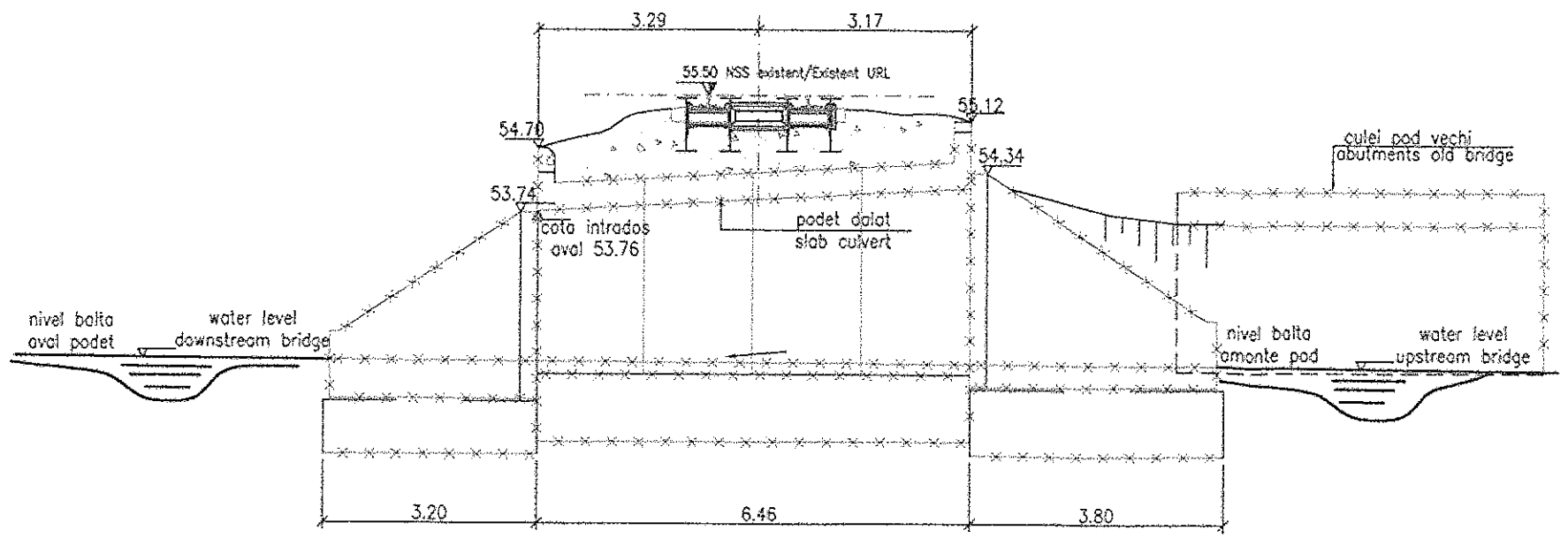
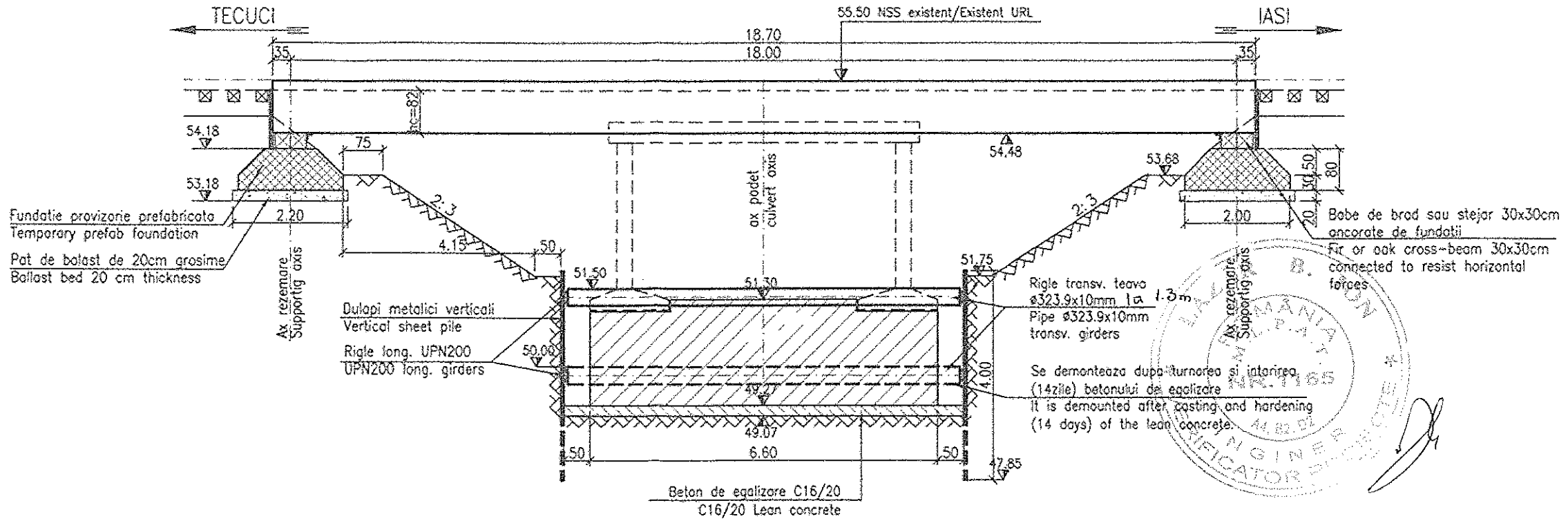
SECTIUNE TRANSVERSALA (spre TECUCI)
CROSS SECTION (TECUCI side)



SECTIUNE LONGITUDINALA POD PROVIZORIU G18
LONGITUDINAL SECTION TEMPORARY BRIDGE G18



PROCES TEHNOLOGIC:
Faza I: Sub circulație cu restrictie de viteza de 30km/h, la adapostul podului provizoriu G18, existent in cale
1. Se amenajează drumul de acces, platforma de lucru şi organizarea de şantier;
2. Se identifică, se picheteză traseul cablurilor BLA, TTR şi se executa lucrarile de punere în siguranță a acestora;
3. Se scot din amplasament elementele prefabricate D5 ale podului existent;
4. Se demolează complet infrastructurile si fundatiile podului existent, inclusiv elevatiile culeelor podului vechi amplasate in amonte;
5. Se execută săpăturile pentru fundația noului pod, la adapostul unor sprijiniri cu dulapi metalici vericali si cadre metalice;
6. Se betoneaza fundatiile podului nou.

Faza II: In inchidere de circulatie
1. Se scot din cale podul provizoriu şi fundatiile prefabricate ale acestuia;
2. Se montează elementele prefabricate (L3, D3 şi aripile);
3. Se execută hidroizolația şi protecția acesteia, drenurile şi umpluturile;
4. Se monteaza suprastructura c.f., inclusiv prisma de piatra sparta;
5. Se repun in pozitie finala (daca este cazul) cablurile BLA si TTR;
6. Se deschide circulația cu trepte de viteză conform instrucțiilor în vigoare.

Faza III: Sub circulatie cu viteza normala
1. Se execută lucrările de amenajare a albiei;
2. Se executa lucrarile de protectie a terasamentului amonte;
3. Se dezafectează organizarea de şantier, platforma de lucru şi drumul de acces.

TECHNOLOGICAL PROCESS:
Phase I: Traffic with a speed limit of 30km/h, under the protection of existing temporary bridge G18
1. Arranging the access road, work platform and site organization;
2. Identifying, pegging out the route of ABL, TTR cables and works for their securing;
3. Removing from the location the precast elements D5 of the existing culvert;
4. Complete demolition of the infrastructures and foundation of the existing culvert, including the elevations of the old bridge abutments, placed upstream;
5. Executing the excavations for the foundation of the new bridge, under the protection of propping-ups with vertical sheet pile and metallic frames;
6. Concreting the foundations of the new bridge.

Phase II: During traffic closing
1. Removing from the track the temporary bridge and its precast foundations;
2. Mounting the precast elements (L3, D3 and wings);
3. Executing the waterproofing and its protection, the drains and fillings;
4. Mounting the railway superstructure, including the crushed stone prism;
5. Replacing in final position (if the case) the ABL and TTR cables;
6. Reopening the traffic with speed limits according to instructions in force.

Phase III: During traffic with normal speed
1. Executing riverbed arrangement works;
2. Executing protection works for the upstream embankment;
3. Closing down the site organization, the work platform and the access road.

NOTA:
1. Dulapii metalici vericali se vor bate in avans fata de sapatura cu min. 50cm.
2. Cadrul al doilea va urmari nivelul sapaturii pana la cota finala (50.00).
3. In pozitie finala cadrele se vor fixa de dulapii metalici cu hafturi de sudura
4. Epuismentele, daca vor fi necesare la data executiei se vor executa cu atentie pentru evitarea antrenarii materialului din sapatura.

NOTE:
1. The vertical sheet piles will be beaten down before the excavation on minimum 50cm.
2. The second frame will follow the level of the excavation up to the final level (50.00).
3. In final position, the frames will be fastened to the sheet piles by help of random points of weld.
4. If necessary on the date of the execution, dewatering will be carefully executed in order to avoid displacement of the material resulted from excavation.

B			
A			
	Data / Date	Modificare / Modification / Revision	

BENEFICIAR/ BENEFICIARY: ROMANIAN RAILWAY NATIONAL COMPANY
AUTORITATEA DE IMPLEMENTARE/ IMPLEMENTUNG AUTHORITY: Ministerul Transporturilor / Ministry of Transports
AUTORITATEA CONTRACTANTA / CONTRACTING AUTHORITY: Ministerul Economiei si Finantelor Oficial de Plati si Contractare Phare / Ministry of Economy and Finances Phare Payments &Contracting Office
CFCU
Contract / Contract: 1303/2007
Faza / Phase: PT+DDE/ TP+DD
Proiect finantat de UNIUNEA EUROPEANA / Project financed by EUROPEAN UNION
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prointec CONSIS PROIECT

Intocmit / Designed	Ing. Cristina Vara-Oros	Scara / Scale:	1:100
Verificat / Checked	Ing. Sandu Bogdan		
Sef echipa / Team leader	Ing. Stelian Vara-Oros	Data / Date:	05.2009

PORTOFOLIU DE PROIECTE PHARE CES 2005 / PHARE CES 2005 PROJECTS PORTFOLIO
LOT 1
Asistenta tehnica pentru pregătirea unor lucrari de reabilitare pentru tuneluri si poduri de cale ferata / Technical assistance for preparing rehabilitation works required by railway tunnels and bridges

Denumire desen / Drawing Title: Sucursala RCF / Railway district IASI. Linia cf /Railway line Tecuci-Iasi
Pod / Bridge km 268+678
PROCES TEHNOLOGIC/TECHNOLOGICAL PROCESS
Cod desen / Drawing Code: PD 58
Nr. / No: P04