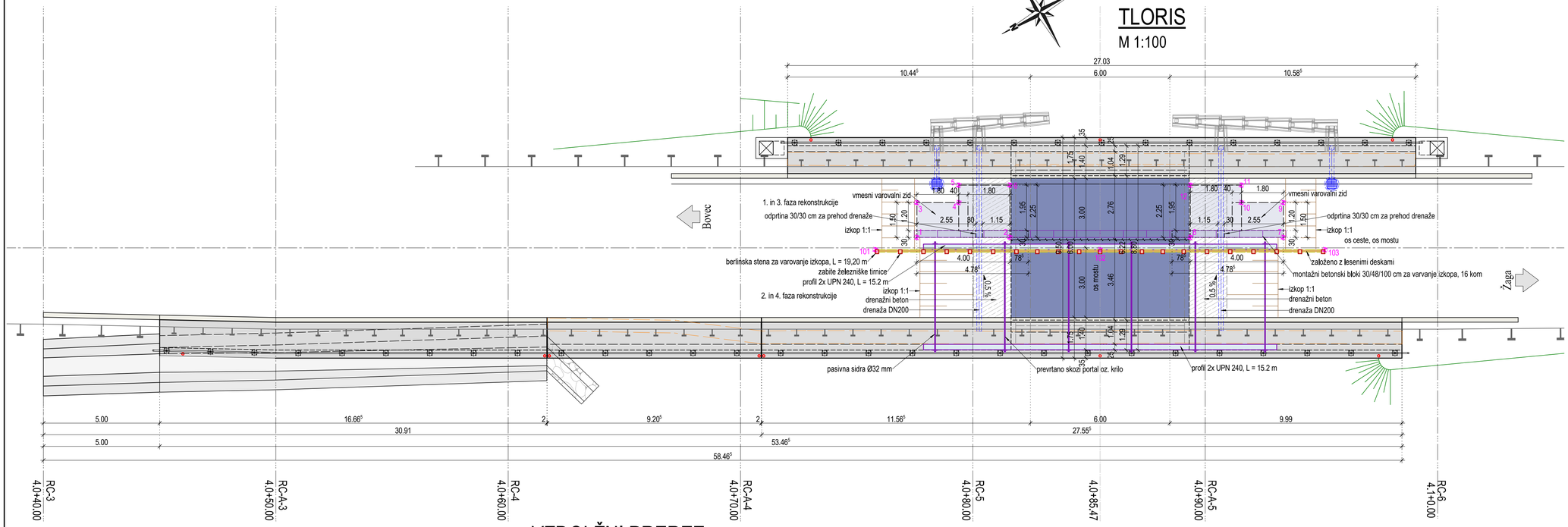
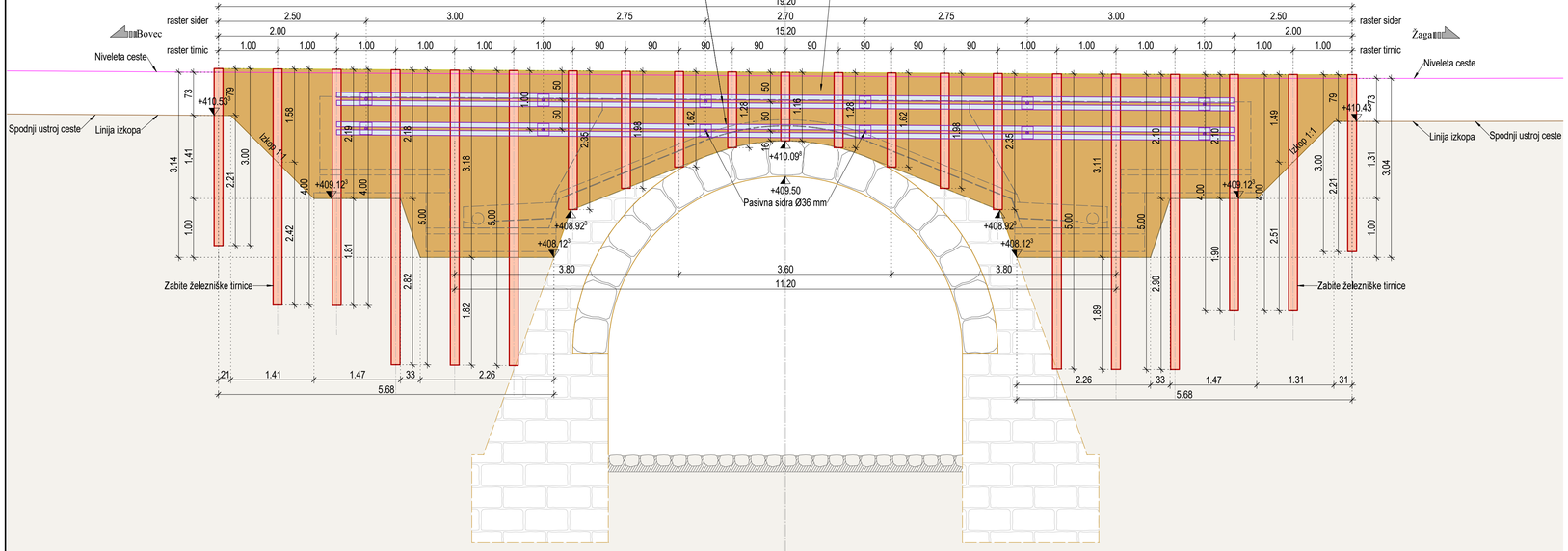
# TLORIS

M 1:100



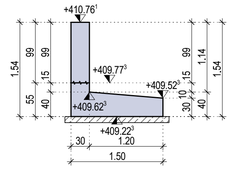

# VZDOLŽNI PREREZ

1:50



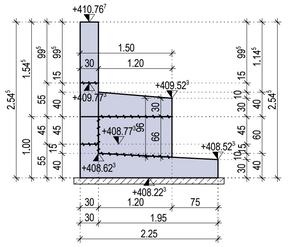

# PRERES 1-1

1:50



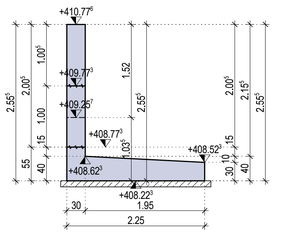

# PRERES 2-2

1:50



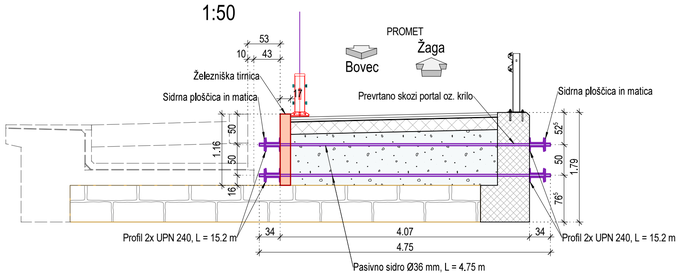

# PRERES 3-3

1:50



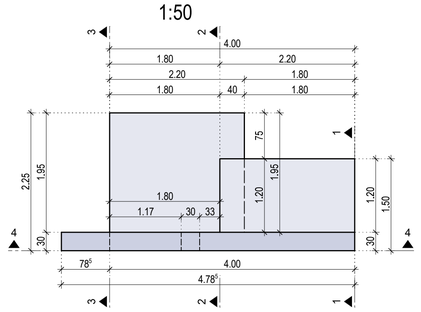

# PREČNI PREREZ

1:50



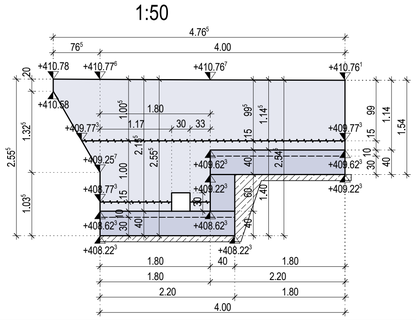

# TLORIS ZIDU

1:50




# PRERES 4-4

1:50




## KOSOVNICA VAROVANJA GRADBENE JAME

- železniške tirnice
  - L = 5 m, 6 kom
  - L = 4 m, 4 kom
  - L = 3 m, 2 kom
  - L = 2.35 m, 2 kom
  - L = 1.98 m, 2 kom
  - L = 1.62 m, 2 kom
  - L = 1.28 m, 2 kom
  - L = 1.16 m, 1 kom
- les za zalaganje med tirnicami, debelina 14 cm, cca. 40 $m^2$ površine
- profil za sidranje 2x UPN 240
  - L = 15.2 m, 2 kom
- pasivna sidra, premer 36 mm, dolžina 4.75 m, 12 kom (vključno s sidrno ploščico in matico obojestrasko)

## ZAKOLIČNE TOČKE -VMESNI VAROVALNI ZID

| ŠTEVILKA | GKY (easting) [m] | GKX (northing) [m] |
|---|---|---|
| 1 | 387163.644 | 133153.919 |
| 2 | 387161.655 | 133150.448 |
| 3 | 387164.945 | 133153.173 |
| 4 | 387164.050 | 133151.611 |
| 5 | 387164.701 | 133151.238 |
| 6 | 387163.607 | 133149.329 |
| 7 | 387155.802 | 133140.237 |
| 8 | 387157.791 | 133143.708 |
| 9 | 387157.103 | 133139.492 |
| 10 | 387157.998 | 133141.053 |
| 11 | 387158.649 | 133140.680 |
| 12 | 387159.743 | 133142.589 |

## ZAKOLIČNE TOČKE - BERLINSKA STENA

| ŠTEVILKA | GKY (easting) [m] | GKX (northing) [m] |
|---|---|---|
| 101 | 387164.074 | 133155.735 |
| 102 | 387159.263 | 133147.342 |
| 103 | 387154.451 | 133138.948 |

## PODATKI O MATERIALIH

### BETON

LASTNOSTI V SKLADU S SIST EN 206:2013, SIST 1026:2016 IN SIST EN 13670:2010, LASTNOSTI JEKLA V SKLADU S SIST EN 10080:2005

| Konstrukcijski element | Mejne vrednosti za sestavo betona: Min. trd. raz. betona C (N/mm²) | Ekspozicijski razred | Odpornost proti vodi | Maksimalna velikost agregata (mm) | Razr. vsebnosti kloridov | Izvedba konstrukcijskega elementa | JEKLO: Min. trd. raz. jekla $f_{yk}$ (N/mm²) | Zaščitni sloj: Zgornja stran | Spodnja stran | Bočna stran | Čelna stran |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DOBETONIRANJE OBOKA | C30/37 | XF2 XD1 | PV-II | D32 | S4 | VB-II | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| NOVI PORTALI IN NADGRADNJA KRIL | C30/37 | XF2 XD1 | PV-II | D32 | S4 | VB-III | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| OBBETONIRANJE KRIL | C30/37 | XF2 XD1 | PV-II | D16 | S4 | VB-III | SCC-ARMIRAN BETON | B500-B | 5,0 | 2,5 | 5,0 | 5,0 |
| VMESNI VAROVALNI ZID | C25/30 | XC4 | PV-II | D32 | S4 | VB-II | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| METEORNI JAREK | C35/45 | XF4 XD3 XM3 | PV-II | D32 | S4 | VB-III | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| NADGRADNJA METEORNEGA JARKA ZA HODNIK | C30/37 | XF2 XD1 | PV-II | D32 | S4 | VB-III | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| HODNIKI IN ROBNI VENCI | C30/37 | XF4 XD3 | PV-II | D16 | S4 | VB-III | ARMIRAN BETON | B500-B | 4,5 | 2,5 | 4,5 | - |
| PODBETON | C12/15 | X0 | - | D16 | S1 | VB-I | NEARMIRAN BETON | - | - | - | - | - |

Uporabijo se lahko distančniki iz vlaknastega betona. Distančniki, ki so iz vlaknastega betona ali betona ne smejo vsebovat azbesta, obstojni morajo biti na staranje, zagotavljati morajo min. tlačno trdnost do 700 kPa, posebej morajo biti namenjeni za strukturni in vidni beton, izpolnjevat morajo zahteve za beton in armiran beton po SIST EN 206-1:2003 in protipožarne predpise SIST EN 1991-1-2 in DIN 4201. Imeti morajo tudi enak razteznostni koeficient kot beton.

### KONSTRUKCIJSKO JEKLO

LASTNOSTI V SKLADU S SIST EN 10025-1:2004, SIST EN 10210-1:2006, SIST EN 10219-1:2006 IN SIST EN 10365:2017, IZDELAVA V SKLADU S SIST EN 1090-2:2018

| Konstrukcijski element | Vrsta jekla | Razred zaščite proti korozij | Način zaščite proti korozij | Ostalo |
|---|---|---|---|---|
| VARNOSTNE OGRAJE | S 235 JR+Z | C5I | vroče cinkano min, 85 um | ozemljitev jeklenih delov |
| VAROVALNE OGRAJE ZA PEŠCE | S 235 JR+Z | C5I | vroče cinkano min, 85 um | ozemljitev jeklenih delov |

Antikorozijska zaščita z vročim cinkanjem se izvede na gotovih elementih. Naknadno vrtanje, rezanje, brušenje, poškanje, varjenje,... ni dovoljeno! Spajanje posameznih elementov samo z mehanskimi spoji. Izdelavo in montažo jeklenih delov izvesti v skladu s SIST EN 1090-2, razred izdelave je EXC2 za ograje in razpore.

### SPLOŠNA NAVODILA GRADNJE

VSI BETONSKI ROBOVI POSNETI MIN. 3/3 CM, RAZEN KADAR SPECIFICIRANO DRUGAČE.
DELOVNI STIKI IN DILATACIJSKI STIKI TESNILNIMI TRAKOVI, PREBOJI ZARADI OPAŽEVANJA SE ZATESNIJO PO ODSTRANITVI OPAŽA.
V SKLADU S SIST EN 13670:2010 SPADA MOST V 3. IZVEDBENI RAZRED IN 2. RAZRED GEOMETRIJSKIH TOLERANC.

| sprememba | opis spremembe | datum | podpis |
|---|---|---|---|
| | | | |
| | | | |

naročnik/investitor:
REPUBLIKA SLOVENIJA
MINISTRSTVO ZA INFRASTRUKTURO
DIREKCIJA REPUBLIKE SLOVENIJE ZA INFRASTRUKTURO

cesta/lokacija:
R1-203/1003 Bovec - Žaga v km 4,050

projektant:
KO-BIRO d.o.o.
Miniška ulica 32
2000 Maribor
tel.: 02 222 82 391
e-mail: info@ko-biro.si
IZS 0446

odsek/objekt:
Rehabilitacija/sanacija mostu čez hudourniško strugo (GO0026), na cesti R1-203/1003 Bovec - Žaga v km 4,050

projektant načrta:
KO-BIRO d.o.o.
Miniška ulica 32
2000 Maribor
tel.: 02 222 82 391
e-mail: info@ko-biro.si
IZS 0446

vrsta projekta: IZN
št. projekta: 1429
št. načrta: 1429/MOS
datum: oktober 2025
vrsta načrta: 2 Načrt s področja gradbeništva
2/1 Načrt rekonstrukcije mostu

| | ime in priimek | id. številka |
|---|---|---|
| vodja projektiranja: | Mitja MULEC mag. inž. grad. | G-4583 |
| vodja načrta: | Mitja MULEC mag. inž. grad. | G-4583 |
| sodelavec načrta: | Rok GRADIŠNIK mag. inž. grad. | |

vsebina/naslov risbe:
SHEMA VAROVANJA GRADBENE JAME

merilo: 1:50
št. lista: 02-09

| št. odseka | arh. št. | fazaobjekt: | šifra risbe: |
|---|---|---|---|
| 1003 | 4094.00 | 007.2160 | G.255 |

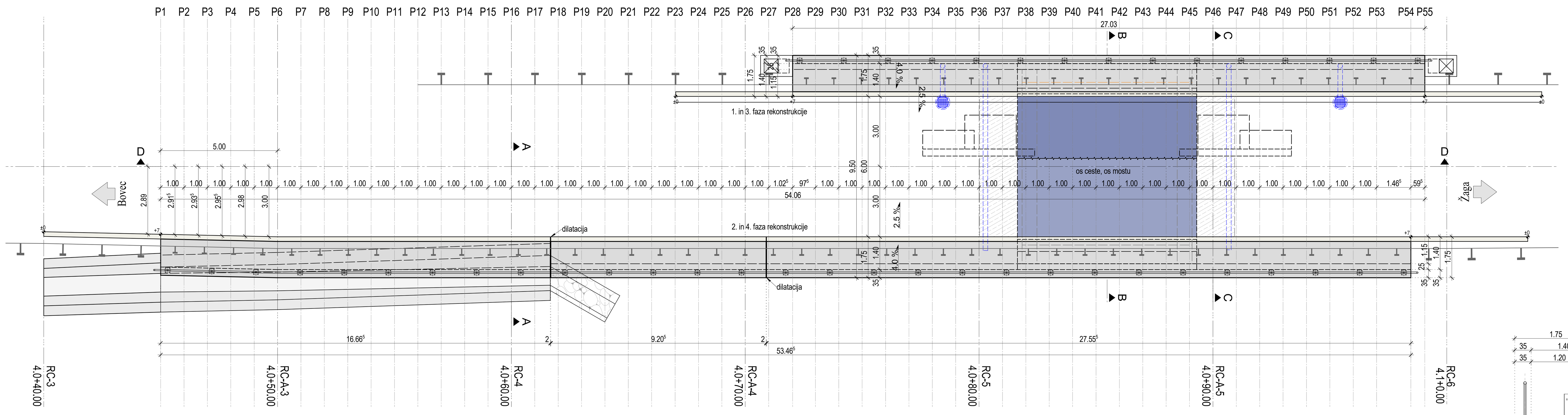
prostor za črno kodo:

Vse pravice pridržane. Projektna dokumentacija je last podjetja KO-BIRO d.o.o., ki je lastnik avtorskih pravic. Prepovedana je vsakršna javna raba, kopiranje ali druge oblike posnemavanja celotne vsebine ali posameznih delov projektne dokumentacije, brez predhodnega pisnega soglasja podjetja KO-BIRO d.o.o..

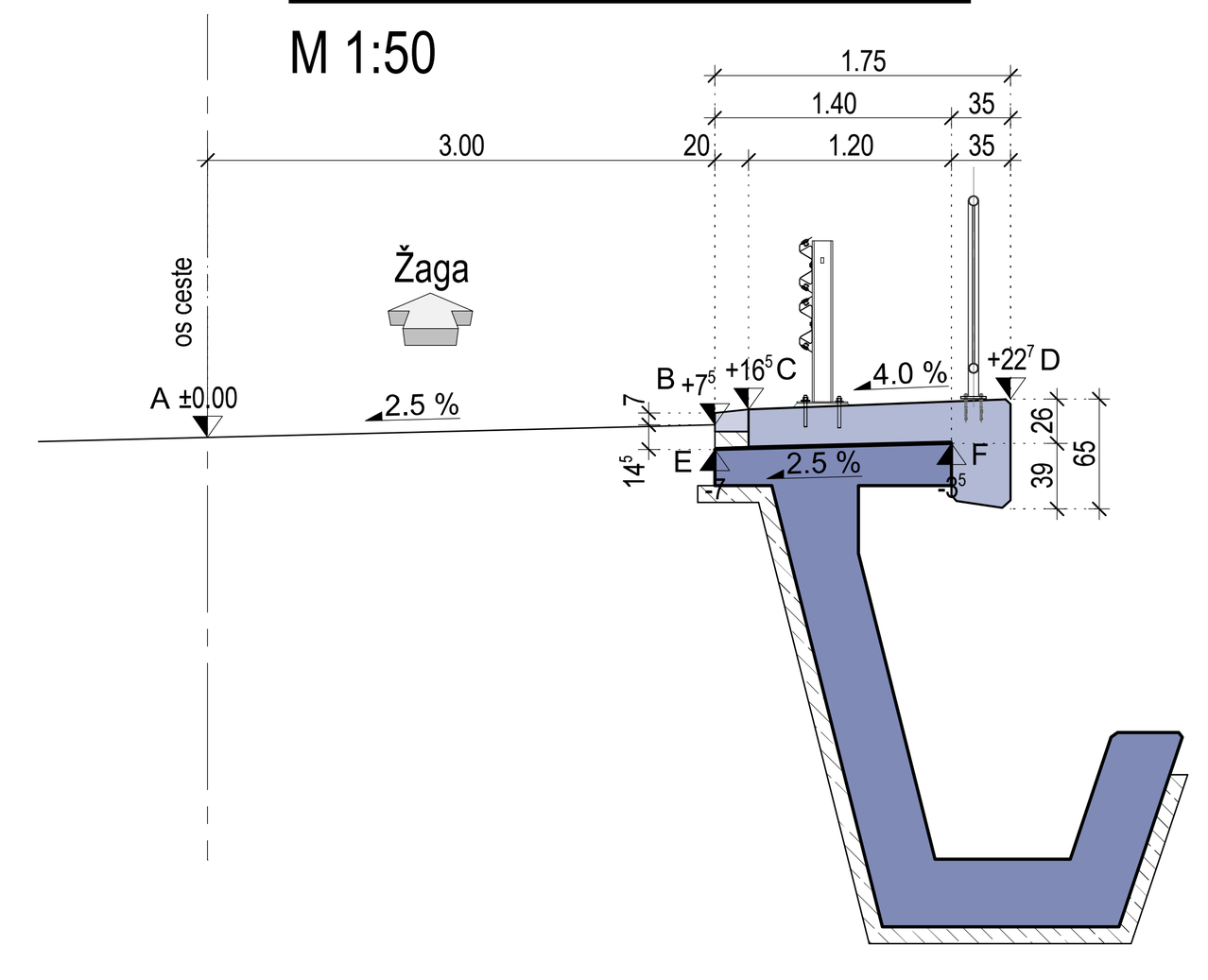
V/Š = 594 / 841 (0.50m2)

Allplan 2025

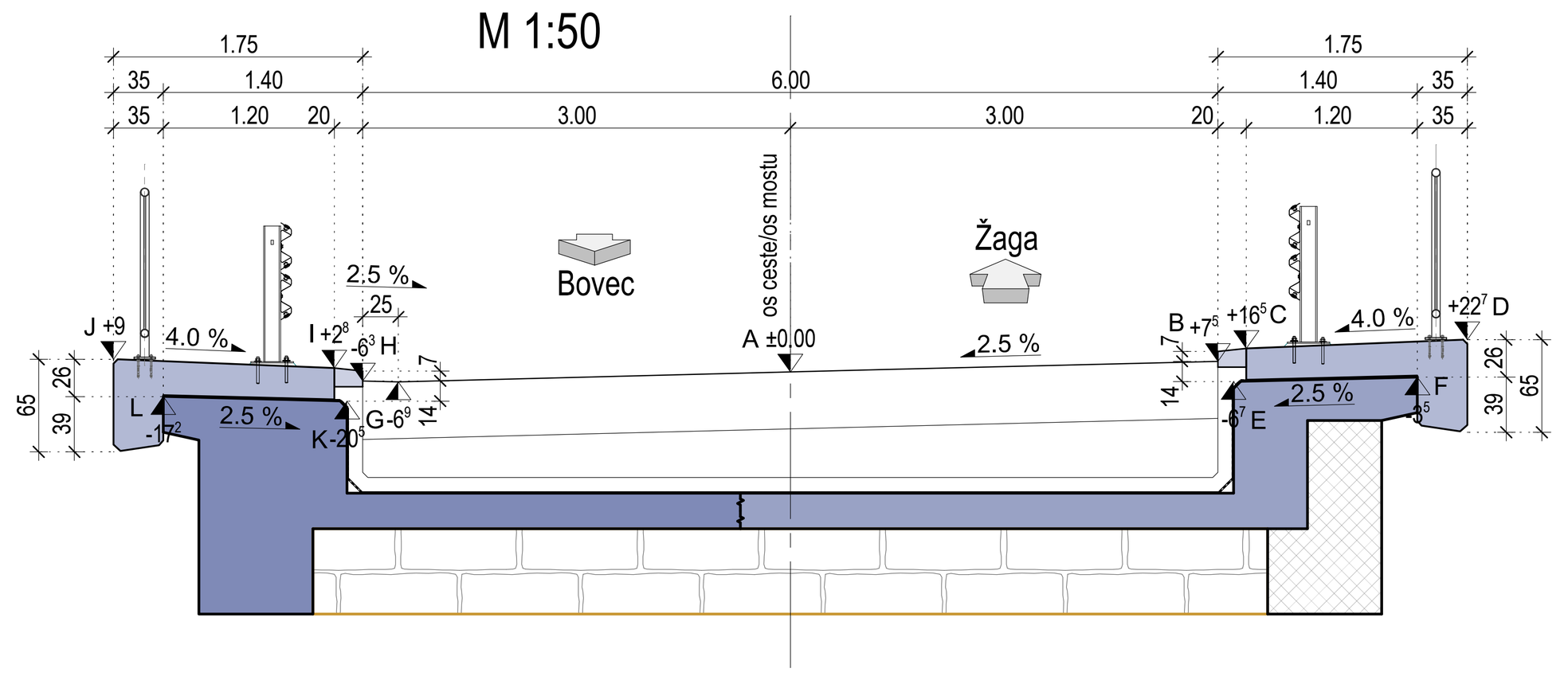
# TLORIS
M 1:100



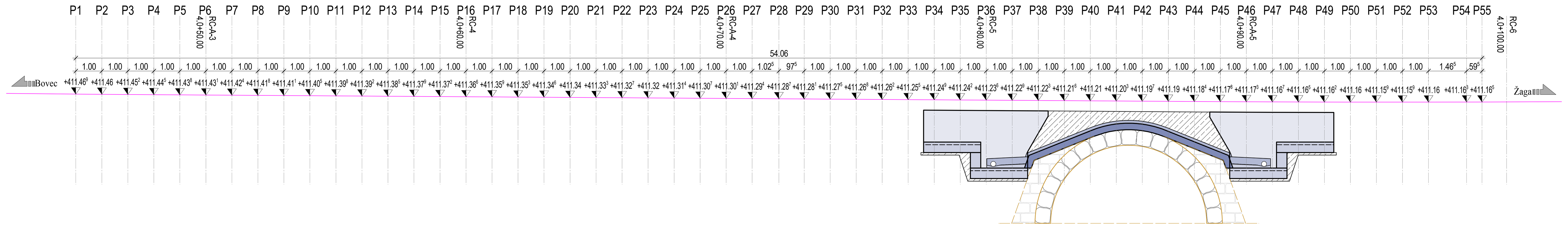
# PREČNI PREREZ A-A
M 1:50



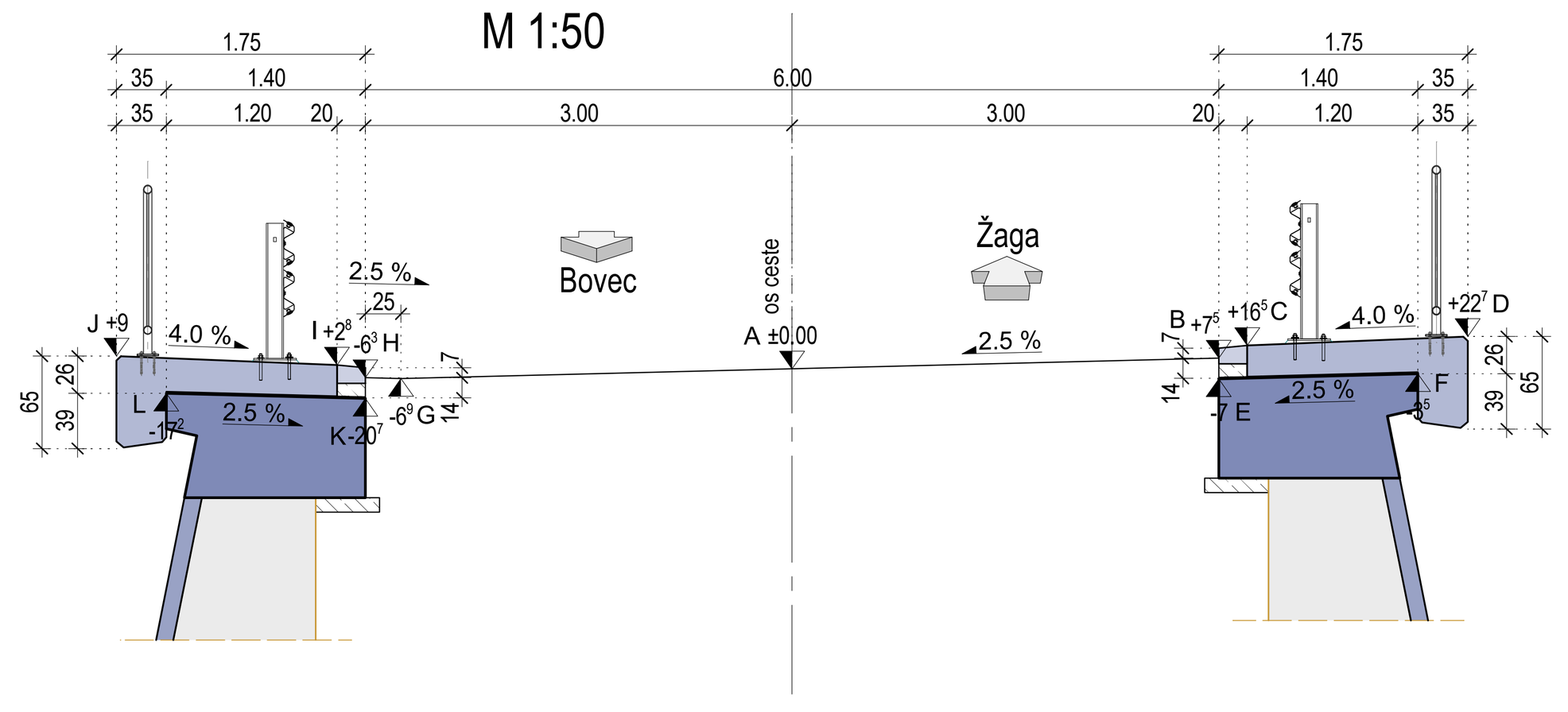
# PREČNI PREREZ B-B
M 1:50



# VZDOLŽNI PREREZ D-D
1:100



# PREČNI PREREZ C-C
M 1:50



| PROFIL | RAZMAK (m) | točka A | | | točka B | | | točka C | | | točka D | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) |
| P1 | / | 387179,461 | 133182,416 | 411,469 | 387176,952 | 133183,854 | 411,544 | 387176,778 | 133183,954 | 411,634 | 387175,433 | 133184,725 | 411,696 |
| P2 | 1,00 | 387178,963 | 133181,548 | 411,460 | 387176,435 | 133182,997 | 411,535 | 387176,262 | 133183,097 | 411,625 | 387174,917 | 133183,868 | 411,687 |
| P3 | 1,00 | 387178,466 | 133180,681 | 411,452 | 387175,919 | 133182,141 | 411,527 | 387175,746 | 133182,240 | 411,617 | 387174,401 | 133183,011 | 411,679 |
| P4 | 1,00 | 387177,969 | 133179,813 | 411,445 | 387175,403 | 133181,284 | 411,520 | 387175,230 | 133181,383 | 411,610 | 387173,885 | 133182,154 | 411,672 |
| P5 | 1,00 | 387177,471 | 133178,946 | 411,438 | 387174,887 | 133180,427 | 411,513 | 387174,714 | 133180,526 | 411,603 | 387173,369 | 133181,297 | 411,665 |
| P6 | 1,00 | 387176,974 | 133178,078 | 411,431 | 387174,371 | 133179,570 | 411,506 | 387174,198 | 133179,670 | 411,596 | 387172,853 | 133180,440 | 411,658 |
| P7 | 1,00 | 387176,477 | 133177,211 | 411,424 | 387173,874 | 133178,702 | 411,499 | 387173,701 | 133178,802 | 411,589 | 387172,356 | 133179,573 | 411,651 |
| P8 | 1,00 | 387175,979 | 133176,343 | 411,418 | 387173,377 | 133177,835 | 411,493 | 387173,203 | 133177,934 | 411,583 | 387171,858 | 133178,705 | 411,645 |
| P9 | 1,00 | 387175,482 | 133175,475 | 411,411 | 387172,879 | 133176,967 | 411,486 | 387172,706 | 133177,067 | 411,576 | 387171,361 | 133177,838 | 411,638 |
| P10 | 1,00 | 387174,985 | 133174,608 | 411,405 | 387172,382 | 133176,100 | 411,480 | 387172,209 | 133176,199 | 411,570 | 387170,864 | 133176,970 | 411,632 |
| P11 | 1,00 | 387174,487 | 133173,740 | 411,398 | 387171,885 | 133175,232 | 411,473 | 387171,711 | 133175,332 | 411,563 | 387170,367 | 133176,102 | 411,625 |
| P12 | 1,00 | 387173,990 | 133172,873 | 411,392 | 387171,387 | 133174,365 | 411,467 | 387171,214 | 133174,464 | 411,557 | 387169,869 | 133175,235 | 411,619 |
| P13 | 1,00 | 387173,493 | 133172,005 | 411,385 | 387170,890 | 133173,497 | 411,460 | 387170,717 | 133173,597 | 411,550 | 387169,372 | 133174,367 | 411,612 |
| P14 | 1,00 | 387172,996 | 133171,138 | 411,379 | 387170,393 | 133172,629 | 411,454 | 387170,219 | 133172,729 | 411,544 | 387168,875 | 133173,500 | 411,606 |
| P15 | 1,00 | 387172,498 | 133170,270 | 411,372 | 387169,896 | 133171,762 | 411,447 | 387169,722 | 133171,861 | 411,537 | 387168,377 | 133172,632 | 411,599 |
| P16 | 1,00 | 387172,001 | 133169,402 | 411,366 | 387169,398 | 133170,894 | 411,441 | 387169,225 | 133170,994 | 411,531 | 387167,880 | 133171,765 | 411,593 |
| P17 | 1,00 | 387171,504 | 133168,535 | 411,359 | 387168,901 | 133170,027 | 411,434 | 387168,727 | 133170,126 | 411,524 | 387167,383 | 133170,897 | 411,586 |
| P18 | 1,00 | 387171,006 | 133167,667 | 411,353 | 387168,404 | 133169,159 | 411,428 | 387168,230 | 133169,259 | 411,518 | 387166,885 | 133170,029 | 411,580 |
| P19 | 1,00 | 387170,509 | 133166,800 | 411,346 | 387167,906 | 133168,292 | 411,421 | 387167,733 | 133168,391 | 411,511 | 387166,388 | 133169,162 | 411,573 |
| P20 | 1,00 | 387170,012 | 133165,932 | 411,340 | 387167,409 | 133167,424 | 411,415 | 387167,235 | 133167,524 | 411,505 | 387165,891 | 133168,294 | 411,567 |
| P21 | 1,00 | 387169,514 | 133165,065 | 411,333 | 387166,912 | 133166,556 | 411,408 | 387166,738 | 133166,656 | 411,498 | 387165,393 | 133167,427 | 411,560 |
| P22 | 1,00 | 387169,017 | 133164,197 | 411,327 | 387166,414 | 133165,689 | 411,402 | 387166,241 | 133165,788 | 411,492 | 387164,896 | 133166,559 | 411,554 |
| P23 | 1,00 | 387168,520 | 133163,329 | 411,320 | 387165,917 | 133164,821 | 411,395 | 387165,743 | 133164,921 | 411,485 | 387164,399 | 133165,692 | 411,547 |
| P24 | 1,00 | 387168,022 | 133162,462 | 411,314 | 387165,420 | 133163,954 | 411,389 | 387165,246 | 133164,053 | 411,479 | 387163,901 | 133164,824 | 411,541 |
| P25 | 1,00 | 387167,525 | 133161,594 | 411,307 | 387164,922 | 133163,086 | 411,382 | 387164,749 | 133163,186 | 411,472 | 387163,404 | 133163,956 | 411,534 |
| P26 | 1,00 | 387167,028 | 133160,727 | 411,301 | 387164,425 | 133162,219 | 411,376 | 387164,252 | 133162,318 | 411,466 | 387162,907 | 133163,089 | 411,528 |
| P27 | 1,00 | 387166,530 | 133159,859 | 411,294 | 387163,928 | 133161,351 | 411,369 | 387163,754 | 133161,451 | 411,459 | 387162,409 | 133162,221 | 411,521 |
| P28 | 1,03 | 387166,020 | 133158,968 | 411,287 | 387163,417 | 133160,460 | 411,362 | 387163,244 | 133160,560 | 411,452 | 387161,899 | 133161,331 | 411,514 |
| P29 | 0,98 | 387165,536 | 133158,124 | 411,281 | 387162,933 | 133159,616 | 411,356 | 387162,760 | 133159,715 | 411,446 | 387161,415 | 133160,486 | 411,508 |
| P30 | 1,00 | 387165,039 | 133157,256 | 411,275 | 387162,436 | 133158,748 | 411,350 | 387162,262 | 133158,848 | 411,440 | 387160,918 | 133159,619 | 411,502 |
| P31 | 1,00 | 387164,541 | 133156,389 | 411,268 | 387161,938 | 133157,881 | 411,343 | 387161,765 | 133157,980 | 411,433 | 387160,420 | 133158,751 | 411,495 |
| P32 | 1,00 | 387164,044 | 133155,521 | 411,262 | 387161,441 | 133157,013 | 411,337 | 387161,268 | 133157,113 | 411,427 | 387159,923 | 133157,884 | 411,489 |
| P33 | 1,00 | 387163,547 | 133154,654 | 411,255 | 387160,944 | 133156,146 | 411,330 | 387160,770 | 133156,245 | 411,420 | 387159,426 | 133157,016 | 411,482 |
| P34 | 1,00 | 387163,049 | 133153,786 | 411,249 | 387160,447 | 133155,278 | 411,324 | 387160,273 | 133155,378 | 411,414 | 387158,928 | 133156,148 | 411,476 |
| P35 | 1,00 | 387162,552 | 133152,919 | 411,242 | 387159,949 | 133154,410 | 411,317 | 387159,776 | 133154,510 | 411,407 | 387158,431 | 133155,281 | 411,469 |
| P36 | 1,00 | 387162,055 | 133152,051 | 411,236 | 387159,452 | 133153,543 | 411,311 | 387159,278 | 133153,642 | 411,401 | 387157,934 | 133154,413 | 411,463 |
| P37 | 1,00 | 387161,557 | 133151,183 | 411,229 | 387158,955 | 133152,675 | 411,304 | 387158,781 | 133152,775 | 411,394 | 387157,436 | 133153,546 | 411,456 |
| P38 | 1,00 | 387161,060 | 133150,316 | 411,223 | 387158,457 | 133151,808 | 411,298 | 387158,284 | 133151,907 | 411,388 | 387156,939 | 133152,678 | 411,450 |
| P39 | 1,00 | 387160,563 | 133149,448 | 411,216 | 387157,960 | 133150,940 | 411,291 | 387157,786 | 133151,040 | 411,381 | 387156,442 | 133151,811 | 411,443 |
| P40 | 1,00 | 387160,065 | 133148,581 | 411,210 | 387157,463 | 133150,073 | 411,285 | 387157,289 | 133150,172 | 411,375 | 387155,944 | 133150,943 | 411,437 |
| P41 | 1,00 | 387159,568 | 133147,713 | 411,203 | 387156,965 | 133149,205 | 411,278 | 387156,792 | 133149,305 | 411,368 | 387155,447 | 133150,075 | 411,430 |
| P42 | 1,00 | 387159,071 | 133146,846 | 411,197 | 387156,468 | 133148,337 | 411,272 | 387156,295 | 133148,437 | 411,362 | 387154,950 | 133149,208 | 411,424 |
| P43 | 1,00 | 387158,573 | 133145,978 | 411,190 | 387155,971 | 133147,470 | 411,265 | 387155,797 | 133147,569 | 411,355 | 387154,452 | 133148,340 | 411,417 |
| P44 | 1,00 | 387158,076 | 133145,110 | 411,184 | 387155,473 | 133146,602 | 411,259 | 387155,300 | 133146,702 | 411,349 | 387153,955 | 133147,473 | 411,411 |
| P45 | 1,00 | 387157,579 | 133144,243 | 411,178 | 387154,976 | 133145,735 | 411,253 | 387154,803 | 133145,834 | 411,343 | 387153,458 | 133146,605 | 411,405 |
| P46 | 1,00 | 387157,081 | 133143,375 | 411,173 | 387154,479 | 133144,867 | 411,248 | 387154,305 | 133144,967 | 411,338 | 387152,961 | 133145,738 | 411,400 |
| P47 | 1,00 | 387156,584 | 133142,508 | 411,167 | 387153,981 | 133144,000 | 411,242 | 387153,808 | 133144,099 | 411,332 | 387152,463 | 133144,870 | 411,394 |
| P48 | 1,00 | 387156,087 | 133141,640 | 411,165 | 387153,484 | 133143,132 | 411,240 | 387153,311 | 133143,232 | 411,330 | 387151,966 | 133144,002 | 411,392 |
| P49 | 1,00 | 387155,590 | 133140,773 | 411,162 | 387152,987 | 133142,265 | 411,237 | 387152,813 | 133142,364 | 411,327 | 387151,469 | 133143,135 | 411,389 |
| P50 | 1,00 | 387155,092 | 133139,905 | 411,160 | 387152,490 | 133141,397 | 411,235 | 387152,316 | 133141,496 | 411,325 | 387150,971 | 133142,267 | 411,387 |
| P51 | 1,00 | 387154,595 | 133139,037 | 411,159 | 387151,992 | 133140,529 | 411,234 | 387151,819 | 133140,629 | 411,324 | 387150,474 | 133141,400 | 411,386 |
| P52 | 1,00 | 387154,098 | 133138,170 | 411,159 | 387151,495 | 133139,662 | 411,234 | 387151,321 | 133139,761 | 411,324 | 387149,977 | 133140,532 | 411,386 |
| P53 | 1,00 | 387153,600 | 133137,302 | 411,160 | 387150,998 | 133138,794 | 411,235 | 387150,824 | 133138,894 | 411,325 | 387149,479 | 133139,665 | 411,387 |
| P54 | 1,47 | 387152,872 | 133136,031 | 411,163 | 387150,269 | 133137,523 | 411,238 | 387150,095 | 133137,623 | 411,328 | 387148,751 | 133138,394 | 411,390 |
| P55 | 0,60 | 387152,576 | 133135,516 | 411,165 | / | / | / | / | / | / | / | / | / |

| PROFIL | točka E | | | točka F | | | točka G | | | točka H | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) |
| P1 | 387176,952 | 133183,854 | 411,399 | 387175,737 | 133184,551 | 411,434 | / | / | / | / | / | / |
| P2 | 387176,435 | 133182,997 | 411,390 | 387175,221 | 133183,694 | 411,425 | / | / | / | / | / | / |
| P3 | 387175,919 | 133182,141 | 411,382 | 387174,705 | 133182,837 | 411,417 | / | / | / | / | / | / |
| P4 | 387175,403 | 133181,284 | 411,375 | 387174,189 | 133181,980 | 411,410 | / | / | / | / | / | / |
| P5 | 387174,887 | 133180,427 | 411,368 | 387173,672 | 133181,123 | 411,403 | / | / | / | / | / | / |
| P6 | 387174,371 | 133179,570 | 411,361 | 387173,157 | 133180,266 | 411,396 | / | / | / | / | / | / |
| P7 | 387173,874 | 133178,702 | 411,354 | 387172,659 | 133179,399 | 411,389 | / | / | / | / | / | / |
| P8 | 387173,377 | 133177,835 | 411,348 | 387172,162 | 133178,531 | 411,383 | / | / | / | / | / | / |
| P9 | 387172,879 | 133176,967 | 411,341 | 387171,665 | 133177,664 | 411,376 | / | / | / | / | / | / |
| P10 | 387172,382 | 133176,100 | 411,335 | 387171,167 | 133176,796 | 411,370 | / | / | / | / | / | / |
| P11 | 387171,885 | 133175,232 | 411,328 | 387170,670 | 133175,928 | 411,363 | / | / | / | / | / | / |
| P12 | 387171,387 | 133174,365 | 411,322 | 387170,173 | 133175,061 | 411,357 | / | / | / | / | / | / |
| P13 | 387170,890 | 133173,497 | 411,315 | 387169,676 | 133174,193 | 411,350 | / | / | / | / | / | / |
| P14 | 387170,393 | 133172,629 | 411,309 | 387169,178 | 133173,326 | 411,344 | / | / | / | / | / | / |
| P15 | 387169,896 | 133171,762 | 411,302 | 387168,681 | 133172,458 | 411,337 | / | / | / | / | / | / |
| P16 | 387169,398 | 133170,894 | 411,296 | 387168,184 | 133171,591 | 411,331 | / | / | / | / | / | / |
| P17 | 387168,901 | 133170,027 | 411,289 | 387167,686 | 133170,723 | 411,324 | / | / | / | / | / | / |
| P18 | 387168,404 | 133169,159 | 411,283 | 387167,189 | 133169,855 | 411,318 | / | / | / | / | / | / |
| P19 | 387167,906 | 133168,292 | 411,276 | 387166,692 | 133168,988 | 411,311 | / | / | / | / | / | / |
| P20 | 387167,409 | 133167,424 | 411,270 | 387166,194 | 133168,120 | 411,305 | / | / | / | / | / | / |
| P21 | 387166,912 | 133166,556 | 411,263 | 387165,697 | 133167,253 | 411,298 | / | / | / | / | / | / |
| P22 | 387166,414 | 133165,689 | 411,257 | 387165,200 | 133166,385 | 411,292 | / | / | / | / | / | / |
| P23 | 387165,917 | 133164,821 | 411,250 | 387164,702 | 133165,518 | 411,285 | / | / | / | / | / | / |
| P24 | 387165,420 | 133163,954 | 411,244 | 387164,205 | 133164,650 | 411,279 | / | / | / | / | / | / |
| P25 | 387164,922 | 133163,086 | 411,237 | 387163,708 | 133163,782 | 411,272 | / | / | / | / | / | / |
| P26 | 387164,425 | 133162,219 | 411,231 | 387163,210 | 133162,915 | 411,266 | / | / | / | / | / | / |
| P27 | 387163,928 | 133161,351 | 411,224 | 387162,713 | 133162,047 | 411,259 | / | / | / | / | / | / |
| P28 | 387163,417 | 133160,460 | 411,217 | 387162,203 | 133161,157 | 411,252 | 387168,406 | 133157,601 | 411,218 | 387168,623 | 133157,476 | 411,224 |
| P29 | 387162,933 | 133159,616 | 411,211 | 387161,719 | 133160,312 | 411,246 | 387167,922 | 133156,756 | 411,212 | 387168,139 | 133156,632 | 411,218 |
| P30 | 387162,436 | 133158,748 | 411,205 | 387161,221 | 133159,445 | 411,240 | 387167,424 | 133155,889 | 411,206 | 387167,641 | 133155,764 | 411,212 |
| P31 | 387161,938 | 133157,881 | 411,198 | 387160,724 | 133158,577 | 411,233 | 387166,927 | 133155,021 | 411,199 | 387167,144 | 133154,897 | 411,205 |
| P32 | 387161,441 | 133157,013 | 411,192 | 387160,227 | 133157,709 | 411,227 | 387166,430 | 133154,154 | 411,193 | 387166,647 | 133154,029 | 411,199 |
| P33 | 387160,944 | 133156,146 | 411,185 | 387159,729 | 133156,842 | 411,220 | 387165,932 | 133153,286 | 411,186 | 387166,149 | 133153,162 | 411,192 |
| P34 | 387160,447 | 133155,278 | 411,179 | 387159,232 | 133155,974 | 411,214 | 387165,435 | 133152,419 | 411,180 | 387165,652 | 133152,294 | 411,186 |
| P35 | 387159,949 | 133154,410 | 411,172 | 387158,735 | 133155,107 | 411,207 | 387164,938 | 133151,551 | 411,173 | 387165,155 | 133151,427 | 411,179 |
| P36 | 387159,452 | 133153,543 | 411,166 | 387158,237 | 133154,239 | 411,201 | 387164,440 | 133150,683 | 411,167 | 387164,657 | 133150,559 | 411,173 |
| P37 | 387158,955 | 133152,675 | 411,159 | 387157,740 | 133153,372 | 411,194 | 387163,943 | 133149,816 | 411,160 | 387164,160 | 133149,691 | 411,166 |
| P38 | 387158,362 | 133151,862 | 411,153 | 387157,243 | 133152,504 | 411,188 | 387163,446 | 133148,948 | 411,154 | 387163,663 | 133148,824 | 411,160 |
| P39 | 387157,865 | 133150,995 | 411,146 | 387156,745 | 133151,636 | 411,181 | 387162,949 | 133148,081 | 411,147 | 387163,165 | 133147,956 | 411,153 |
| P40 | 387157,367 | 133150,127 | 411,140 | 387156,248 | 133150,769 | 411,175 | 387162,451 | 133147,213 | 411,141 | 387162,668 | 133147,089 | 411,147 |
| P41 | 387156,870 | 133149,260 | 411,133 | 387155,751 | 133149,901 | 411,168 | 387161,954 | 133146,346 | 411,134 | 387162,171 | 133146,221 | 411,140 |
| P42 | 387156,373 | 133148,392 | 411,127 | 387155,253 | 133149,034 | 411,162 | 387161,457 | 133145,478 | 411,128 | 387161,673 | 133145,354 | 411,134 |
| P43 | 387155,875 | 133147,525 | 411,120 | 387154,756 | 133148,166 | 411,155 | 387160,959 | 133144,610 | 411,121 | 387161,176 | 133144,486 | 411,127 |
| P44 | 387155,378 | 133146,657 | 411,114 | 387154,259 | 133147,299 | 411,149 | 387160,462 | 133143,743 | 411,115 | 387160,679 | 133143,618 | 411,121 |
| P45 | 387154,881 | 133145,789 | 411,108 | 387153,761 | 133146,431 | 411,143 | 387159,965 | 133142,875 | 411,109 | 387160,182 | 133142,751 | 411,115 |
| P46 | 387154,479 | 133144,867 | 411,103 | 387153,264 | 133145,563 | 411,138 | 387159,467 | 133142,008 | 411,104 | 387159,684 | 133141,883 | 411,110 |
| P47 | 387153,981 | 133144,000 | 411,097 | 387152,767 | 133144,696 | 411,132 | 387158,970 | 133141,140 | 411,098 | 387159,187 | 133141,016 | 411,104 |
| P48 | 387153,484 | 133143,132 | 411,095 | 387152,270 | 133143,828 | 411,130 | 387158,473 | 133140,273 | 411,096 | 387158,690 | 133140,148 | 411,102 |
| P49 | 387152,987 | 133142,265 | 411,092 | 387151,772 | 133142,961 | 411,127 | 387157,975 | 133139,405 | 411,093 | 387158,192 | 133139,281 | 411,099 |
| P50 | 387152,490 | 133141,397 | 411,090 | 387151,275 | 133142,093 | 411,125 | 387157,478 | 133138,537 | 411,091 | 387157,695 | 133138,413 | 411,097 |
| P51 | 387151,992 | 133140,529 | 411,089 | 387150,778 | 133141,226 | 411,124 | 387156,981 | 133137,670 | 411,090 | 387157,198 | 133137,545 | 411,096 |
| P52 | 387151,495 | 133139,662 | 411,089 | 387150,280 | 133140,358 | 411,124 | 387156,483 | 133136,802 | 411,090 | 387156,700 | 133136,678 | 411,096 |
| P53 | 387150,998 | 133138,794 | 411,090 | 387149,783 | 133139,490 | 411,125 | 387155,986 | 133135,935 | 411,091 | 387156,203 | 133135,810 | 411,097 |
| P54 | 387150,269 | 133137,523 | 411,093 | 387149,054 | 133138,219 | 411,128 | 387155,258 | 133134,664 | 411,094 | 387155,474 | 133134,539 | 411,100 |
| P55 | / | / | / | / | / | / | 387154,962 | 133134,148 | 411,096 | 387155,179 | 133134,024 | 411,102 |

| PROFIL | točka I | | | točka J | | | točka K | | | točka L | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) | GKY (m) | GKX (m) | Z (m) |
| P1 | / | / | / | / | / | / | / | / | / | / | / | / |
| P2 | / | / | / | / | / | / | / | / | / | / | / | / |
| P3 | / | / | / | / | / | / | / | / | / | / | / | / |
| P4 | / | / | / | / | / | / | / | / | / | / | / | / |
| P5 | / | / | / | / | / | / | / | / | / | / | / | / |
| P6 | / | / | / | / | / | / | / | / | / | / | / | / |
| P7 | / | / | / | / | / | / | / | / | / | / | / | / |
| P8 | / | / | / | / | / | / | / | / | / | / | / | / |
| P9 | / | / | / | / | / | / | / | / | / | / | / | / |
| P10 | / | / | / | / | / | / | / | / | / | / | / | / |
| P11 | / | / | / | / | / | / | / | / | / | / | / | / |
| P12 | / | / | / | / | / | / | / | / | / | / | / | / |
| P13 | / | / | / | / | / | / | / | / | / | / | / | / |
| P14 | / | / | / | / | / | / | / | / | / | / | / | / |
| P15 | / | / | / | / | / | / | / | / | / | / | / | / |
| P16 | / | / | / | / | / | / | / | / | / | / | / | / |
| P17 | / | / | / | / | / | / | / | / | / | / | / | / |
| P18 | / | / | / | / | / | / | / | / | / | / | / | / |
| P19 | / | / | / | / | / | / | / | / | / | / | / | / |
| P20 | / | / | / | / | / | / | / | / | / | / | / | / |
| P21 | / | / | / | / | / | / | / | / | / | / | / | / |
| P22 | / | / | / | / | / | / | / | / | / | / | / | / |
| P23 | / | / | / | / | / | / | / | / | / | / | / | / |
| P24 | / | / | / | / | / | / | / | / | / | / | / | / |
| P25 | / | / | / | / | / | / | / | / | / | / | / | / |
| P26 | / | / | / | / | / | / | / | / | / | / | / | / |
| P27 | / | / | / | / | / | / | / | / | / | / | / | / |
| P28 | 387168,796 | 133157,377 | 411,315 | 387170,141 | 133156,606 | 411,377 | 387168,623 | 133157,476 | 411,080 | 387169,837 | 133156,780 | 411,115 |
| P29 | 387168,312 | 133156,533 | 411,309 | 387169,657 | 133155,762 | 411,371 | 387168,139 | 133156,632 | 411,074 | 387169,353 | 133155,936 | 411,109 |
| P30 | 387167,815 | 133155,665 | 411,303 | 387169,159 | 133154,894 | 411,365 | 387167,641 | 133155,764 | 411,068 | 387168,856 | 133155,068 | 411,103 |
| P31 | 387167,317 | 133154,797 | 411,296 | 387168,662 | 133154,027 | 411,358 | 387167,144 | 133154,897 | 411,061 | 387168,359 | 133154,201 | 411,096 |
| P32 | 387166,820 | 133153,930 | 411,290 | 387168,165 | 133153,159 | 411,352 | 387166,647 | 133154,029 | 411,055 | 387167,861 | 133153,333 | 411,090 |
| P33 | 387166,323 | 133153,062 | 411,283 | 387167,668 | 133152,291 | 411,345 | 387166,149 | 133153,162 | 411,048 | 387167,364 | 133152,466 | 411,083 |
| P34 | 387165,825 | 133152,195 | 411,277 | 387167,170 | 133151,424 | 411,339 | 387165,652 | 133152,294 | 411,042 | 387166,867 | 133151,598 | 411,077 |
| P35 | 387165,328 | 133151,327 | 411,270 | 387166,673 | 133150,556 | 411,332 | 387165,155 | 133151,427 | 411,035 | 387166,369 | 133150,730 | 411,070 |
| P36 | 387164,831 | 133150,460 | 411,264 | 387166,176 | 133149,689 | 411,326 | 387164,657 | 133150,559 | 411,029 | 387165,872 | 133149,863 | 411,064 |
| P37 | 387164,334 | 133149,592 | 411,257 | 387165,678 | 133148,821 | 411,319 | 387164,160 | 133149,691 | 411,022 | 387165,375 | 133148,995 | 411,057 |
| P38 | 387163,836 | 133148,724 | 411,251 | 387165,181 | 133147,954 | 411,313 | 387163,758 | 133148,769 | 411,016 | 387164,877 | 133148,128 | 411,051 |
| P39 | 387163,339 | 133147,857 | 411,244 | 387164,684 | 133147,086 | 411,306 | 387163,261 | 133147,902 | 411,009 | 387164,380 | 133147,260 | 411,044 |
| P40 | 387162,842 | 133146,989 | 411,238 | 387164,186 | 133146,218 | 411,300 | 387162,764 | 133147,034 | 411,003 | 387163,883 | 133146,393 | 411,038 |
| P41 | 387162,344 | 133146,122 | 411,231 | 387163,689 | 133145,351 | 411,293 | 387162,266 | 133146,166 | 410,996 | 387163,385 | 133145,525 | 411,031 |
| P42 | 387161,847 | 133145,254 | 411,225 | 387163,192 | 133144,483 | 411,287 | 387161,769 | 133145,299 | 410,990 | 387162,888 | 133144,657 | 411,025 |
| P43 | 387161,350 | 133144,387 | 411,218 | 387162,694 | 133143,616 | 411,280 | 387161,272 | 133144,431 | 410,983 | 387162,391 | 133143,790 | 411,018 |
| P44 | 387160,852 | 133143,519 | 411,212 | 387162,197 | 133142,748 | 411,274 | 387160,774 | 133143,564 | 410,977 | 387161,893 | 133142,922 | 411,012 |
| P45 | 387160,355 | 133142,651 | 411,206 | 387161,700 | 133141,881 | 411,268 | 387160,277 | 133142,696 | 410,971 | 387161,396 | 133142,055 | 411,006 |
| P46 | 387159,858 | 133141,784 | 411,201 | 387161,202 | 133141,013 | 411,263 | 387159,684 | 133141,883 | 410,966 | 387160,899 | 133141,187 | 411,001 |
| P47 | 387159,360 | 133140,916 | 411,195 | 387160,705 | 133140,145 | 411,257 | 387159,187 | 133141,016 | 410,960 | 387160,401 | 133140,320 | 410,995 |
| P48 | 387158,863 | 133140,049 | 411,193 | 387160,208 | 133139,278 | 411,255 | 387158,690 | 133140,148 | 410,958 | 387159,904 | 133139,452 | 410,993 |
| P49 | 387158,366 | 133139,181 | 411,190 | 387159,711 | 133138,410 | 411,252 | 387158,192 | 133139,281 | 410,955 | 387159,407 | 133138,584 | 410,990 |
| P50 | 387157,868 | 133138,314 | 411,188 | 387159,213 | 133137,543 | 411,250 | 387157,695 | 133138,413 | 410,953 | 387158,910 | 133137,717 | 410,988 |
| P51 | 387157,371 | 133137,446 | 411,187 | 387158,716 | 133136,675 | 411,249 | 387157,198 | 133137,545 | 410,952 | 387158,412 | 133136,849 | 410,987 |
| P52 | 387156,874 | 133136,578 | 411,187 | 387158,219 | 133135,808 | 411,249 | 387156,700 | 133136,678 | 410,952 | 387157,915 | 133135,982 | 410,987 |
| P53 | 387156,377 | 133135,711 | 411,188 | 387157,721 | 133134,940 | 411,250 | 387156,203 | 133135,810 | 410,953 | 387157,418 | 133135,114 | 410,988 |
| P54 | 387155,648 | 133134,440 | 411,191 | 387156,993 | 133133,669 | 411,253 | 387155,474 | 133134,539 | 410,956 | 387156,689 | 133133,843 | 410,991 |
| P55 | 387155,352 | 133133,924 | 411,193 | 387156,697 | 133133,154 | 411,255 | 387155,179 | 133134,024 | 410,958 | 387156,394 | 133133,328 | 410,993 |

## PODATKI O MATERIALIH

### BETON

LASTNOSTI V SKLADU S SIST EN 206:2013, SIST 1026:2016 IN SIST EN 13670:2010, LASTNOSTI JEKLA V SKLADU S SIST EN 10080:2005

| Konstrukcijski element | Mejne vrednosti za sestavo betona: Min. trd. raz. betona C (N/mm²) | Ekspozicijski razred | Odpornost na prodor vode | Maksimalna debelina zrna agregata (mm) | Razr. stopnje konsistence | Razr. vidne površine bet. | Izvedba konstrukcijskega elementa | JEKLO: Min. trd. raz. jekla (N/mm²) | Zaščitni sloj: Zgornja stran | Spodnja stran | Bočna stran | Zasuta stran |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DOBETONIRANJE OBOKA | C30/37 | XF2 XD1 | PV-II | D32 | S4 | VB-II | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| NOVI PORTALI IN NADGRADNJA KRIL | C30/37 | XF2 XD1 | PV-II | D32 | S4 | VB-III | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| OBBETONIRANJE KRIL | C30/37 | XF2 XD1 | PV-II | D16 | S4 | VB-III | SCC-ARMIRAN BETON | B500-B | 5,0 | 2,5 | 5,0 | 5,0 |
| VMESNI VAROVALNI ZID | C25/30 | XC4 | PV-II | D32 | S4 | VB-II | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| METEORNI JAREK | C35/45 | XF4 XD3 XM3 | PV-II | D32 | S4 | VB-III | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| NADGRADNJA METEORNEGA JARKA ZA HODNIK | C30/37 | XF2 XD1 | PV-II | D32 | S4 | VB-III | ARMIRAN BETON | B500-B | 5,0 | 5,0 | 5,0 | 5,0 |
| HODNIKI IN ROBNI VENCI | C30/37 | XF4 XD3 | PV-II | D16 | S4 | VB-III | ARMIRAN BETON | B500-B | 4,5 | 2,5 | 4,5 | - |
| PODBETON | C12/15 | X0 | - | D16 | S1 | VB-I | NEARMIRAN BETON | - | - | - | - | - |

Uporabijo se lahko distančniki iz vlaknastega betona. Distančniki, ki so iz vlaknastega betona ali betona ne smejo vsebovat azbesta, obstojni morajo biti na staranje, zagotavljati morajo min. tlačno trdnost do 700 kPa, posebej morajo biti namenjeni za strukturni in vidni beton, izpolnjevat morajo zahteve za beton in armiran beton po SIST EN 206-1:2003 in protipožarne predpise SIST EN 1991-1-2 in DIN 4201. Imeti morajo tudi enak razteznostni koeficient kot beton.

### KONSTRUKCIJSKO JEKLO

LASTNOSTI V SKLADU S SIST EN 10025-1:2004, SIST EN 10210-1:2006, SIST EN 10219-1:2006 IN SIST EN 10365:2017, IZDELAVA V SKLADU S SIST EN 1090-2:2018

| Konstrukcijski element | Vrsta jekla | Razred zaščite proti koroziji | Način zaščite proti koroziji | Ostalo |
|---|---|---|---|---|
| VARNOSTNE OGRAJE | S 235 JR+Z | C5I | vroče cinkano min. 85 um | ozemljitev jeklenih delov |
| VAROVALNE OGRAJE ZA PEŠCE | S 235 JR+Z | C5I | vroče cinkano min. 85 um | ozemljitev jeklenih delov |

Antikorozijska zaščita z vročim cinkanjem se izvede na gotovih elementih. Naknadno vrtanje, rezanje, brušenje, poliranje, varjenje... ni dovoljeno!
Spajanje posameznih elementov samo z mehanskimi spoji. Izdelavo in montažo jeklenih delov izvesti v skladu s SIST EN 1090-2. razred izdelave je EXC2 za ograje in razpore.

### SPLOŠNA NAVODILA GRADNJE

VSI BETONSKI ROBOVI POSNETI MIN. 3/3 CM, RAZEN KADAR SPECIFICIRANO DRUGAČE.
DELOVNI STIKI IN DILATACIJSKI STIKI TESNJENI S TESNILNIMI TRAKOVI, PREBOJI ZARADI OPAŽEVANJA SE ZATESNIJO PO ODSTRANITVI OPAŽA.
V SKLADU S SIST EN 13670:2010 SPADA MOST V 3. IZVEDBENI RAZRED IN 2. RAZRED GEOMETRIJSKIH TOLERANC.

| sprememba | opis spremembe | datum | podpis |
|---|---|---|---|
| | | | |
| | | | |

| | |
|---|---|
| naročnik/investitor: REPUBLIKA SLOVENIJA, MINISTRSTVO ZA INFRASTRUKTURO, DIREKCIJA REPUBLIKE SLOVENIJE ZA INFRASTRUKTURO | cesta/lokacija: R1-203/1003 Bovec - Žaga v km 4,050 |
| projektant: KO-BIRO d.o.o., Mlinska ulica 32, 2000 Maribor, tel.: 02 22 82 391, e-mail: info@ko-biro.si, IZS 0446 | odsek/objekt: Rehabilitacija/sanacija mostu čez hudourniško strugo (GO0026), na cesti R1-203/1003 Bovec - Žaga v km 4,050 |
| projektant načrta: KO-BIRO d.o.o., Mlinska ulica 32, 2000 Maribor, tel.: 02 22 82 391, e-mail: info@ko-biro.si, IZS 0446 | vrsta projekta: IZN; št. projekta: 1429; št. načrta: 1429/MOS; datum: oktober 2025; vrsta načrta: 2 Načrt s področja gradbeništva 2/1 Načrt rekonstrukcije mostu |
| vodja projektiranja: Mitja MULEC mag. inž. grad. (id. številka G-4583) | vsebina/ naslov risbe: ZAKOLIČBA ROBNIH VENCEV IN HODNIKOV |
| vodja načrta: Mitja MULEC mag. inž. grad. (id. številka G-4583) | |
| sodelavec načrta: Rok GRADIŠNIK mag. inž. grad. | merilo: 1:100, 1:50; št. lista: 02-10 |
| št. odseka: 1003; arh. št.: 4094.00; faza/objekt: 007.2160; šifra risbe: G.261 | prostor za črtno kodo: |

Vse pravice pridržane. Projektna dokumentacija je last podjetja KO-BIRO d.o.o., ki je lastnik avtorskih pravic. Prepovedana je vsakršna javna raba, kopiranje ali druge oblike posnemavanja celotne vsebine ali posameznih delov projektne dokumentacije, brez predhodnega pisnega soglasja podjetja KO-BIRO d.o.o..

V/Š = 841 / 1189 (1.00m2) Allplan 2025