



NOTA

- Prezentul plan s-a intocmit pe baza urmatoarelor date:
 - plan de situatie;
 - profil in lung;
 - profil transversal;
 - calcul hidraulic;
 - date cului pe teren.
- Podul corespunde la convectiile de calcul UC (LM71 si SW/2).
- Noul pod are urmatoarele caracteristici:
 - suprastuctura: 4 tablere de grinzii metalice inglobate in beton de 12,00m deschidere;
 - infrastructura: culci din beton armat, fundatie direct.
- Daca la executie se vor constata neconcordanțe între situatia existenta pe teren si cea din proiect se va amana proiectiile.
- La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 1: Producerea betonului", indicativ NE 012/1-2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton, beton armat si beton precomprimat", indicativ NE 012/2-2010, iar verificarea calitatii lucrarilor si receptiunile lor se va face conform normativului CSE-1985.
- Construcția se încadrează în categoria de importanță B (construcții de importanță deosebită), modelul I de asigurare a calitatii si clasa de importanță B, conform HG 766/1997.
- Proiectul va fi verificat la cerințele A4.2, B2.2, D2.2.

NOTE

- This plan has been drawn up based on the following data:
 - Lay-out Plan;
 - Longitudinal Profile;
 - Cross-section Profile;
 - Hydraulic determination;
 - Field Data.
- Bridge convey calculation corresponds to UC (LM71 and SW/2).
- The new bridge has the following structure:
 - Superstructure: metallic girders embedded in concrete with concrete box, for four decks of 12.0m span;
 - Infrastructure: abutments and reinforced concrete, with direct foundation.
- The execution will strictly comply with the provisions of "Practice code for concrete production NE 012/1-2007 and "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete - Part 2: The execution of concrete works" NE 012/2-2010, and the quality and the reception of the works shall be made according to Norm C 56-1985.
- In case during the execution there will be found out any discrepancies between the existing situation on site and in project, the designer will be announced.
- The construction is classified in the B category of importance. Special importance constructions, model I for quality ensuring according to HG 766/97.
- The project will be checked to comply with the requirements A4.2, B2.2, D2.2.

TITLUL PLANȘEI / PLAN TITLE	COD/CODE										
	a	b	c	d	e	f	h	j	i	k	
DETALII PENTRU ETANȘARE ȘI ÎNCADRARE											
DETALII HEIDROIZOLAȚII ȘI RESTITURI											

LEGENDA BETOANELOR/CONCRETE LIST

- Beton armat in grinzii inglobate de clasa Concrete in bearings and in the deck slabs C 35/45-CEM I/A-S 52,5-(XC4+XF3+XA2)-A/C=0,50-Dmax-16-CI 0,20
- Beton de panta. Concrete in the protection layer of waterproofing system. C 25/30-CEM II/A-S 32,5-(XF3)-A/C=0,55-Dmax-16-CI 0,20
- Beton in stratul de protectie a hidroizolatiei Concrete in the protection layer of waterproofing system C 25/30-CEM II/A-S 32,5-(XC4+XF3)-A/C=0,50-Dmax-16-CI 0,20
- Beton in dozele prefabricate pentru trotuare Concrete in the prefab slabs required for the sidewalks C 25/30-CEM II/A-S 32,5-(XC4+XF3+XA1)-A/C=0,50-Dmax-22-CI 0,20
- Beton in dozele prefabricate pentru grinzile inglobate in beton Concrete in the prefab slabs required for the decks made out of steel girders embedded in to concrete. C 35/45-CEM I/A-S 52,5-(XC4+XF3+XA2)-A/C=0,50-Dmax-16-CI 0,20
- Beton armat in cuzinetii si in bancheta cuzinetilor Reinforced concrete in the cushions and cushions bench C 35/45-CEM I/A-S 52,5-(XC4+XF3+XA2)-A/C=0,50-D 16-CI 0,20
- Beton armat in elevatiile si in zidurile intortoare Reinforced concrete in the elevation infrastructure and reverted walls C 25/30-Ciment II/A-S 42,5-(XC4+XF3)-A/C=0,50-D 32-CI 0,20
- Beton simplu in fundatii Plain concrete in abutments foundations: C 25/30-Ciment II/A-S 42,5-(XF3)-A/C=0,50-D 32-CI 0,20

DATE HIDRAULICE

Intaltime ogel sa pod	h=0,37m
Pantelul uscat	P=10,7‰
Aviz valilor	Av=3,70m
Viteza de curgere a ogelii	V=2,38m/s

HYDRAULIC DATA

Hydraulic height	h=0,37m
Net perimeter	P=10,7‰
Aviz water	Av=3,70m
Mean flow speed	V=2,38m/s

In cazul in care temperatura in timpul turnarii este scazuta, se vor folosi cimenturile cu rezistenta initiala mare, R si aditivi acceleratori, iar in cazul turnarii pe timp cald, cimenturile cu rezistenta initiala uzuala, N si aditivi intaritori (conform NE 012/2-2010 si tabelul 2 de pe SR EN 197-1:2002).
When the temperature during the casting is low, cements with high initial resistance, R and accelerating additives shall be used and when it is cast during warm weather, cements with common initial resistance, N and delaying additives shall be used (according to the norm NE 012/2-2010 and table 2 for the SR EN197-1:2002).

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D	Indicator	Date	Revizua / Revision	Proiectant / Designer	Approbat / Approved
A	11.2011	Revizua 1 / Revision 1	Valentin Florea	Proiectant / Designer	Approbat / Approved

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

CONSULTANT / CONSULTANT

SUBCONTRACTANT / SUBCONTRACTOR

Reabilitarea liniei de cale ferata
Rehabilitation of the railway line
 Brasov - Sighisoara
 Component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h.

STATIA / STATION RACOS
 POD / BRIDGE Km 222+580.690 L=12,00m
 DISPOZITIE GENERALA / DISPOSITION GENERALE