ETAPA I (MONTAREA PODURILOR PROVIZORII PE LINIA II)

1. SE DEMOLEAZA LOCAL ZIDURILE DE SPRIJIN DE LA CULEELE C1-I SI C2-I SI SE FAC EXCAVATIILE NECESARE PENTRU FORAREA COLOANELOR GARDAL/CIM SPATIILE CULEELOR PE LINIA II SI PARTIAL PENTRU COLOANELE CULEELOR DE PE LINIA I PANA LA LIMITA PERMISA DE PODURILE PROVIZORII;
2. SE TRASEAZA SI SE EXECUTA COLOANELE PENTRU FUNDATIILE CULEELOR DE PE LINIA II SI O PARTE DIN COLOANELE CULEELOR DE PE LINIA I.
3. SE EXECUTA FUNDATIILE DE BETON PENTRU PALELE METALICE CARE IMPREUNA CU FILELE SI CULEELE EXISTENTE VOR SUSTINE SUBANSAMBLURILE TABLIERULUI L=54.0 m IN SUBASSINDICULE.
4. SE INCHIDE PENTRU O SAPTAMANA CIRCULATIA RESTRICTIONATA DE PE LINIA I
5. SE SCOT PODURILE PROVIZORII L=22.0 m DIN CALE SI SE DEMONTEAZA PE TERAMENT IN SPATELE EXCAVATILOR
6. SE MONTEAZA CALEA PE PODURILE PROVIZORII
3. SE DEMONTEAZA TABLIERELE IPCS EXISTENTE PE PE LINIA II CU MACARAUA CF
4. SE DESCHIDE CIRCULAITA PE LINIA I, CU RESTRICTIE DE VITEZA DE 30 KM/H.

ETAPA I (ASSEMBLING EMERGENCY BRIDGES ON LINE II)

1. THE TRAFFIC IS CLOSED ON ALL LINES AND THE ELECTRICITY IS TURNED OFF.
2. THE PIERS
   - THE ABUTMENT DIRT WALL IS PARTIAL DEMOLISHED FOR ASSEMBLING THE EMERGENCY BRIDGES.
   - THE TRACK IS REMOVED ON APP. 30 M IN THE BACK OF THE ABUTMENTS; THE BALLAST PRISM IS EXCAVATED AND FROM THE EMBANKMENT IS EXCAVETED PARTIALLY ON APP 1.0 m.
   - THE PREFABRICATED BLOCKS ARE MOUNTED FOR LEANING THE EMERGENCY BRIDGES;
   - THE EMERGENCY BRIDGES WITH A MINIMUM L= 22 M ARE ASSEMBLED IN THE BACK OF THE ABUTMENT FROM THE LINE I.
   - THE TRACK IS MOUNTED ON THE EMERGENCY BRIDGES
3. THE EXISTING SUPERSTRUCTURES FROM LINE II ARE REMOVED WITH A RAILWAY CRANE.
4. THE TRAFFIC IS OPENED ON LINE I WITH A SPEED LIMIT BY 30 KM/h.

ETAPA II (EXECUTIA COLOANELOR CULEELOR IN INCHIDERE DE CIRCULATIE PE LINIA II)

1. SE FINALIZEAZA EXECUTIA COLOANELOR LA RADIERELE CULEELOR DE PE LINIA I.
2. SE MONTEAZA CU MACARAUA PE LINIA II SUBANSAMBLURILE TABLIERULUI L=54.0 m PE CULEELE NOI SI PE PALELE PROVIZORII.
3. SE EXECUTA ZIDURILE PENTRU REALIZAREA CONTRASAGETII TABLIERULUI.
4. SE SCOT REZEMARILE DE PE PALELE PROVIZORII SI SE COBORARA TABLIERUL PE REAZEMELE DEFINITIVE, PE CULEELE NOI.
5. SE EXECUTA CUVA DE BALAST DIN BETON SI COMPLETAREA ZIDURILOR DE GARDA ALE CULEELOR NOI
6. SE EXECUTA STRATURILE HIDROIZOLATIILE SI SE MONTEAZA CALEA PE POD IN CUVA DE BALAST;
7. SE REDESCHIDE CIRCULAITA CU RESTRICTIE DE VITEZA DE 5 KM/H IN PRIMELE 24 H SI DE 30 KM/H PANA LA CULEELE NOI
8. SE EXECUTA STRATURILE HIDROIZOLATIEI SI SE MONTEAZA CALEA PE POD IN CUVA DE BALAST;
9. SE REDESCHIDE CIRCULAITA CU RESTRICTIE DE VITEZA DE 5 KM/H IN PRIMELE 24 H SI DE 30 KM/H PANA LA FINALIZAREA LUCRARILOR LA PODURILE PROVIZORII
10. SE DEMONTEAZA CULEELE SI PILELE EXISTENTE.
11. SE EXECUTA SPARTUL DE CON LA CULEEA C2-I SI LUCRARILE ADIACENTE (TALUZARE, NIVELARI, SCARI PE TALUZ, SANTURI)
12.SE DESCHIDE CIRCULAITA CU VITEZA NORMALA PE AMBELE LINII.

ETAPA II (ABUTMENTS PILES EXECUTION WITH LINE II CLOSED)

1. THE RETAINING WALLS FROM THE ABUTMENTS C1-I AND C2-II ARE DEMOLISHED AND THE EXCAVATIONS FOR DRILLING THE PILES ARE MADE FOR THE FOUNDATION FRAMES FROM THE BACK OF THE ABUTMENT C1-I AND C1-II AND PARTIALLY FOR THE ABUTMENT PILES FROM THE LINE I UNTIL THE LIMIT OF EMERGENCY BRIDGES.
2. THE PILES FOR THE ABUTMENTS FROM LINE II AND PARTIALLY THE PILES FOR THE ABUTMENTS FROM LINE I ARE LAYED OUT AND EXECUTED.
3. THE CONCRETE FOUNDATION FOR METALLIC BRIDGE BENTS IS EXECUTED WHICH TOGHETHER WITH THE EXISTING PIERS AND ABUTMENTS WILL SUSTAIN THE BRIDGE L=54 m) SUBASSEMBLIES DURING THE ASSEMBLING.
   SE EXECUTA FUNDATIILE DE BETON PENTRU PALELE METALICE CARE IMPREUNA CU FILELE SI CULEELE EXISTENTE VOR SUSTINE SUBANSAMBLURILE TABLIERULUI L=54.0 m IN TIMPUL MONTAJULUI.
4. THE TRAFFIC FROM LINE I WILL BE CLOSED FOR 1 WEEK
5. THE EMERGENCY BRIDGES L=22.0 m ARE REMOVED FROM THE TRACK AND STORED ON THE RAILROAD EMBANKMENT IN THE BACK OF THE EXCAVATIONS.

ETAPA III (EXECUTIA CULEELOR IN INCHIDERE DE CIRCULATIE PE LINIA II)

1. THE EXECUTION OF PILES FOR THE LINE I ABUTMENTS IS FINALIZED;
2. THE EMERGENCY BRIDGES ARE REENSERTED ON TRACK I AND EMERGENCY BRIDGE G=22 ON TRACK III.
3. THE TRAFIC IS OPENED AGAIN ON LINE I WITH A SPEED LIMIT BY 30 KM/h
4. THE LINE II ABUTMENTS FOUNDATION FRAMES (FROM LINES I AND II) AND THE ABUTMENTS ELEVATIONS ARE EXECUTED.
   DUPA ATINGEREA CLASEI BETOANELOR SE EXECUTA RADIERELE CULEELOR FIR I SI II SI ELEVATILE CULEELOR FIR II
5. THE RETAINING WALL Z-2 AND WINGWALL A-1 ARE CONSTRUCTED.

ETAPA III (ABUTMENTS BUILDING WITH TRAFFIC CLOSED ON LINE II)

1. THE EXECUTION OF PILES FOR THE LINE I ABUTMENTS IS FINALIZED;
2. THE EMERGENCY BRIDGES ARE REENSERTED ON TRACK I AND EMERGENCY BRIDGE G=22 ON TRACK III.
3. THE TRAFIC IS OPENED AGAIN ON LINE I WITH A SPEED LIMIT BY 30 KM/h
4. THE LINE II ABUTMENTS FOUNDATION FRAMES (FROM LINES I AND II) AND THE ABUTMENTS ELEVATIONS ARE EXECUTED.
   DUPA ATINGEREA CLASEI BETOANELOR SE EXECUTA RADIERELE CULEELOR FIR I SI II SI ELEVATILE CULEELOR FIR II
5. THE RETAINING WALL Z-2 AND WINGWALL A-1 ARE CONSTRUCTED.

ETAPA IV (MONTAJUL TABLIERULUI GZC) L=54.0 m PE LINIA II)

1. SE INCHIDE CIRCULAITA PE LINILE INFERIOARE ALE PODULUI DE INCRUCISARE.
2. SE MONTEAZA CU MACARAUA PE LINIA II SUBANSAMBLURILE TABLIERULUI L=54.0 m PE CULEELE NOI SI PE PALELE PROVIZORII.
3. SE EXECUTA SUDURA PENTRU REALIZAREA CONTRASAGETII TABLIERULUI.
4. SE SCOT REZEMARILE DE PE PALELE PROVIZORII SI SE COBORARA TABLIERUL PE REAZEMELE DEFINITIVE, PE CULEELE NOI.
5. SE EXECUTA CUVA DE BALAST DIN BETON SI COMPLETAREA ZIDURILOR DE GARDA ALE CULEELOR NOI
6. SE EXECUTA STRATURILE HIDROIZOLATIEI SI SE MONTEAZA CALEA PE POD IN CUVA DE BALAST;
7. SE REDESCHIDE CIRCULAITA CU RESTRICTIE DE VITEZA DE 5 KM/H IN PRIMELE 24 H SI DE 30 KM/H PANA LA CULEELE NOI
8. SE EXECUTA STRATURILE HIDROIZOLATIEI SI SE MONTEAZA CALEA PE POD IN CUVA DE BALAST;
9. SE REDESCHIDE CIRCULAITA CU RESTRICTIE DE VITEZA DE 5 KM/H IN PRIMELE 24 H SI DE 30 KM/H PANA LA FINALIZAREA LUCRARILOR LA POD PE AMBELE LINII.
10. SE DEMONTEAZA CULEELE SI PILELE EXISTENTE.
11. SE EXECUTA SPARTUL DE CON LA CULEEA C2-I SI LUCRARILE ADIACENTE (TALUZARE, NIVELARI, SCARI PE TALUZ, SANTURI)
12.SE DESCHIDE CIRCULAITA CU VITEZA NORMALA PE AMBELE LINII.

ETAPA IV (ASSEMBLING THE SUPERSTRUCTURE L=54.0 m ON LINE II)

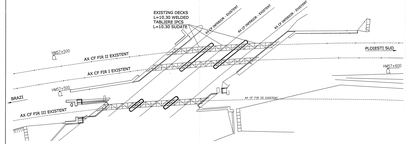
1. THE TRAFFIC IS CLOSED ON THE TRACKS UNDER THE BRIDGE.
2. THE BRIDGE (L=54m) SUBASSEMBLIES FROM THE LINE I ARE ASSEMBLED WHIT A CRANE ON THE NEW ABUTMENTS AND ON THE TEMPORARY BENTS.
3. THERE ARE PERFORMED ADJUSTMENTS FOR ATTAINING THE BRIDGE CAMBERING.
4. THE BRIDGE SUBASSEMBLIES ARE MOUNTED ON THE TEMPORARY BENTS AND THE SUPERSTRUCTURE IS LOWERED,ON THE DEFINITIVE BEARINGS, ON THE NEW ABUTMENTS.
   SE SCOT REZEMARILE DE PE PALELE PROVIZORII SI SE COBORARA TABLIERUL PE REAZEMELE DEFINITIVE, PE CULEELE NOI.
5. THE CONCRETE SLAB IS CONSTRUCTED AND THE DIRT WALLS FROM THE NEW ABUTMENTS ARE COMPLETED
6. THE WATERPROOF LAYERS ARE MADE AND THE TRACK IS ASSEMBLED ON THE BALLAST
7. THE TRAFFIC IS REOPENED ON LINE I WITH A SPEED LIMIT BY 5 KM/h IN THE FIRST 24 HOURS AND BY 30 KM/h UNTIL THE END OF THE BRIDGE WORK ON BOTH LINE.
8. THE TRAFFIC IS REOPENED ON THE INFERIOR TRACKS WITH A SPEED LIMIT BY 5 KM/h
9. THE EMERGENCY BRIDGES AND THE OLD SUPERSTRUCTURES ARE DISSASAMBLED FROM THE LINE I AND LINE III.

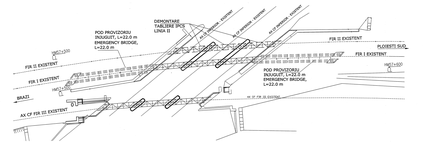
ETAPA V (MONTAJUL TABLIERULUI GZC) L=54.0 m PE LINIA I)

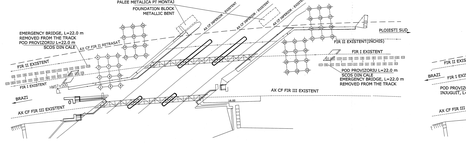
1. SE EXECUTA BLEVATILE CULEELOR DE PE LINIA I SI ZIDUL DE SPRIJIN Z-1
2. SE INCHIDE CIRCULAITA PE LINILE INFERIOARE ALE PODULUI DE INCRUCISARE.
3. SE MONTEAZA CU MACARAUA PE LINIA I SUBANSAMBLURILE TABLIERULUI L=54.0 m PE CULEELE NOI SI PE PALELE PROVIZORII.
4. SE EXECUTA REGLAJE PENTRU REALIZAREA CONTRASAGETII TABLIERULUI.
5. SE SCOT REZEMARILE DE PE PALELE PROVIZORII SI SE COBORARA TABLIERUL PE REAZEMELE DEFINITIVE, PE CULEELE NOI.
6. SE EXECUTA CUVA DE BALAST DIN BETON SI COMPLETAREA ZIDURILOR DE GARDA ALE CULEELOR NOI
7. SE EXECUTA STRATURILE HIDROIZOLATIEI SI SE MONTEAZA CALEA PE POD IN CUVA DE BALAST;
8. SE REDESCHIDE CIRCULAITA CU RESTRICTIE DE VITEZA DE 5 KM/H IN PRIMELE 24 H SI DE 30 KM/H PANA LA FINALIZAREA LUCRARILOR LA PODURILE PROVIZORII
9. SE REDESCHIDE CIRCULAITA CU RESTRICTIE DE 30 KM/H PE LINILE INFERIOARE
10. SE DEMONTEAZA PODURILE PROVIZORII SI TABLIERUL VECHI IPCS DE PE LINIA I SI PODUL PROVIZORIU G-22 DE PE LINIA III

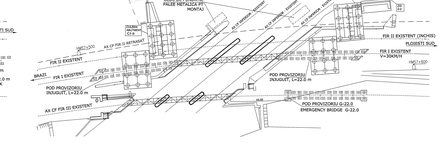
ETAPA V (ASSEMBLING THE SUPERSTRUCTURE L=54.0 m ON LINE I)

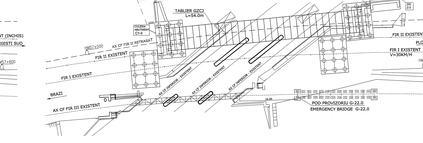
1. THE ABUTMENT ELEVATION FROM THE LINE I AND THE RETAINING WALL Z-1 ARE CONSTRUCTED
2. THE TRAFFIC IS CLOSED ON THE TRACKS UNDER THE BRIDGE.
3. THE BRIDGE (L=54m) SUBASSEMBLIES FROM THE LINE I ARE ASSEMBLED WHIT A CRANE ON THE NEW ABUTMENTS AND ON THE TEMPORARY BENTS.
4. THERE ARE PERFORMED ADJUSTMENTS FOR ATTAINING THE BRIDGE CAMBERING.
5. THE BRIDGE SUBASSEMBLIES ARE MOUNTED ON THE TEMPORARY BENTS AND THE SUPERSTRUCTURE IS LOWERED, ON THE DEFINITIVE BEARINGS, ON THE NEW ABUTMENTS.
6. THE CONCRETE SLAB IS CONSTRUCTED AND THE DIRT WALLS FROM THE NEW ABUTMENTS ARE COMPLETED
7. THE WATERPROOF LAYERS ARE MADE AND THE TRACK IS ASSEMBLED ON THE BALLAST
8. THE FIRST 24 HOURS AND BY 30 KM/h UNTIL THE END OF THE BRIDGE WORK ON THE BRIDGE.
9. THE TRAFFIC IS REOPENED ON THE INFERIOR TRACKS WITH A SPEED LIMIT BY 30 KM/h
10. THE CLUSTER CONE FROM THE ABUTMENT C2-I AND THE ADJACENT WORKS (EMBANKMENTS, LEVELINGS, STAIRS, DITCHES)
11. THE TRAFFIC IS OPENED WITH THE NORMAL SPEED ON THE NEW BRIDGE.

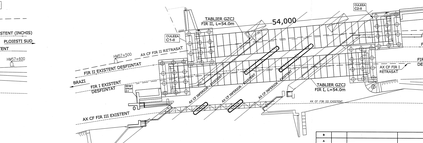












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