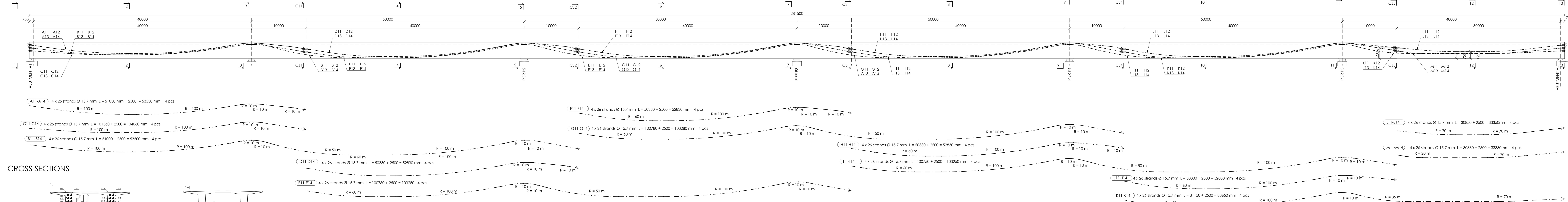
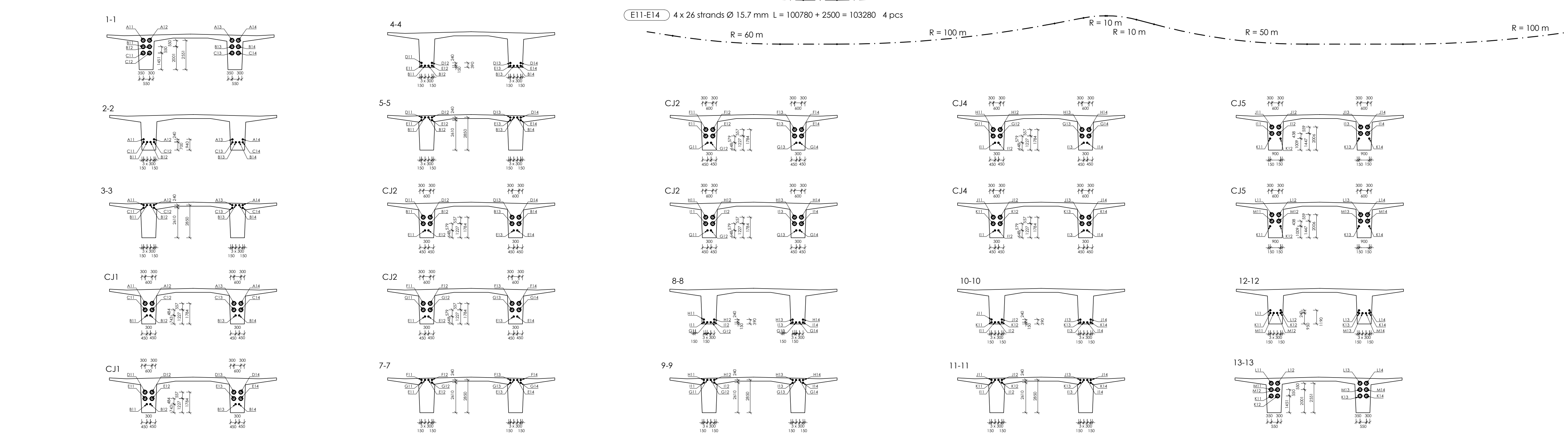


LONGITUDINAL SECTION

1:200



CROSS SECTIONS



ITEM	NUMBER OF STRANDS [pcs]	TENDON AREA [mm ²]	ANCHORING STRESS [MPa]	HOLDING TIME [min]	TOTAL LENGTH [m]	ELONGATION DURING PRESTRESSING [mm]	ORDER OF PRESTRESSING	POSITION OF PRESTRESSING	WEIGHT [t/m]	TOTAL WEIGHT [t]
A11	26	3900	1473	5	53.53	385.6	7	CJ1	0.031	1.639
A12	26	3900	1473	5	53.53	385.6	5	CJ1	0.031	1.639
A13	26	3900	1473	5	53.53	385.6	6	CJ1	0.031	1.639
A14	26	3900	1473	5	53.53	385.6	8	CJ1	0.031	1.639
B11	26	3900	1473	5	104.06	749.6	7	CJ2	0.031	3.186
B12	26	3900	1473	5	104.06	749.6	5	CJ2	0.031	3.186
B13	26	3900	1473	5	104.06	749.6	6	CJ2	0.031	3.186
B14	26	3900	1473	5	104.06	749.6	8	CJ2	0.031	3.186
C11	26	3900	1473	5	53.5	385.4	3	CJ1	0.031	1.638
C12	26	3900	1473	5	53.5	385.4	1	CJ1	0.031	1.638
C13	26	3900	1473	5	53.5	385.4	2	CJ1	0.031	1.638
C14	26	3900	1473	5	53.5	385.4	4	CJ1	0.031	1.638
D11	26	3900	1473	5	52.83	380.6	3	CJ2	0.031	1.617
D12	26	3900	1473	5	52.83	380.6	1	CJ2	0.031	1.617
D13	26	3900	1473	5	52.83	380.6	2	CJ2	0.031	1.617
D14	26	3900	1473	5	52.83	380.6	4	CJ2	0.031	1.617
E11	26	3900	1473	5	103.28	744.0	7	CJ3	0.031	3.162
E12	26	3900	1473	5	103.28	744.0	5	CJ3	0.031	3.162
E13	26	3900	1473	5	103.28	744.0	6	CJ3	0.031	3.162
E14	26	3900	1473	5	103.28	744.0	8	CJ3	0.031	3.162
F11	26	3900	1473	5	52.83	380.6	3	CJ3	0.031	1.617
F12	26	3900	1473	5	52.83	380.6	1	CJ3	0.031	1.617
F13	26	3900	1473	5	52.83	380.6	2	CJ3	0.031	1.617
F14	26	3900	1473	5	52.83	380.6	4	CJ3	0.031	1.617
G11	26	3900	1473	5	103.28	744.0	7	CJ4	0.031	3.162
G12	26	3900	1473	5	103.28	744.0	5	CJ4	0.031	3.162
G13	26	3900	1473	5	103.28	744.0	6	CJ4	0.031	3.162
G14	26	3900	1473	5	103.28	744.0	8	CJ4	0.031	3.162

ITEM	NUMBER OF STRANDS [pcs]	TENDON AREA [mm ²]	ANCHORING STRESS [MPa]	HOLDING TIME [min]	TOTAL LENGTH [m]	ELONGATION DURING PRESTRESSING [mm]	ORDER OF PRESTRESSING	POSITION OF PRESTRESSING	WEIGHT [t/m]	TOTAL WEIGHT [t]
H11	26	3900	1473	5	52.83	380.6	3	CJ4	0.031	1.617
H12	26	3900	1473	5	52.83	380.6	1	CJ4	0.031	1.617
H13	26	3900	1473	5	52.83	380.6	2	CJ4	0.031	1.617
H14	26	3900	1473	5	52.83	380.6	4	CJ4	0.031	1.617
I11	26	3900	1473	5	103.25	743.8	7	CJ5	0.031	3.161
I12	26	3900	1473	5	103.25	743.8	5	CJ5	0.031	3.161
I13	26	3900	1473	5	103.25	743.8	6	CJ5	0.031	3.161
I14	26	3900	1473	5	103.25	743.8	8	CJ5	0.031	3.161
J11	26	3900	1473	5	52.8	380.3	3	CJ5	0.031	1.616
J12	26	3900	1473	5	52.8	380.3	1	CJ5	0.031	1.616
J13	26	3900	1473	5	52.8	380.3	2	CJ5	0.031	1.616
J14	26	3900	1473	5	52.8	380.3	4	CJ5	0.031	1.616
K11	26	3900	1473	5	83.65	602.6	7	A2	0.031	2.561
K12	26	3900	1473	5	83.65	602.6	11	A2	0.031	2.561
K13	26	3900	1473	5	83.65	602.6	12	A2	0.031	2.561
K14	26	3900	1473	5	83.65	602.6	8	A2	0.031	2.561
L11	26	3900	1473	5	33.35	240.2	9	A2	0.031	1.021
L12	26	3900	1473	5	33.35	240.2	5	A2	0.031	1.021
L13	26	3900	1473	5	33.35	240.2	6	A2	0.031	1.021
L14	26	3900	1473	5	33.35	240.2	4	A2	0.031	1.021
M11	26	3900	1473	5	33.33	240.1	4	A2	0.031	1.020
M12	26	3900	1473	5	33.33	240.1	1	A2	0.031	1.020
M13	26	3900	1473	5	33.33	240.1	2	A2	0.031	1.020
M14	26	3900	1473	5	33.33	240.1	3	A2	0.031	1.020
Total					3530.08					108.073

MATERIALS	
CONCRETE	C40/50 XS1/XD1/XC4
CONCRETE REINFORCING	B500B
PRESTRESSING TENDONS	TENDONS OF Ø15.7 mm Y1860S7, RELAXATION CLASS 2
TENDONS	26 STRANDS
PRESTRESSING SYSTEM	VSL
DUCTS	PLASTIC DUCTS OF Ø 120 MM

CZECH TECHNICAL UNIVERSITY IN PRAGUE FACULTY OF CIVIL ENGINEERING			
BRANCH OF STUDY	DEPARTMENT	STUDENT NAME	
K	K133	Bc. Magdaléna Kábelová	
YEAR OF STUDY	SUBJECT	THESIS SUPERVISOR	
2	DPM	doc. Ing. Roman Šafář, Ph.D.	
PROJECT:	DIPLOMA THESIS	FORMAT	
	DESIGN OF PRESTRESSED CONCRETE ROAD VIADUCT	SCALE	1:200
	CLOSE TO LISBON	DATE	12/2021
CONTENT:	PRESTRESSING REINFORCEMENT - LONGITUDINAL SECT.	ATTACHMENT N.	6