

Table Three

EU RAILWAY INFRASTRUCTURE ACCESS CHARGES (EUROS) IN 2007-2009 BASED ON WEBSITE INFORMATION

In EICIS Model?	Local to Euros	Green if EICIS, yellow if not	Country	Line category (if distinguished)	Reservation Charges				Train Running Charges									
					Passenger			Freight	Passenger									
					Regional/Local	Intercity	High Speed		Regional, Local, Suburban				Intercity					
Per train path-km	Per train path-km	Per train path-km	Per train path-km	Per Gross tonne-Km	Per train-km	Per train	Per major stop*	Per minor stop*	Per Gross tonne-Km	Per train-km	Per train	Per major stop*	Per minor stop*	Per Gross tonne-Km				
X	1		Austria	Brenner					0.0011	2.8680		6.6600	1.3800	0.0011	2.8680		6.6600	1.3800
				Branch Lines					0.0011	0.9450		3.5800	0.8200	0.0011	0.9450		3.5800	0.8200
				Other International Lines					0.0011	1.6490		6.6600	1.3800	0.0011	1.6490		6.6600	1.3800
				Other main lines					0.0011	1.2390		6.6600	2.0500	0.0011	1.2390		6.6600	2.0500
				Westbahn					0.0011	2.3740		6.6600	1.3800	0.0011	2.3740		6.6600	1.3800
X	1		Belgium	All						2.6067		-	-		6.7015		-	-
	1.9594		Bulgaria	Category I	0.1939	1.4836		2.4635	0.0011	0.5320		-	-	0.0023	1.0639		-	-
				Category II	0.0969	0.3878		2.4635	0.0006	0.2739		-	-	0.0023	1.0639		-	-
X	7.2512		Croatia	Class 1						0.0645		-	-		0.1504		-	-
				Class 2						0.0475		-	-		0.1108		-	-
				Class 3						0.0170		-	-		0.0396		-	-
				Class 4						0.0237		-	-		0.0554		-	-
				Class 5						0.0204		-	-		0.0475		-	-
				Class 6						0.0305		-	-		0.0712		-	-
X	25.0753		Czech Rep.	European rail system					0.0021	0.3681		-	-	0.0021	0.3681		-	-
				Other national					0.0017	0.3059		-	-	0.0017	0.3059		-	-
				Regional					0.0014	0.2592		-	-	0.0014	0.2592		-	-
X	7.46302		Denmark	National Network						0.2626		-	-		0.2626		-	-
				Storabaelt: per train passage								-	-		816.29		-	-
				Oresund: per train passage								-	-		256.06		-	-
	15.6466		Estonia 2008 RI	All					0.0010			-	-	0.0010			-	-
			Estonia 2008 EVR	All					0.0029			-	-	0.0029			-	-
X	1		Finland	All					0.0013			-	-	0.0013			-	-
X	1		France (3 values refer to off peak, normal and peak times, added number is "access charge")															
				A (hi traffic peri-urb)	[1.887/5.135/14.851]+.015	[1.887/5.135/14.851]+.015	[1.887/5.135/14.851]+.015	[1.887/5.135/14.851]+.015		0.8380		-	-		1.4280		-	-
				B (med traffic peri-urb)	[.765/1.479/3.346]+.01	[.765/1.479/3.346]+.01	[.765/1.479/3.346]+.01	[.765/1.479/3.346]+.01		0.8380		-	-		1.4280		-	-
				C/C' (hi traffic intercity)	[.765/1.765/1.581]+.01	[.765/1.765/1.581]+.015	[.765/1.765/1.581]+.015	[.765/1.765/1.581]+.015		0.8380		-	-		1.4280		-	-
				D/D' (med traffic intercity)	[.010/0.052/0.052]+0.0	[.010/0.052/0.052]+0.0	[.010/0.052/0.052]+0.0	[.010/0.052/0.052]+0.0		0.8380		-	-		1.4280		-	-
				E (all other)	[0.005/0.005]+0.0	[0.005/0.005]+0.0	[0.005/0.005]+0.0	[0.005/0.005]+0.0		0.8380		-	-		1.4280		-	-
				N1 (hi traffic hi speed)				.051		0.8380		-	-		1.4280		-	-
				N2 (med traffic hi speed)				[1.427/5.554/7.950]+1.05		0.8380		-	-		1.4280		-	-
				N3 (lo traffic hi speed)				1		0.8380		-	-		1.4280		-	-
				N4 (East Eur hi speed)				[.908/2.540/4.376]+1.051		0.8380		-	-		1.4280		-	-
X	1		Germany	F+ (long dist)								-	-				-	-
				F1 (long dist)								-	-		7.4160		-	-
				F2 (long dist)								-	-		4.7025		-	-
				F3 (long dist)								-	-		4.1745		-	-
				F4 (long dist)								-	-		3.9930		-	-
				F5 (long dist)								-	-		3.0690		-	-
				F6 (long dist)								-	-		3.5970		-	-
				Z1 (feeder)					4.1019		-	-		4.1019		-	-	
				Z2 (feeder)					4.2471		-	-		4.2471		-	-	
				S1 (urban rapid)					2.6235		-	-		-		-	-	
				S2 (urban rapid)					3.5310		-	-		-		-	-	
				S3 (urban rapid)					4.2405		-	-		-		-	-	
X	251.083		Hungary	Category I					2.3020	19.9137	27.7000	12.9000		2.3140	23.0999	27.7000	12.9000	
				Category II					1.5174		11.5400	5.3800		1.6011		11.5400	5.3800	
				Category III					0.5178		4.6200	2.1500		0.6253		4.6200	2.1500	
X	1		Italy	Source is Caruso and Castor notes					2.4890					2.9020				

	0.702804	Latvia	All							3.9840					3.8844				
	3.4528	Lithuania	All							0.0057	1.2320				0.0057	1.2320			
X	1	Netherlands	All							0.0017	0.4829		5.1180	2.5097	0.0017	0.4829		5.1180	2.5097
X	7.94417	Norway	All																
X	3.41197	Poland (2007/2008)	0 to 40							0.000234	0.615				0.000586	0.62			
			40 to 60							0.000293	0.739				0.001143	0.74			
			60 to 80							0.000293	0.739				0.001143	0.74			
			80 to 100							0.000293	1.032				0.002315	1.03			
			100 to 120							0.000440	1.354				0.003224	1.35			
			>120							0.000440	3.139				0.006008	3.14			
X	1	Portugal	GH1 (suburban)							1.3700						1.3700			
			GH2 (suburban)							1.2000						1.2000			
			GH3 (suburban)							2.1600						2.1600			
			GH4							1.3000						1.3000			
			GH5 (suburban)							1.3700						1.3700			
			GH6 (electrified)							1.3800						1.3800			
			GH7 (electrified, mostly freight)							1.0400						1.0400			
			GH8 (non elect., low density)							1.7600						1.7600			
			Non-electrified, RES block)							1.3100						1.3100			
X	3.56605	Romania	All							2.5238						2.5238			
X	1	Slovenia (prices include 20% VAT)	Main lines (1.0 weight)							2.3400						2.2300			
			Regional lines (0.7 weight)							1.6380						1.5610			
X	32.3566	Slovakia	Category 1							0.0007	1.5063	178.1500			0.0007	1.5063	5.5058		
			Category 2							0.0006	1.4804	178.1500			0.0006	1.4804	5.5058		
			Category 3							0.0005	1.3246	178.1500			0.0005	1.3246	5.5058		
X	1	Spain	A1 Madrid/Barcelona, Cordoba/Malaga, Madrid-Valladolid	.73/1.10/2.18	.73/1.10/2.18	.80/2.29/3.55					0.79000					0.79000			
			A2 Madrid/Sevilla, Tramo LaSagra/Toledo, Zaragoza/Huesca	.68/1.05/2.09	.68/1.05/2.09	.73/2.19/3.45					0.72000					0.72000			
			B1 Corredor Mediterraneo	.11/21/53	.11/21/53				0.3200		0.06000					0.06000			
			C1 Rest of system	.11/21/21	.11/21/21				0.3200		0.06000					0.06000			
X	9.33421	Sweden	All							0.0011	0.0964				0.0011	0.0964			
X	1.61308	Switzerland (SBB)	All							0.0034	0.9175				0.0034	1.0849			
X	0.802793	UK	All	0.11410	0.11410					.6415-.7729						2.2510			

* Note: station stop costs are calculated in accord with the assumptions shown in cells BH9 to BJ10. It is likely that many systems will operate with more stops than assumed.

Polish access charges are not stated in the format shown (they show ranges rather than formulae) These formulae give estimates correct within +/-2% for passengers and +/- 4% for freight (using average freight train weights).

Indicates an unlikely or impossible combination, e.g. freight trains on high speed lines, or freight loads heavier than permitted by the system

Indicates cells with multiple values, for example, for off peak, normal and peak values.

Electric Traction System Access and Use Charges EXCLUDING ENERGY																		
High Speed			Freight			Passenger						Freight						
Per train-km	Per major stop*	Per minor stop*	Per Gross tonne-Km	Per train-km	Per train	Per Gross tonne-Km	Per train-km	Per Gross tonne-Km	Per train-km	Per Gross tonne-Km	Per train-km	Per Gross tonne-Km	Per train-km	REMARKS				
						Regional, Local, Suburban		Intercity		High Speed				Regional, Local, Suburban				
						Per Gross tonne-Km	Per train-km	Per Gross tonne-Km	Per train-km	Per Gross tonne-Km	Per train-km	Per Gross tonne-Km	Per train-km	Reservation	Usage	Station Stops*	Total	Reservation
	6.6600	1.3800	0.0011	2.8680										-	3.1515	0.2436	3.3951	-
	3.5800	0.8200	0.0011	0.9450										-	1.2285	0.3520	1.5805	-
	6.6600	1.3800	0.0011	1.6490										-	1.9325	0.1104	2.0429	-
	6.6600	2.0500	0.0011	1.2390										-	1.5225	0.1640	1.6865	-
	6.6600	1.3800	0.0011	2.3740										-	2.6575	0.1104	2.7679	-
9.0385	-	-		1.9728										-	2.6067	-	2.6067	-
	-	-	0.0021	1.3226			0.2620		0.5240				0.5376	0.1939	0.8412	-	1.0351	1.4836
	-	-	0.0021	1.3226			0.1231		0.5240				0.5376	0.0969	0.4285	-	0.5255	0.3878
	-	-		0.3019										-	0.0000	-	-	-
	-	-		0.2224										-	0.0645	-	0.0645	-
	-	-		0.0794										-	0.0475	-	0.0475	-
	-	-		0.1112										-	0.0170	-	0.0170	-
	-	-		0.0953										-	0.0237	-	0.0237	-
	-	-		0.1430										-	0.0204	-	0.0204	-
	-	-												-	0.0305	-	0.0305	-
	-	-	0.0028	2.1260			0.0002							-	0.9383	-	0.9383	-
	-	-	0.0023	1.9326			0.0001							-	0.7591	-	0.7591	-
	-	-	0.0018	1.7392			0.0001							-	0.6433	-	0.6433	-
	-	-		0.2626										-	0.0000	-	-	-
	-	-			757.20									-	0.2626	-	0.2626	-
	-	-			309.79									-	0.0000	-	-	-
	-	-	0.0010	1.3444										-	0.0000	-	-	-
	-	-	0.0029	3.7861										-	0.2709	-	0.2709	-
	-	-												-	0.7765	-	0.7765	-
	-	-	0.0022									(0.0005)		-	0.3480	-	0.3480	-
1.4280	-	-		0.4590			.517/760		0.6220		0.6220		0.6570	Ranges shown are off peak, normal and peak. See calculation sheet.				
1.4280	-	-		0.4590			.517/760		0.6220		0.6220		0.6570	[1.887/5.135/14.851]+.015	0.8380	.907-2.601	2.740/6.895/18.305	[1.887/5.135/14.851]+.015
1.4280	-	-		0.4590			.517/760		0.6220		0.6220		0.6570	[.765/1.479/3.346]+.01	0.8380	.561-2.162	1.618/2.893/6.361	[.765/1.479/3.346]+.015
1.4280	-	-		0.4590			.517/760		0.6220		0.6220		0.6570	[.765/765/1.581]+.015	0.8380	.561-2.162	1.618/2.179/4.596	[.765/765/1.581]+.015
1.4280	-	-		0.4590			.517/760		0.6220		0.6220		0.6570	[.010/.052/.052]+0.0	0.8380	.561-2.162	.848*/.451/3.052	[.010/.052/.052]+0.0
1.4280	-	-		0.4590					0.6220		0.6220			[0/.005/.005]+0.0	0.8380	.561-1.020	.838/1.404/1.863	[0/.005/.005]+0.0
1.4280	-	-		0.4590					0.6220		0.6220			-	-	-	-	-
1.4280	-	-		0.4590					0.6220		0.6220			-	-	-	-	-
1.4280	-	-		0.4590					0.6220		0.6220			-	-	-	-	-
1.4280	-	-		0.4590					0.6220		0.6220			-	-	-	-	-
14.5620	-	-												-	-	-	-	-
7.4160	-	-		6.798										-	0.0000	-	-	-
	-	-		2.85										-	0.0000	-	-	-
	-	-		2.53										-	0.0000	-	-	-
	-	-		2.42										-	0.0000	-	-	-
	-	-		1.86										-	0.0000	-	-	-
	-	-		2.18										-	0.0000	-	-	-
	-	-		1.243										-	4.1019	-	4.1019	-
	-	-		1.287										-	4.2471	-	4.2471	-
	-	-												-	2.6235	-	2.6235	-
	-	-												-	3.5310	-	3.5310	-
	-	-												-	4.2405	-	4.2405	-
	-	-												-	-	-	-	-
	-	-		2.3379	25.0913		0.5178		0.5178				0.5178	-	2.7003	3.3045	6.0048	-
	-	-		1.4298										-	1.5174	1.4106	2.9281	-
	-	-		0.7926										-	0.5178	0.1720	0.6898	-
	-	-												-	-	-	-	-
3.3200	-	-		2.4080			0.3440		0.3320				0.2950	-	2.4890	-	2.4890	-

	-	-	6.5737		0.0996						Passenger electric traction additive used for suburban	-	3.9840	-	-	3.9840	-	-	-	-
	-	-	0.0047	1.9988								-	-	-	-	-	-	-	-	-
	-	-										-	2.7725	-	-	2.7725	-	-	-	-
	5.1180	2.5097	0.0017	0.4829								-	0.9495	0.4978	-	1.4473	-	-	-	-
	-	-	0.0025									-	-	-	-	-	-	-	-	-
												-	0.0000	-	-	-	-	-	-	-
												-	0.0000	-	-	-	-	-	-	-
			0.001026	2.56	0.1729	0.1729						0.1876								
			0.001026	3.24	0.1905	0.1905						0.2081								
			0.001026	3.96	0.1905	0.1905						0.2374								
			0.001026	5.01	0.2052	0.2052						0.3165								
			0.001026	7.68	0.2672	0.2672						0.3165								
					0.3077	0.3077														
	-	-		1.4400	0.0700	0.0700						0.1100	Shown is the additional cost of electric traction	-	1.3700	-	-	1.3700	-	-
	-	-		1.2200	0.1900	0.1900						0.2000		-	1.2000	-	-	1.2000	-	-
	-	-		2.2200	(0.9700)	(0.9700)						0.1500		-	2.1600	-	-	2.1600	-	-
	-	-		1.3300	0.0500	0.0500						0.0500		-	1.3000	-	-	1.3000	-	-
	-	-		1.4300	0.1300	0.1300						0.1100		-	1.3700	-	-	1.3700	-	-
	-	-		1.4200	0.1700	0.1700						0.1700		-	1.3800	-	-	1.3800	-	-
	-	-		1.1000	0.1800	0.1800						0.1600		-	1.0400	-	-	1.0400	-	-
	-	-		1.8700	-	-						-		-	1.7600	-	-	1.7600	-	-
	-	-		1.5600	-	-						-		-	1.3100	-	-	1.3100	-	-
	-	-		3.9259	-	-						-		-	-	-	-	-	-	-
	-	-										-		-	2.5238	-	-	2.5238	-	-
	-	-		1.115/2.23								-		-	-	-	-	-	-	-
	-	-		.7805/1.561								-		-	-	-	-	-	-	-
	-	-	0.0007	8.8560	44.15081							-		-	2.3400	-	-	2.3400	-	-
	-	-	0.0007	8.8300	44.15081							-		-	1.6380	-	-	1.6380	-	-
	-	-	0.0006	6.0773	44.15081							-		-	-	-	-	-	-	-
	-	-										-		-	5.2587	-	-	5.2587	-	-
	-	-										-		-	5.2117	-	-	5.2117	-	-
	-	-										-		-	5.0349	-	-	5.0349	-	-
	-	-										-		-	-	-	-	-	-	-
.79/91/1.01	-	-				0.0068							Spain has a surcharge for economic value "trafico." Range is .11 to .22. See calculation sheet.	.73/1.10/2.18	0.7900	-	-	0.7900	.73/1.10/2.18	
.72/83/93	-	-				0.0068	0.0024							.68/1.05/2.09	0.7200	-	-	0.7200	.68/1.05/2.09	
	-	-		0.06		0.0068	0.0024							.11/21/53	0.0600	-	-	0.0600	.11/21/53	
	-	-		0.06		0.0068								.11/21/21	0.0600	-	-	0.0600	.11/21/21	
	-	-	0.0003	0.0964										-	-	-	-	-	-	-
	-	-												-	0.4059	-	-	0.4059	-	-
	-	-	0.0025	0.2480		0.0806	0.0806					0.0806	Switzerland charges less for freight intermodal traffic (0.0248). Access charges include a revenue sharing component that is not transparent. This uses the provisions for non-franchise holders.	-	1.8381	-	-	1.8381	-	-
	-	-	.002063 - .003753	0.2294										0.1141	.6415-.7729	-	-	.7556/.887		0.1141

Calculated Access Charges based on Network Statement													
Passenger						Freight							
Intercity			High Speed			960 tons		2000 tons		3000 tons			
Usage	Station Stops*	Total	Reservation	Usage	Station Stops*	Total	Reservation	Usage	Total	Usage	Total	Usage	Total
3.49	0.1011	3.5886	-	-	0.0437	0.0437	-	3.88	3.88	4.97	4.97	6.02	6.02
1.56	0.0563	1.6208	-	-	0.0241	0.0241	-	1.95	1.95	3.05	3.05	4.10	4.10
2.27	0.1011	2.3696	-	-	0.0437	0.0437	-	2.66	2.66	3.75	3.75	4.80	4.80
1.86	0.1179	1.9764	-	-	0.0487	0.0487	-	2.25	2.25	3.34	3.34	4.39	4.39
2.99	0.1011	3.0946	-	-	0.0437	0.0437	-	3.38	3.38	4.47	4.47	5.52	5.52
6.70	-	6.7015	-	9.04	-	9.0385	-	1.97	1.97	1.97	1.97	1.97	1.97
2.42	-	3.8989	-	-	-	-	2.4635	3.36	5.82	5.57	8.03	7.69	10.15
2.42	-	2.8031	-	-	-	-	2.4635	3.36	5.82	5.57	8.03	7.69	10.15
0.15	-	0.1504	-	-	-	-	-	0.30	0.30	0.30	0.30	0.30	0.30
0.11	-	0.1108	-	-	-	-	-	0.22	0.22	0.22	0.22	0.22	0.22
0.04	-	0.0396	-	-	-	-	-	0.08	0.08	0.08	0.08	0.08	0.08
0.06	-	0.0554	-	-	-	-	-	0.11	0.11	0.11	0.11	0.11	0.11
0.05	-	0.0475	-	-	-	-	-	0.10	0.10	0.10	0.10	0.10	0.10
0.07	-	0.0712	-	-	-	-	-	0.14	0.14	0.14	0.14	0.14	0.14
1.61	-	1.6142	-	-	-	-	-	4.83	4.83	7.76	7.76	10.58	10.58
1.30	-	1.2962	-	-	-	-	-	4.19	4.19	6.63	6.63	8.97	8.97
1.10	-	1.0985	-	-	-	-	-	3.43	3.43	5.26	5.26	7.02	7.02
0.26	-	0.2626	-	-	-	-	-	0.26	0.26	0.26	0.26	0.26	0.26
4.08	-	4.0815	-	-	-	-	-	-	-	-	-	-	-
1.28	-	1.2803	-	-	-	-	-	-	-	-	-	-	-
0.59	-	0.5920	-	-	-	-	-	2.31	2.31	3.35	3.35	4.35	4.35
1.70	-	1.6969	-	-	-	-	-	6.55	6.55	9.54	9.54	12.41	12.41
0.76	-	0.7605	-	-	-	-	-	2.14	2.14	4.45	4.45	6.68	6.68
1.43	.317-910	3.330/6.895/17.204	[1.887/5.135/14.851]+0.15	1.43	.113-.325	3.330/6.691/16.619	[1.887/5.135/14.851]+0.15	0.46	2.361/5.609/15.315	0.46	2.361/5.609/15.315	0.46	2.361/5.609/15.315
1.43	.196-.757	2.208/3.118/5.546	[1.765/1.479/3.346]+0.015	1.43	.070-.273	2.208/2.992/5.059	[1.765/1.479/3.346]+0.015	0.46	1.239/1.953/3.820	0.46	1.239/1.953/3.820	0.46	1.239/1.953/3.820
1.43	.196-.757	2.208/2.404/3.781	[1.765/1.765/1.581]+0.015	1.43	.070-.273	2.208/2.278/3.294	[1.765/1.765/1.581]+0.015	0.46	1.354/1.354/2.292	0.46	1.354/1.354/2.292	0.46	1.354/1.354/2.292
1.43	.196-.757	1.438/1.676/2.237	[1.010/0.52/0.52]+0.0	1.43	.070-.273	1.438/1.550/1.75	[1.010/0.52/0.52]+0.0	0.46	471/519/519	0.46	471/519/519	0.46	471/519/519
1.43	.196-.357	1.428/1.629/1.790	[0/0.005/0.005]+0.0	1.43	.070-.273	1.428/1.503/1.561	[0/0.005/0.005]+0.0	0.46	459/464/464	0.46	459/464/464	0.46	459/464/464
			[6.098/12.415/15.137]+1	1.43	.113-.325	8.577/15.007/17.941							
			[1.427/5.554/7.950]+1.0	1.43	.070-.273	3.906/6.103/10.699							
			[1.024/2.842/4.792]+1.0	1.43	.070-.273	3.503/5.391/7.541							
			[1.908/2.540/4.376]+1.05	1.43	.070-.273	3.387/5.089/7.125							
7.42	-	7.4160	-	14.56	-	14.5620	-	6.80	6.80	6.80	6.80	6.80	6.80
4.70	-	4.7025	-	-	-	-	-	2.85	2.85	2.85	2.85	2.85	2.85
4.17	-	4.1745	-	-	-	-	-	2.53	2.53	2.53	2.53	2.53	2.53
3.99	-	3.9930	-	-	-	-	-	2.42	2.42	2.42	2.42	2.42	2.42
3.07	-	3.0690	-	-	-	-	-	1.86	1.86	1.86	1.86	1.86	1.86
3.60	-	3.5970	-	-	-	-	-	2.18	2.18	2.18	2.18	2.18	2.18
4.10	-	4.1019	-	-	-	-	-	1.24	1.24	1.24	1.24	1.24	1.24
4.25	-	4.2471	-	-	-	-	-	1.29	1.29	1.29	1.29	1.29	1.29
2.43	0.5995	3.0290	-	-	-	-	-	2.34	2.34	2.34	2.34	2.34	2.34
1.60	0.2499	1.8510	-	-	-	-	-	1.43	1.43	1.43	1.43	1.43	1.43
0.63	0.1000	0.7252	-	-	-	-	-	0.79	0.79	0.79	0.79	0.79	0.79
2.90	-	2.9020	-	3.32	-	3.3200	-	2.41	2.41				

Max freight fot Italy is 1600 gross tons

	Typical Train Composition					
	Regional/Local	Intercity	High Speed	Freight		
				960	2000	3000
Gross tons	270	590	600			
Avg trip lgh	50	200	400	300	300	300
Main stops	1	2	2			
Minor stops	4	5	3			

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.88	-	3.8844	-	-	-	-	-	6.57	6.57	6.57	6.57	6.57	6.57	6.57
4.60	-	4.5983	-	-	-	-	-	6.50	6.50	11.38	11.38	16.07	16.07	16.07
1.50	0.1139	1.6163	-	-	0.0444	0.0444	-	2.14	2.14	3.94	3.94	5.67	5.67	5.67
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	2.38	2.38	4.96	4.96	7.44	7.44	7.44
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.96	-	0.9613	-	-	-	-	-	3.55	3.55	4.62	4.62	5.64	5.64	5.64
-	-	-	-	-	-	-	-	-	-	5.29	5.29	6.32	6.32	6.32
-	-	-	-	-	-	-	-	-	-	6.01	6.01	7.04	7.04	7.04
-	-	-	-	-	-	-	-	-	-	7.06	7.06	8.09	8.09	8.09
-	-	-	-	-	-	-	-	-	-	9.73	9.73	10.76	10.76	10.76
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.37	-	1.3700	-	-	-	-	-	1.44	1.44	1.44	1.44	1.44	1.44	1.44
1.20	-	1.2000	-	-	-	-	-	1.22	1.22	1.22	1.22	1.22	1.22	1.22
2.16	-	2.1600	-	-	-	-	-	2.22	2.22	2.22	2.22	2.22	2.22	2.22
1.30	-	1.3000	-	-	-	-	-	1.33	1.33	1.33	1.33	1.33	1.33	1.33
1.37	-	1.3700	-	-	-	-	-	1.43	1.43	1.43	1.43	1.43	1.43	1.43
1.38	-	1.3800	-	-	-	-	-	1.42	1.42	1.42	1.42	1.42	1.42	1.42
1.04	-	1.0400	-	-	-	-	-	1.10	1.10	1.10	1.10	1.10	1.10	1.10
1.76	-	1.7600	-	-	-	-	-	1.87	1.87	1.87	1.87	1.87	1.87	1.87
1.31	-	1.3100	-	-	-	-	-	1.56	1.56	1.56	1.56	1.56	1.56	1.56
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.52	-	2.5238	-	-	-	-	-	3.93	3.93	3.93	3.93	3.93	3.93	3.93
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.23	-	2.2300	-	-	-	-	-	1.12	1.12	2.23	2.23	2.23	2.23	2.23
1.56	-	1.5610	-	-	-	-	-	0.78	0.78	1.56	1.56	1.56	1.56	1.56
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.95	-	1.9476	-	-	-	-	-	9.55	9.55	10.31	10.31	11.04	11.04	11.04
1.88	-	1.8757	-	-	-	-	-	9.48	9.48	10.18	10.18	10.86	10.86	10.86
1.67	-	1.6740	-	-	-	-	-	6.63	6.63	7.22	7.22	7.79	7.79	7.79
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.79	-	0.7900	.80/2.29/3.55	.79/ .91/1.01	-	1.59/3.3/4.56								
0.72	-	0.7200	.73/2.19/3.45	.72/ .83/93	-	1.45/3.02/4.38								
0.06	-	0.0600	-	-	-	-	0.3200	0.06	0.38	0.06	0.38	0.06	0.38	0.38
0.06	-	0.0600	-	-	-	-	0.3200	0.06	0.38	0.06	0.38	0.06	0.38	0.38
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.77	-	0.7727	-	-	-	-	-	0.39	0.39	0.72	0.72	1.03	1.03	1.03
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.10	-	3.0966	-	-	-	-	-	2.63	2.63	5.21	5.21	7.69	7.69	7.69
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.25	-	2.3651	-	-	-	-	-	2.21/3.83	2.21/3.83	4.355/7.735	4.355/7.735	6.418/11.488	6.418/11.488	6.418/11.488