



Prezentul plan anuleaza si inlocuieste versiunea anterioara
This plan cancels and replaces previous version

FAZA IV SI FAZA V / STAGE IV AND STAGE V
SECTIUNE FR II / SECTION TRACK II / SECTION TRACK II
 Sc. 1:200

FAZA III / STAGE III
SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION
 Sc. 1:200

FAZA II SI FAZA III / STAGE II AND STAGE III
SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION
 Sc. 1:200

FAZA I SI FAZA II / STAGE I AND STAGE II
SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION
 Sc. 1:200

VEDERE IN PLAN / PLAN VIEW
 Sc. 1:200

- FAZA IV - Linia I - Inchiderea circuitei;**
 - Linia II - Circuitele cu restrictie de viteza de 50km/h;
- Se scoate de sub tensiune firul II si se asigura protectia electrica;
 - Se demontaza si se scoate cablu pe zona podului provizoriu;
 - Se scoate din cale podul provizoriu tip G12 si fundatiile acestuia;
 - Se demontaza si se scoate de sub tensiune cablul de alimentare a electricei si dresului din lungul podului;
 - Se monteaza restul de 4 elemente prefabricate tip C3, si se trateaza resturile dintre elementele prefabricate conform detaliilor din proiect;
 - Se executa zidurile de sprijin din amonte de podet;
 - Umplerea spatului dintre elementele prefabricate ale podetului nou si elevatiilor podetului existent cu beton simplu;
 - Se executa elemente laterale la cata, conform detaliilor din proiect;
 - Se castreaza hidroizolatia si sapa de protectie a hidroizolatiei;
 - Se castreaza hidroizolatia si sapa de protectie a hidroizolatiei;
 - Se asigura continuitatea circuitelor de cale, electrozolarele siolilor si protectia electrica;
 - Se repune sub tensiune linia de contact, si se deschide circuleta in trepte de viteza conform instructiunilor CFR;
 - Line I - Traffic closure;
 - Line II - Traffic with speed limit of 50km/h;
- STAGE IV -**
 - Line I - Traffic closure;
 - Line II - Traffic with speed limit of 50km/h;
- Removing the voltage from track II and ensuring the electric protection;
 - Demounting and removing the track on the area of the temporary bridge;
 - Removing from the track the temporary bridge type G12 and its foundations;
 - Partially demolishing the structures of the existing culvert, up to the train execution level along the culvert;
 - Mounting the other 4 precast elements type C3 and treating the joints between the precast elements according to the details from the design;
 - Excavating the remaining water upstream from the culvert;
 - Filling the space between the precast elements of the new culvert and the elevations of the existing culvert with concrete;
 - Excavating the side drains at the dimension, according to the details from the design;
 - Placing the waterproofing and the protection blanket of the waterproofing;
 - Excavating the filling, according to the Technical Specifications, renewing the embankment and the track in the culvert's area connecting the line of the existing level and position at the execution date;
 - Ensuring the continuity of the track circuits, the electric insulation of the rails and the electric protection;
 - Restoring the voltage to the contact line and opening the traffic with speed limits according to the CFR instructions;

- FAZA V - Linia II si linia III - circulatele cu viteza normala**
 - Linia II - Linia II si linia III - traffic with normal speed
- Montarea parapetului metallic de protectie;
 - Executarea pichetului pe interiorul podetului, stavarilor si intre zidurile de sprijin din amonte;
 - Pererea albei din oval de stavar pe 12m lungime;
 - Executarea soliei din ancoament de la capatul perelui;
 - Demontarea digului din orgia din amonte;
 - Se demontaza platformele de montaj si organizarea de santier si se restau terenurile ocupate temporar circuleta initial;
- STAGE V -**
 - Line II and line III - traffic with normal speed
- Mounting the metallic protection parapet;
 - Executing the piling inside the culvert, the dam end between the upstream retaining walls;
 - Pererea albei din oval de stavar pe 12m lungime;
 - Executing the sleepers mattresses from the end of the piling;
 - Demounting the upstream clay dyke;
 - Clearing-down the montage platforms and the site organization and restoring the sites occupied temporarily to the initial circuit;

- FAZA III - Linia I - Circuitele cu restrictia de viteza de 30 km/h;**
 - Linia II - Inchiderea circuitei;
- Se scoate de sub tensiune firul II si se asigura protectia electrica;
 - Se demontaza si se scoate de sub tensiune cablul de alimentare a electricei si dresului din lungul podetului;
 - Se demontaza si se scoate de sub tensiune cablul de alimentare a electricei si dresului din lungul podetului;
 - Se monteaza primele 8 elemente prefabricate tip C3, ultimul fiind montat in poza de circulatie pe linia I si se trateaza resturile dintre elementele prefabricate conform detaliilor din proiect;
 - Se executa elemente stavarilor din oval de podet;
 - Umplerea spatului dintre elementele prefabricate ale podetului nou si elevatiilor podetului existent cu beton simplu;
 - Se castreaza hidroizolatia si sapa de protectie a hidroizolatiei;
 - Se castreaza hidroizolatia si sapa de protectie a hidroizolatiei;
 - Se executa umplutura, conform coactului de sarcini, se reface terasamentul si coala in zona podetului recordand linia la nivelul si pozitia existenta la data executiei. Umplutura se realizeaza cu ajutorul unor sprinjiri longitudinale intre linii;
 - Se asigura continuitatea circuitelor de cale, electrozolarele siolilor si protectia electrica;
 - Se repune sub tensiune linia de contact, si se deschide circuleta in trepte de viteza conform instructiunilor CFR;
 - Line I - Traffic with speed limit of 30 km/h;
 - Line II - Traffic closure;
- STAGE III -**
 - Line I - Traffic with speed limit of 30 km/h
 - Line II - Traffic closure
- Removing the voltage from track II and ensuring the electric protection;
 - Demounting and removing the track from the line I;
 - Demounting the temporary bridge different to line II and partially demolishing the elevations of the existing culvert, up to the draw existing level along the culvert;
 - Mounting the first 8 precast elements type C3, the last of them being mounted during the traffic break on line I and treating the joints between the precast elements according to the details from the design;
 - Excavating the elevations of the dam downstream from the culvert;
 - Filling the space between the precast elements of the new culvert and the elevations of the existing culvert with plain concrete;
 - Excavating the side drains at the dimension, according to the details from the design;
 - Placing the waterproofing and the protection blanket of the waterproofing;
 - Excavating the filling, according to the Technical Specifications, renewing the embankment and the track in the culvert's area connecting the line at the existing level and position at the execution date. The filling is made by help of longitudinal piling between the lines;
 - Ensuring the continuity of the track circuits, the electric insulation of the rails and the electric protection;
 - Restoring the voltage to the contact line and opening the traffic with speed limits according to the CFR instructions;

- FAZA II SI FAZA III / STAGE II AND STAGE III**
SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION
 Sc. 1:200
- FAZA I SI FAZA II / STAGE I AND STAGE II**
SECTIUNE LONGITUDINALA / LONGITUDINAL SECTION
 Sc. 1:200
- VEDERE IN PLAN / PLAN VIEW**
 Sc. 1:200
- FAZA I - Linia I si linia II - circuitele cu restrictie de viteza de 50km/h;**
 - Linia II - Inchiderea circuitei;
- Organizarea de santier;
 - Amplasarea drum de acces;
 - Identificarea, pichetarea si punerea in siguranta a cablurilor (SCB, TR, CED) din zona lucrurilor;
 - Executarea unui dig de argila in amonte si asigurarea evacuarii apelor din precipitaii prin-teava #300;
 - Executarea fundatiilor noilor podet si a fundatiilor stavarilor din aval montand sprinjiri din teava #200 intre bucurile de de fundatie existente si sprinjiri in exterior;
- STAGE I -**
 - Line I and line II - traffic with speed limit of 50km/h
- Site organization;
 - Arranging the access road;
 - Identifying, pegging-out and securing the cables (SCB, TR, CED) from the work area;
 - Executing a clay dyke upstream and ensuring the fallout water discharge through a pipe #300;
 - Excavating the foundations of the new culvert and the foundation of the downstream dam by mounting spurs from pipe #200 between the existing foundation blocks and outside piling;

- FAZA II - Linia I - Inchiderea circuitei;**
 - Linia II - Circuitele cu restrictie de viteza de 50km/h;
- Se scoate de sub tensiune firul I si se asigura protectia electrica;
 - Se demontaza si se scoate de sub tensiune cablul de alimentare a electricei si dresului din lungul podetului;
 - Se demontaza si se scoate de sub tensiune cablul de alimentare a electricei si dresului din lungul podetului;
 - Se introduce in cale podul provizoriu G12;
 - Se monteaza calea de verificare electrozolarele siolilor si se asigura protectia electrica;
 - Se repune sub tensiune linia de contact, si se deschide circuleta in trepte de viteza conform instructiunilor CFR;
 - Line I - Traffic closure;
 - Line II - Traffic with speed limit of 50km/h;
- STAGE II -**
 - Line I - Traffic closure
 - Line II - Traffic with speed limit of 50km/h
- Removing the voltage from track I and ensuring the electric protection;
 - Demounting and removing the voltage from the track on the culvert area and demounting the superstructure afferent to line I;
 - Scraping the embankment and introducing in the track the bearing of the temporary bridge G12;
 - Introducing in the track, checking the electric insulation of the rails and ensuring the electric protection;
 - Mounting the track, checking the electric insulation of the rails and ensuring the electric protection;
 - Restoring the voltage to the contact line and opening the traffic with speed limits according to the CFR instructions;

- FAZA III - Linia I si linia II - circulatele cu viteza normala**
 - Linia II - Linia II si linia III - traffic with normal speed
- Montarea parapetului metallic de protectie;
 - Executarea pichetului pe interiorul podetului, stavarilor si intre zidurile de sprijin din amonte;
 - Pererea albei din oval de stavar pe 12m lungime;
 - Executarea soliei din ancoament de la capatul perelui;
 - Demontarea digului din orgia din amonte;
 - Se demontaza platformele de montaj si organizarea de santier si se restau terenurile ocupate temporar circuleta initial;
- STAGE III -**
 - Line II and line III - traffic with normal speed
- Mounting the metallic protection parapet;
 - Executing the piling inside the culvert, the dam end between the upstream retaining walls;
 - Pererea albei din oval de stavar pe 12m lungime;
 - Executing the sleepers mattresses from the end of the piling;
 - Demounting the upstream clay dyke;
 - Clearing-down the montage platforms and the site organization and restoring the sites occupied temporarily to the initial circuit;

- FAZA IV SI FAZA V / STAGE IV AND STAGE V**
SECTIUNE FR II / SECTION TRACK II / SECTION TRACK II
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- FAZA III / STAGE III**
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- VEDERE IN PLAN / PLAN VIEW**
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- FAZA IV - Linia I - Inchiderea circuitei;**
 - Linia II - Circuitele cu restrictie de viteza de 50km/h;
- Se scoate de sub tensiune firul II si se asigura protectia electrica;
 - Se demontaza si se scoate cablu pe zona podului provizoriu;
 - Se scoate din cale podul provizoriu tip G12 si fundatiile acestuia;
 - Se demontaza si se scoate de sub tensiune cablul de alimentare a electricei si dresului din lungul podului;
 - Se monteaza restul de 4 elemente prefabricate tip C3, si se trateaza resturile dintre elementele prefabricate conform detaliilor din proiect;
 - Se executa zidurile de sprijin din amonte de podet;
 - Umplerea spatului dintre elementele prefabricate ale podetului nou si elevatiilor podetului existent cu beton simplu;
 - Se executa elemente laterale la cata, conform detaliilor din proiect;
 - Se castreaza hidroizolatia si sapa de protectie a hidroizolatiei;
 - Se castreaza hidroizolatia si sapa de protectie a hidroizolatiei;
 - Se asigura continuitatea circuitelor de cale, electrozolarele siolilor si protectia electrica;
 - Se repune sub tensiune linia de contact, si se deschide circuleta in trepte de viteza conform instructiunilor CFR;
 - Line I - Traffic closure;
 - Line II - Traffic with speed limit of 50km/h;
- STAGE IV -**
 - Line I - Traffic closure;
 - Line II - Traffic with speed limit of 50km/h;
- Removing the voltage from track II and ensuring the electric protection;
 - Demounting and removing the track on the area of the temporary bridge;
 - Removing from the track the temporary bridge type G12 and its foundations;
 - Partially demolishing the structures of the existing culvert, up to the train execution level along the culvert;
 - Mounting the other 4 precast elements type C3 and treating the joints between the precast elements according to the details from the design;
 - Excavating the remaining water upstream from the culvert;
 - Filling the space between the precast elements of the new culvert and the elevations of the existing culvert with concrete;
 - Excavating the side drains at the dimension, according to the details from the design;
 - Placing the waterproofing and the protection blanket of the waterproofing;
 - Excavating the filling, according to the Technical Specifications, renewing the embankment and the track in the culvert's area connecting the line of the existing level and position at the execution date;
 - Ensuring the continuity of the track circuits, the electric insulation of the rails and the electric protection;
 - Restoring the voltage to the contact line and opening the traffic with speed limits according to the CFR instructions;

- FAZA V - Linia II si linia III - circulatele cu viteza normala**
 - Linia II - Linia II si linia III - traffic with normal speed
- Montarea parapetului metallic de protectie;
 - Executarea pichetului pe interiorul podetului, stavarilor si intre zidurile de sprijin din amonte;
 - Pererea albei din oval de stavar pe 12m lungime;
 - Executarea soliei din ancoament de la capatul perelui;
 - Demontarea digului din orgia din amonte;
 - Se demontaza platformele de montaj si organizarea de santier si se restau terenurile ocupate temporar circuleta initial;
- STAGE V -**
 - Line II and line III - traffic with normal speed
- Mounting the metallic protection parapet;
 - Executing the piling inside the culvert, the dam end between the upstream retaining walls;
 - Pererea albei din oval de stavar pe 12m lungime;
 - Executing the sleepers mattresses from the end of the piling;
 - Demounting the upstream clay dyke;
 - Clearing-down the montage platforms and the site organization and restoring the sites occupied temporarily to the initial circuit;

NOTA:
 1. Podetul sa se execute obligatoriu inainte de executia lucrurilor la linii;
 2. Tehnologia de executie se poate adapta in functie de doborarea constructoarei;
 3. Orice neajurare cu proiectul la executie sa se aduca la cunoastina proiectantului pentru a stabili solutia;
 4. Convoaiul de calcul pentru podurile provizorii: 0.918.5;
 5. Circuleta pe podurile provizorii se face cu viteza de maxim 30 km/h.

NOTE:
 1. The culvert will be mandatory executed before the execution of the line works;
 2. The execution technology may be adapted depending on the contractor's endorsement;
 3. Any irregularity at execution with the design will be notified to the designer in order to find a solution;
 4. Calculation convey for the temporary bridges: 0.918.5;
 5. Traffic on the temporary bridges takes place with maximum speed 30 km/h