

## Reference list of asphalt projects with rubber-modified bitumen in Bavaria

Year	Project	m <sup>2</sup>	Asphalt	Life cycle in years
1993	BAB A 96; AK Memmingen	23.000 m <sup>2</sup>	Whisper-asphalt®	15
1994	BAB A 9; Nürnberg-Lauf	43.000 m <sup>2</sup>	Whisper-asphalt®	15
1994	B 28; Neu-Ulm	10.000 m <sup>2</sup>	Whisper-asphalt®	13
1995	B 28; Neu-Ulm	10.000 m <sup>2</sup>	Whisper-asphalt®	13
1995	BAB A 9; Nürnberg-Lauf	17.000 m <sup>2</sup>	Whisper-asphalt®	14 <sup>1</sup>
1995	BAB A 3; Passau	22.000 m <sup>2</sup>	SAMI, SMA	<sup>5</sup>
1997	BAB A 9; Lauf	22.000 m <sup>2</sup>	Whisper-asphalt®	12 <sup>1</sup>
1998	BAB A 9; Bayreuth-Bindlach	100.000 m <sup>2</sup>	Whisper-asphalt®	12 <sup>2</sup>
1998	BAB A 9; Lauf	30.000 m <sup>2</sup>	Whisper-asphalt®	11 <sup>1</sup>
1998	BAB A 99; München	142.000 m <sup>2</sup>	Whisper-asphalt®	15 / 17
1999	BAB A 99; München	65.000 m <sup>2</sup>	Whisper-asphalt®	16 <sup>3</sup>
2000	B 173; Lichtenfels	74.000 m <sup>2</sup>	Whisper-asphalt®	11 <sup>6</sup>
2002	BAB A3; Aschaffenburg	53.000 m <sup>2</sup>	Whisper-asphalt®	not yet renewed <sup>3</sup>
2003	B 17; Augsburg	9.000 m <sup>2</sup>	Whisper-asphalt® 2-layered	9 <sup>4</sup>
2005	BAB A 96; Ammersee	64.000 m <sup>2</sup>	Whisper-asphalt®	13
2005	BAB A 96; Ring München - Westabschnitt	40.000 m <sup>2</sup>	Whisper-asphalt®	12
2005	BAB A 73; Erlangen	42.000 m <sup>2</sup>	Whisper-asphalt®	not yet renewed
2005	BAB A 9; Schnaittach	42.000 m <sup>2</sup>	Whisper-asphalt®	11
2005	City of Ingolstadt	10.000 m <sup>2</sup>	Whisper-asphalt® 2-layered	9 <sup>4</sup>

Year	Project	m <sup>2</sup>	Asphalt	Life cycle in years
2006	BAB A 96; Ammersee	25.000 m <sup>2</sup>	Whisper- asphalt®	8 <sup>7</sup>
2006	BAB A 9; Bayreuth	190.000 m <sup>2</sup>	Whisper- asphalt®	11
2007	BAB A 9; Lauf	100.000 m <sup>2</sup>	Whisper- asphalt®	
2008	B 17; Augsburg	15.000 m <sup>2</sup>	Whisper- asphalt® 2-layered	
2009	BAB A 9; Bayreuth	100.000 m <sup>2</sup>	Whisper- asphalt®	
2009	BAB A 9; Lauf	130.000 m <sup>2</sup>	Whisper- asphalt®	
2010	City of Regensburg	9.000 m <sup>2</sup>	SMA LA	
2010	BAB A 3; Würzburg	125.000 m <sup>2</sup>	Whisper- asphalt®	
2011	BAB A 6; Nürnberg	110.000 m <sup>2</sup>	Whisper- asphalt® 2-layered	
2011	BAB A 6; Nürnberg	30.000 m <sup>2</sup>	Whisper- asphalt®	
2011	BAB A 6; Nürnberg	30.000 m <sup>2</sup>	SAMI	
2011	B 173; Lichtenfels	75.000 m <sup>2</sup>	Whisper- asphalt®	
2011	BAB A 8; München	140.000 m <sup>2</sup>	SMA	
2012	BAB A 99; Eschenried	15.000 m <sup>2</sup>	Whisper- asphalt®	
2012	BAB A 9; Garching	26.000 m <sup>2</sup>	Whisper- asphalt®	
2012	Stadt Regensburg	12.000 m <sup>2</sup>	SMA LA	
2013	BAB A 9; Garching	110.000 m <sup>2</sup>	Whisper- asphalt®	
2013	BAB A 99; Eschenried	45.000 m <sup>2</sup>	Whisper- asphalt®	
2013	BAB A 99; Eschenried	10.000 m <sup>2</sup>	SMA	
2013	Weiden	10.000 m <sup>2</sup>	SMA	
2013	Weiden	10.000 m <sup>2</sup>	SMA LA	
2013	Stadt Regensburg	15.000 m <sup>2</sup>	SMA LA	
2013	Audi Fahrzentrum	50.000 m <sup>2</sup>	SMA LA	
2013	BAB A 6; Nürnberg	20.000 m <sup>2</sup>	SMA	

Year	Project	m <sup>2</sup>	Asphalt	Binding
2013	BAB A 9; Bayreuth	5.000 m <sup>2</sup>	Whisper-asphalt®	
2014	BAB A 9; Garching	110.000 m <sup>2</sup>	Whisper-asphalt®	
2014	Stadt Ingolstadt	10.000 m <sup>2</sup>	Whisper-asphalt®	
2014	BAB A9, Greding	90.000 m <sup>2</sup>	AC 16 B S-SMA SMA LA	
2014	B 388; Eggenfelden	25.000 m <sup>2</sup>	SMA LA	
2014	B 288; Eggenfelden	21.000 m <sup>2</sup>	AC 16 B S-SMA	
2014	B 288; Eggenfelden	41.000 m <sup>2</sup>	AC 11 D S	
2014	B 471	23.000 m <sup>2</sup>	AC 16 B S-SMA SMA LA	
2014	City of Regensburg	25.000 m <sup>2</sup>	SMA	
2015	BAB A 99; Feldmoching	44.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2015	BAB A 95; Fürstenried	72.000 m <sup>2</sup> 10.000 m <sup>2</sup>	SMA SMA	RmB G 20/60-55 RmB R 20/60-55
2015	BAB A 99; Eschenrieder Spange	36.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2015	B 11; Garching - Dietersheim	15.000 m <sup>2</sup>	AC 11 D S Sp	RmB G 20/60-55
2015	B 20; OD City of Laufen	8.000 m <sup>2</sup> 10.000 m <sup>2</sup>	AC 16 B S AC 8 D S	RmB G 25/60-52 RmB G 20/60-55
2015	B 17; Area Königsbrunn	55.000 m <sup>2</sup> 56.000 m <sup>2</sup>	AC 16 B S SMA 8 S	RmB G 20/60-55 RmB G 20/60-55
2015	City of Mindelheim, industrial area	4.500 m <sup>2</sup>	AC 11 D S Sp	RmB G 20/60-55
2016	City of Ingolstadt; various projects	70.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2016	FDE OD Sondermoning	10.000 m <sup>2</sup>	AC 16 B S	RmB G 25/60-52
	City of Sondermoning	10.000 m <sup>2</sup>	AC 8 D S	RmB G 20/60-55
2016	B 388; FDE „Linden“	9.000 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2016	B 388; FDE „Bad Birnbach“	44.000 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2016	B 17; „Königsbrunn“	55.000 m <sup>2</sup> 55.000 m <sup>2</sup>	AC 16 B S SMA 8 S	RmB G 20/60-55 RmB G 20/60-55
2016	FDE „OD Freilassing“	10.000 m <sup>2</sup>	AC 16 B S	RmB G 25/60-52
	City of Freilassing	10.000 m <sup>2</sup>	AC 8 D S	RmB G 20/60-55
2016	B 12; FDE „Freyung“	35.000 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2016	B 299; „Vilsbiburg“	20.000 m <sup>2</sup>	SMA 8 S	RmB G 25/60-52

year	Projekt	m <sup>2</sup>	Aphalt	Binding
2016	B 388; „Pfarrkirchen“	35.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2016	B 17; „Lagerlechfeld“	70.000 m <sup>2</sup>	AC 16 B S	RmB G 20/60-55
			SMA 8 S	RmB G 20/60-55
2016	BAB A6; „Nürnberg“	105.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2016	BAB A 9; „Schnaittach“	70.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2016	BAB A 99; „Aubing“	50.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2016	B 303; „Bischofsgrün“	60.000 m <sup>2</sup>	AC 16 B S	RmB G 25/60-55
		60.000 m <sup>2</sup>	AC 11 D S	RmB G 25/60-55
2016	B 22; „Bamberg“	30.000 m <sup>2</sup>	AC 8 S	RmB G 20/60-55
2016	B 505; „Bamberg“	17.500 m <sup>2</sup>	AC 22 B S	RmB G 25/60-52
		56.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2016	City of Mindelheim; „Industrial Area“	4.850 m <sup>2</sup>	AC 11 D S Sp	RmB G 20/60-55
2017	BAB A 3; Bogen- Schwarzach	138.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2017	BAB A 6; Nürnberg	52.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	BAB A 9; D304L- Bayreuth	100.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	BAB A 9; D304R- Bayreuth	100.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	BAB A 9; Lauf - Pegnitz	109.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	BAB A 73; Forchheim	27.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	BAB A 96 Bad Wörishofen	41.000 m <sup>2</sup>	DSHV	RmB G 35/70-55

year	Projekt	m <sup>2</sup>	Aphalt	Binding
2017	BAB A 99; Aschheim	35.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	B 2; Itzing - Monheim	10.000 m <sup>2</sup>	AC 16 BS	RmB G 20/60-55
		10.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2017	B 2; Augsburg – Kissingen	30.000 m <sup>2</sup>	AC 16 BS	RmB G 20/60-55
		30.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2017	B 17; Königsbrunn	22.500 m <sup>2</sup>	AC 16 B S	RmB G 20/60-55
		23.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2017	B 17; Augsburg Messe	23.000 m <sup>2</sup>	AC 16 BS	RmB G 20/60-55
			SMA 8 S	RmB G 20/60-55
		23.000 m <sup>2</sup>	AC 16 BS	RmB G 20/55-60
			SMA 8 S	RmB G 20/55-60
2017	B 20; FBD Falkenberg	23.000 m <sup>2</sup>	SMA 8 S	RmB G 25/60-52
2017	B 20; Freilassing	42.500 m <sup>2</sup>	SMA 11 S	RmB G 20/60-55
2017	B 22; Ebrach – Burgwindheim	35.000 m <sup>2</sup>	AC 11 DS	RmB G 20/60-55
2017	B 85; Patraching – Haselbach	30.000 m <sup>2</sup>	AC 11 DS	RmB G 20/60-55
2017	B 301; Elsendorf	16.000 m <sup>2</sup>	AC 16 B S	RmB G 25/60-52
		18.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
		5.000 m <sup>2</sup>	SMA 11 S	RmB G 20/60-55
2017	B 304; Surberg	62.500 m <sup>2</sup>	AC 16 B S	RmB G 25/60-55
		62.500 m <sup>2</sup>	AC 11 D S	RmB G 25/60-55
2017	B 305; Schneitzlreuth	34.100 m <sup>2</sup>	AC 16 D S	RmB G 25/60-55
2017	B 388; Gangkofen – Massing	13.000 m <sup>2</sup>	AC 11 D S	RmB G 25/60-55
		16.000 m <sup>2</sup>	SMA 16 B S	RmB G 25/60-55
		16.000 m <sup>2</sup>	SMA 8 LA	RmB G 35/70-55

year	Projekt	m <sup>2</sup>	Aphalt	Binding
2017	B 999; Roßfeld	15.000 m <sup>2</sup>	AC 16 D S	RmB G 25/60-55
2017	ST 2103; Piding - Anger	12.000 m <sup>2</sup>	AC 11 D S	RmB G 25/60-55
		12.500 m <sup>2</sup>	AC 8 D S	RmB G 25/60-55
2017	ST 2100; Berchtesgaden	6.200 m <sup>2</sup>	AC 11 D S	RmB G 20/60-55
2017	OD Freilassing	10.000 m <sup>2</sup>	AC 8 D S	RmB G 25/60-55
2017	City of Ingolstadt	19.000 m <sup>2</sup>	SMA 8 S	RmB G 25/60-55
2018	BAB A 3; Straubing	80.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	BAB A 3; Aschaffenburg	60.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	BAB A 8; München – Augsburg	10.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	BAB A 9; D359L Schnaittach	100.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	BAB A 73; Forchheim EO/AK FÜ-ER	27.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	BAB A 93; D31R Hof – Rehau	13.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	BAB A 96; Windach – Greifenberg	90.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
		90.000 m <sup>2</sup>	AC 16 B S SG	RmB G 20/60-55
2018	BAB A 99; Aschheim München N bis Isarbrücke	45.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	BAB A 99; Aschheim München N bis Aschheim	125.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	BGL 14	10.000 m <sup>2</sup>	AC 11 D S	RmB G 20/60-55
2018	B 2; Augsburg	33.000 m <sup>2</sup>	SMA 11 S	RmB G 20/60-55
2018	B 2; Monheim	57.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
		57.000 m <sup>2</sup>	AC 16 B S	RmB G 20/60-55
2018	B 2; Treuchtlingen	56.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55

year	Projekt	m <sup>2</sup>	Aphalt	Binding
2018	B 4; Nürnberg	5.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	B 4; Untersiemau	74.000 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2018	B 14; Lauf	14.000 m <sup>2</sup>	SMA 11 S	RmB G 20/60-55
2018	B 15; AS Essenbach	24.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
		24.000 m <sup>2</sup>	AC 16 BS	RmB G 25/60-52
2018	B 15; A 92 - Landshut	115.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
		115.000 m <sup>2</sup>	AC 16 BS	RmB G 20/60-55
2018	B 17; Haunstetten	60.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	B 17; Königsbrunn	23.000 m <sup>2</sup>	AC 16 B S	RmB G 20/60-55
		23.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	B 20; Malgersdorf	30.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	B 20; Niedervillern	13.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	B 20; nördl. Tittmoning	49.000 m <sup>2</sup>	AC 11 DS	RmB G 20/60-55
		49.000 m <sup>2</sup>	AC 16 B S	RmB G 20/60-55
2018	B 20; Wurmansquick	30.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2018	B 22; Bamberg – Münchner Ring	9.000 m <sup>2</sup>	SMA 8 S with 30 % RC PA	RmB G 20/60-55
2018	B 305; Seegatterl	60.000 m <sup>2</sup>	AC 11 D N	RmB G 20/60-55
2018	B 306 Inzell	32.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
		16.000 m <sup>2</sup>	AC 16 B S	RmB G 20/60-55
2018	ST 2070; Faistenhaar	14.500 m <sup>2</sup>	AC 8 D S	RmB G 20/60-55
2018	Rosenheim Westtangende	18.000 m <sup>2</sup>	SMA 8 S	RmB G 25/60-55
2018	Stadt Ingolstadt	14.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55

## Reference list of asphalt projects with rubber-modified bitumen (outside Bavaria)

year	Project	m <sup>2</sup>	Asphalt	Binding
2015	BAB A 8; FDE „Karlsbad“	60.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2015	BAB A 8; FDE „Steinig“	28.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2015	City of Biberach a.d.R.; „Theodor- Straße“	8.250 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2015	City of Bietigheim- Bissingen; „Schwarzwaldstraße“	2.800 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2015	L 549; FDE „Rheinzabern“	30.700 m <sup>2</sup>	AC 8 D S	RmB G 25/60-52
2015	B 49; City of Montabaur	25.800 m <sup>2</sup>	AC 22 B S	GmB T 25/55-55
		31.900 m <sup>2</sup>	AC 11 D S	GmB T 25/55-55
2015	B 43; Airport Frankfurt	9.800 m <sup>2</sup>	SMA 11 S	
2015	City of Berlin; „Alma- Zeile“	3.100 m <sup>2</sup>	AC 16 B S- SMA	RmB G 20/60-55
		3.100 m <sup>2</sup>	AC 11 D S Sp	RmB G 20/60-55
2015	Baden Airport; Industrial Area	2.300 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2016	B 500; „Zuflucht - Ruhstein“	100.000 m <sup>2</sup>	AC 16 B S	RmB G 25/60-52
		100.000 m <sup>2</sup>	AC 8 D S	RmB G 25/60-55
2016	L 562; „Dietlingen- Pforzheim“	4.150 m <sup>2</sup>	AC 8 D S Sp	GmB T 25/55-55
2016	City of Biberach a.d.R.	5.250 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2016	BAB A 8; „Leonberg- Heimsheim“ Abschn. 3 u. 4.	ca.200.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2016	B 36; FDE „Rheinstetten“	8.500 m <sup>2</sup>	PA 8	RmB G 25/60-55
2016	B 427; „Kapellen - Oberhausen“	19.000 m <sup>2</sup>	AC 8 D S	RmB G 25/60-52



year	Project	m <sup>2</sup>	Asphalt	Binding
2016	L 526 – L 527; FBE „Birkenheide“	18.290 m <sup>2</sup>	AC 8 D S	RmB G 25/60-52
		9.830 m <sup>2</sup>	AC 8 D S	RmB G 25/60-52
2016	B 39; FBE „ADAC – KVP Side Road K9“	25.500 m <sup>2</sup>	AC 11 D S	RmB G 25/60-55
2016	B 272; FBE „BAB A 65 – K 40 bei Hochstadt“	30.200 m <sup>2</sup>	AC 11 D S	RmB G 25/60-55
2016	B 10; „Rinntal - Wilgarswiesen	30.000 m <sup>2</sup>	SMA 8 S	RmB G 25/60-52
2016	City of Biberach a.d.R.	9.100 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2016	B 3; FDE „Offenburg - Oberschopfheim“	9.800 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2016	B 294; FDE „Loßburg - Freudenstadt“	38.200 m <sup>2</sup>	AC 16 B S	GmB or GmB T 25/55-55
2016	B 294; FDE „OD Höfen - Neuenbürg“	25.500 m <sup>2</sup>	AC 16 B S	GmB T 25/55-55
		25.500 m <sup>2</sup>	SMA 8 S	GmB T 25/55-55
2016	B 463; FDE „Dillweißenstein – Unterreichenbach“	40.000 m <sup>2</sup>	AC 16 B S	RmB G 25/60-55
		40.000 m <sup>2</sup>	SMA 8 S	RmB G 25/60-55
2016	K 251; Ostermunzel / Lathwehren	6.300 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
		15.000 m <sup>2</sup>	DSH-V 8	RmB G 25/60-52
2016	K 316; Frielingen / Osterwald	7.250 m <sup>2</sup>	DSH-V 8	RmB G 25/60-52
2016	BAB A 31; Dorsten	1.000 to	AC 16 B S	RmB G 25/60-52
2016	City of Buchholz	15.000 m <sup>2</sup>	SMA 11 S	GmB T 25/55-55
2017	Stadt Biberach, diverse Industrieflächen	2.700 m <sup>2</sup>	AC 8 D S Sp	GmB T 25/55-55

Year	Project	m <sup>2</sup>	Asphalt	Binding
2017	Stadt Biberach, Stadtstraße	15.000 m <sup>2</sup>	AC 11 D S	GmB T 25/55-55
		8.450 m <sup>2</sup>	AC 8 D S	GmB T 25/55-55
2017	B 41; „Birkenfeld“	15.000 m <sup>2</sup>	AC 11 D S	RmB G 25/60-52
2017	Stadt Karlsruhe, Bulacher Brücke	12.500 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2017	B 3; Stadt Raststatt	18.000 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2017	BAB A 5 „Reparaturlos“	1.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2017	Stadt Freiburg	850 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2017	B 423; „Habkirchen - Wittersheim“	38.000 m <sup>2</sup>	SMA 5 S	RmB G 20/60-55
2017	BAB A 8; „Leonberg- Rampe“	30.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
		8.500 m <sup>2</sup>	SMA LA	RmB G 35/70-55
2017	B 29 „Gemsheim - Neustadt“	16.000 m <sup>2</sup>	AC 11 D S	RmB G 20/60-55
2017	L 516; „Edesheim – B 10“	50.000 m <sup>2</sup>	AC 16 B S -	RmB G 25/60-52
		60.000 m <sup>2</sup>	SMA AC 11 D S	RmB G 25/60-52
2017	Stadt Bad Dürkheim, Kreisverkehrsanlage	2.500 m <sup>2</sup>	AC 11 D S Sp	RmB G 20/60-55
2017	B 256 Waldbröl	30.000 m <sup>2</sup>	AC 11 DS	RmB G 25/60-52
2017	K 246 Lathwehren	8.800 m <sup>2</sup>	AC 11 DS	RmB G 25/60-52
2017	K 251 Döteberg	6.800 m <sup>2</sup>	DSHV 5	RmB G 25/60-52
2017	K 315, K 231, K 333, K 344, K 327 L 392 Hannover	8.200 m <sup>2</sup>	AC 22 BS	RmB G 25/60-52
		53.400 m <sup>2</sup>	AC 11 DS	RmB G 25/60-55
2017	B 184 Landesgrenze Sachsen bis B 100	33.000 m <sup>2</sup>	AC 16 BS	RmB G 20/60-55
		33.000 m <sup>2</sup>	SMA 11 S	RmB G 20/60-55

year	Project	m <sup>2</sup>	Asphalt	Binding
2017	Eurogate Bremerhave n	7.300 m <sup>2</sup>	AC 22	RmB G 25/60-52
		7.300 m <sup>2</sup>	BS AC	RmB G 25/60-52
		3.700 m <sup>2</sup>	16 BS	RmB G 25/60-52
		7.300 m <sup>2</sup>	AC 16	RmB G 20/60-55
2018	B 1; Magdeburg	24.800 m <sup>2</sup>	AC 22 BS	RmB G 20/60-55
		24.800 m <sup>2</sup>	AC 8 DS	RmB G 20-60-55
2018	B 3; Tausendfüßler Offenburg	3.800 m <sup>2</sup>	SMA 8 LA	RmB G 35/70-55
2018	BAB A 8; Friolzhei m	100.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2018	Königsbergalle e/ Stadt Biberach	4.300 m <sup>2</sup>	AC 16 BS	RmB G 25/60-52
		1.800 m <sup>2</sup>	AC 11 DS	RmB G 20/60-55
		4.300 m <sup>2</sup>	SMA 5 S	RmB G 20/60-55
2018	B 28; Appenweihe r-Oberkirch	26.500 m <sup>2</sup>	AC 11 DS	RmB G 20/60-55
2018	B 466; Bad Überkingen	8.900 m <sup>2</sup>	SMA 8 LA	RmB G 35/70-55

### **Reference list of asphalt projects with rubber-modified bitumen (other parts of Germany)**

year		m <sup>2</sup>	asphalt
2013	Other parts of Germany	40.000 m <sup>2</sup>	Whisper-asphalt®
2014	Other parts of Germany	120.000 m <sup>2</sup>	Whisper-asphalt®; binder course; SMA; asphalt concrete
2015	Other parts of Germany	205.750 m <sup>2</sup>	PA 8; binder course; SMA; asphalt concrete
2016	Other parts of Germany	768.000 m <sup>2</sup>	PA 8; binder course; SMA; asphalt concrete
2013	Austria	110.000 m <sup>2</sup>	Binder course; asphalt concrete; SMA;
2014	Austria	120.000 m <sup>2</sup>	Binder course; asphalt concrete; SMA;
2015	Austria	80.000 m <sup>2</sup>	Binder course; asphalt concrete;
2016	Austria	80.000 m <sup>2</sup>	Binder course; asphalt concrete;
2018	Austria	150.000 m <sup>2</sup>	Binder course; asphalt concrete;

BAB = Federal freeway  
 B = federal highway  
 L = state highway  
 K = country road  
 SMA Stone-mastix-asphalt  
 SMA LA Stone-mastix-asphalt (~15 Vol.% void content) „SMA noise reducing“ AC 16 B S  
 Binder course  
 PA 8 Porus asphalt AC 11 D S  
 Asphalt concrete  
 AC 11 D S SP Asphalt concrete, high content of aggregates DSH-V Thin layer hotmix

## Current Projects in Bavaria

Year	Projekt	m <sup>2</sup>	Asphalt	Binding
2019	BAB A 3 Iggenbach	90.000 m <sup>2</sup>	AC 22 BS Typ SMA	RmB G 20/60-55
2019	BAB A 3 Regensburg	165.000 m <sup>2</sup>	AC 16 B S Typ SMA	RmB G 20/60-55
2019	BAB A 6 Schwabach	125.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2019	BAB A 9 Lauf a.d. Pegnitz	120.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2019	BAB A 92 Ohu	40.000 m <sup>2</sup>	AC 22 BS Typ SMA	RmB G 20/60-55
2019	BAB A 99 Aschheim	125.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2019	BAB A 99 Feldmoching	40.000 m <sup>2</sup>	PA 8	RmB G 35/70-55
2019	B 2 Monheim	5.000 m <sup>2</sup> 5.000 m <sup>2</sup>	AC 11 D S AC 16 B S	RmB G 25/60-52 RmB G 25/60-52
2019	B 4 Erlangen	4.500 m <sup>2</sup> 1.200 m <sup>2</sup>	AC 11 D S AC 8 D S	RmB G 20/60-55 RmB G 25/60-52
2019	B 15 Landshut; Hofmark-Aich-Strasse	13.000 m <sup>2</sup> 11.500 m <sup>2</sup>	SMA 8 S AC 16 B S	RmB G 20/60-55 RmB G 20/60-55
2019	B 17 Augsburg Messe	30.000 m <sup>2</sup> 30.000 m <sup>2</sup>	SMA 8 S AC 16 B S	RmB G 20/60-55 RmB G 20/60-55
2019	B 25 nördl. Marktöffingen	14.000 m <sup>2</sup>	Abi 22 S G	RmB G 20/60-55
2019	B 25 Möttingen	80.000 m <sup>2</sup> 80.000 m <sup>2</sup>	AC 16 B S SMA 8 S	RmB G 20/60-55 RmB G 20/60-55
2019	B 388 Huldessen	44.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2019	B 388 Nindorf	25.000 m <sup>2</sup>	SMA 8 S	RmB G 20/60-55
2019	ST 2035 Schwabmünchen	13.000 m <sup>2</sup> 14.000 m <sup>2</sup>	AC 16 B S AC 11 D S	RmB G 20/60-55 RmB G 20/60-55
2019	ST 2082 Pliening	12.000 m <sup>2</sup> 13.000 m <sup>2</sup>	AC 22 B S AC 11 D S	RmB G 20/60-55 RmB G 20/60-55
2019	ST 2309 Kleinwallstadt	16.000 m <sup>2</sup>	AC 11 D S	RmB G 20/60-55

## Current Projects (Austria)

Bau	Strecke	m <sup>2</sup>	Asphalt	Bindemittel
2018	Bereich Liezen	5.000 m <sup>2</sup>	AC 11	RmB G 20/60-55
2018	B 70; Pirka - Tobelbad	6.000 m <sup>2</sup>	AC 32	RmB G 25/60-52
		6.000 m <sup>2</sup>	AC 11	RmB G 20/60-55
2018	L 249; Reitherstraße	3.700 m <sup>2</sup>	AC 32	RmB G 25/60-52
		3.800 m <sup>2</sup>	AC 11	RmB G 20/60-55
2018	L 301; Hitzendorferstraße	12.000 m <sup>2</sup>	AC 32	RmB G 25/60-52
		12.000 m <sup>2</sup>	AC 11	RmB G 20/60-55
2018	L 366; Sommerberg	21.000 m <sup>2</sup>	AC 22	RmB G 25/60-52
		21.500 m <sup>2</sup>	AC 16	RmB G 20/60-55
2018	L 458; Strallegg	16.300 m <sup>2</sup>	AC 32	RmB G 25/60-52
		16.400 m <sup>2</sup>	AC 16	RmB G 20/60-55
2018	B 67 San. Zentralfriedhof	15.000 m <sup>2</sup>	AC 32	RmB G 25/60-52
		15.000 m <sup>2</sup>	AC 11	RmB G 20/60-55