

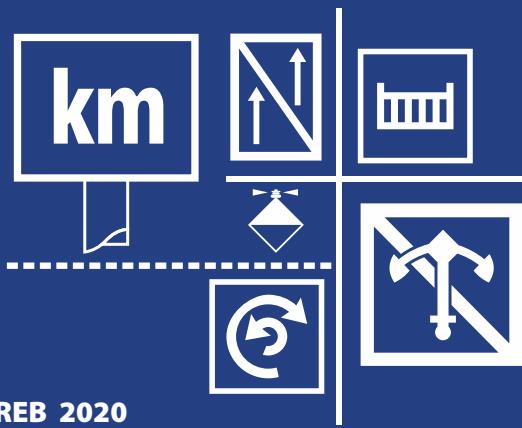


INTERNATIONAL SAVA RIVER BASIN COMMISSION

MEDNARODNA KOMISIJA ZA SAVSKI BAZEN  
INTERNATIONAL SAVA RIVER BASIN COMMISSION

**DALJINAR**  
**REKE SAVE IN NJENIH PLOVNIH PRITOKOV**

**INDICATOR**  
**OF RIVER KILOMETRES FOR THE SAVA RIVER**  
**AND ITS NAVIGABLE TRIBUTARIES**



ZAGREB 2020

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## **Foreword**

In the period from the year 1990, navigation and transport on the Sava river were, for known reasons, primarily affected by a lack of investments into the waterway maintenance and the waterway infrastructure development, which, nowadays, resulted in a significant decrease of the cargo transport with respect to the year 1990.

A solid basis for gradual overcoming of the problem was set by ratification of the Framework Agreement on the Sava River Basin in December 2004, and by establishment of the International Sava River Basin Commission (Sava Commission) in June 2005.

According to the Framework Agreement, the strategic objective of the Sava Commission is coordination of cooperation among the Sava countries in the water sector, with aim to provide conditions for sustainable development of the basin. The Framework Agreement, which integrates all aspects of water resources management in the basin, stipulates the following three particular objectives of cooperation:

- Establishment of the international navigation regime on the Sava river and its navigable tributaries;
- Establishment of sustainable water management in the basin, and
- Management of hazards, such as floods, droughts, ice and water pollution.

The establishment of the international navigation regime on the Sava River, by respecting, at the same time, the other two objectives, includes the realization of a series of activities related to the rehabilitation and development of waterway infrastructure, improvement of navigation safety and upgrade of the technical standards of navigation, thus providing the conditions for the navigation development in a modern and environmentally sustainable manner.

To this end, the Sava Commission has, so far, developed a set of documents related to navigation and passed decisions on their adoption. Herewith, these documents entered into force and became obligatory for the Sava countries, given the legal capacity of the Sava Commission in the field of navigation, stipulated by the Framework Agreement. In addition, a number of activities have been undertaken together with the Member States in order to improve the waterway infrastructure, including the reestablishment of the marking system, preparation of a share of the planning documentation for the restoration of the waterway, as well as the establishment of the River Information Services (RIS).

“Indicator of River Kilometres for the Sava River and its Navigable Tributaries” aims to provide the respective stakeholders in the Sava River

basin (relevant ministries, port authorities, port master offices, boatmasters, shippers, and other users of the waterway), as well as other organizations and institutions, with an up-to-date overview of all changes of the waterway, which have happened since the last edition of the “Indicator” published in 1960-ies, and hence significantly contribute to navigation safety in the Sava River basin.

For the first time, the “Indicator of River Kilometres” includes the data on riverbank structures being of importance for orientation, planning and the navigation itself. Additionally, a special attention is paid to the waterway sections considered as critical for navigation, which will, hopefully, significantly improve the navigation safety and prevent accidents with potential adverse impacts on the quality of water and water ecosystem of the Sava River.

This is the third, updated edition of the “Indicator”, which confirms that the waterway users in the first place have recognized this publication as useful and helpful in their daily practice.

Zagreb, February 2020

Dragan Zeljko  
Secretary of the Sava Commission



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the ISRBC

Data sources:  
DEM data: The NASA Shuttle Radar Topographic Mission (SRTM) processed by the CIAT-CSI (<http://srtm.csi.cgiar.org>), USGS

CORINE land cover: EEA (<http://www.eea.europa.eu>)  
Other data: ICPDR, ESRI, The Parties to the FASRB (SI, HR, BA, RS)

0 20 40 80 120 160 Km

1:2,000,000

Coordinate system: ETRS 1989  
Projection: Lambert Azimuthal Equal Area

## Sava River Basin overview map



### Legend

- Sava RB boundary**
- State borders**
- Urban areas**
  - Continuous urban areas
  - Discontinuous urban areas
  - Industrial or commercial units
  - Green urban areas
  - Sport and leisure facilities
  - Capitals of the FASRB Parties
  - Urban centers
- Sava RB rivers** (Catchments >=1000 sq.km)\*
  - Sava River
  - 1st order tributary
  - 2nd order tributary
  - 3rd order tributary
- Reservoirs** (V>=5 mil m<sup>3</sup>)
  - except Sutla/Sotla, Lašva and Tinja



INTERNATIONAL SAVA RIVER BASIN COMMISSION

Processed and compiled by the Secretariat of the ISRBC  
September 2009

## Predgovor

V obdobju od 1990 sta bila plovba in transport na reki Savi iz znanih razlogov prizadeta zaradi pomanjkanja naložb v vzdrževanje in razvoj plovbenega območja, kar je danes glavni vzrok za znatno zmanjšanje tovornega prometa glede na leto 1990.

Z ratifikacijo Okvirnega sporazuma o Savskem bazenu, decembra 2004, in z ustanovitvijo Mednarodne komisije za Savski bazen (Savska komisija), junija 2005, je bila podana trdna podlaga za postopno premagovanje tega problema.

V skladu z Okvirnim sporazumom je strateški cilj Savske komisije usklajevanje sodelovanja med državami v Savskem bazenu na področju voda, s ciljem, da se zagotoviti pogoje za trajnostni razvoj območja. Okvirni sporazum, ki vključuje vse vidike upravljanja z vodnimi viri v porečju, določa naslednje tri cilje sodelovanja:

- vzpostavitev mednarodnega režima plovbe po reki Savi in njenih plovnih pritokih;
- vzpostavitev trajnostnega upravljanja voda v porečju in
- upravljanje z nevarnostmi, kot so poplave, suše, ledu in vode.

Vzpostavitev mednarodnega režima plovbe po reki Savi, s hkratnim upoštevanjem drugih dveh ciljev, obsega realizacijo niza dejavnosti v zvezi s sanacijo in razvojem infrastrukture plovbenega območja, izboljšanje varnosti plovbe in nadgradnja tehničnih standardov za plovbo, s katerimi se zagotavljajo pogoji za razvoj plovbe na sodoben in okolju prijazen način.

V ta namen je Savska komisija doslej razvila in sprejela sklop dokumentov, ki se nanašajo plovbo. Glede na pravni položaj Savske komisije na področju plovbe, ki ga določa Okvirni sporazum, so ti dokumenti z začetkom datuma veljavnosti postali obvezni za vse države v Savskem bazenu. Dodatno so v sodelovanju s pogodbenicami potekale številne aktivnosti z namenom, da se izboljša infrastruktura na plovbenem območju vključno z ponovno postavitev sistema označevanja, pripravo dela planskih dokumentov za obnovo vodnega območja, kot tudi vzpostavitev rečnih informacijskih servisov (RIS).

Cilj "Daljinjarja reke Save in njenih plovnih pritokov" je zagotoviti deležnikom v Savskem bazenu (ustrezna ministrstva, pristaniške oblasti, pristaniške pisarne, voditelji plovil, ladjarji ter drugi uporabniki vodnega območja), pa tudi drugim organizacijam in institucijam pregled vseh sprememb na plovbenem območju od zadnje izdaje "Daljinjarja" objavljenega v 1960-ih letih, kar bo znatno prispevalo k varnosti plovbe v Savskem bazenu.

Prvič „Daljinar“ vključuje podatke o obrežnih infrastrukturnih, ki so pomembni za orientacijo, načrtovanje in plovbo. Poleg tega je posebna pozornost namenjena za plovbo po kritičnih odsekih plovbenega območja,

kar bo, upajmo, bistveno izboljšalo varnost plovbe in preprečilo nesreče s potencialno škodljivimi vplivi na kakovost vodnega ekosistema in vode reke Save.

To je tretja, posodobljena izdaja Daljinarja, ki potrjuje, da so uporabniki vodnega območja v prvi vrsti prepoznali koristnost in uporabnost te publikacije v svoji dnevni praksi.

Zagreb, februar 2020

Dragan Zeljko,  
Sekretar Savske komisije

# I INTRODUCTION

The Indicator of river kilometres for the Sava River has been developed based on the Work Plan of the Sava Commission Secretariat, and the need to update all changes that have occurred on the fairway since the last edition published in 1960's.

This edition of the Indicator of river kilometres covers the Sava River from rkm 727,1 to its mouth where it discharges into the Danube at rkm 0, and the Kupa River, which is so far the only tributary kept maintained and marked, from the Sava River mouth to rkm 162,6.

Depending on commencement of the planned regulation and marking of the tributaries for navigation, the indicator of river kilometres will be upgraded and pursue the arisen changes.

This edition contains all elements necessary for safe navigation and is result of the perennial work and periodical reviews by the competent bodies dealing with waterway issues and hydrological conditions pertaining to the fairway. Unlike the so-far indicators of river kilometres, this one has been prepared in parallel with the newly installed mileage, as well as with application of the new mode of determination of the kilometre marks' positions at certain section. This resulted in resolution of a problem of double kilometre marks, which, pragmatically, an obstacle to realization of the plan on rehabilitation of the international waterway of the Sava River and its navigable tributaries.

The sketches of bridges in this edition feature uniformity and validity of data in terms of width of the navigable aperture, height of the navigable aperture for the high navigable level – maximal water level, as well as the height of the navigable aperture for the ASL "0" at reference gauge station. Each subsequent edition will, following the period of practical use and provided feedback, surely be even more complete and substantial.

The riverbank structures, which are important for orientation and can be of assistance when planning and for navigation as well, have been incorporated into the Indicator of river kilometres for the first time. With regard to navigation, special attention in the Indicator of river kilometres has been paid to the more demanding sections, which will surely raise the level of navigation safety and prevent larger damages on the waterway that could result in detrimental impacts to aquatic ecosystem as well to water quality of the Sava River.

States borders depicted in the Indicator are of orientational character only and can not in any way prejudice determination of official states borders.

Finally, along with the afore-stated, we should underline that the Indicator of river kilometres consists of the following chapters:

- I INTRODUCTION
- II INTERPRETATION OF SYMBOLS
- III WATERWAY SIGNS AND MARKS
- IV SAVA RIVER
- V KUPA RIVER
- VI DISTANCES BETWEEN LARGER CITIES

Indicator is issued with the status of the Marking System on the January 1, 2020. The subsequent editions will be amended and updated in accordance with changes on the fairway, and complete up-to-date versions will always be available in electronic form at the website of the Sava Commission [www.savacommission.org](http://www.savacommission.org).

## I UVOD

Daljinar za reko Savo je bil razvit na podlagi delovnega načrta Sekretariata Savske komisije, ter iz potrebe, da je treba posodobiti vse spremembe, ki so se zgodile na plovbenem območju od zadnjega objavljenega leta 1960.

Ta izdaja Daljinjarja pokriva reko Savo od rkm 727,1 do izliva v reko Donavo pri rkm 0, in reko Kolpo, ki je edini vzdrževan in označen pritok od ustja reke Sava do rkm 162,6. Daljinar bo treba nadgraditi in vnesti nastale spremembe, kar je odvisno od začetka načrtovane ureditve in označevanja ostalih plovnih pritokov.

Ta izdaja vsebuje vse elemente, potrebne za varno plovbo in je rezultat celoletnega dela ter rednih pregledov s strani pristojnih organov, ki se ukvarjajo z urejanjem plovbenega območja in o hidroloških razmerah, ki se nanašajo na plovbo. Za razliko od do sedaj izdelanih daljinjarjev, se je ta pripravljal vzporedno z novo določitvijo rečnih kilometrov, kakor tudi z uporabo novega načina določanja položaja kilometerskih oznak na določenih odsekih. S tem se je pragmatično rešil problem dvojnega označevanja kilometrov, kar je oviralo uresničitev načrta o sanaciji mednarodnega plovbenega območja reke Save in njenih plovnih pritokov.

Skice mostov v tem izvodu karakterizirajo enotnost in veljavnost podatkov glede na širino plovne odprtine, višino plovne odprtine za visoki plovni nivo - maksimalna gladina vode, kot tudi višina plovne odprtine za ASL "0" na referenčni postaji. Vsak naslednji izvod Daljinjarja bo glede na praktičnost uporabe in dobljenih povratnih informacij zagotovo še bolj dovršen in izpopolnjen.

Prvič so bile v Daljinar vključeni obrežni objekti, ki so pomembne za orientacijo in so lahko v pomoč pri načrtovanju in plovbi. Posebna pozornost v zvezi s plovbo je bila namenjena bolj zahtevnim odsekom, kar bo zagotovo pripomoglo k dvigu stopnje varnosti plovbe in preprečevanju večje škode, ki bi ga lahko povzročili škodljivi vplivi na vodni ekosistem kot tudi na kakovost vode reke Save.

Oznake mej med državami v Daljinaru so izključno orientacijske narave in nikakor ne prejudicirajo določitev uradnih mej med državami.

Na koncu, skupaj z zgoraj navedenim, moramo poudariti, da je Daljinar sestavljen iz naslednjih poglavij:

- I UVOD
- II TOLMAČENJE SIMBOLOV
- III PLOVBENI ZNAKI IN OZNAKE
- IV REKA SAVA
- V REKA KOLPA
- VI ODDALJENOSTI MED VEČJIMI MESTI

V daljinarju je upoštevano stanje označevanja na dan 1. januar 2020. Naslednje izdaje bodo spremenjene in posodobljene v skladu s spremembami na plovbenih območjih. Posodobljene različice bodo vedno na razpolago v elektronski obliki na spletni strani Savske komisije [www.savacommission.org](http://www.savacommission.org)

## II

# INTERPRETATION OF SYMBOLS

## TOLMAČENJE SIMBOLOV



Post; Telephone  
Pošta; Telefon



Medical corps  
Sanitetna služba



Border crossing  
Mejni prehod



Customs  
Carina



Port Master  
Kapitanija



Water construction admistrition  
Uprava za vodne gradnje



Port authority  
Pristaniška uprava



Navigation safety inspection  
Inšpekcijska varnosti plovbe



Winterport  
Prezimovališče



Winter Shelter  
Zimsko zaklonišče



Shipyard  
Ladjedelnica



Bunkering station  
Mesto za oskrbo plovil z gorivom

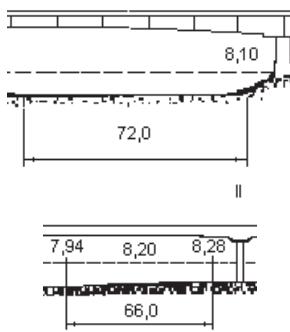


Railway station  
Železniška postaja

	Port linked to the railway network Pristanišče povezana z železniško mrežo
	Reloading site Mesto za pretovarjanje
	Passenger terminal Potniško pristanišče
	Pilot station Pilotna postaja
	Encountering spot Mesto za srečevanje
	Afor signal of locks Predsignal prevodnice
	Call signal for locks Pozivni signal za prevodnice
	Inbound signal for locks Vhodni signal za prevodnice
	Sign for bridge passage-upstream Signal spot-upstream Znak za prehod pod mostom-gorvodno Signalno mesto-gorvodno
	Sign for bridge passage-downstream Signal spot-downstream Znak za prehod pod mostom-dolvodno Signalno mesto-dolvodno
	Sign for bridge passage-upstream and downstream Signal spot-upstream and downstream Znak za prehod pod mostom – gorvodno in dolvodno Signalno mesto- gorvodno in dolvodno
	Height indicator for bridge passage Pokazatelj višine za prehod izpod mosta

	Signal station Signalna postaja
	Underwater duct Podvodni vod
	Power-transmission line with height indicator above the highest navigability level in m Daljnovid s pokazateljem (merilom) višine iznad najvišjega plovbenega nivoja v m
	a) High-voltage duct a) Visokonapetostni vod
	b) Telephone duct Telefonski vod
	Ferryboat not moving independently-cord hanging or at the bottom Brod, ki ne pluje samostojno- kabel viseč ali po dno (višina kabla v m)
	Ferryboat moving independently Samostojni brod
	+50;+158;+630; Water gauge; absolute zero mark of the water gauge above the sea (altitude) in meters; low regulation navigability level. Mark “-“ indicates absence of navigability level data
	+50;+158;+630; Vodomer; absolutna ničelna točka vodomera nad morjem (nadmorska višina) v metrih; regulacijski nizki plovbeni nivo; visoki plovbeni nivo. Oznaka “-“ kaže, da podatki o plovbenih nivojih ne obstajajo
	Indicator of the water level on the water gauge and shoal depth Pokazatelj nivoja vode na vodomeru in globina plitvine
	Shoal Plitvina

	Island' middle Sredina sipine
	Upper and lower end of effluent (lateral effluent) closed by bulkhead; island linked with bank by bulkhead Gornji in dolnji del rokava (bočni rokav), ki je zaprt s pregrado; sipina, ki je s pregrado povezana z obalo
	At low water level, the drained upper or lower part of the effluent (lateral effluent); at low water level, the island linked with bank by sandbar Pri nizki vodi izsušeni gornji ali dolnji del rokava (bočega rokava), pri nizki vodi je sipina povezana z nasipom z obalo
	Danger signal (yellow board) Znak za nevarnost (rumena tabla)
	Sunken object Potopljeni objekt
	Pumping station Črpalna postaja
	Water Suppliy Facility Cevni vodnjak
	Water Suppliy Facility Kaptažno zajetje
	Mouth Izliv
	Settlements with < 10 000 inhabitants Naselja do 10 000 prebivalcev
	Settlements with 10 000–100 000inhabitants Naselja od 10 000-100 000 prebivalcev
	Settlements with > 100 000 inhabitants Naselja preko 100 000 prebivalcev
Davor (1,5)	Distance from the bank to the settlement in km Oddaljenost od obale do mesta v km



Height of the lighted aperture of navigation passage - vertical distance of the high navigability level or peak water level - water level of 100 year recurrence period and lower brink of the bridge construction ( $hnvpn$  or  $h_{100}$ ). The waterway width in navigable aperture (bpl).

Višina svetle odprtine plovbenega prehoda - vertikalna oddaljenost visokega plovbenega nivoja ali maximalnega vodostaja-stoletne vode in spodnjega roba konstrukcije mosta ( $hnvpn$  ali  $h_{100}$ ). Širina plovnega območja v plovbeni odprtini (bpl).



### III

## WATERWAY SIGNS AND MARKS

## PLOVBENE OZNAKE IN OZNAKE

A	PROHIBITORY SIGNS ZNAKI PREPOVEDI
A.1a	No entry (general sign) Prepoved pristopa (splošni znak)
	
A.2	No overtaking Prepoved prehitevanja
	
A.3	No overtaking of convoys by convoys Prepoved medsebojnega prehitevanja sklopov
	
A.4	No passing or overtaking Prepoved srečevanja in prehitevanja
	
A.4.1	No passing or overtaking of convoys by convoys Prepoved medsebojnega srečevanja in prehitevanja skopa
	
A.5	No berthing (i.e. no anchoring or making fast to the bank) Prepoved ustavljanja (npr. sidranja ali vezanja na obalo)
	
A.5.1	No berthing within the breadth indicated in metres (measured from the sign) Prepoved ustavljanja na širini označeni v metrih
	
A.6	No anchoring or trailing of anchors, cables or chains Prepoved sidranja ali vlečenja sidra, vrvi ali verige
	
A.7	No making fast to the bank Prepoved vezanja na obalo
	
A.8	No turning Prepoved obračanja
	
A.9a	Do not create wash Prepoved ustvarjanja valov

	A.10	No passing outside the area marked (in openings of bridges or weirs) Prepoved prehoda izven označenega območja (v odprtih mostov ali jezov)
	A.12	Motorized craft prohibited Prepoved plovbe za motorna plovila
	A.13	Sports or pleasure craft prohibited Prepoved za vsa športna plovila in plovila za kratek čas
	A.14	Water skiing prohibited Prepoved smučanja na vodi
	A.15	Sailing vessels prohibited Prepoved plovbe za plovila na jadra
	A.16	All craft other than motorized vessels or sailing craft prohibited Prepoved plovbe za vsa plovila razen za motorna plovila in plovila na jadra
	A.17	Use of sailboards prohibited Prepoved jadranja na deski
	A.18	End of zone authorized for high speed navigation of small sport and pleasure craft Konec območja dovoljenega za glisiranje čolnov za sport in kratek čas
	A.19	No launching or beaching of vessels Prepoved spuščanja in izvlačenja plovil
	A.20	Water bikes prohibited Prepovedana vožnja s vodnimi skuterji
	B	MANDATORY SIGNS OBVEZUJOČI ZNAKI
	B.1	Proceed in the direction shown by the arrow Obvezna plovba v smeri označeni s puščico
	B.2.a	Move to the side of the fairway on your port side Obvezno zavijanje proti levi strani plovbenega območja

	B.2.b	Move to the side of the fairway on your starboard side Obvezno zavijanje proti desni strani plovbenega območja
	B.3.a	Keep to the side of the fairway on your port side Obvezna plovba po levi strani plovbenega območja
	B.3.b	Keep to the side of the fairway on your starboard side Obvezna plovba po desni strani plovbenega območja
	B.4.a	Cross fairway to port Obvezni prehod preko plovbenega območja na vašo levo stran
	B.4.b	Cross fairway to starboard Obvezni prehod preko plovbenega območja na vašo desno stran
	B.5	Stop as prescribed in the Regulations Obvezno zaustavljanje, kakor je predpisano v Pravilih
	B.6	Do not exceed the speed indicated in km/h Obvezno spoštovanje omejitve hitrosti, označene na oznaki(v km/h)
	B.7	Give a sound signal Obvezno dajanje zvočnega signala
	B.8	Keep a particularly sharp lookout (see article 6.08) Obvezna posebna pozornost (glej člen 6.08)
	B.9.a	Do not enter or cross the main waterway until certain that this will not oblige vessels proceeding on it to change their course or speed
	B.9.b	Ne vstopati na glavno plovbeno območje ali ga prečkati, v kolikor morajo plovila na njem menjati svojo smer ali hitrost
	B.11.a	Obligation to enter into a radiotelephone link Obvezna vzpostava radiotelefonske veze

VHF  
11

B.11.b Obligation to enter into a radiotelephone link on the channel as indicated on the board  
Obvezno vzpostavlja radiotelefonske veze na označenem kanalu

C RESTRICTIVE SIGNS  
ZNAKI OMEJEVANJA



C.1a Depth of water limited  
Omejena globina vode



C.1b C.2a Headroom limited  
Omejena višina prehoda



C.2b



C.3a Width of passage or fairway limited  
Omejena širina plovbenega območja ali prehoda



C.3b



C.4 There are restrictions on navigation: see the information plate below the sign  
Obstajajo omejitve v plovbi, poiščite informacije glej dodatno informacijsko tablo pod oznako



C.5 The channel lies at a distance from the right (left) bank; the figure shown on the sign indicates the distance in metres, measured from the sign, to which vessels should keep  
Plovbeno območje leži na določeni oddaljenosti od leve ali desne obale, številka na znaku označuje oddaljenost v metrih, merjeno od znaka, na kateri morajo biti plovila

D RECOMMENDATORY SIGNS  
ZNAKI ZA PRIPOROČILA

D.1 Recommended opening  
Priporočena odprtina

	D.1.a	in both directions (see articles 6.25, 6.26 and 6.27) za plovbo v obe smeri (glej člene 6.25, 6.26 i 6.27)
 or/ ali	D.1.c	only in the direction indicated (passage in the opposite direction prohibited) samo za plovbo v naznačeni smeri (plovba v nasprotni smeri prepovedana)
	D.1d	
	D.2a	You are recommended to keep within the area indicated (in openings of bridges or weirs) Priporočljivo je pluti znotraj označenega območja (v odprtih mostov ali jezov)
	D.3a	You are recommended to proceed in the direction shown by the arrow Priporočljivo je pluti v smeri določeni s puščico
E		INFORMATIVE SIGNS ZNAKI ZA SPOROČILA
	E.1a	Entry permitted (general sign) Dovoljen prehod (splošni znak)
	E.2	Overhead cable crossing Nadvodni kabel
	E.3	Weir Jez
	E.4.a	Ferry-boat not moving independently Brod, ki ne pluje svobodno
	E.4.b	Ferry-boat moving independently Brod, ki pluje svobodno
	E.5	Berthing (i.e. anchoring or making fast to the bank) permitted Dovoljeno ustavljanje (npr. sidranje ali vezanje na obalo)
	E.5.1	Berthing permitted on the stretch of water of the breadth measured from, and shown on the board in metres Dovoljeno ustavljanje na širini označeni na tabli in merjeni od znaka v metrih

**30-60**

**IV**

**▲**

**▲**

**▲**

**▲**

- Berthing permitted on the stretch of water bounded by the two distances measured from, and shown on the board in metres  
Dovoljeno ustavljanje na delu med obema razdaljama označenima na tabli in merjeno od znaka
- Maximum number of vessels permitted to berth abreast  
Maksimalno število plovil, ki lahko stojijo vezana na bok
- Berthing area reserved for vessels other than pushing-navigation vessels that are not required to carry the marking prescribed in article 3.14 from Navigation Rules on the Sava River Basin  
Mesto za ustavljanje potisnih plovil, za katere ni potrebno, da so označena z oznakami predpisanimi v členu 3.14 iz Pravil plovbe v Savskem Bazenu
- Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry one blue light or one blue cone prescribed in article 3.14, para 1 from Navigation Rules on the Sava River Basin  
Mesto za ustavljanje potisnih plovil, ki morajo biti označena z eno plavo lučjo ali z enim plavim konusom predpisane v členu 3.14, odstavek 1 v Pravilniku o plovbi v Savskem bazenu
- Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry two blue lights or two blue cones prescribed in article 3.14, para 2 from Navigation Rules on the Sava River Basin  
Mesto za ustavljanje potisnih plovil, ki morajo biti označena z dvemi modrimi lučmi ali dvemi modrimi konusi predpisane v členu 3.14, odstavek 2 v Pravilniku o plovbi v Savskem bazenu
- Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry three blue lights or three blue cones prescribed in article 3.14, para 3 from Navigation Rules on the Sava River Basin  
Mesto za ustavljanje potisnih plovil, ki morajo biti označena s tremi modrimi lučmi ali tremi modrimi konusi predpisane v členu 3.14, odstavek 3 v Pravilniku o plovbi v Savskem bazenu

- |   |  |
|---|--|
|    | <p><b>E.5.8</b></p> <p>Berthing area reserved for vessels other than pushing-navigation vessels that are not required to carry the marking prescribed in article 3.14 from Navigation Rules on the Sava River Basin<br/> Mesto za ustavljanje plovil, ki niso potisna in ni potrebno, da so označena z oznakami predpisanimi v členu 3.14 iz Pravil plovbe v Savskem Bazenu</p>  |
|    | <p><b>E.5.9</b></p> <p>Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry one blue light or one blue cone prescribed in article 3.14, para 1 from Navigation Rules on the Sava River Basin<br/> Mesto za ustavljanje plovil, ki niso potisna in morajo biti označena z eno modro lučjo ali enim modrim konusom predpisane v členu 3.14, odstavek 1 v Pravilniku o plovbi v Savskem bazenu</p>               |
|    | <p><b>E.5.10</b></p> <p>Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry two blue lights or two blue cones prescribed in article 3.14, para 2 from Navigation Rules on the Sava River Basin<br/> Mesto za ustavljanje plovil, ki niso potisna in morajo biti označena z dvemi modrimi lučmi ali dvemi modrimi konusi predpisane v členu 3.14, odstavek 2 v Pravilniku o plovbi v Savskem bazenu</p>       |
|  | <p><b>E.5.11</b></p> <p>Berthing area reserved for vessels other than pushing-navigation vessels that are required to carry three blue lights or three blue cones prescribed in article 3.14, para 3 from Navigation Rules on the Sava River Basin<br/> Mesto za ustavljanje plovil, ki niso potisna in morajo biti označena s tremi modrimi lučmi ali s tremi modrimi konusi predpisane v členu 3.14, odstavek 3 v Pravilniku o plovbi v Savskem bazenu</p> |
|  | <p><b>E.5.12</b></p> <p>Berthing area reserved for all vessels that are not required to carry the marking prescribed in article 3.14 from Navigation Rules on the Sava River Basin<br/> Mesto za ustavljanje vseh plovil, za katera ni potrebno da so označena z oznakami predpisanimi v členu 3.14 iz Pravil plovbe v Savskem Bazenu</p>  |



E.5.13

Berthing area reserved for all vessels that are required to carry one blue light or one blue cone prescribed in article 3.14, para 1 from Navigation Rules on the Sava River Basin

Mesto za ustavljanje vseh plovil, ki morajo biti označena z eno modro lučjo ali enim modrim konusom predpisane v členu 3.14, odstavek 1 v Pravilniku o plovbi v Savskem bazenu



E.5.14

Berthing area reserved for all vessels that are required to carry two blue lights or two blue cones prescribed in article 3.14, para 2 from Navigation Rules on the Sava River Basin

Mesto za ustavljanje vseh plovil, ki morajo biti označena z dvemi modrimi lučmi ali z dvemi modrimi konusi predpisane v členu 3.14, odstavek 2 v Pravilniku o plovbi v Savskem bazenu



E.5.15

Berthing area reserved for all vessels that are required to carry three blue lights or three blue cones prescribed in article 3.14, para 3 from Navigation Rules on the Sava River Basin

Mesto za ustavljanje vseh plovil, ki morajo biti označena s tremi modrimi lučmi ali tremi modrimi konusi predpisane v členu 3.14, odstavek 3 v Pravilnik o plovbi v Savskem bazenu



E.6

Anchoring or trailing of anchors, cables or chains permitted

Dovoljeno sidranje ali vlečenje sidra, vrvi ali verige



E.7

Marking fast to the bank permitted

Dovoljeno vezanje na obalo



E.7.1

Berthing area reserved for loading and unloading vehicles. (Maximum duration of berthing permitted may be added on an information plate below the board)

Mesto za ustavljanje rezervirano za utovarjanje in iztovarjanje vozila (najdaljši dovoljeni čas ustavljanja je lahko označen na dodatni tabli pod znakom)



E.8

Turning area

Mesto za obračanje

	E.9.a	The waterway being approached are considered to be tributaries of this waterway
	E.9.b	Plovbeno območje, ki se približuje, se šteje za pritok
	E.10.a	This waterway is considered to a tributary of the waterway being approached
	E.10.b	Plovbeno območje, ki se približuje, se šteje za glavni tok
	E.11a or/ali E.11b	End of a prohibition or obligation applying to traffic in one direction only, or end of a restriction Konec prepovedi, ki velja za promet v eni smeri ali konec omejitve
	E.13	Drinking-water supply Mesto za oskrbo s pitno vodo
	E.14	Telephone Telefon
	E.15	Motorized vessels permitted Dovoljena plovba za motorna plovila
	E.16	Sports or pleasure craft permitted Dovoljena plovba za športna plovila in plovila za prosti čas
	E.17	Water skiing permitted Dovoljeno smučanje na vodi
	E.18	Sailing vessels permitted Dovoljena plovba za plovila na jadra
	E.19	Craft other than motorized vessels or sailing craft permitted Dovoljena plovba za plovila, ki niso jadrnice ali motorna plovila
	E.20	Use of sailboards permitted Dovoljena plovba za jadralne deske



E.21 Zone authorized for high speed navigation of small sport and pleasure craft  
Območje dovoljeno za glisiranje s čolni za šport in prosti čas



E.22 Launching or beaching of vessels permitted  
Dovoljeno spuščanje ali izvlačenje plovila iz vode

VHF  
11

E.23 Possibility of obtaining nautical information by radio-telephone on the channel indicated  
Možnost sprejema navtičnih informacij preko radia ali telefona na označenem kanalu



E.24 Water bikes permited  
Dovoljeno za skuterje



E.25 Electrical power supply point  
Mesto za oskrbo z električno energijo



E.26 Winter harbour  
Zimsko pristanišče



E.26.1 Maximum number of vessels allowed to berth in the winter harbour  
Največje število plovil, za katere je dovoljeno vezanje v zimskem pristanišču



E.27 Zimsko zaklonišče  
Winter shelter



E.27.1 Maximum number of vessels allowed to berth in the winter shelter  

- Maximum number of vessels permitted to berth abreast
- Maximum number of rows of vessels permitted to berth abreast

Največje število plovil, za katere je dovoljeno vezanje v zimskem zaklonišču

- Največja število bočno vezanih plovil
- Največje število bočno vezanih vrst plovil

**MARKS ON LAND INDICATING THE POSITION OF THE FAIRWAY**  
**OZNAKE NA OBALI, KI OZNAČUJEJO POLOŽAJ PLOVBENEGA OBMOČJA**



- 4.A Fairway near the right bank - with light  
Plovno območje ob desni obali z lučjo



- 5.A Fairway near the left bank - with light  
Plovno območje ob levi obali z lučjo



- 4.D Cross-over - right bank without light  
Prehod plovnega območja - desna obala brez luči



- 5.D Cross-over - left bank without light  
Prehod plovnega območja - leva obala brez luči

**MARKS ON LAND INDICATING DANGER POINTS AND OBSTACLES**  
**OZNAKE NA OBALI ZA OZNAČEVANJE NEVARNIH MEST IN OVIR**



- 4.F Right-hand side  
Desna stran



- 5.F Left-hand side  
Leva stran

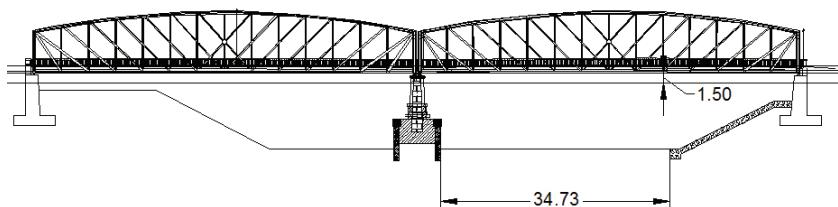


**IV**  
**SAVA RIVER**  
**REKA SAVA**



<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
Weir Pregrada (Jez)	727,1	Krško Nuclear Power Plant Pregrada Jedrska elektrana Krško
	727,1	Spodnja Libna Village Naselje Spodnja Libn
<b>km</b>	727,0	<b>km</b> Libna Village Naselje Libna
	726,6	Naselje Spodnji Stari Grad Spodnji Stari Grad Village
<b>km</b>	726,0	
Vihre Village Naselje Vihre	725,4	
<b>km</b>	725,0	
<b>km</b>	724,0	
	723,9	Pesje Village Naselje Pesje
	723,7	Zgornji Obrež Village Naselje Zgornji Obrež
	723,5	Gornji Lenart Village Naselje Gornji Lenart
<b>km</b>	723,0	
Gorenje Skopice Village Naselje Gorenje Skopice	722,4	
Dolenje Skopice Village Naselje Dolenje Skopice	722,0	<b>km</b>
<b>km</b>	721,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Krška Vas Village Naselje Krška Vas	720,4	
Velike Malenice Village Naselje Velike Malenice	720,2	
<b>km</b>	720,0	
	719,9	Brežice Town Mesto Brežice
Hidro Power Plant Pregrada HE Brežice	719,7	Hidro Power Plant Pregrada HE Brežice
	719,5	Močnik Creek Mouth Izliv potoka Močnik

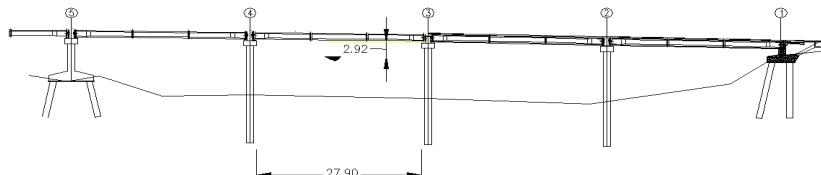


$h_0 = 7,94\text{m}$ <b>Brežice road steel bridge</b>	bpl = 34,73	$h_{100} = 1,5$ <b>Cestni jekleni most „Brežice“</b>
High-voltage duct Visokonapetostni vod	719,4	
	719,3	High-voltage duct Visokonapetostni vod
	719,0	
Krka River Mouth Izliv reke Krka	718,5	<b>km</b>
Čatež ob Savi Village Naselje Čatež ob Savi	718,4	

**Right Bank**  
**Desna obala**

**km**  
**km**

**Left Bank**  
**Leva obala**



$$h_0 = 6,82 \text{m}$$

Čatež road concrete bridge

$$\text{bpl} = 27,90$$

**718,4**

$$h_{100} = 2,92$$

Cestni betonski most „Čatež“

Cerina Village  
Naselje Cerina



**718,2**

Dvorce Village  
Naselje Dvorce



**718,0**



Gauge Čatež I  
Merilno mesto Čatež I



**717,9**

High-voltage duct  
Visokonapetostni vod



**717,3**



High-voltage duct  
Visokonapetostni vod

Overfalls - Shoal  
Brzice - plitvina



**717,2**



Overfalls - Shoal  
Brzice - plitvina



**717,0**

Ferry  
Brod  
SPA and Camp Terme Čatež  
Resort in kamp Terme Čatež

**716,9**



Bukošek Village  
Naselje Bukošek

**716,4**



Mostec Village  
Naselje Mostec  
Ferry  
Brod



**716,0**

**715,8**



Gabrje pri Dobovi Village  
Naselje Gabrje pri Dobovi

**715,3**

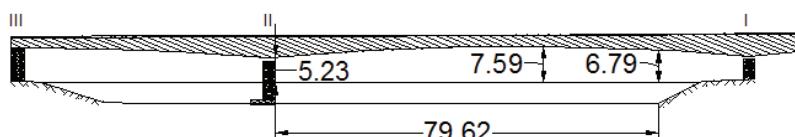


Dobova Village Naselje  
Dobova

<b>Right Bank</b> <b>Desna obala</b>	<b>km</b> <b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
	715,0	
Prilipe Village Naselje Prilipe	 714,5	
	 714,0	
	713,9	
Orehovec Creek Mouth Izliv potoka Orehovec	 713,5	Gabrnica Creek Mouth Izliv potoka Gabrnica
Podgračeno Village Naselje Podgračeno	 713,2	
	 713,0	
	712,9	
High-voltage duct Visokonapetostni vod	 712,8	Gabrnica Creek Mouth Izliv potoka Gabrnica
	712,7	
		
Gaj Village Naselje Gaj	 712,5	Loče Village Naselje Loče
Grajski potok Creek Mouth Izliv potoka Grajski potok	 712,4	
Velika Dolina Village Naselje Velika Dolina	 712,3	
Ribnica Village Naselje Ribnica	 712,0	
	711,8	
		Struga Creek Mouth Izliv potoka Struga

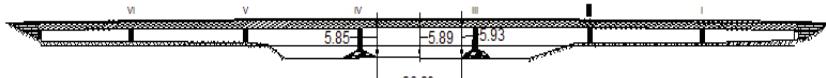
Right Bank Desna obala	km km	Left Bank Leva obala
	711,0	
	710,5	 Sutla River Mouth Izliv reke Sutla
Rajec Village Naselje Rajec Dolinski potok Creek Mouth Izliv potoka Dolinski potok Nova Vas pri Mokricah Village Naselje Nova Vas pri Mokricah	  710,2	
	710,1	
Jesenice na Dolenjskem Village Naselje Jesenice na Dolenjskem Gauge Vodomer	  709,7	
Obrežje Village Naselje Obrežje	 709,0	
	708,0	
Bregana River Mouth Izliv reke Bregana	 707,6	
	707,0	
Samoborski Otok Village Naselje Samoborski Otok Ferry slip Brod	 706,6	
	706,0	
	705,0	
	704,0	

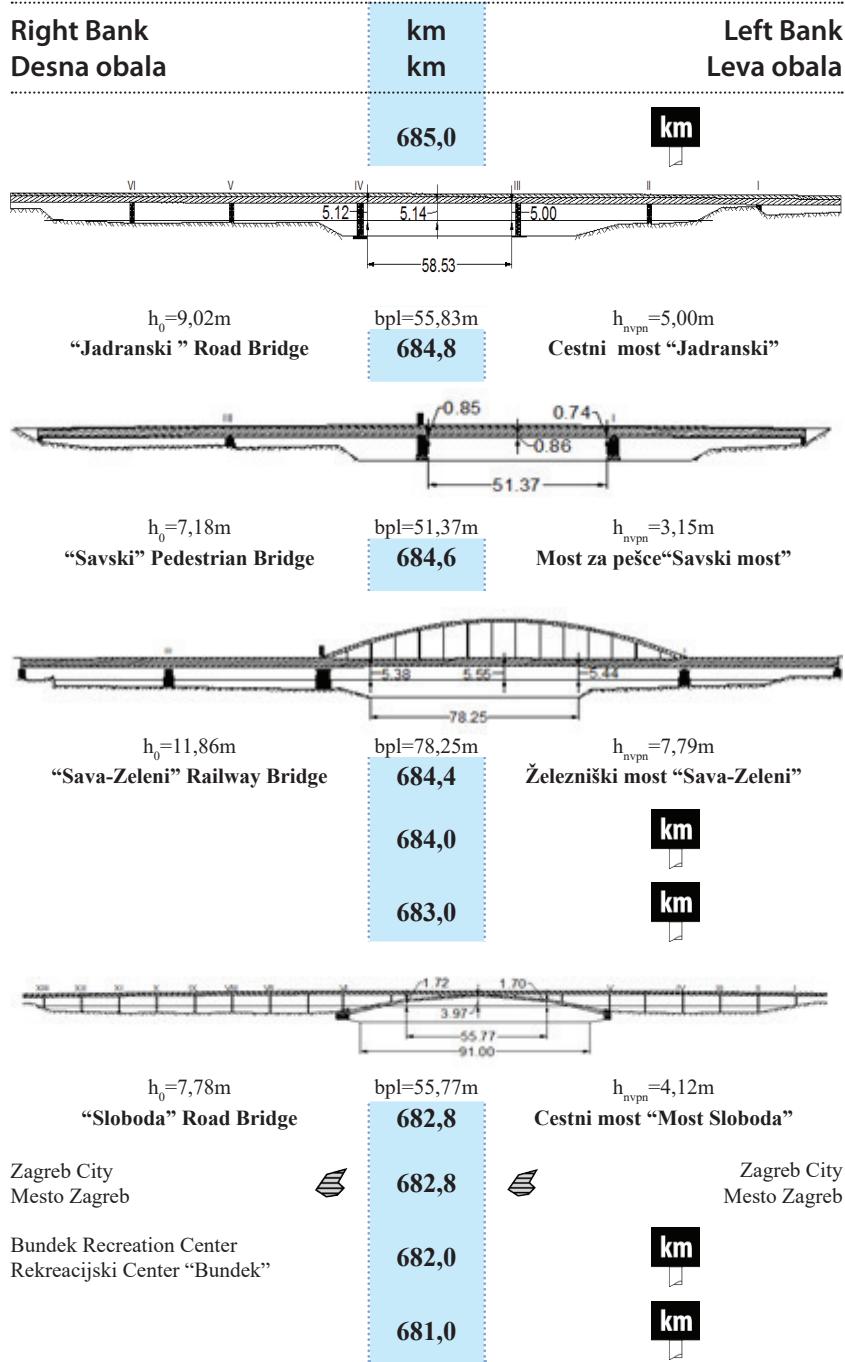
Right Bank Desna obala		km km	Left Bank Leva obala
Creek Mouth Izliv potoka	T	703,2	
	km	703,0	
Medsave Village Naselje Medsave Ferry Brod Medsave	km	702,2	Ferry Brod Medsave
	km	702,0	
	km	701,0	
	km	700,0	
	km	699,0	

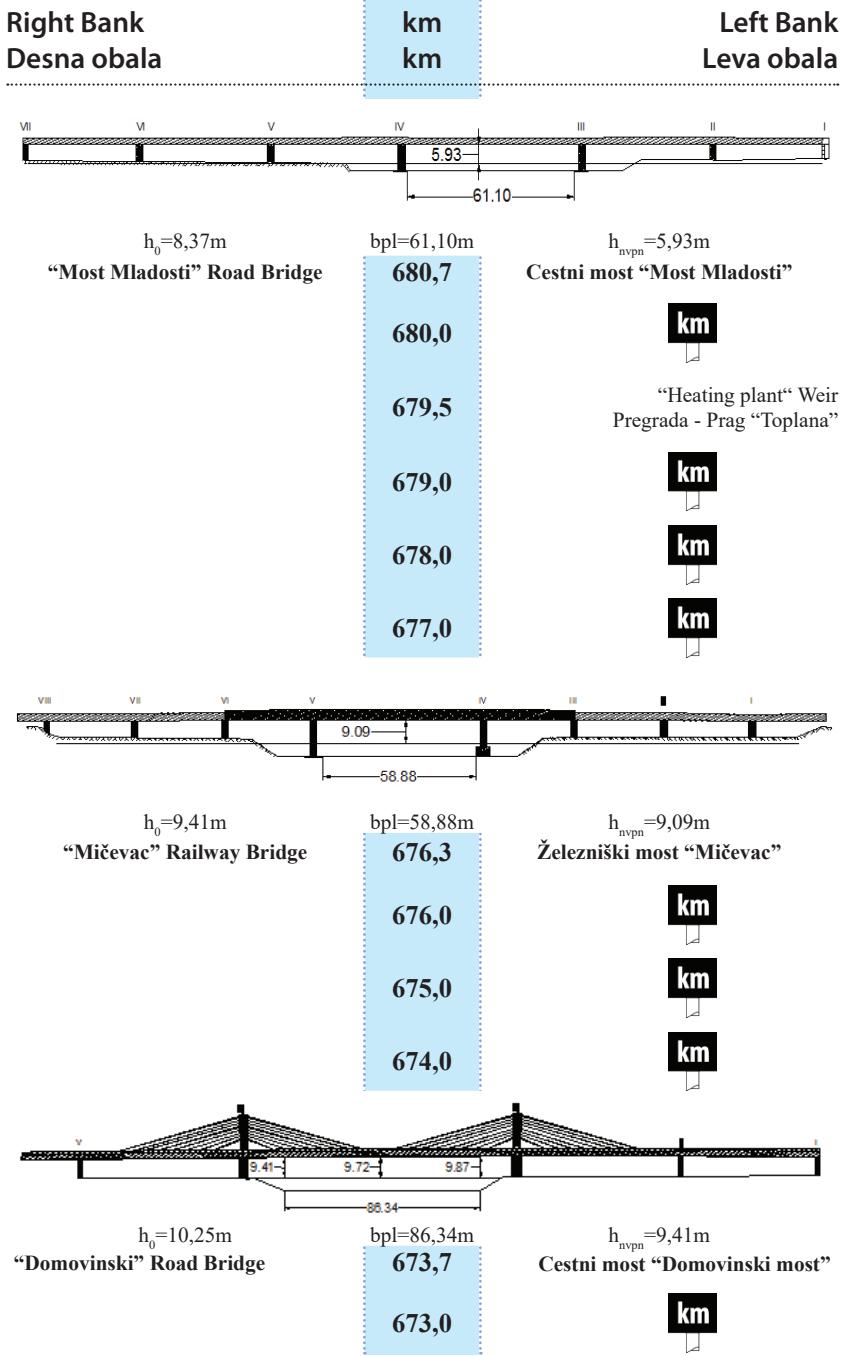


"Zaprešić" Road Bridge	km	698,6	Krapina River Mouth Izliv reke Krapina
	km	698,2	
	km	698,0	
	km	697,0	

"Podsused" Road Bridge	km	696,6	Cestni most "Podsused"
	km	696,2	

Right Bank Desna obala	km km	Left Bank Leva obala
	696,0	km
Rakitje lake Jezero Rakitje	695,0	km
	694,6	
	694,0	km
		
h <sub>0</sub> =8,36m <b>“Jankomir” Road Bridge</b>		bpl=36,9m <b>693,6</b>
<b>693,0</b>		km
<b>692,0</b>		km
<b>691,0</b>		km Spil Weir Preliv Jankomir (rkm 691,0- 692,0)
<b>690,0</b>		km
<b>689,0</b>		km
<b>688,0</b>		km
<b>687,0</b>		km
<b>686,2</b>		Jarun Sports and Recreation Center Športno-rekreacijski center “Jarun”
<b>686,0</b>		km
<b>685,2</b>		T Channae Mouth Izliv kanala





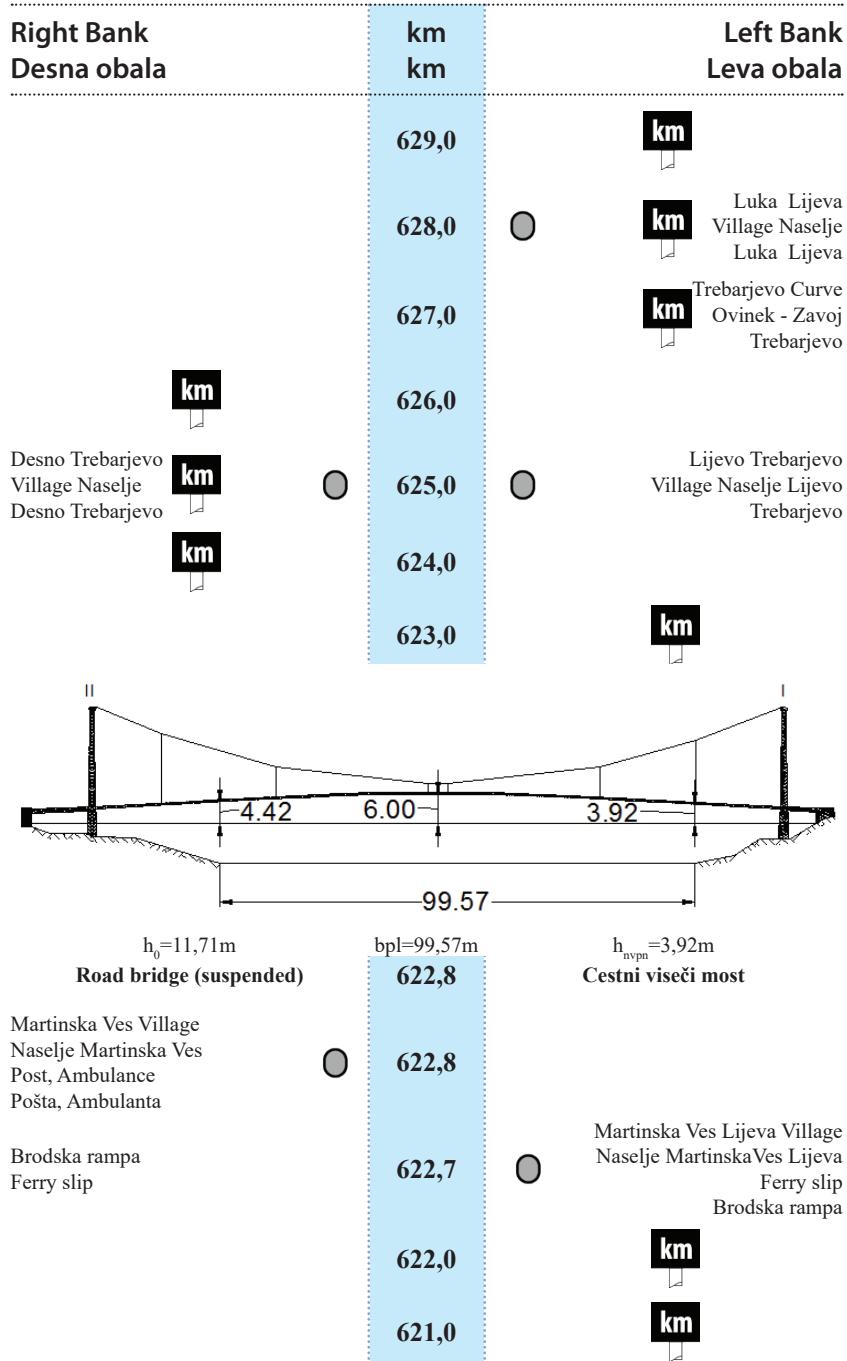
The figure shows a cross-section of a river channel with four piers labeled I, II, III, and IV from right to left. The water level is indicated by a horizontal line. The height of the water above the river bed at pier IV is  $h_0 = 13,11\text{m}$ . The height of the water above the river bed at pier I is  $h_{\text{vpn}} = 11,38\text{m}$ . The height of the bridge deck above the river bed at pier IV is  $h_{\text{pl}} = 36,57\text{m}$ . The height of the bridge deck above the river bed at pier I is  $h_{\text{pl}} = 668,8\text{m}$ .

Location	Water Level (km)	Bridge Deck Height (km)
Right Bank Desna obala	672,0	
	671,0	
	670,0	
	669,0	
		km
"Ivanja Reka" Road Bridge	668,8	$h_0 = 13,11\text{m}$
	668,0	
	667,9	
	667,0	
River Island Rečni otok	666,8	
	666,0	
	665,9	
	665,0	
	664,0	
	663,0	
River island Rečni otok	662,0	
Left Bank Leva obala		km
		km
		km
		km
Cestni most "Ivanja Reka"	668,0	$h_{\text{vpn}} = 11,38\text{m}$
	667,9	Channel Mouth Izliv kanala
	667,0	
	666,8	
	666,0	
	665,9	
	665,0	
	664,0	
	663,0	
	662,0	

<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
	661,0	<b>km</b>
	660,0	○ <b>km</b> Okunščak Village Naselje Okunščak
	659,0	<b>km</b>
	658,0	<b>km</b>
	657,3	○ Rugvica Village Naselje Rugvica
	657,0	<b>km</b>
	656,0	<b>km</b>
Telefonski vod Telephone duct	655,8	Telephone duct Telefonski vod
Gornje Bukevje Village Naselje Gornje Bukevje	655,2	○ Novaki Oborovski Village Naselje Novaki Oborovski
	655,0	<b>km</b>
Donje Bukevje Village Naselje Donje Bukevje	654,5	
	654,0	<b>km</b>
	653,0	<b>km</b>
	652,8	○ Preseka Oborovska Village Naselje Preseka Oborovska
	652,0	<b>km</b>
	651,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Drnek Village Naselje Drnek	650,5	
Ferry Brod Oborovo-Orle	650,0	Oborovo Village Naselje Oborovo Ferry Brod Oborovo-Orle
Vrbovo Posavsko Village Naselje Vrbovo Posavsko	649,6	
	649,0	
High-voltage duct Visokonapetostni vod	648,0	High-voltage duct Visokonapetostni vod
High-voltage duct Visokonapetostni vod	647,1	
	647,0	
Closure Bund Pregrada Armlet Prekop-Rukavac Oborovo (rkm 646,4-646,9)	646,4	
	646,0	
	645,0	
Prevlaka Village Naselje Prevlaka	644,5	
	644,0	
Curve Ovinek - Zavoj Prevlaka sluice Zapornica Prevlaka	643,4	
	643,0	

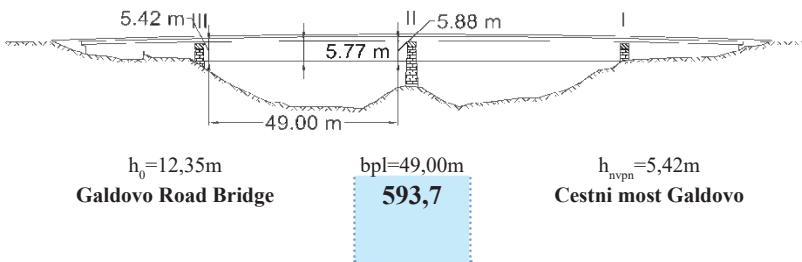
<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
	642,0	Prečno Village Naselje Prečno
	641,0	
Ruča Village Naselje Ruča	640,0	
Suša Village Naselje Suša	639,0	
	638,0	
Jezero Posavsko Village Naselje Jezero Posavsko	637,0	
	636,0	
Desni Dubrovčak Village Naselje Desni Dubrovčak Ferry Brod Dubrovčak	635,2	Lijevi Dubrovčak village Naselje Lijevi.Dubrovčak Ferry Brod Dubrovčak
	635,0	
	634,0	
	633,0	
	632,0	
Desno Željezno Village Naselje Desno Željezno	631,2	Lijevi Željezno Village Naselje Lijevi Željezno
	631,0	
	630,0	



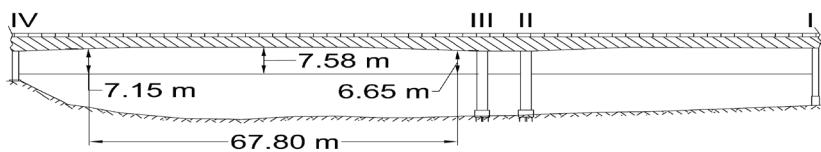
<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
	<b>km</b>	620,0
	619,0	
	618,1	Mahovo Village Naselje Mahovo
	618,0	
	617,5	Mahovo curve Ovinek – Zavoj Mahovo Sluice Zapornica
Ljubljanica Village Naselje Ljubljanica	<b>km</b>	617,0
	616,7	
	615,5	Setuš willage Naselje Setuš
Žirčica Village Naselje Žirčica	<b>km</b>	615,0
	614,0	
	613,0	
High-voltige duct Visokonapetostni vod		612,4
Tišina Kaptolska Village Naselje Tišina Kaptolska	<b>km</b>	612,2
Visokonapetostni vod High-voltige duct		612,0
	611,9	High-voltige duct Visokonapetostni vod

<b>Right Bank</b> <b>Desna obala</b>	<b>km</b> <b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
Tišina curve Ovinek – Zavoj Tišina	<b>611,5</b>	
Strelečko Village Naselje Strelečko	<b>611,0</b>	
	<b>610,0</b>	
	<b>609,0</b>	
High-voltige duct Visokonapetostni vod	<b>608,8</b>	Palanjek village Naselje Palanjek
	<b>608,0</b>	
	<b>607,3</b>	Visokonapetostni vod High-voltige duct
	<b>607,0</b>	
High-voltige duct Visokonapetostni vod	<b>606,5</b>	Palanjak sluice Zapornica Palanjek Curve Ovinek – Krivina
	<b>606,0</b>	
Bok village Naselje Bok	<b>605,8</b>	High-voltige duct Visokonapetostni vod
	<b>605,4</b>	
	<b>605,0</b>	Hrastelnica village Naselje Hrastelnica
	<b>604,0</b>	
	<b>603,0</b>	Galdovo village Naselje Galdovo

Right Bank Desna obala	km km	Left Bank Leva obala
Hrastelnica area Hrastelníčko pristanišče	<b>602,4</b>	Hrastelnica area Hrastelníčko pristanišče
	<b>602,0</b>	
	<b>601,0</b>	
	<b>600,0</b>	
	<b>599,0</b>	Štokor curve Ovinek – Zavoj Štokor
	<b>598,0</b>	
	<b>597,0</b>	
	<b>596,3</b>	Industrial facility Industrijske naprave-usis
	<b>596,0</b>	
	<b>595,0</b>	  Sisak Town Mesto Sisak (rkm 595 – 598)
	<b>594,0</b>	



Right Bank Desna obala	km km	Left Bank Leva obala
	593,7	 Shipyard Ladjedelnica
	593,0	
	592,0	
Kolpa River Mouth Izliv reke Kolpe  	591,0	
Caprag Area Območje Caprag (rkm 591,0-588,0)	591,0	
	590,0	
Sisak Power Plant Termoelektrana Sisak (rkm 589,0-588,0)	589,0	
	588,5	 Goričica Village Naselje Goričica
Gauge Merilno mesto (91,34 m) 	588,1	
	588,0	



$h_0 = 13,58\text{m}$	$bpl = 67,80\text{m}$	$h_{nvpm} = 6,65\text{m}$
Crnac Road Bridge	587,8	Cestni most Crnac

Right Bank Desna obala	km km	Left Bank Leva obala	
Crnac Oil Port Naftno pristanišče Crnac	 	587,0	
Crnac Village Naselje Crnac		586,6	
	 	586,5	
		586,0	
	  	585,0	
		584,5 	
		584,0	
Blinja River Mouth Izliv reke Blinja		583,5	
Blinjski Kut Village Naselje Blinjski kut	 	583,0 	Ada- Dubovac Area Območje-Ada Dubovac
		582,0 	Preloščica Winterport – Channel Zimsko pristanišče – kanal Preloščica (rkm 584,0-582,0)
Shoal Plitvina Blinjski Kut (rkm 582,0- 581,0)		581,0 	Shoal Plitvina Blinjski Kut (rkm 582,0-581,0)
		580,7 	

Right Bank Desna obala	km km	Left Bank Leva obala
	580,0	
	579,0	
	578,2	
	578,0	
Gradusa Mouth Izliv reke Gradusa	577,0	
Posavska Gradusa Village Naselje Posavska Gradusa	576,5	
	576,2	
Ferry-underwater line Prehod broda Gradusa Posavska-Lukavec- kabel pod vodo	576,1	
	576,0	
	575,0	
	574,8	
Underwater duct Podvodni vod		

Right Bank Desna obala	km km	Left Bank Leva obala
	574,5	
	574,0	
Gornja Letina Village Naselje Gornja Letina	573,3	
	573,0	
	572,0	Gauge Merilno mesto (89,04 m) Gušće Village Naselje Gušće
Donja Letina Village Naselje Donja Letina	571,0	
	570,0	
	569,0	
	568,0	
	567,3	Čigoč Curve Ovinek – Zavoj Čigoč
	567,0	
Ferry-underwater line Prehod broda Selište Sunjsko – Kratečko Kabel pod voda	566,0	

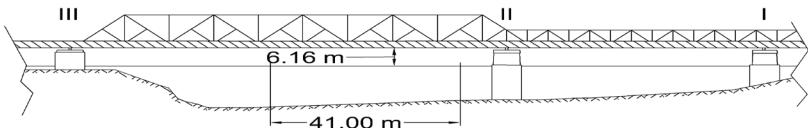
Right Bank Desna obala	km km	Left Bank Leva obala
Selište Sunjsko Village Naselje Selište Sunjsko	566,0	Kratečko Village Naselje Kratečko
	565,1	
	565,0	
	564,5	
	564,0	
Shoal Plitvina Bistrać (rkm 563,5-562,0)	563,0	Shoal Plitvina Bistrać (rkm 563,5-562,0)
	563,0	
	562,6	
	562,0	
	561,0	
Bobovac Curve Ovinek – Zavoj Bobovac		
	560,5	
	560,0	Shoal Plitvina Bobovac (rkm 560,0-560,5)

<b>Right Bank</b> <b>Desna obala</b>	<b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
Bobovac Village Naselje Bobovac Ferry-underwater line Prehod broda Podvodni kabel	559,6	
	559,0	
	558,0	
Shoal Plitvina Strmen	557,0	
	556,0	
	555,4	
	555,0	
Shoal Plitvina Strmen (rkm 554,7-553,7)	554,7	
	554,0	
	553,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	552,0	~ Shoal Plitvina Lonja (rkm 552,0-553,0)
	551,0	
	550,7	T Lonja Mouth-Weir Izliv reke Lonja-jez
	550,5	
	550,0	
	549,0	
	548,0	
	547,2	T Trebež Mouth Izliv reke Trebež
	547,0	 km Trebež Curve Ovinek – Zavoj Trebež
	546,0	 km
	545,0	
	544,0	
	543,0	 

Right Bank Desna obala	km km	Left Bank Leva obala
	542,0	
Puska Shoal Plitvina Puska (rkkm 542,5-541,0)	541,5	Puska Shoal Plitvina Puska (rkkm 542,5-541,0)
	541,0	Puska Village Naselje Puska
	540,0	
	539,0	
	538,0	
Cvijetni Vir Curve Ovinek – Zavoj Cvijetni Vir	537,9	
	537,0	
	536,0	
	535,2	Brijest Curve Ovinek – Zavoj Brijest
	535,0	
	534,0	
	533,0	Krapje Village Naselje Krapje Seat of Lonjsko Polje Nature Park Uprava Naravnega Parka Lonjsko Polje

Right Bank Desna obala	km km	Left Bank Leva obala
	532,0	
	531,0	
	530,0	
	529,0	
Dudunski Bok Area Območje Dudunski Bok	528,8	
	528,0	
	527,0	
High-voltage duct Visoko napetostni vod	526,5	
	526,2	
High-voltage duct Visoko napetostni vod	526,0	
	525,5	
	525,0	
	524,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Višnjica Village Naselje Višnjica	523,5	~
	523,0	km
	522,0	km
	521,0	km
	520,0	km
	519,0	km
	518,5	● ↓↑ ↙↖
Jasenovac Curve Ovinek – Zavoj Jasenovac	518,0	km
 <p>III                          II                          I</p> <p>6.16 m                      41.00 m</p> <p><math>h_0 = 14,35\text{m}</math> Jasenovac Railway Bridge</p> <p><math>bpl = 41,00\text{m}</math> <math>h_{nvpn} = 6,16\text{m}</math> Železnički most Jasenovac</p>		
Uštica Village Naselje Uštica	517,4 517,0 516,3	km km km

**Right Bank**  
**Desna obala**

km	km	Left Bank
516,1		Jasenovac Gauge Merilno mesto Jasenovac (86,82 m)
516,0		<b>km</b>
515,8		Jasenovac Village Naselje Jasenovac
		<b>+</b>

IX VIII VII VI V IV III II I

5,61 m 7,24 m 5,39 m

110,00 m

$h_0 = 15,44\text{m}$   
**Jasenovac Road Bridge**

bpl=110m  
**515,6**

$h_{\text{nvpn}} = 7,24\text{m}$   
**Cestni most Jasenovac**

Una Mouth  
Izliv reke Una  
Border (BiH – HR)  
Meja (BiH-HR)

40

515,6

515,2

515,0

514,0

513,0

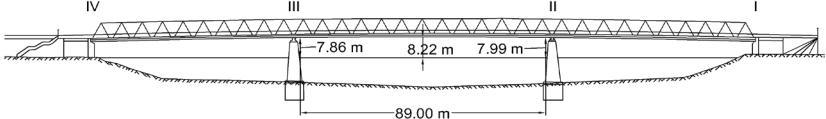
512,0

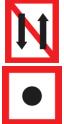
Right Bank Desna obala	km km	Left Bank Leva obala
	511,0	
	510,5	
	510,0	
	509,0	
	508,0	
	507,0	
Pumping Station Viroska Črpališče Viroska	506,5	
	506,0	
	505,0	
	504,0	
	503,0	
	502,0	
	501,0	
	500,9	Javička Greda Curve Ovinek – Zavoj Javička Greda

Right Bank Desna obala	km km	Left Bank Leva obala
	500,0	
	499,0	
	498,0	
	497,0	
	496,0	
	495,0	
	494,0	
	493,5	
	493,0	
	492,0	Mlaka Village Naselje Mlaka
	491,5	Mlaka Curve Ovinek – Zavoj Mlaka
	491,0	
	490,0	
	489,0	
	488,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	 	487,0
		
	486,7	Strmac Curve Ovinek – Zavoj Strmac
	486,0	
	485,0	 
Orahova Village Naselje Orahova	484,5	
	484,0	Jablanac Village Naselje Jablanac
	483,0	
	482,0	
	481,0	
	480,0	
	479,0	
Mala Gaštica Mouth Izliv reke Mala Gaštica		478,5

Right Bank Desna obala	km km	Left Bank Leva obala
	478,0	
	477,0	
	476,0	
	475,0	Veliki Strug Mouth Izliv reke Veliki Strug
	474,0	
	473,0	
	472,0	
	471,0	
Jablanica Mouth Izliv reke Jablanica	470,7	
	470,0	Mali Strug Mouth Izliv reke Mali Strug
	469,0	
	468,0	Uskoci Village Naselje Uskoci
	467,9	
	467,0	Stara Gradiška Village Naselje Stara Gradiška Gauge (85,39 m) Merilno mesto

Right Bank Desna obala	km km	Left Bank Leva obala
	466,5	Winter Shelter Zimsko zaklonišče
		
Gradiška Road Bridge	h <sub>0</sub> =17,03m bpl=89,00m 466,2	Cestni most Gradiška h <sub>hypn</sub> =7,86m
Gradiška Town Mesto Gradiška	  	466,0
Jurkovica Mouth Izliv reke Jurkovica	 	465,0
	 	464,0
	 	463,0
		Shoal Plitvina Donji Varoš (rkm 466,0-464,0)
		Lonja-Strug Channel Mouth Izliv kanala Lonja-Strug
	  	Pivare Village Naselje Pivare
	 	Pivare Curve Ovinek – Zavoj Pivare

Right Bank Desna obala	km km	Left Bank Leva obala
	460,0	
	459,0	
	458,0	
	457,5	 Savski Bok Village Naselje Savski Bok
	457,2	 Trnava Mouth Izliv reke Trnava
	457,0	
	456,0	
	455,5	
	455,0	
	454,1	 Mačkovac Curve upstream Ovine – Zavoj Mačkovac- gorvodno

Right Bank Desna obala	km km	Left Bank Leva obala
	454,0	
Mačkovac Curve Ovinek – Zavoj Mačkovac		453,1
	453,0	
	452,5	 Mačkovac Village Naselje Mačkovac
	452,0	
	451,5	 Mačkovac Shoal Plitvina Mačkovac
	451,3	 Mačkovac Gauge Merilno mesto Mačkovac (83,64 m) Mačkovac Weir Jez Mačkovac
	451,0	
High-voltage Duct Visoko napetostni vod Dolina Pumping Station Črpališče Dolina	 	450,0 
Dolina Village Naselje Dolina		449,0  
Dolina Shoal Plitvina Dolina		448,0  
	447,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Jugovići Village Naselje Jugovići	446,5	
	446,0	
	445,0	
	444,0	
	443,0	
	442,5	
	442,3	
	442,0	
Orubica Village Naselje Orubica	441,0	
	440,0	
	439,0	
	438,0	
Channel Matura Mouth Izliv kanala Matura	437,9	
	437,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	436,0	
	435,0	
	434,2	Gaj Čošak Curve Ovinek – Zavoj Gaj Čošak
	434,0	
	433,0	
	432,0	
	431,0	
Bajinci Village Naselje Bajinci Gaj (Bajinci) Pumping Station Črpališče Gaj (Bajinci)	430,3	
Matura Shoal Plitvina Matura	430,0	Matura Shoal Plitvina Matura
	429,0	
	428,5	
	428,0	
Vrbas River Mouth Izliv reke Vrbas	427,0	 

Right Bank Desna obala	km km	Left Bank Leva obala
Ferry berthing place Rampa za brod	426,8	Ferry berthing place Rampa za brod
Srbac Town Mesto Srbac	426,5	
	426,0	
	425,0	
	424,0	
	423,8	Davor Gauge Merilno mesto Davor (82,78 m)
		Pumping station Črpališće Davor
	423,0	
	422,0	
	421,0	
	420,5	
	420,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Herceg Dol Curve Ovinek – Zavoj Herceg Dol	419,7	
Kaoci Village Naselje Gornji Kaoci Gornji	419,0	
	418,0	   
	417,0	
	416,0	
	415,0	
Donji Kaoci Village Naselje Donji Kaoci Vlaknica River Mouth Izliv reke Vlaknica	414,0	
Shoal Plitvina	413,0	
Motajica Liman Area Območje Motajički Liman (rkm 413,0-412,0)	412,4	
	412,0	 
	411,0	
	410,5	
		Crnac Chanal Mouth – upstream Branch Izliv kanala Crnac 1. krak

Indicator of river kilometres for The Sava River and its navigable Tributaries

Right Bank Desna obala	km km	Left Bank Leva obala
	410,0	
	409,0	
	408,0	
Brusnik Village Naselje Brusnik	407,5	
	407,0	 Pričac Village Naselje Pričac
	406,8	Rinovica Creek Mouth Weir Izliv potoka Rinovica Jez
	406,0	
	405,0	
	404,0	
	403,0	
Shoal Plitvina (rkm 402,0-400,7)	402,0	 Orljava River Mouth Izliv reke Orljava Shoal Plitvina (rkm 402,0-400,7)
	401,0	
Grdelica River Mouth Izliv reke Gradelica	400,5	

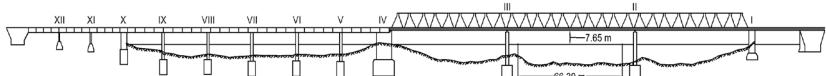
<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
Kobaš Village Naselje Kobaš	400,0	Kobaš Village Naselje Kobaš
	399,0	
	398,0	
Osavica Creek Mouth Izliv potoka Osavica	397,1	
	397,0	Shoal Plitvina
	396,0	
	395,8	Grlić Pumping Station Črpališće Grlić
Shoal Plitvina	395,0	
Crna Reka Creek Mouth Izliv potoka Crna Reka	394,8	
	394,0	
	393,0	
	392,0	
	391,0	
	390,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	389,0	Dubočac Shoal Plitvina Dubočac (rkm 390,0-388,0)
Dubočac Village Vas Dubočac	388,7	Dubočac Village Naselje Dubočac
	388,0	
	387,2	Dubočac Pumping Station Črpališče Dubočac
	387,0	
	386,0	
Zbjeg Shoal Plitvina Zbjeg (rkm 385,0-382,0)	385,0	
	384,0	
	383,1	
	383,0	
Zbješka Ada – middle of Island Sredina otoka Zbješka Ada	382,5	
	382,0	Zbješka Urija Area Območje Zbješka Urija
Izliv reke Ukrina Ukrina River Mouth	381,5	

Right Bank Desna obala	km km	Left Bank Leva obala
	381,0	
Shoal Plitvina Migalovci (rk 380,0-379)	380,0	
	379,0	
	378,6	
	378,6	
	378,2	Shoal Plitvina Sijekovac (rk 378,2-377,0) 
	378,0	
	377,0	
Sijekovac Village Naselje Sijekovac   	376,7	
	376,5	
Underwater Duct Podvodni vod 	376,45	Underwater Duct Podvodni vod 
	376,4	
	376,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	375,0	 Possibility turning Area Mogoće obračalište Winter Shelter Zimsko zaklonišće
	375,0	
	374,9	
h <sub>0</sub> =24,0m Pipeline Bridge	bpl=104,30m 374,9	h <sub>nvpn</sub> =16,53m Instalacijski most
	374,8	
Rafinerija nafte Oil Refinery		
Oil Pipeline Naftovod „JANAF“	374,6	Oil Pipeline Naftovod „JANAF“
Oil Reloading Place Mesto za pretvarjanje nafte		374,5
	374,5	
	374,1	
	374,0	 

Right Bank Desna obala	km km	Left Bank Leva obala
 	373,8	
	373,6	
	373,0	
Brod Town Mesto Brod	 	  Mrsunja Gauge Črpališće Mrsunja
	372,0	
	371,6	 Mrsunja Chanal Mouth Izliv kanala Mrsunja



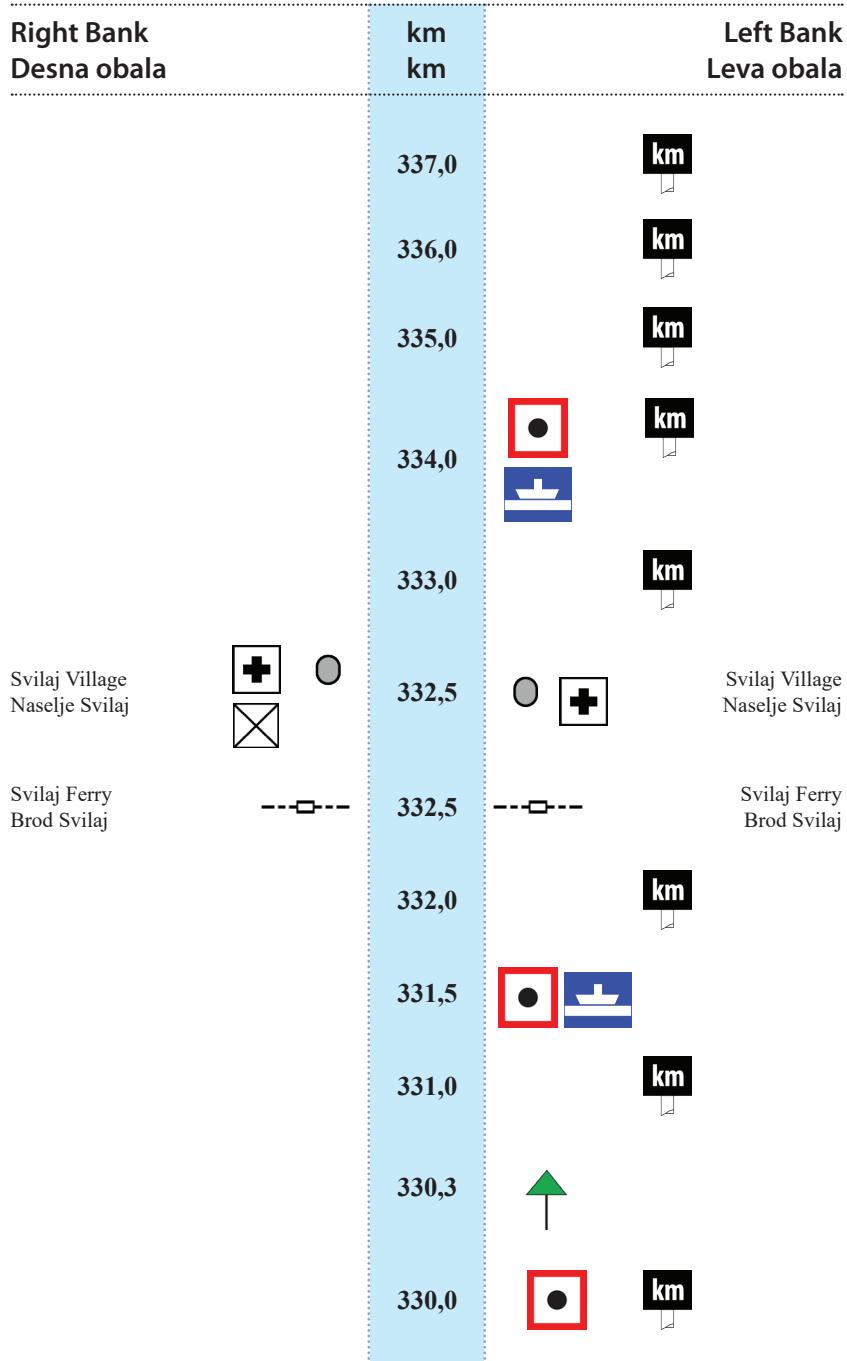
 	371,5	 Gauge Merilno mestor Slavonski Brod (81,80 m)
Brodska Ada Island Otok Brodska ada Island	371,3	 Slavonski Brod Town Mesto Slavonski Brod
	371,0	   

Right Bank Desna obala	km km	Left Bank Leva obala
	371,0	
	370,1	
	370,0	
	369,0	
	368,0	
Brodsko Polje Pumping Station Črpališće Brodsko Polje	367,0	
	366,8	
	366,6	Poloj Bay Kopališće Poloj
	366,3	
	366,0	
	365,0	
	364,9	
		Slavonski Brod Town Mesto Slavonski Brod
		Shoal Plitvina Poloj (rkm 367,0- 366,0)
		Poloj Bay Kopališće Poloj
		Winter Shelter Zimsko zaklonišće
		Glogovica Chanal Mouth Izliv kanala Glogovica

Right Bank Desna obala	km km	Left Bank Leva obala
High voltage Duct Visoko napetostni vod	364,6	High voltage Duct Visoko napetostni vod
	364,0	 km
	363,6	
	363,4	Port of Slavonski Brod Luka Slavonski Brod
	363,2	
	363,0	 km Oil Terminal Naftni terminal
	362,8	 Ruščica village Naselje Ruščica
	362,2	
	362,0	km
	361,2	
Oil Pipeline Naftovod „JANAF“	361,1	Oil Pipeline Naftovod „JANAF“
	361,0	 km
	360,0	km
	359,0	km

Right Bank Desna obala		km km	Left Bank Leva obala
Moclek Curve Ovinek – Zavoj Moclek		358,1	
Liješće Village Naselje Liješće		358,0	
		357,0	
		356,0	
		355,0	
		354,0	
		353,0	
Donji Klakar Village Naselje Donji Klakar		352,0	Klakar Village Naselje Klakar
		351,0	
		350,0	
Velika Brusnica Village Naselje Velika Brusnica Quarry Kamenolom		349,8	
		349,0	
		348,0	
		347,0	

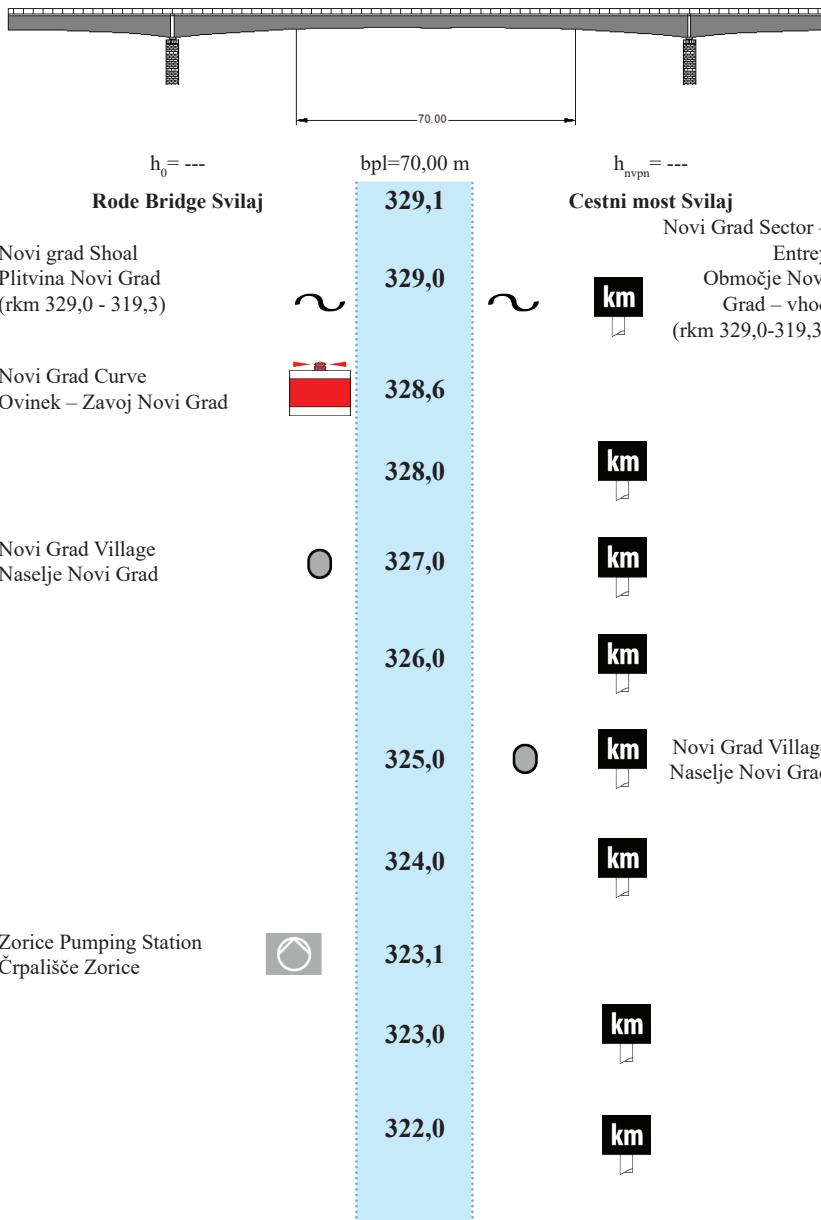
Right Bank Desna obala	km km	Left Bank Leva obala
Mala Brusnica Village Naselje Mala Brusnica	346,0	
	345,0	
	344,0	
Ugljara Area Območje Ugljara	343,5	
Shoal Plitvina	343,0	
	342,2	
	342,0	
	341,0	
	340,0	
	339,2	
	339,0	
	338,0	
	337,5	
Canal Mouth Izliv kanala	337,2	



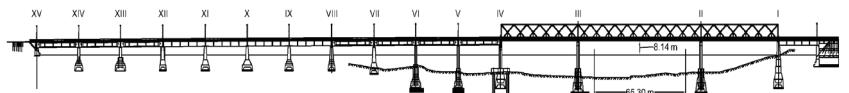
**Right Bank**  
**Desna obala**

**km**  
**km**

**Left Bank**  
**Leva obala**



Right Bank Desna obala	km km	Left Bank Leva obala
Zorice Village Naselje Zorice	321,0	 
	320,0	 
Novi Grad Sector-Exit Območje Novi Grad - izhod	319,3	Novi Grad Sector-Exit Območje Novi Grad-izhod
	319,0	 
	318,0	 
	317,0	 
	316,8	 
Underwater Duct Podvodni vod	316,7	Underwater Duct Podvodni vod
	316,5	 
	316,0	 
	315,0	 
	314,8	 
Bosna River Mouth Izliv reke Bosna	314,5	Gauge Merilno mesto Slavonski Šamac (rkm 80,70 m)

Right Bank Desna obala	km km	Left Bank Leva obala
Šamac Town Mesto Šamac	314,0	Slavonski Šamac Village Naselje Slavonski Šamac
Port of Šamac Luka Šamac	313,0	
	312,8	
	312,5	
	312,1	
	312,0	
 <p>Diagram illustrating the bridge structure with piers labeled I through XV. Dimensions shown: <math>h_0 = 14,65 \text{ m}</math>, <math>bpl = 65,30 \text{ m}</math>, and <math>h_{nvpn} = 8,14 \text{ m}</math>.</p>		
Šamac Road-Railway Bridge	311,8	Cestno-Železniški most Šamac
High voltage Duct Visoko napetostni vod	311,2	High voltage Duct Visoko napetostni vod
	311,0	
	310,0	Savulja Shoal Plitvina Savulja

Right Bank Desna obala	km km	Left Bank Leva obala
	309,3	
	309,0	
Plitvina Bukovi Bukovi Shoal	308,6	
	308,0	
Grebnice Village Naselje Grebnice	307,0	
Vučjak Curve Ovinek – Zavoj Vučjak	306,7	
	306,0	
Klenič Shoal Plitvina Klenič	305,0	
	304,0	
	303,0	
	302,0	
	301,0	

<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
Ferry berthing Place Rampa za brod	300,6	Ferry berthing Place Rampa za brod
	300,5	
	300,0	  Dubočica area Območe Dubočica
Underwater Duct Podvodni vod	299,9	Underwater Duct Podvodni vod
	299,8	
	299,5	 
	299,0	 
	298,0	
	297,0	
	296,0	 
Domaljevac Village Naselje Domaljevac	295,0	 
	294,0	
	293,7	
	293,0	

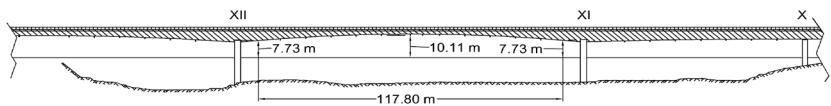
Right Bank Desna obala	km km	Left Bank Leva obala
	292,0	
	291,2	 Ajdukovo Area Območje Ajdukovo
	291,0	
	290,0	
	289,0	 Rastovica Shoal Plitvina Rastovica (rkm 289,0-286,0)
	288,0	
	287,0	
	286,0	 Winter Shelter Zimsko zaklonišče
	285,0	
	284,0	 Štitar Village Naselje Štitar
	283,0	
	282,0	
	281,0	
	280,0	
	279,9	

Right Bank Desna obala	km km	Left Bank Leva obala
Pumping Station Črpališče	279,6	
	279,0	km
Brod (sezonsko) Ferry (seasonal operation)	278,5	Območje Burumi Ferry (seasonal operation) Brod (sezonsko)
	278,0	km
	277,1	
	277,0	km
Tolisa Village Naselje Tolisa	276,8	
	276,0	km
Tolisa Shoal Plitvina Tolisa	275,8	
	275,0	km
	274,0	
	273,0	km
		Repovac Shoal Plitvina Repovac

Indicator of river kilometres for The Sava River and its navigable Tributaries

Right Bank Desna obala	km km	Left Bank Leva obala
	272,5	
	272,0	
	271,6	
	271,0	
	270,0	
	269,5	 Reloading Site Mesto za pretovarjanje
	269,0	
	268,7	
	268,0	
	267,6	 Županja Town Mesto Županja Županja Gauge Merilno mesto (76,28 m)
	267,0	
	266,0	
	265,7	Županja Ciglana Area Območje Županja Ciglana

Right Bank Desna obala	km km	Left Bank Leva obala
	265,5	Poloji Bay Plaža Poloji
	265,0	<b>km</b>
	264,0	<b>km</b>
	263,0	<b>km</b>
	262,7	
Underwater Duct Podvodni vod	262,4	Underwater Duct Podvodni vod
	262,0	 <b>km</b>
  	261,8	 Winter Shelter Zimsko zaklonišče



$h_0=15,88\text{m}$   
Road Bridge Orašje – Županja

$h_{\text{nvnp}}=7,73\text{m}$   
Cestni most Županja – Orašje

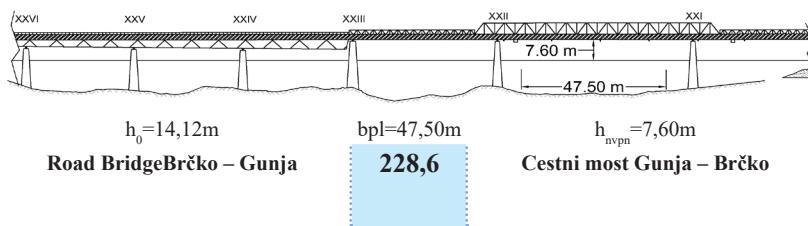
261,6
261,0
260,0

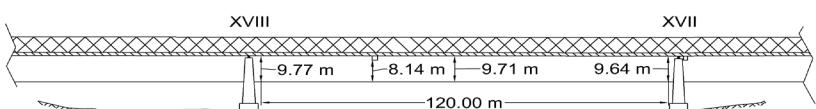


<b>Right Bank</b> <b>Desna obala</b>	<b>km</b> <b>km</b>	<b>Left Bank</b> <b>Leva obala</b>	
High voltage Duct Visoko napetostni vod		259,0	 High voltage Duct Visoko napetostni vod
	258,0		
	257,5		
	257,0		
Kopanice Village Naselje Kopanice		256,0	
	255,0		
	254,9		
	254,0		
	253,0		
	252,0		
	251,0		
	250,0		
	249,9	 Topola Area Območje Topola	
	249,0		

Right Bank Desna obala	km km	Left Bank Leva obala
	248,0	
	247,0	
Vidovice Village Naselje Vidovice	246,0	
	245,0	
Vučilovac Village Naselje Vučilovac	244,0	
	243,7	
	243,0	
	242,0	
Črpališće Pumping Station Naselje Krepšić Krepšić Village	241,0	
	240,0	
	239,0	
	238,0	
	237,0	
Rajevo Selo Village – upstream Naselje Rajevo Selo – gorvodno		
Rajevo Selo Curve Ovinek – Zavoj Rajevo Selo		

Right Bank Desna obala	km km	Left Bank Leva obala
	236,0	Rajevo Selo Village – downstream Naselje Rajevo Selo – dolvodno
	235,0	km
Izliv reke Tinja Tinja River Mouth	234,3	km
	234,0	km
Plazulja Village Naselje Plazulja	233,0	km
	232,0	km
	231,0	km
	230,0	km
Brka River Mouth Izliv reke Brka	229,0	km
Gauge Merilno mesto Brčko	228,6	km



Right Bank Desna obala	km km	Left Bank Leva obala
Brčko Town Mesto Brčko	228,4	Gunja Village Naselje Gunja Winter Shelter Zimsko zaklonišče
Port of Brčko Luka Brčko Border Crossing Mejni prehod	228,4	
	228,4	
Port of Brčko Luka Brčko	228,2	
	228,1	
	228,0	km
	227,5	
	227,0	km
 <p>XVIII                                    XVII</p> <p>ho=16,06m                              bpl=120,00m                              h<sub>hypn</sub>=8,14m</p> <p>Railway Bridge Brčko – Gunja              226,9                              Železniški most Gunja – Brčko</p>		
	226,4	

Right Bank Desna obala	km km	Left Bank Leva obala
	226,0	
	225,0	
	224,9	
	224,0	
	223,0	~
	222,0	
	221,0	
	220,8	
	220,0	
	219,7	
~	219,0	
	218,0	
	217,0	
	216,7	

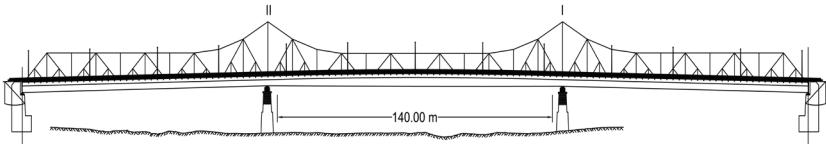
Trnjani Shoal  
Plitvina Trnjani

Gunja Shoal  
Plitvina Gunja  
(rkm 223,0-221,0)  
Konjuša Pumping  
Station  
Črpališće Konjuša

Right Bank Desna obala	km km	Left Bank Leva obala
Brezovo Polje Village Naselje Brezovo Polje	216,0	Račinovci Village Naselje Račinovci
	215,0	<b>km</b>
	214,0	<b>km</b>
	213,8	Teča Pumping Station Črpališće Teča
	213,0	<b>km</b>
Shoal Plitvina (rkm 212,0- 211,0)	212,0	<b>km</b>
Lukavac Channel Mouth Izliv kanala Lukavac Nakić-Kula Nakić-Kula	211,0	Račinovac Channel Mouth Izliv kanala Račinovac Border (HR-SRB) Devojačka kula (meja HR-SRB)
	210,8	<b>T</b>
	210,0	<b>km</b>
	209,0	<b>km</b>
	208,0	<b>km</b>
Crnjelovo Pumping Station Črpališće Crnjelovo	207,2	
	207,0	<b>km</b>

Right Bank Desna obala		km km	Left Bank Leva obala
		206,0	
Crnjelovo Village Naselje Crnjelovo (3km)		205,0	Jamena Village Naselje Jamena (2 km)
Border Crossing Cestni mejni prehod Jamena – Subotiče Ferry Brod		204,8	Jamena Gauge Merilno mesto Jamena (72,44m)
		204,8	Border Crossing Cestni mejni prehod Jamena – Subotiče Ferry Brod
		204,0	
		203,0	
		202,0	
Pumping Station Črpališče		201,8	
		201,0	
		200,3	
		200,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	199,0	
	198,0	
	197,0	
Pumping Station Črpališče		196,4
		196,0
	195,0	
	194,0	
	193,0	
	192,0	
	191,0	
Visoč Area Območje visoč (rkm 191,0 – 190,0)		190,7
	190,0	
	189,0	
	188,0	Lisnik Area Območje Lisnik (rkm 188,0 – 187,0)
	187,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	186,0	<b>km</b>
<b>km</b>	185,0	
	184,0	Bela Crkva Area Območje Bela Crkva <b>km</b> (rkm 184,0-182,5)
	183,9	Sremska Rača Village Selo Sremska Rača (1 km)
Visoko napetostni vod High voltage Duct	183,8	Visoko napetostni vod High voltage Duct
	140,00 m	
	183,3	
Rača Road-Railway Bridge Border Crossing Cestni mejni prehod BiH - SRB	183,3	Cestni-Železniški most Rača Border Crossing Cestni mejni prehod BiH - SRB
	183,0	<b>km</b>
	182,0	<b>km</b>
	181,0	<b>km</b>
	180,0	
	179,7	

Right Bank Desna obala	km km	Left Bank Leva obala
	179,5	Rača Sector-Entrey Območje Rača-ulaz
	179,2	T Signal Spot (out of Function) Signalna postaja (izven funkcije)
	179,0	
	178,7	
Bosanska Rača Village Naselje Bosanska Rača (1,5 km)	178,5	
Drina Mouth Izliv reke Drina Border BiH-SRB Meja (BiH-SRB)	178,0	
	177,0	
	176,9	
	176,0	
	175,2	
	175,0	
	174,8	
Potopljeni objekt Sunken Object	174,0	
	173,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	172,6	Signal Spot (out of Function) Signalna postaja Poloj (izven funkcije) Rača Sector Exit Sektor Rača - izhod
	172,4	T
	172,0	
	171,5	VHF 16
	171,0	
	170,0	Stara Sava Area Območje Stara Sava (rkm 169,0-170,0)
	169,0	
	168,0	
Crna Bara Village Naselje Crna Bara (4km) 	167,7	
	167,0	
	166,0	Banov Brod Area Območje Banov Brod
	165,4	
	165,0	

Right Bank Desna obala	km km	Left Bank Leva obala
	164,0	
	163,0	 Bosut Village Naselje Bosut (1 km)
	162,5	 Bosut Mouth Izliv reke Bosut
	162,3	 Pumping Station Črpališće
	162,0	
Sunken Object Potopljeni objekt	161,4	
	161,0	
	160,1	
	160,0	
	159,7	 Klještevica Village Naselje Klještevica (1km)
	159,0	
	158,0	
	157,0	

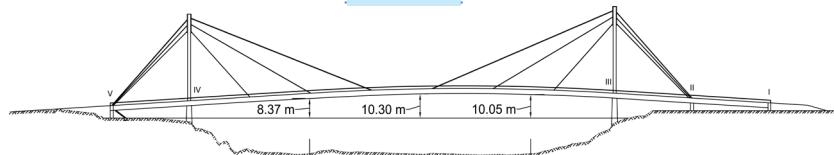
Right Bank Desna obala	km km	Left Bank Leva obala
Ravnje Village Naselje Ravnje (1 km)	 	156,0
		155,6
		155,0
		154,4
		154,0
		153,4
		153,0
		152,2
		152,0
		151,0
		150,0
		149,0
		148,0
Special Nature Reserve „Zasavica“ Naravni rezervat „Zasavica“ (rkm 145,0-150,0)		147,0
Naselje Zasavica (0,8 km) Zasavica Village		146,0

Right Bank Desna obala	km km	Left Bank Leva obala
	145,0	
	144,4	 General Channel Mouth Izliv Generalnega kanala
	144,0	
Shipyard Ladjedelnica		Laćarak Village Naselje Laćarak (2,5 km)
	143,6	
	143,0	
High voltage Duct Visoko napetostni vod		 High voltage Duct Visoko napetostni vod
	142,2	
	142,0	
	141,9	 Reloading Place Mesto za pretovarjanje
	141,0	
	140,0	
	139,9	 Water Duct Vodovod
Underwater Duct Podvodni TT vod		 Underwater Duct Podvodni TT vod
Underwater Duct Podvodni elekt. kabel		 Underwater Duct Podvodni elekt. kabel
	139,85	
	139,7	

**Right Bank  
Desna obala**

**km  
km**

**Left Bank  
Leva obala**



$$h_0 = 14,59\text{m}$$

$$\text{bpl} = 60,00\text{m}$$

$$h_{\text{vpn}} = 8,37\text{m}$$

**Pedestrian Bridge Sr. Mitrovica**

**139,25**

**Most za pešce Sr. Mitrovica**

**139,24**

Gauge  
Merilno mesto Sremska  
Mitrovica (72,22 m)

Underwater Duct  
Podvodni kabel

**139,2**

Underwater Duct  
Podvodni kabel

Mačvanska Mitrovica Village  
Naselje Mačvanska Mitrovica

**139,0**

Sremska Mitrovica  
Town  
Mesto Sremska Mitrovica  
Fresh Water  
Pitna voda



**139,0**

Border Crossing  
Mejni prehod  
Border Police  
Mejna policija

Underwater Optical Duct  
Podvodni optični kabel

**138,85**

Underwater Optical Duct  
Podvodni optični kabel



**138,9**

**138,8**

Bogaz Channel Mouth  
Izliv kanala Bogaz

**138,7**

Noćajski Salaš Village  
Naselje Noćajski salaš (1,7 km)  
Underwater Duct  
Podvodni kabel

**138,6**

Underwater Duct  
Podvodni kabel

Right Bank Desna obala	km km	Left Bank Leva obala
	138,5	
	138,4	
	138,1	Bay Plaža
	138,0	
	137,0	
<p>The diagram illustrates the Sremska Mitrovica Road Bridge. It shows a horizontal bridge deck supported by piers. Below the deck, the river channel is depicted with a wavy line. Three spans are labeled with their widths: 9,30 m, 11,18 m, and 9,33 m. The total length of the bridge is indicated as 150,00 m. The water level is marked at h₀ = 15,44m, and the navigation height is marked as h_nvnpn = 9,30m.</p>		
Sremska Mitrovica Road Bridge	136,6	Cestni most Sremska Mitrovica
	136,0	
	135,8	
	135,7	Port of Leget Luka Leget Frish Water Pitna voda
	135,0	Winter Shelter Zimsko zaklonišće (rkm 138,5- 138,1)
	134,8	
	134,6	Reloading Place Mesto za pretovarjanje – tovarna celuloze

Indicator of river kilometres for The Sava River and its navigable Tributaries

Right Bank Desna obala	km km	Left Bank Leva obala
		134,4
		134,0
		133,0
		132,0
		131,1
		131,0
Channel Mouth Izliv kanala		130,4
Čevrntija Area Območje Čevrntija		130,0
		129,0
		128,0
Sunken Object Potopljeno plovilo "Slovenac"		127,5
		127,0
Bitva Channel Mouth Izliv kanala Bitva		126,8
		126,0
Vrbovača Area Vrbovača (šire Območje)		125,5

Right Bank Desna obala	km km	Left Bank Leva obala
	125,0	
	124,0	 Jarak Village Naselje Jarak (0,8 km)
	123,7	Ferry Berthing Place Rampa
	123,3	 Jarčina Channel Mouth Izliv kanala Jarčina Pumping Station Črpališče
	123,0	
	122,0	
	121,0	 Hrtkovci Village Naselje Hrtkovci (2 km)
	120,0	
	119,0	
	118,0	
	117,0	
	116,1	 Channel Mouth Izliv kanala Pumping Station Črpališče
	116,0	

Indicator of river kilometres for The Sava River and its navigable Tributaries

Right Bank Desna obala	km km	Left Bank Leva obala
	115,0	Sinajska Bara Area Območje Sinajska Bara
	115,0	
	114,0	
	113,0	
	112,5	
	112,0	
	111,0	
Drenovac Channel Mouth Izliv kanala „Drenovački kanal“ Drenovac Sector Območje Drenovac (rkm 111,7-107,0)		
Ex Military Ferry berthing Place Nekdanja vojna rampa	109,8	
	109,0	
Koča Channel Mouth Izliv kanala Kočin kanal	108,8	
	108,0	
	107,7	 Klenak Village Vas Klenak (1,5 km)

Right Bank Desna obala	km km	Left Bank Leva obala
	<b>107,0</b>	
	bpl=75,00m	$h_{nvpn} = 6,46\text{m}$
<b>Šabac Railway Bridge</b>	<b>107,0</b>	<b>Železniški most Šabac</b>
Šabac Gauge Merilno mesto Šabac (72,22 m)		
Silo Reloading Place Mesto za pretovor - silos		<b>106,28</b>
	<b>106,2</b>	
	bpl=75,00m	
<b>Šabac Old Town</b> Šabački „Stari grad“ srednjeveška utrdba	<b>106,0</b>	
	<b>105,5</b>	
Šabac Town Mesto Šabac		<b>105,0</b>
Pristanišče za pretovor tekočih tovorov Oil Terminal		<b>104,6</b>
	bpl=80,00m	$h_{nvpn} = 9,42\text{m}$
<b>Šabac Road Bridge</b>	<b>104,5</b>	<b>Cestni most Šabac</b>
$h_0 = 14,13\text{m}$		

Right Bank Desna obala	km km	Left Bank Leva obala
	104,0	
Reloading Place Tovarniško pristanište – vertikalni kej		103,7
	103,0	
	102,8	Upstream Part of Mišarska Ada Island Mišarska Ada,vrh
Izliv kanala Dumača Dumača Channel Mouth		102,6
Jelenča Village Naselje Jelenča (1,7 km)	  	102,0
Port of Šabac Luka Šabac	   	101,0
	100,8	Downstream Part of Mišarska Ada Island Mišarska Ada – konec
Mišar Village Naselje Mišar (2 km)	 	100,5
	100,0	
Visoko napetostni vod High voltage Duct		99,8
	99,0	
	98,9	High voltage Duct Visoko napetostni vod

<b>Right Bank Desna obala</b>	<b>km</b>	<b>Left Bank Leva obala</b>
Pipeline Cevovod	98,7	Pipeline Cevovod
	98,5	
Orašac Village Naselje Orašac (1,8 km)	98,0	
	97,2	
	97,0	
	96,0	
Mrđanovac Sector Sektor Mrđenovac (rkm 98,0-95,0)	95,0	Mrđanovac Sector Sektor Mrđenovac (rkm 98,0-95,0)
	94,4	Vitojevačka Ada Island Otok Vitojevačka Ada (rkm 93,6-95,3)
	94,0	
	93,0	
	92,0	
	91,0	
Naselje Dragojevac (1,8 km) Dragojevac Village	90,5	
	90,0	Široke Njive Sector Sektor Široke Njive (rkm 92,0 - 89,0)

Right Bank Desna obala	km km	Left Bank Leva obala
Entrey of Kamičak Sector Sektor Kamičak – vhod (rkm 89,0 – 82,3)		<b>89,0</b>
	<b>km</b>	<b>89,0</b>
		<b>88,0</b>
		<b>87,0</b>
		<b>86,8</b>
		<b>86,0</b>
		<b>85,0</b>
Winter Shelter Zimsko zaklonišče (rkm 82,3-85,5)		<b>84,5</b>
	<b>km</b>	<b>84,5</b>
		<b>84,0</b>
		<b>83,2</b>
		<b>83,0</b>
Exit of Kamičak Sector Območje Kamičak – izhod (rkm 82,3 – 89,0)		<b>82,3</b>
	<b>km</b>	<b>82,3</b>
		<b>82,0</b>
		<b>81,0</b>
		
		<b>km</b>

Right Bank Desna obala	km km	Left Bank Leva obala
Plandište Area Območje Plandište(rkm 82,0-81,0) Orlača Area Območje Orlača (rkm 82,0-71,0)	80,0	 <b>km</b>
	79,0	<b>km</b>
	78,3	
	78,0	<b>km</b>
	77,0	<b>km</b>
	76,0	<b>km</b>
<b>km</b>	75,0	
	74,6	
	74,2	
<b>km</b>	74,0	
<b>km</b>	73,0	
<b>km</b>	72,0	

Right Bank Desna obala		km km	Left Bank Leva obala
Provo Village Naselje Provo (2 km)	 		71,0
Duboka Area Območje Duboka (rkm 70,0-69,0)			70,0
			69,5
			Kupinski Kut Curve Ovinek – Zavoj Kupinski Kut
			69,0
Novo Selo Village Naselje Novo Selo			68,4
			68,0
Beljin Gauge Merilno mesto Beljin (69,99 m)			67,53
Silo Silos			67,1
Mesarci Village Naselje Mesarci Debrc Reloading Place Mesto za pretovarjanje Debrc			67,0
Beljin Village Naselje Beljin (3,7 km)		 	66,0
			65,0

Right Bank Desna obala	km km	Left Bank Leva obala
	64,0	
Vukodraž Village Naselje Vukodraž Ušće Village Naselje Ušće (2 km)	63,6	
	63,0	
Vukodraž Channel Mouth Izliv kanala Vukodraž	62,0	
Power Plant Oil Terminal Mesto za pretovarjanje T/E (tekoči tovor)	61,5	
Obrenovac „B“ Power Plant (hot water outlet) Termoelektrana Obrenovac „B“ (izpust vrele vode)	61,4	
	61,0	
	60,8	Upstream Part of Mozerova Ada Island Otok Mozerova Ada – vrh
	60,0	Mozerova Ada Island Otok Mozerova Ada
	59,1	Downstream Part of Mozerova Ada Island Otok Mozerova Ada – kraj
Upstream Part of Skelska Ada Island Otok Skelska Ada – vrh	58,5	
	58,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Skelska Ada Island Otok Skelska Ada	57,3	
Winter Shelter Zimsko zaklonišče (rkm 55,9-57,1)	57,0	
Ferry Prehod broda	56,7	
Skela Village Naselje Skela	56,2	Obedska Bara Channel Mouth Izliv kanala iz Obedske Bare
	56,0	
	55,9	
	55,5	Kupinovo Village Naselje Kupinovo (2 km)
	55,0	
	54,5	Water Supply Facility Kaptažno zajetje
	54,0	
	53,5	Water Supply Facility Kaptažno zajetje
	53,2	Water Supply Facility Kaptažno zajetje
	53,0	
	52,95	Water Supply Facility Kaptažno zajetje

<b>Right Bank Desna obala</b>	<b>km km</b>		<b>Left Bank Leva obala</b>
	<b>52,7</b>		Water Supply Facility Kaptažno zajetje
	<b>52,0</b>		
	<b>51,85</b>		Water Supply Facility Kaptažno zajetje
High voltage Duct Visoko napetostni vod		<b>51,5</b>	High voltage Duct Visoko napetostni vod
	<b>51,45</b>		Water Supply Facility Kaptažno zajetje
Krtinski Creek mouth Izliv Krtinskog kanala Pumping Station Črpališče			<b>51,4</b>
	<b>51,0</b>		
	<b>50,95</b>		Water Supply Facility Kaptažno zajetje
High voltage Duct Visoko napetostni vod		<b>50,9</b>	High voltage Duct Visoko napetostni vod
High voltage Duct Visoko napetostni vod		<b>50,8</b>	High voltage Duct Visoko napetostni vod
	<b>50,45</b>		Water Supply Facility Kaptažno zajetje
	<b>50,25</b>		Water Supply Facility Kaptažno zajetje
	<b>50,0</b>		Water Supply Facility Kaptažno zajetje
	<b>49,6</b>		Water Supply Facility Kaptažno zajetje
	<b>49,1</b>		Water Supply Facility Kaptažno zajetje

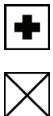
<b>Right Bank</b> <b>Desna obala</b>	<b>km</b> <b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
	<b>49,0</b>	Water Tower Vodovodni stolp
	<b>48,7</b>	Upstream Part of Progarska Ada Island Otok Progarska Ada – vrh
	<b>48,35</b>	 Water Supply Facility Kaptažno zajetje
	<b>48,3</b>	
	<b>48,0</b>	
	<b>47,95</b>	 Water Supply Facility Kaptažno zajetje
	<b>47,8</b>	 Progarska Ada Island Otok Progarska Ada
	<b>47,6</b>	 Water Supply Facility Kaptažno zajetje
	<b>47,2</b>	 Water Supply Facility Kaptažno zajetje
	<b>47,0</b>	
	<b>46,7</b>	   Progar Village Naselje Progar Downstream Part of Progarska Ada Island Progarska Ada-kraj
	<b>46,0</b>	
	<b>45,0</b>	
	<b>44,0</b>	  Pumping Stations Črpališče

Right Bank Desna obala	km km	Left Bank Leva obala
	43,1	
„Obrenovac A“ Power Plant Termoelektrana „Obrenovac A“	43,0	
	42,5	Cestno-toplovodni most Obrenovac
High voltage Duct Visoko napetostni vod	42,3	High voltage Duct Visoko napetostni vod
High voltage Duct Visoko napetostni vod	42,2	High voltage Duct Visoko napetostni vod
Obrenovac Town Mesto Obrenovac High voltage Duct Visoko napetostni vod	42,0	High voltage Duct Visoko napetostni vod
Silo Reloading Place Mesto za pretovarjanje - silos	42,0	
High voltage Duct Visoko napetostni vod	41,9	High voltage Duct Visoko napetostni vod
	41,0	
	40,0	
Zabrežje Village Naselje Zabrežje (0,8 km)	39,3	

Right Bank Desna obala	km km	Left Bank Leva obala
	39,0	
Reloading Place (out of Function) Mesto za pretovarjanje – ertikalni kej (izven funkcije)		38,8
	38,0	
	37,7	 Water Supply Facility Kaptažno zajetje
	37,0	
	36,9	 Water Supply Facility Kaptažno zajetje
	36,6	 Water Supply Facility Kaptažno zajetje
	36,0	
	35,5	 Water Supply Facility Kaptažno zajetje
	35,3	
	35,0	   Boljevci Village Naselje Boljevci (1 km)
	34,7	 Water Supply Facility Kaptažno zajetje
	34,5	 Water Supply Facility Kaptažno zajetje
	34,1	 Water Supply Facility Kaptažno zajetje

Right Bank Desna obala	km km	Left Bank Leva obala
	34,0	
	33,7	 Water Supply Facility Kaptažno zajeđje
	33,0	
	32,9	
	32,0	
Čair Area Območje Čair		31,0
Perilo Area Območje Perilo		30,8
		30,0
		29,0
		
Kolubara River Mouth Izliv reke Kolubara		28,0
Upstream Part of Kolubarska Ada Island Otok Kolubarska Ada – vrh		27,6
Barič Village Naselje Barič	   	27,0
		 Upstream Part of Kolubarska Ada Island Otok Kolubarska Ada – vrh

Right Bank Desna obala		km km	Left Bank Leva obala
Oil Terminal Pristanišče za tekoči tovor		26,3	
Kolubarska Ada Island Otok Kolubarska Ada		26,0	Kolubarska Ada Island Otok Kolubarska Ada
		25,0	
Downstream Part of Kolubarska Ada Island Otok Kolubarska Ada – kraj		25,0	Downstream Part of Kolubarska Ada Island Otok Kolubarska Ada – kraj
Mala Moštanica Village Naselje Mala Moštanica (2,5 km)		24,3	
		24,0	
		23,0	
Underwater Duct Podvodni kabel		22,6	Underwater Duct Podvodni kabel
Umka Village Naselje Umka (0,8 km)		22,0	
		21,0	
Factory Tovarna		20,0	
		19,6	
		19,3	

Right Bank Desna obala	km km	Left Bank Leva obala
	19,0	
	18,7	 Water Supply Facility Kaptažno zajetje
	18,3	 Water Supply Facility Kaptažno zajetje
	18,0	
  Oil Terminal Mesto za iztovarjanje naftnih derivatov	18,0	
	17,9	 Water Supply Facility Kaptažno zajetje
	17,6	
	17,5	 Water Supply Facility Kaptažno zajetje
Pristanišče Terminal 	17,2	 Water Supply Facility Cevni vodnjak
	17,0	 Water Supply Facility Cevni vodnjak
	16,85	 Water Supply Facility Cevni vodnjak
	16,65	 Water Supply Facility Cevni vodnjak
 Ostrovica Village Naselje Ostrovica	16,6	

**Right Bank  
Desna obala**

**km  
km**

**Left Bank  
Leva obala**

**16,5**



Water Supply Facility  
Cevni vodnjak

**16,3**



Water Supply Facility  
Cevni vodnjak

**16,2**



**16,1**



Water Supply Facility  
Cevni vodnjak

**16,0**



**15,9**



Water Supply Facility  
Cevni vodnjak

**15,7**

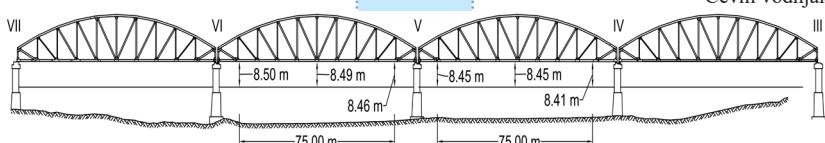


Water Supply Facility  
Cevni vodnjak

**15,6**



Water Supply Facility  
Cevni vodnjak



$h_0=14,44\text{m}$   
**Ostružnica Railway Bridge**

bpl=2 x 75,00m

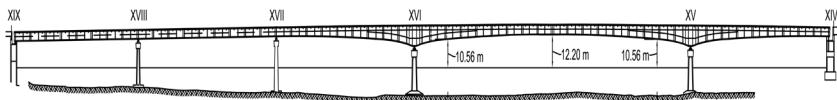
**15,4**

$h_{\text{nvpn}}=8,41$

**Železniški most Ostružnica**



Water Supply Facility  
Kaptažno zajetje



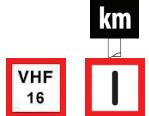
$h_0=16,58\text{m}$   
**Ostružnica Road Bridge**

bpl=150,00m

**15,0**

$h_{\text{nvpn}}=10,56\text{m}$

**Cestni most Ostružnica**

<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
Water Supply Facility Kaptažno zajetje	14,95	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	14,7	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	14,6	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	14,3	Water Supply Facility Kaptažno zajetje
	14,0	
Water Supply Facility Kaptažno zajetje	13,9	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	13,8	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	13,6	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	13,25	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	13,2	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	13,0	
Water Supply Facility Kaptažno zajetje	12,85	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	12,8	Water Supply Facility Kaptažno zajetje
Directorate for Inland Waterways Baza Direkcije za vodno območje	12,55	

<b>Right Bank</b> <b>Desna obala</b>	<b>km</b> <b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
Water Supply Facility Kaptažno zajetje	12,5	
	12,4	Water Supply Facility Kaptažno zajetje
Shipyard Ladjedelnica	12,3	
Water Supply Facility Kaptažno zajetje	12,1	
	12,05	Water Supply Facility Kaptažno zajetje
	12,0	
Water Supply Facility Kaptažno zajetje	11,95	
Water Supply Facility Kaptažno zajetje	11,7	Water Supply Facility Kaptažno zajetje
	11,35	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	11,3	
Makiš Pumping Station Črpališče „Makiš“	11,0	
	10,75	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	10,5	
	10,45	Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje	10,2	

<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
	<b>10,1</b>	 Water Supply Facility Kaptažno zajetje
Upstream Part of Velika Ada Ciganlija Otok Velika Ada Ciganlija – vrh		<b>10,0</b>
Water Supply Facility Kaptažno zajetje		<b>9,7</b>
	<b>9,5</b>	 Water Supply Facility Kaptažno zajetje
Water Supply Facility Kaptažno zajetje		<b>9,3</b>
	<b>9,1</b>	 Water Supply Facility Cevni vodnjak
High voltage Duct Visoko napetostni vod		<b>9,0</b>
		High voltage Duct Visoko napetostni vod
	<b>9,0</b>	 Water Supply Facility Cevni vodnjak
	<b>8,9</b>	 Water Supply Facility Cevni vodnjak
	<b>8,8</b>	 Water Supply Facility Cevni vodnjak
Water Supply Facility Kaptažno zajetje		<b>8,65</b>
	<b>8,55</b>	 Water Supply Facility Cevni vodnjak
	<b>8,4</b>	 Water Supply Facility Cevni vodnjak
	<b>8,25</b>	 Water Supply Facility Cevni vodnjak
	<b>8,0</b>	 Water Supply Facility Cevni vodnjak

Right Bank Desna obala	km km	Left Bank Leva obala
	7,85	Water Suppliy Facility Cevni vodnjak
Water Suppliy Facility Kaptažno zanjete	7,6	Water Suppliy Facility Kaptažno zanjete
Upstream Part of Ada Medica Otok Ada Međica – vrh	7,4	
	7,4	
	7,15	Water Suppliy Facility Kaptažno zanjete
	7,0	
Ada Medica Island Otok Ada Medica	6,8	
	6,7	Water Suppliy Facility Kaptažno zanjete
Velika Ada Ciganlija Island Otok Velika Ada Ciganlija	6,5	
Water Suppliy Facility Kaptažno zanjete	6,4	
Downstream Part of Ada Medica Island Otok Ada Međica – kraj Bežanija Area Območje Bežanija	6,3	
	6,25	Water Suppliy Facility Kaptažno zanjete
	6,0	 

Right Bank Desna obala	km km	Left Bank Leva obala
Underwater Duct Podvodni kabel	5,9	Underwater Duct Podvodni kabel
	5,8	
Underwater Duct Podvodni električni vod	5,3	Underwater Duct Podvodni električni vod
	5,25	Water Supply Facility Kaptažno zajetje
	5,0	Water Supply Facility Kaptažno zajetje
	5,0	
Upstream Part of effluent Čukarički rukavac-gornji kraj	4,9	
	4,55	Water Supply Facility Kaptažno zajetje
Oil Terminal (in effluent) Naftni terminal v Čukaričkem rokavu	4,2	Water Supply Facility Kaptažno zajetje
	4,1	Shipyard (in effluent) Ladjedelnica in delavnica v Bežanijskom rokavu
Topčiderska Reka River Mouth (in effluent) Izliv reke Topčiderska Reka v Čukaričkem rokavu	4,0	

**Right Bank**  
**Desna obala**

**km**  
**km**

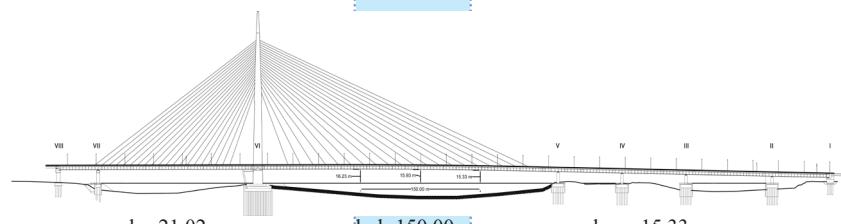
**Left Bank**  
**Leva obala**

Upstream Part  
of Mala Ada  
Ciganlija Otok  
Mala Ada  
Ciganlija – vrh

**4,0**



**3,9**



Belgrade Road Bridge - Ada Ciganlija

**3,9**

Cestni most Beograd-Ada Ciganlija

Downstream Part of  
Velika Ada Ciganlija  
Otok Velika Ada  
Ciganlija – konec  
Downstream Part  
of Čukarica effluent  
Čukarički rukavac -  
Spodnji konec



**3,8**



Mala Ada Ciganlija Island  
Otok Mala Ada Ciganlija

**3,7**



Water Supply Facility  
Kaptažno zajetje



**3,6**



Water Supply Facility  
Kaptažno zajetje



**3,2**



**3,1**

Downstream Part of  
Mala Ada Ciganlija Island  
Entry of Effluent  
Mala Ada Ciganlija/  
Kraj-vhod v Bežanijski  
rokavec

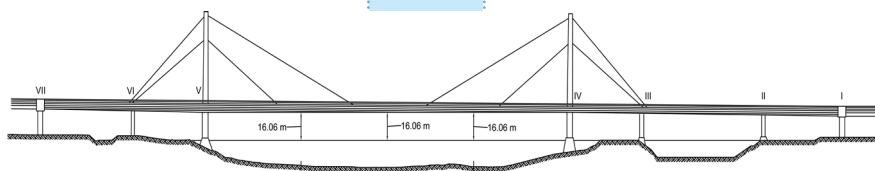
**3,0**



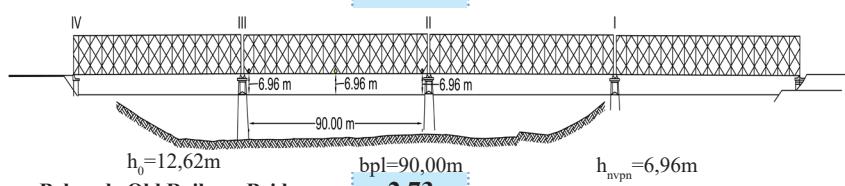
**Right Bank**  
**Desna obala**

**km**  
**km**

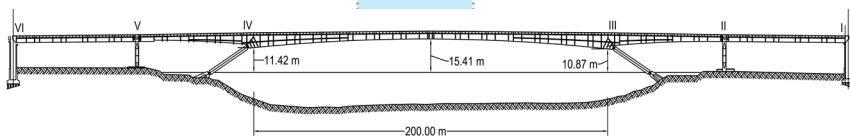
**Left Bank**  
**Leva obala**



$h_{\text{nvpn}} = 16.06 \text{ m}$   
Novi železnički most Beograd



$h_{\text{nvpn}} = 6.96 \text{ m}$   
Stari železnički most Beograd



$h_{\text{nvpn}} = 10.87 \text{ m}$   
Cestni most Beograd-Gazela

Belgrade Railway Station  
Železnička postaja  
Beograd



**2,3**

**2,0**

**1,7**

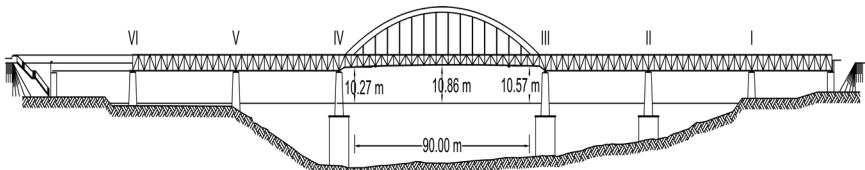


Water Supply Facility  
Kaptažno zanjete

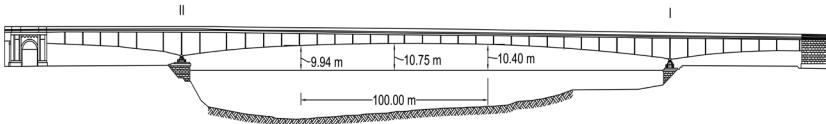
**km**

Water Supply Facility  
Kaptažno zanjete

Water Supply Facility  
Kaptažno zanjete



$h_{\text{nvpn}} = 10.27 \text{ m}$   
Cestno-tramvajski most Beograd

Right Bank Desna obala		km km	Left Bank Leva obala
Police Terminal Pristanišče rečne policije	 	1,1	
			
$h_0 = 15,55\text{m}$ Belgrade Road Bridge Brankov Bridge	bpl=100,00m 	1,0	$h_{\text{vypn}} = 9,94\text{m}$ Cestni most Beograd Brankov most
Beograd Gauge Merilno mesto Beograd (68,28 m)		0,9	
		0,82	
		0,8	 Water Supply Facility Kaptažno zajetje
	 	0,7	
	 	0,7	
	 		
Border Crossing Mejni prehod Pasenger Terminal Potniško pristanišče Port Master Office Kapitanija	    	0,7	
Terminal Savsko pristanište – vertikalni kej		0,5	 Water Supply Facility Kaptažno zajetje
		0,4	

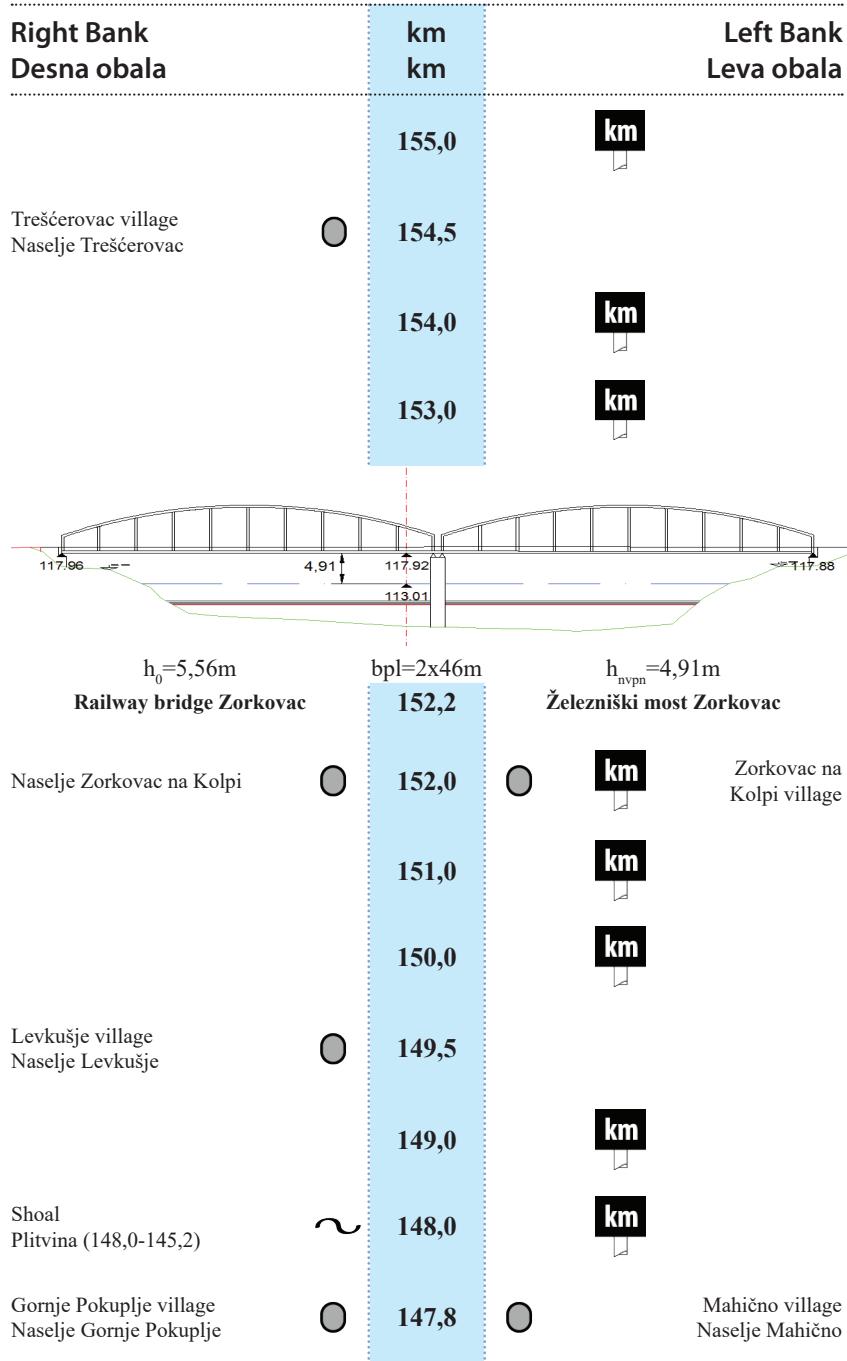
Right Bank Desna obala	km km	Left Bank Leva obala
	0,2	 
    	0,0	 
   		 Sava Mouth Izliv reke Sava

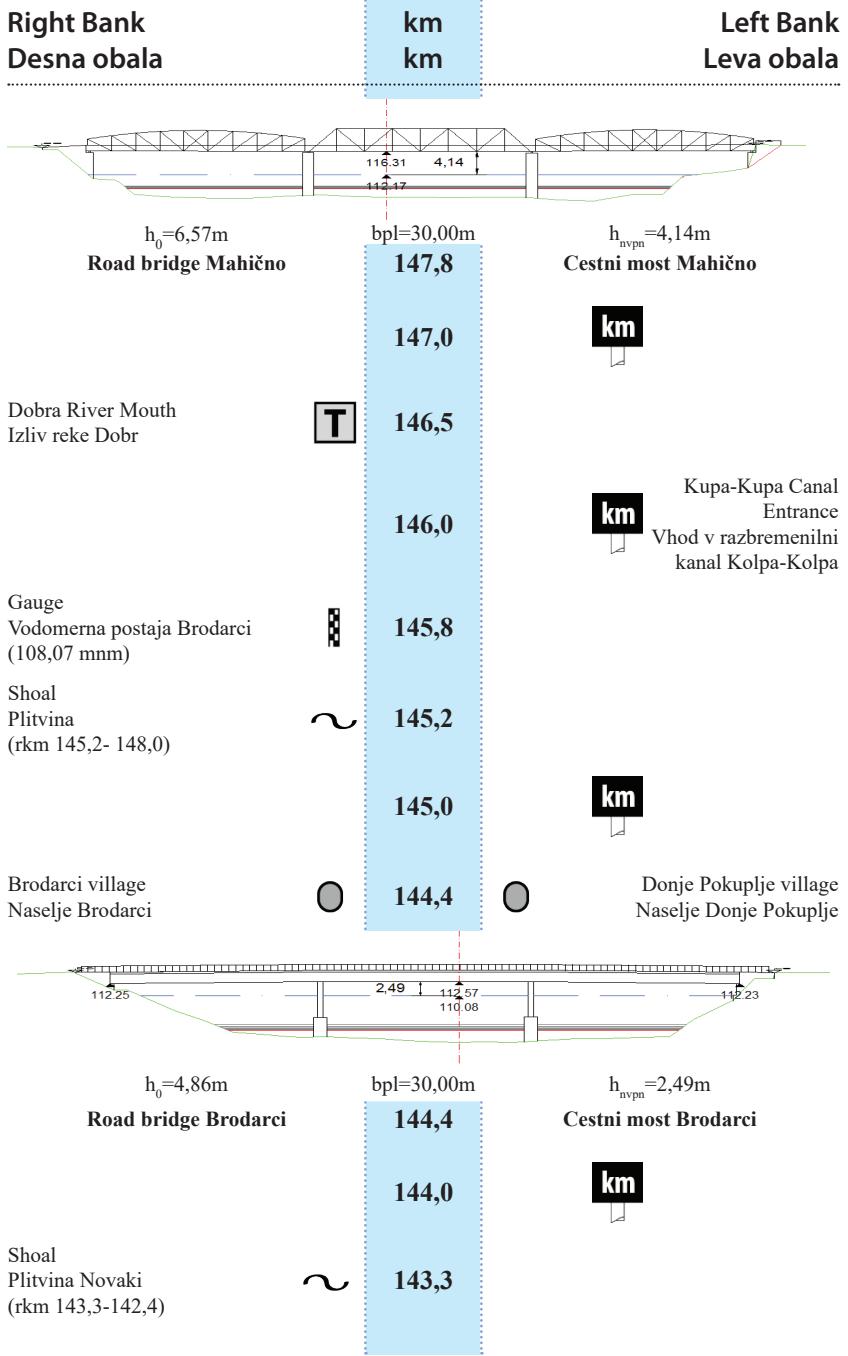


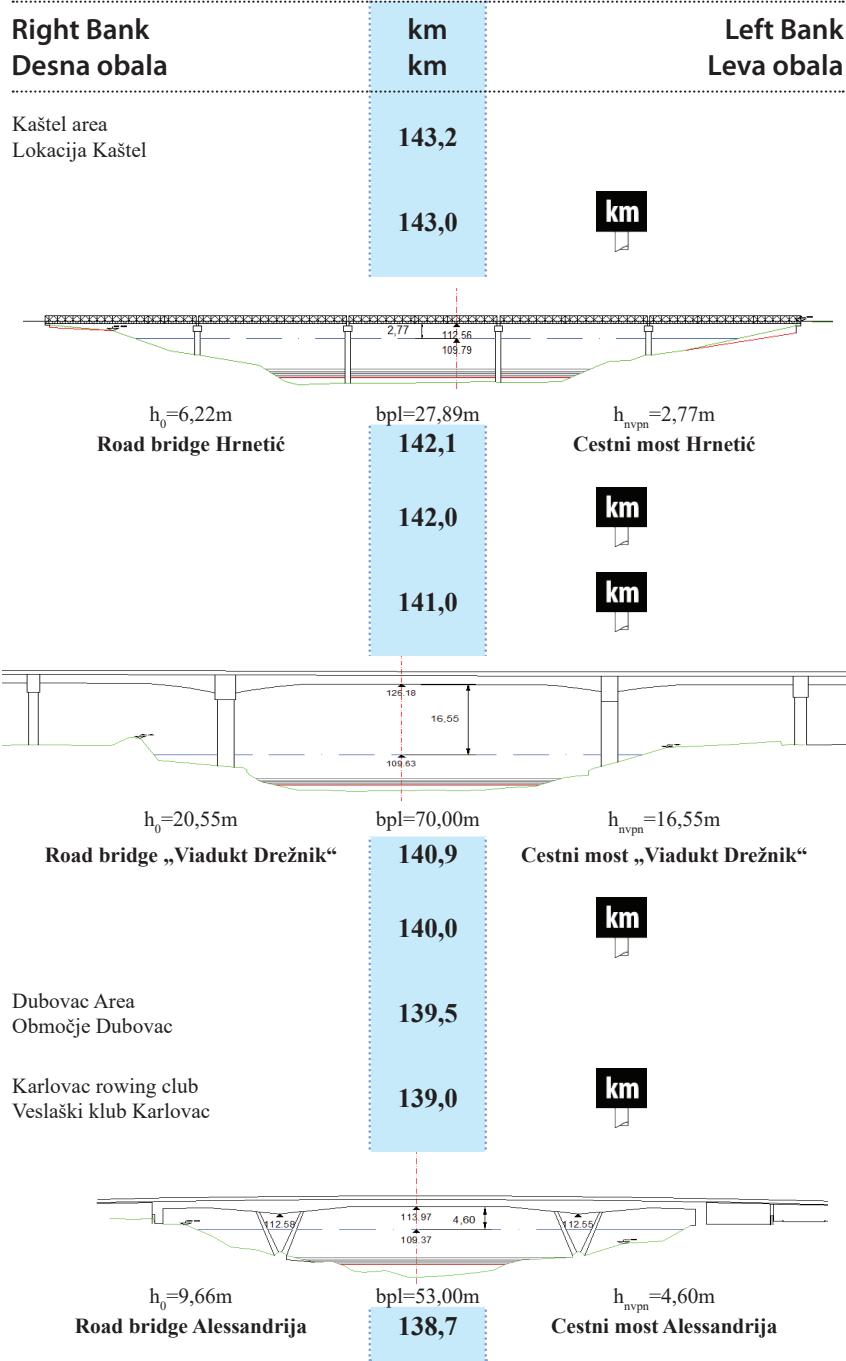
**V**  
**KUPA RIVER**  
**REKA KUPA**

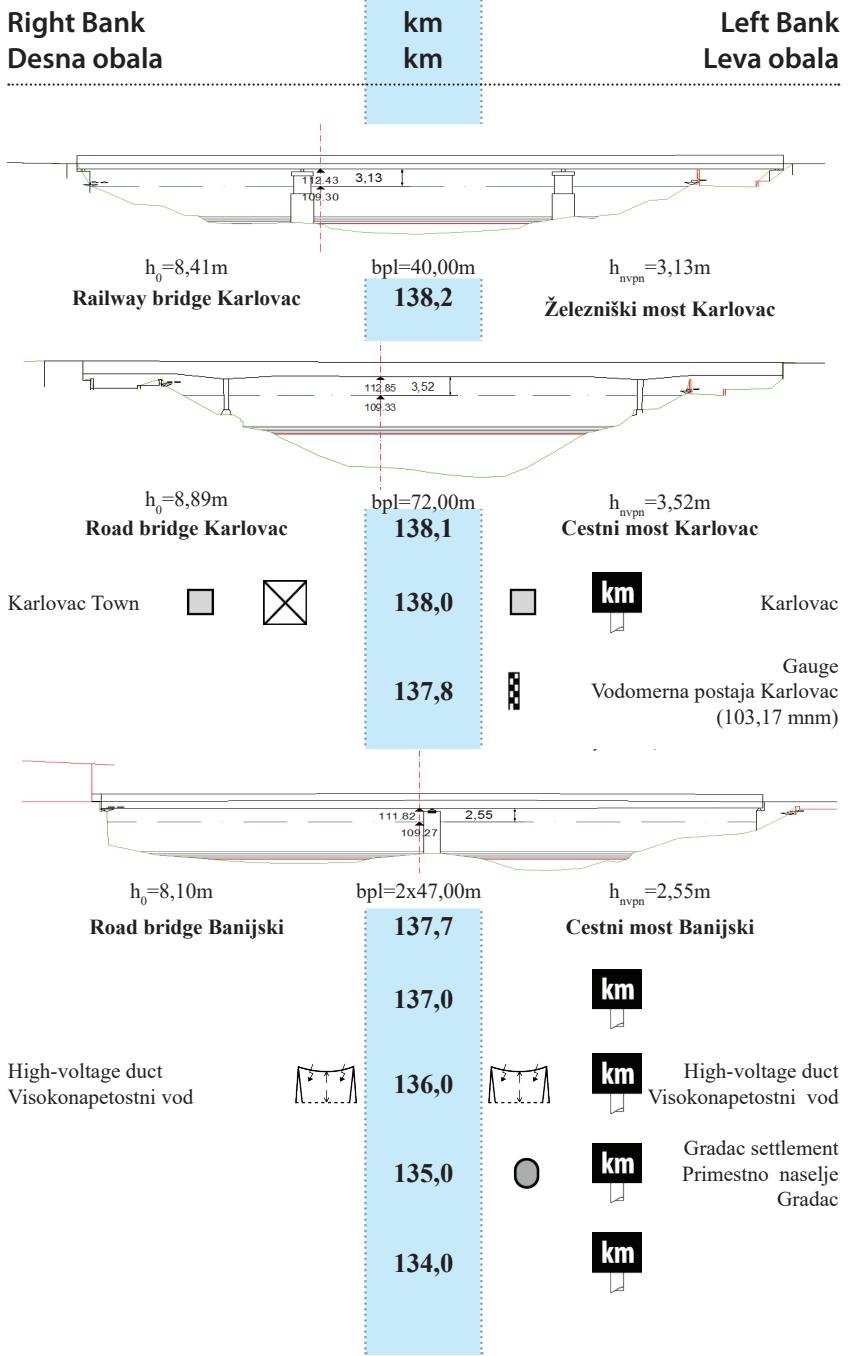


Right Bank Desna obala	km km	Left Bank Leva obala
Brana hidroelektrane Ozalj	162,6	Ozalj hydropowerplant
	162,0	Zajačko Selo village Naselje Zajačko selo
	161,0	
Trg Island and Shoal Otok in plitvina Trg (rkm 160,4-160,0)	160,4	
Trg village (upstream part) Naselje Trg (gorvodni del)	160,3	
	160,0	
	159,5	Podbrežje village Naselje Podbrežje
	159,0	
	158,0	
Trg village (downstream part) Naselje Trg (dolvodni del)	157,8	Mirkopolje village Naselje Mirkopolje
	157,1	
	157,0	
	156,0	
Polje Ozaljsko village Naselje Polje Ozaljsko	155,5	

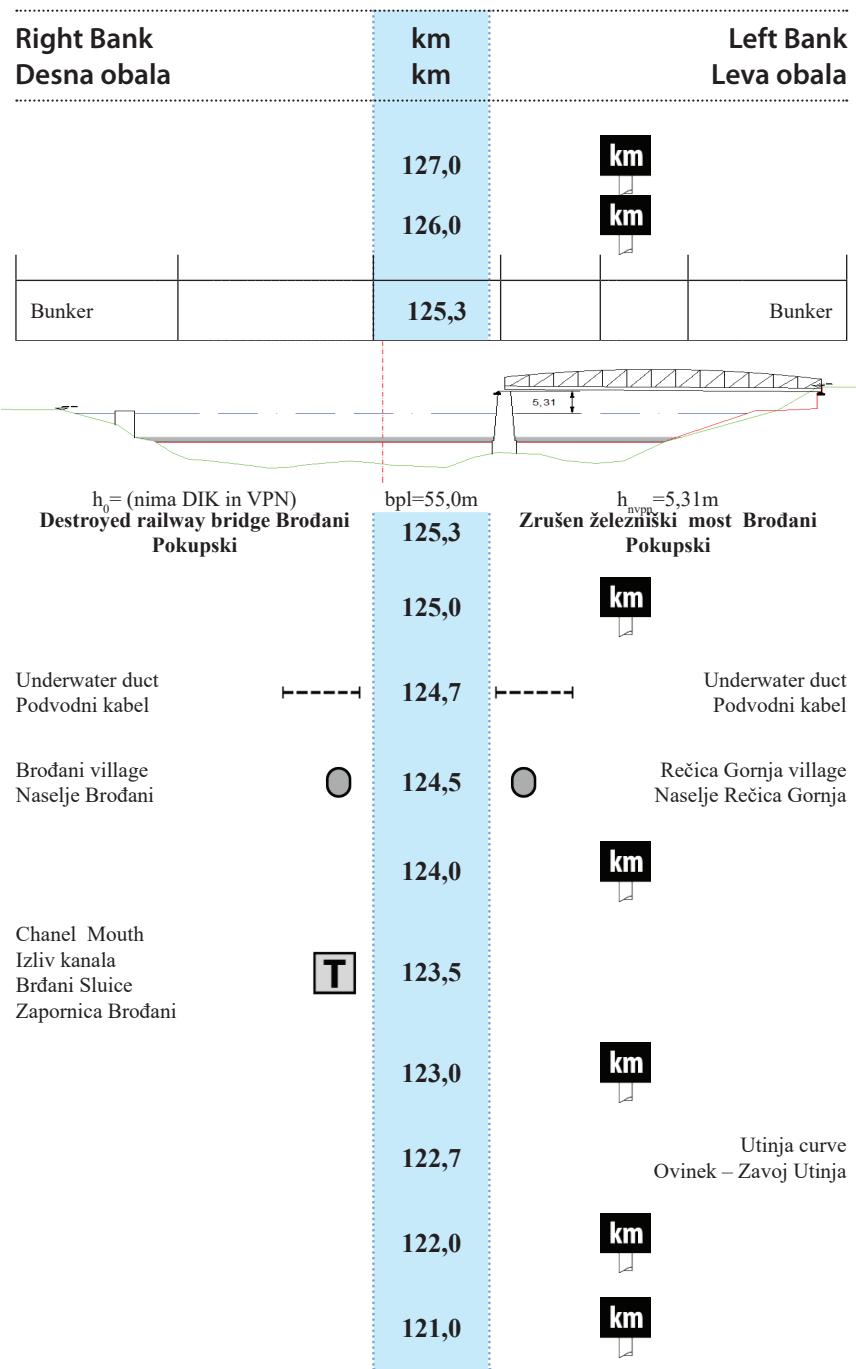








<b>Right Bank Desna obala</b>	<b>km km</b>	<b>Left Bank Leva obala</b>
Korana River Mouth Izliv reke Korana	133,6	Vodostaja settlement Naselje Vodostaja
	133,2	
	133,0	
	132,0	
Water treatment plant Čistilna naprava	131,8	
	131,5	Donje Mekušje village Naselje Donje Mekušje
	131,0	
	130,2	Husje village Naselje Husje
	130,0	
Ex Ferry berthing place Rampa	129,6	Ex Ferry berthing place Rampa
	129,4	
	129,0	
High-voltage duct Visokonapetostni vod	128,5	High-voltage duct Visokonapetostni vod
	128,0	
	127,6	
		Kobilić Pokupski village Naselje Kobilić Pokupski

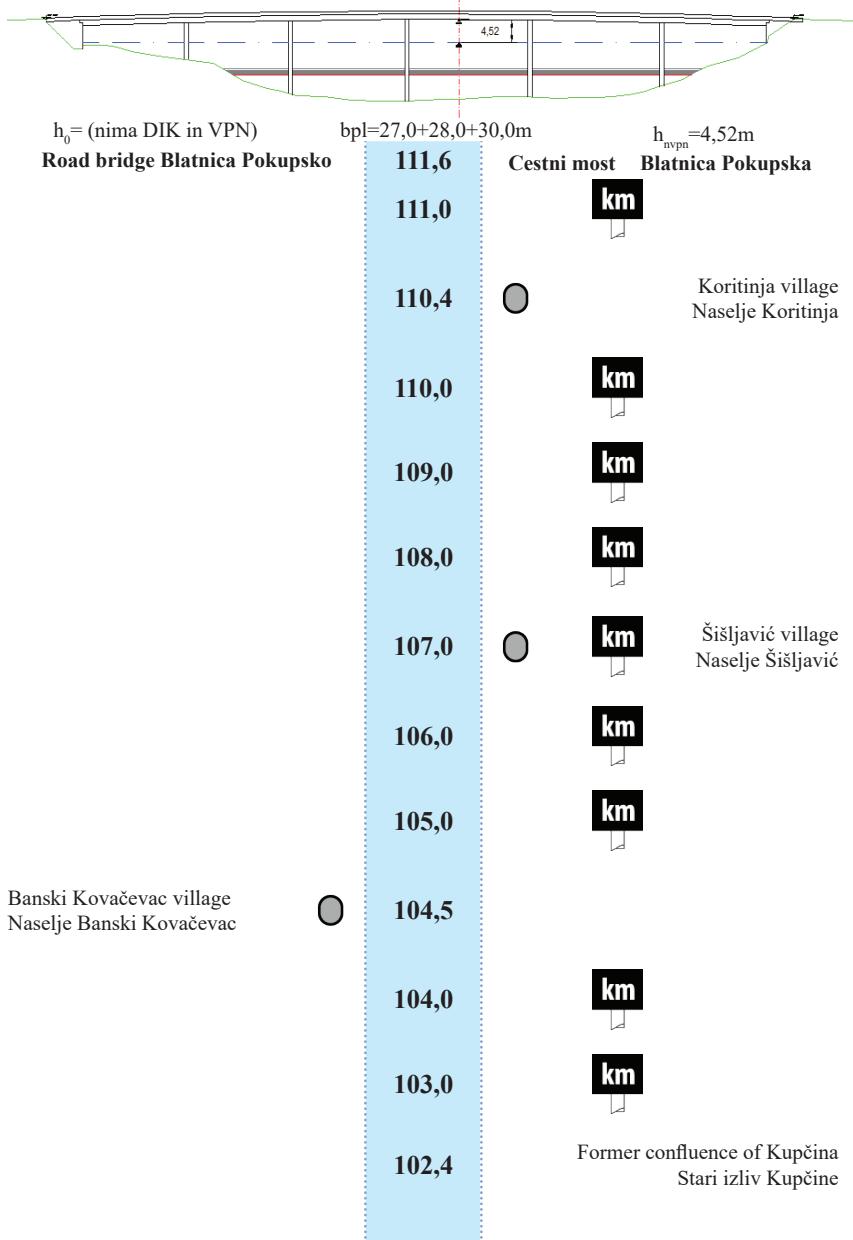


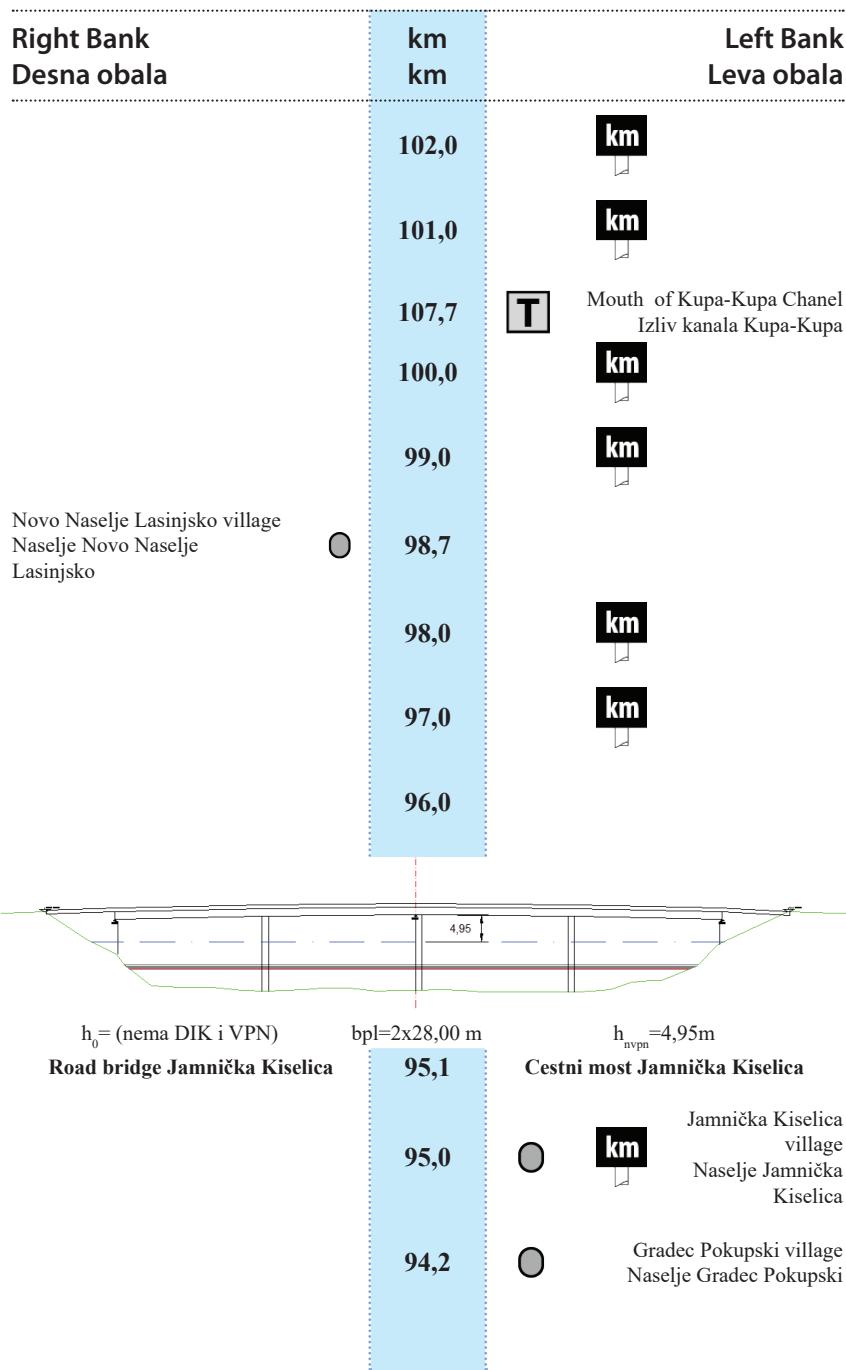
<b>Right Bank</b> <b>Desna obala</b>	<b>km</b> <b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
	120,0	<b>km</b>
Curve Ovinek – Zavoj	119,5	● <b>km</b> Rečica Donja village Naselje Rečica Donja
	119,0	<b>km</b>
	118,0	<b>km</b>
Curve Ovinek – Zavoj	117,4	● Pristanišče Pokupska village Naselje Pristanišče Pokupska
	117,0	<b>km</b>
	116,0	<b>km</b>
	115,0	<b>km</b>
	114,5	● Zamršje village Naselje Zamršje
	114,0	<b>km</b>
	113,0	<b>km</b>
Slunjska Selnica village Naselje Slunjska Selnica	112,7	●
	112,0	<b>km</b>
Banska Selnica village Naselje Banska Selnica	111,6	● Blatnica Pokupska village Naselje Blatnica Pokupska

**Right Bank**  
**Desna obala**

**km**  
**km**

**Left Bank**  
**Leva obala**





Right Bank Desna obala	km km	Left Bank Leva obala
	94,0	
Shoal Plitvina (rkm 93,4-90,0)	93,4	
	93,0	
Lasinja village Naselje Lasinja	 92,0	
Desno Sredičko village Naselje Desno Sredičko	 91,0	 Lijevo Sredičko village Naselje Lijevo Sredičko
Island Otok Sredičko (rkm 90,6-90,0)	 90,6	
Shoal Plitvina (rkm 90,0-93,4)	90,0	
	89,0	
	88,0	
Desni Štefanki village Naselje Desni Štefanki	 87,0	 Lijevi Štefanki village Naselje Lijevi Štefanki
	86,0	
	85,0	
	84,0	
Shoal (upstream) Plitvina Aguštanovec (gornji)	 83,2	

Right Bank Desna obala	km km	Left Bank Leva obala
	83,0	
	82,0	
Shoal (downstream) Plitvina Aguštanovec (dolnji)	81,9	
Shoal Plitvina Degoj (rkm 81,1-78,8)	81,6	Aguštanovec village Naselje Aguštanovec
	81,1	
	81,0	
	80,0	 Erected sign Postavljen znak
	79,2	Lijevi Degoj village Naselje Lijevi Degoj
	79,0	
Shoal Plitvina Degoj (rkm 78,8-81,1)	78,8	
	78,0	
	77,0	
	76,3	Pokupsko village Naselje Pokupsko Recreation center Rekreacijski center
	76,0	

Right Bank Desna obala	km km	Left Bank Leva obala
High-voltage duct Visokonapetostni vod	75,7	High-voltage duct Visokonapetostni vod
	6,78	
$h_0 = (\text{nema DIK i VPN})$ Road bridge Pokupsko	bpl=36,00 m <b>75,2</b>	$h_{\text{vpn}} = 5,78 \text{m}$ Cestni most Pokupsko
	<b>75,0</b>	Erected sign Postavljen znak
	<b>74,4</b>	Pokupski Gladovec village Naselje Pokupski Gladovec
	<b>74,0</b>	
	<b>73,0</b>	
	<b>72,0</b>	
	<b>71,0</b>	
	<b>70,0</b>	Erected sign Postavljen znak
	<b>69,0</b>	
	<b>68,0</b>	
	<b>67,0</b>	
	<b>66,9</b>	Šišinec village Naselje Šišinec Gauge Vodomerna postaja (94,81mm)

Right Bank Desna obala	km km	Left Bank Leva obala
	66,0	
High-voltage duct Visokonapetostni vod		High-voltage duct Visokonapetostni vod
Erected sign Postavljen znak Stankovac village Naselje Stankovac		65,5
	65,0	
	64,0	
	63,0	
	62,0	
Glina Mouth Izliv Gline		61,7
High-voltage duct Visokonapetostni vod		61,0
	61,0	
	60,3	High-voltage duct Visokonapetostni vod
	60,0	
	59,0	Brkiševina village Naselje Brkiševina
	58,0	
	57,0	
	56,0	
		Pokupsko Vratečko village Naselje Pokupsko Vratečko

Right Bank Desna obala	km km	Left Bank Leva obala
High-voltage duct Visokonapetostni vod	55,7	High-voltage duct Visokonapetostni vod
Erected sign Postavljen znak	55,0	
	54,0	
Island Otok	53,9	
	53,0	
	52,0	
	51,5	Curve Ovinek – Zavoj Farkašić
Novi Farkašić village Naselje Novi Farkašić	51,1	
	51,0	
Island Otok Shoal Plitvina	50,5	
Curve Ovinek – Zavoj Farkašić	50,0	Erected sign Postavljen znak
	49,5	
	49,0	
	48,8	Gauge Vodomerna postaja Farkašić (93,82 mm)

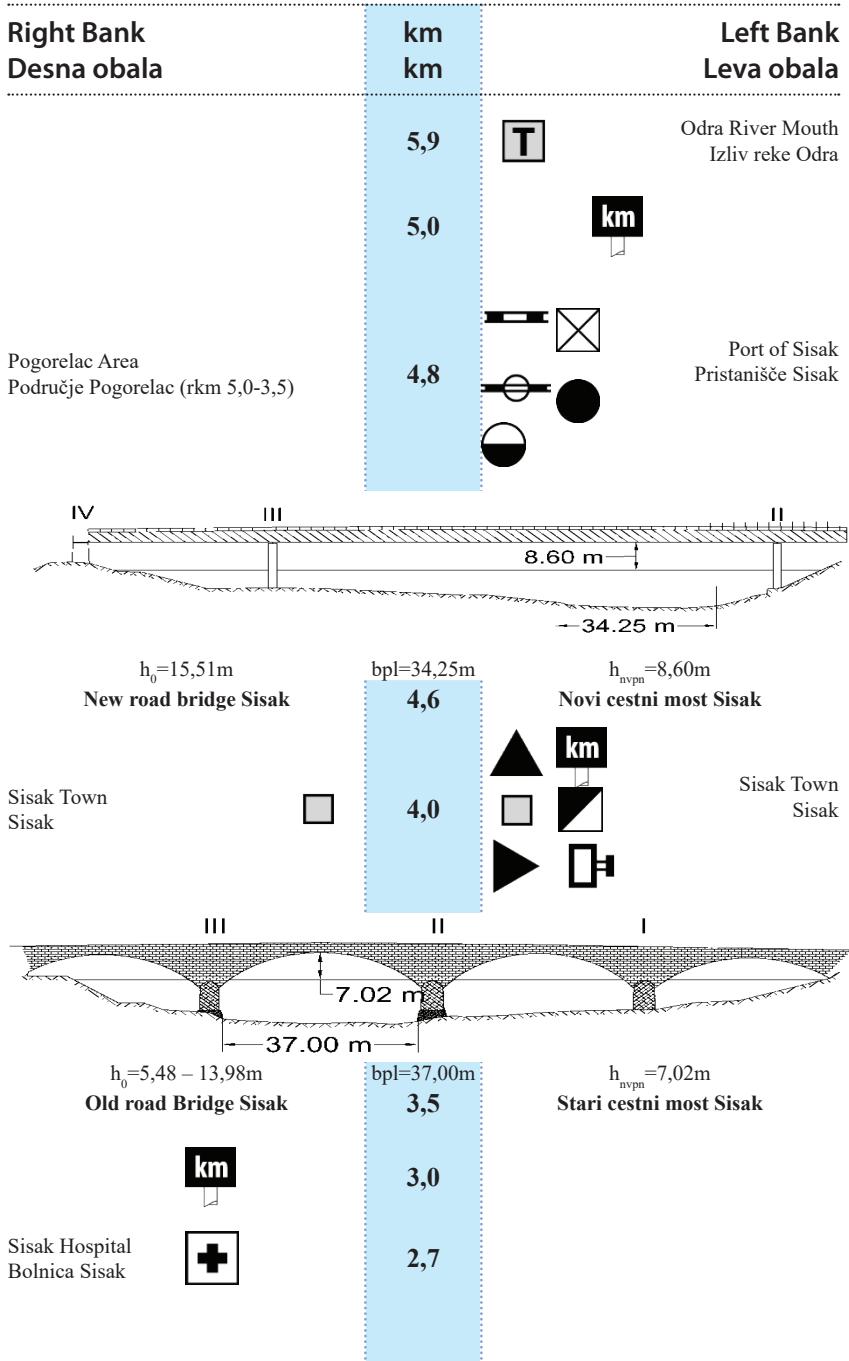
Right Bank Desna obala	km km	Left Bank Leva obala
	48,0	<b>km</b>
	47,7	○ Stari Brod village Naselje Stari Brod
	47,0	<b>km</b>
	46,5	○ Stari Brod cottage settlement Vikend naselje Stari Brod
	46,0	<b>km</b>
	45,0	<b>km</b> Erected sign Postavljen znak
	44,0	<b>km</b>
Nebojan village Naselje Nebojan	43,5	○
Shoal Plitvina Nebojan (rkm 43,3-42,7)	43,3	~
	43,0	<b>km</b>
	42,2	○ Letovanić village Naselje Letovanić
	42,0	<b>km</b>
Shoal Plitvina	41,4	~
	41,0	<b>km</b>

Right Bank Desna obala	km km	Left Bank Leva obala
Erected sign Postavljen znak	40,0	
	39,0	
Curve Zavoj Žažinski Bok	38,8	
	38,5	
	38,0	
	37,0	
	36,0	
Curve Ovinek – Zavoj Gorički Bok	35,7	
	35,0	
	34,0	
	33,0	
Shoal Plitvina Zdenci (km 32,7-32,0)	32,7	
	32,0	
Nebojan-Dumače village Naselje Nebojan-Dumače	31,5	
	31,0	

Right Bank Desna obala	km km	Left Bank Leva obala
Erected sign Postavljen znak	<b>km</b>	<b>30,0</b>
		Mokrički Lug area Področje Mokrički Lug
	<b>29,3</b>	Whirlpool Mokrički vrtinec
	<b>29,0</b>	<b>km</b>
	<b>28,0</b>	<b>km</b>
	<b>27,0</b>	<b>km</b>
Novo Selište village Naselje Novo Selište	<b>26,5</b>	
	<b>26,0</b>	<b>km</b>
	<b>25,0</b>	Erected sign Postavljen znak Brest Pokupski village Naselje Brest Pokupski
		<b>km</b>
	$h_0 = 10,65\text{m}$ <b>Road bridge Petrinja</b>	$h_{\text{nvpn}} = 3,28\text{m}$ <b>Cestni most Petrinja</b>
Petrinja beach Kopališče Petrinja	<b>24,6</b>	<b>km</b>
	<b>24,0</b>	
	<b>23,8</b>	

<b>Right Bank</b> <b>Desna obala</b>	<b>km</b>	<b>Left Bank</b> <b>Leva obala</b>
Petrinjica River mouth Izliv reke Petrinjcica Petrinja Town Petrinja	23,7	
	23,0	
	22,0	
	21,0	
	20,5	Vurot village Naselje Vurot
	20,0	Erected sign Postavljen znak
High-voltage duct Visokonapetostni vod	19,6	High-voltage duct Visokonapetostni vod
	19,0	
Shoal Plitvina Drenčina (rkm 18,0 - 16,3)	18,0	
	17,0	Stara Drenčina village Naselje Stara Drenčina
	16,0	
Erected sign Postavljen znak	15,0	
	14,0	

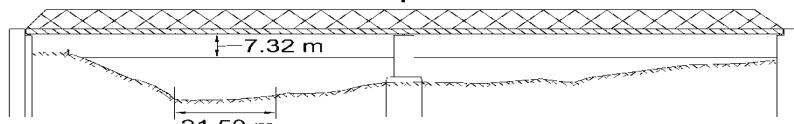
Right Bank Desna obala	km km	Left Bank Leva obala
Shoal Plitvina Mošćenica (rkm 12,8 - 11,1)	13,0	
High-voltage duct Visokonapetostni vod	12,8	
Mošćenica village Naselje Mošćenica	12,0	
High-voltage duct Visokonapetostni vod	11,8	
Shoal Plitvina Mošćenica (rkm 11,1-12,8)	11,1	
Water intake Vodozahvat	11,0	
High-voltage duct Visokonapetostni vod	10,1	
Erected sign Postavljen znak	10,0	
Zibel Beach Kopališče Zibel	9,0	
	8,1	
	8,0	
	7,0	
	6,0	



**Right Bank**  
**Desna obala**

**km**  
**km**

**Left Bank**  
**Leva obala**



$h_0=14,11\text{m}$   
Railway bridge Sisak

$b_{pl}=21,50\text{m}$   
**2,0**

$h_{\text{vpn}}=7,32\text{m}$   
Železniški most Sisak

**km**

**2,0**

Sisak Old Town  
Starigrad

**km**

**1,5**

Oill refinery  
Rafinerija nafta

**1,0**

Kupa River Mouth  
Izliv reke Kupa

**0,5**

**T**

**T**

Kupa River Mouth  
Izliv reke Kupa

**0,0**

## **VI**

# **DISTANCES BETWEEN LARGE CITIES ODDALJENOSTI MED VEČJIMI MESTI**





