E.	
<b>1.13</b>	Excavation in execution speed required to carry tunnel access stairs	P.V.	B.E.	
<b>1.14</b>	Spreading and compacting the excavation bottom layer stepped equalization	P.V.	B.E.	
<b>1.15</b>	Waterproofing foundation stairs	P.V.	B.E.	

1.16	Checking the reinforcement and concrete forming slab of the tunnel access stairs	P.V.	B.E.	
1.17	Concreting slab of the access stairs	P.V.	B.E.	
1.18	Reinforcement and concrete forming of the stairs wall	P.V.	B.E.	
1.19	Concreting stairs wall	P.V.	B.E.	
1.20	Waterproofing stairs walls	P.V.	B.E.	
<b>II</b>	<b>PLATFORMS</b>			
2.1	Survey of crossings for TCF, IE and TTR existing cables, not be destroyed and their right precast elements will be executed as a monolith to be able to encapsulate	P.V.	B.E.	
2.2	Teaching site - drawing new platforms, after project	P.V.T.	B.E.P.	
2.3	Execution of necessary excavation trenches	P.V.	B.E.G.	
2.4	Compaction of excavation bottom, leveling layer spreading for the necessary components	P.V.	B.E.	
2.5	Marking and mounting wall support elements type	P.V.T	B.E.	
2.6	Networks for installations, foundations of lighting columns, lamps, etc.	P.V.	B.E.	
2.7	Making and Spreading compacted fill layer of gravel and polyethylene film	P.V.	B.E.	
2.8	Checking installing prefabricated tiles on elements such wall support, the reinforcement in order to concrete each other to complete the monolith areas and level crossing	P.V.	B.E.	
2.9	Concreting of the platform tiles	P.V.	B.E.	
2.10	Taking-Over-DETERMINANT PHASE	P.V.	B.E.P.I.	
<b>III</b>	<b>Canopies tunnel</b>			

	Demolition work, repair and reinforcement			
<b>3.1</b>	Checking mounting and fastening system for reinforcement of concrete pedestal necessary to sustain the canopy	P.V.	B.E.P.	
<b>3.2</b>	Concreting the concrete pedestal necessary to the canopy	P.V.	B.E.	
<b>3.3</b>	Checking the quality and appearance of elements made	P.V.	B.E.P.	
<b>3.4</b>	Verification of the mounting farms of metallic structure necessary to the canopy	Ledger bet. + certified	B.E.	
<b>3.5</b>	Taking-Over-DETERMINANT PHASE	P.V.R.C.	I.B.E.P.	

NOTE:

1. Column 4 is to be filled in when the document provided in col. 2 is concluded.
2. The contractor will notify in writing the other parties interested to participate with minimum 10 days before the date of checking.
3. During the objective acceptance, one copy of this program properly filled in will be attached to the Construction book.

BENEFICIARY:

DESIGNER:

CONTRACTOR:

**AREX LIDER COMPANY**