No.	Name	Symbol	Code	File
1	main track		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`	topology.tikz
2	main line (double track)		`\draw[MainTrack] (-2.5, 0.5) -- ++(5,0);` `\draw[MainTrack] (-2.5,-0.5) -- ++(5,0);`	topology.tikz

3	track distance (in m)		`\draw[MainTrack] (-2.5, 0.5) -- ++(5,0);`
			`\pic at (0,-0.5) {track_distance={4,50}};`
			`\draw[MainTrack] (-2.5,-0.5) -- ++(5,0);`
				topology.tikz

4	side track		`\draw[SideTrack] (-2.5,0) -- ++(5,0);`	topology.tikz
5	track number		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0, 0) {track_number={2}};`	topology.tikz

6	turnout left (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,1);`
			`\pic at (0,0) {turnout_left_forward};`
				topology.tikz

7	turnout left (backward)		`\draw[MainTrack] (-2.5,0) -- ++( 5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,-1);`
			`\pic at (0,0) {turnout_left_backward};`
				topology.tikz

8	turnout right (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,-1);`
			`\pic at (0,0) {turnout_right_forward};`
				topology.tikz

9	turnout right (backward)		`\draw[MainTrack] (-2.5,0) -- ++( 5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,1);`
			`\pic at (0,0) {turnout_right_backward};`
				topology.tikz

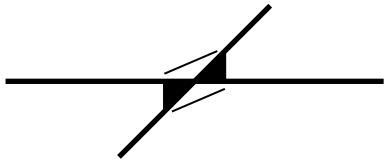
No.	Name	Symbol	Code	File

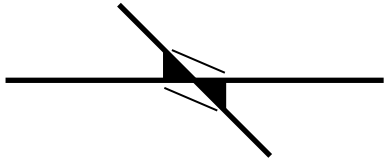
10	turnout left (forward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,1);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {fouling_point_left_forward};`
				`topology.tikz`

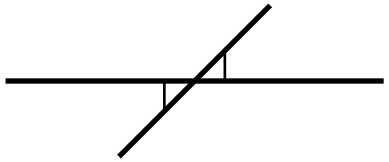
11	turnout left (backward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++( 5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,-1);`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {fouling_point_left_backward};`
				`topology.tikz`

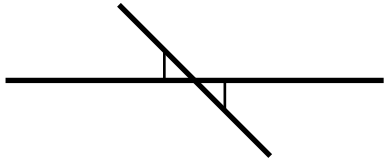
12	turnout right (forward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,-1);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {fouling_point_right_forward};`
				`topology.tikz`

13	turnout right (backward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++( 5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,1);`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {fouling_point_right_backward};`
				`topology.tikz`

14	double-slip turnout left		`\draw[MainTrack] (-2.5, 0) -- ++(5,0);`
			`\draw[MainTrack] (-1 ,-1) -- ++(2,2);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {slip_left_forward};`
			`\pic at (0,0) {slip_left_backward};`
				`topology.tikz`

15	double-slip turnout right		`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] (-1 ,1) -- ++(2,-2);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {slip_right_forward};`
			`\pic at (0,0) {slip_right_backward};`
				`topology.tikz`

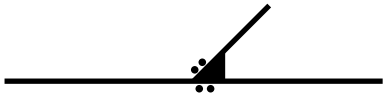
16	diamond crossing left		`\draw[MainTrack] (-2.5, 0) -- ++(5,0);`
			`\draw[MainTrack] (-1 ,-1) -- ++(2,2);`
			`\pic at (0,0) {turnout_left_forward=none};`
			`\pic at (0,0) {turnout_left_backward=none};`
				`topology.tikz`

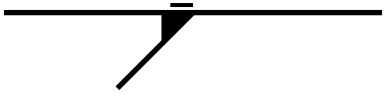
17	diamond crossing right		`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] (-1 ,1) -- ++(2,-2);`
			`\pic at (0,0) {turnout_right_forward=none};`
			`\pic at (0,0) {turnout_right_backward=none};`
				`topology.tikz`

No.	Name	Symbol	Code	File

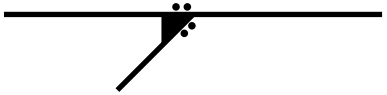
18	turnout left (forward)
	with points in right position
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,1);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {turnout_left_forward_points_right};`
				`topology.tikz`

19	turnout left (forward)
	with points in left position
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,1);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {turnout_left_forward_points_left};`
				`topology.tikz`

20	turnout left (forward)
	with moving points
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,1);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {turnout_left_forward_points_moving};`
				`topology.tikz`

21	turnout left (backward)
	with points in right position
			`\draw[MainTrack] (-2.5,0) -- ++( 5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,-1);`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {turnout_left_backward_points_right};`
				`topology.tikz`

22	turnout left (backward)
	with points in left position
			`\draw[MainTrack] (-2.5,0) -- ++( 5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,-1);`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {turnout_left_backward_points_left};`
				`topology.tikz`

23	turnout left (backward)
	with moving points
			`\draw[MainTrack] (-2.5,0) -- ++( 5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,-1);`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {turnout_left_backward_points_moving};`
				`topology.tikz`

24	turnout right (forward)
	with points in right position
			`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,-1);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {turnout_right_forward_points_right};`
				`topology.tikz`

25	turnout right (forward)
	with points in left position
			`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,-1);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {turnout_right_forward_points_left};`
				`topology.tikz`

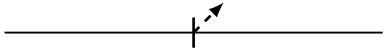
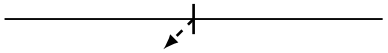
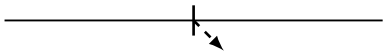
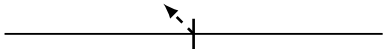
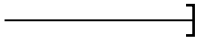
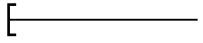
26	turnout right (forward)
	with moving points
			`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,-1);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {turnout_right_forward_points_moving};`
				`topology.tikz`

No.	Name	Symbol	Code	File

27	turnout right (backward)
	with points in right position
			`\draw[MainTrack] (-2.5,0) -- ++( 5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,1);`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {turnout_right_backward_points_right};`
				`topology.tikz`

28	turnout right (backward)
	with points in left position
			`\draw[MainTrack] (-2.5,0) -- ++( 5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,1);`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {turnout_right_backward_points_left};`
				`topology.tikz`

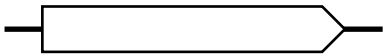
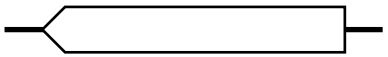
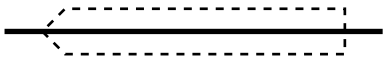
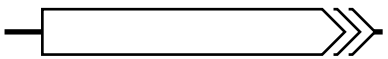
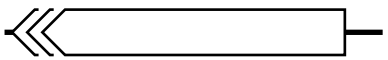
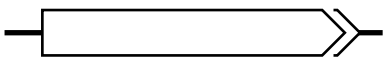
29	turnout right (backward)
	with moving points
			`\draw[MainTrack] (-2.5,0) -- ++( 5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,1);`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {turnout_right_backward_points_moving};`
				`topology.tikz`

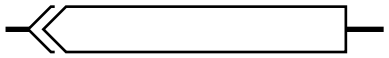
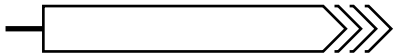
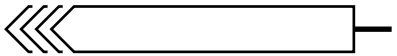
30	derailer left (forward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_left_forward};`	`topology.tikz`
31	derailer left (backward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_left_backward};`	`topology.tikz`
32	derailer right (forward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_right_forward};`	`topology.tikz`
33	derailer right (backward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_right_backward};`	`topology.tikz`
34	bufferstop (forward)		`\draw[SideTrack] (-2.5,0) -- ++(2.5,0);` `\pic at (0,0) {bufferstop_forward};`	`topology.tikz`
35	bufferstop (backward)		`\draw[SideTrack] (0,0) -- ++(2.5,0);` `\pic at (0,0) {bufferstop_backward};`	`topology.tikz`

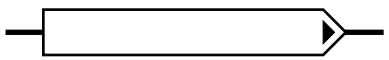
No.	Name	Symbol	Code	File

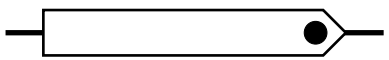
36	vehicles (parked)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {vehicles};`
			`\node[font=\sffamily] at (0,0) {label};`
				vehicles.tikz

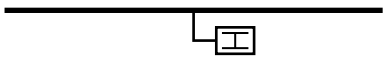
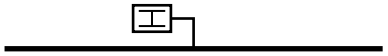
37	vehicle (parked)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-0.5,0) {vehicles=1};`
			`% change the 1 to desired length`
				vehicles.tikz

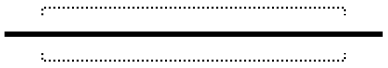
38	train (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_direction_forward};`	vehicles.tikz
39	train (direction backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_direction_backward};`	vehicles.tikz
40	ghost train (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {ghost_train_direction_forward};`	vehicles.tikz
41	ghost train (direction backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {ghost_train_direction_backward};`	vehicles.tikz
42	train moving (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_moving_forward};`	vehicles.tikz
43	train moving (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_moving_backward};`	vehicles.tikz
44	train moving slow (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_moving_slow_forward};`	vehicles.tikz

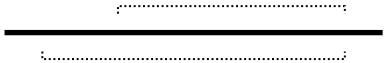
No.	Name	Symbol	Code	File
45	train moving slow (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_moving_slow_backward};`	vehicles.tikz
46	train moving fast (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_moving_fast_forward};`	vehicles.tikz
47	train moving fast (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_moving_fast_backward};`	vehicles.tikz
48	train in shunting mode (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_shunt_mode_forward};`	vehicles.tikz
49	train in shunting mode (direction backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_shunt_mode_backward};`	vehicles.tikz
50	train shunting (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_shunting_forward};`	vehicles.tikz
51	train shunting (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_shunting_backward};`	vehicles.tikz

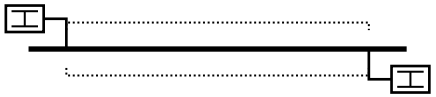
52	train operated automatic (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (2,0) {train_direction_forward}; % train`
			`\pic at (2,0) {train_automatic_forward}; % triangle`
				vehicles.tikz

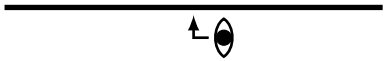
53	train operated by human (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (2,0) {train_direction_forward}; % train`
			`\pic at (2,0) {train_human_forward}; % dot`
				vehicles.tikz

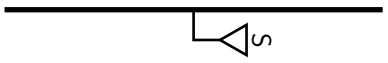
No.	Name	Symbol	Code	File
54	train berth sign (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {train_berth_sign_forward};`	trafficControl.tikz
55	train berth sign (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {train_berth_sign_backward};`	trafficControl.tikz

56	train berth shape bidirectional		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {train_berth_shape=4};`
			`% change the 4 to desired length`
				trafficControl.tikz

57	train berth shape		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {train_berth_shape_forward=4};`
			`\pic at (-1,0) {train_berth_shape_backward=3};`
				trafficControl.tikz

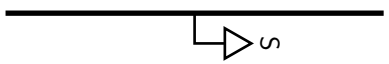
58	train berth		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {train_berth_sign_backward};`
			`\pic at (-2,0) {train_berth_shape};`
			`\pic at ( 2,0) {train_berth_sign_forward};`
				trafficControl.tikz

59	view point (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {view_point_forward};`	trafficControl.tikz
60	view point (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {view_point_backward};`	trafficControl.tikz
61	distant signal (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {distant_signal_forward};`	trafficControl.tikz

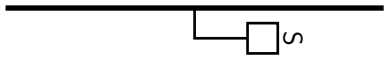
62	distant signal
	with speed indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {distant_signal_forward={S}};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

No.	Name	Symbol	Code	File
63	distant signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {distant_signal_backward};`	trafficControl.tikz

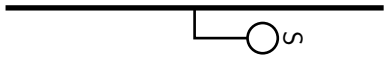
64	distant signal
	with speed indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {distant_signal_backward={S}};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

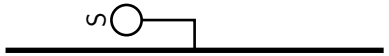
65	speed signal (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {speed_signal_forward={S}};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

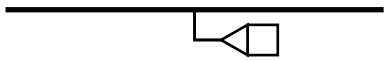
66	speed signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {speed_signal_backward={S}};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

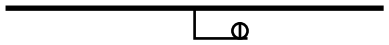
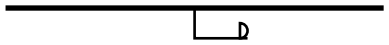
67	block signal (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {block_signal_forward=S};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

68	block signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {block_signal_backward=S};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

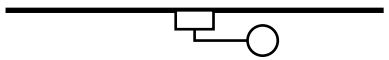
69	route signal (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {route_signal_forward=S};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

70	route signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {route_signal_backward=S};`
			`% replace the S with desired speed or remove`
				trafficControl.tikz

71	combined signal
	(distant and block signal)
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {block_signal_forward};`
			`\pic at (0,0) {distant_signal_forward};`
				trafficControl.tikz

No.	Name	Symbol	Code	File
72	shunt signal (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_signal_forward};`	`trafficControl.tikz`
73	shunt signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_signal_backward};`	`trafficControl.tikz`
74	shunt signal locked (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_signal_forward_locked};`	`trafficControl.tikz`
75	shunt signal locked (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_signal_backward_locked};`	`trafficControl.tikz`
76	shunt limit (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_limit_forward};`	`trafficControl.tikz`
77	shunt limit (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_limit_backward};`	`trafficControl.tikz`

78	transmitter (below & above)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {transmitter_below};`
			`\pic at ( 1,0) {transmitter_above};`
				`trafficControl.tikz`

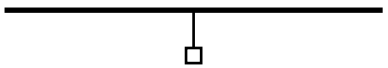
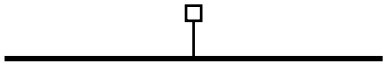
79	transmitter (below)
	with signal
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {route_signal_forward};`
			`\pic at (0,0) {transmitter_below};`
				`trafficControl.tikz`

80	transmitter (below & above)
	effective forward
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {transmitter_below_forward};`
			`\pic at ( 1,0) {transmitter_above_forward};`
				`trafficControl.tikz`

No.	Name	Symbol	Code	File

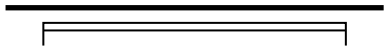
81	transmitter (below & above) effective backward		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {transmitter_below_backward};`
			`\pic at ( 1,0) {transmitter_above_backward};`
				`trafficControl.tikz`

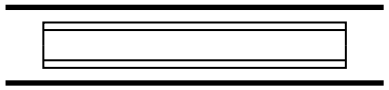
82	transmitter (below & above) effective bidirectional		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {transmitter_below_bidirectional};`
			`\pic at ( 1,0) {transmitter_above_bidirectional};`
				`trafficControl.tikz`

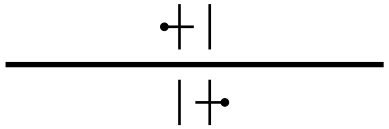
83	block end marker (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_end_marker_forward};`	`trafficControl.tikz`
84	block end marker (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_end_marker_backward};`	`trafficControl.tikz`
85	block clearing point (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_clearing_point_forward};`	`trafficControl.tikz`
86	block clearing point (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_clearing_point_backward};`	`trafficControl.tikz`
87	route clearing point (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {route_clearing_point_forward};`	`trafficControl.tikz`
88	route clearing point (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {route_clearing_point_backward};`	`trafficControl.tikz`
89	clearing point		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {clearing_point};`	`trafficControl.tikz`

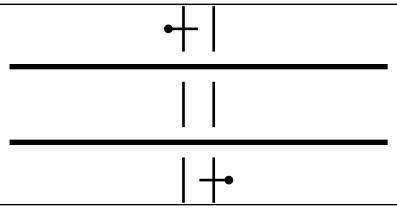
No.	Name	Symbol	Code	File

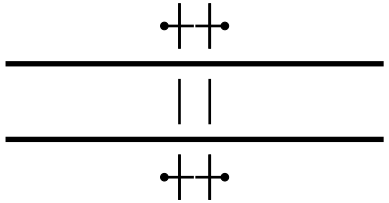
90	platform (left)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {platform_left=4};`
			`% change the 4 to desired length`
				constructions.tikz

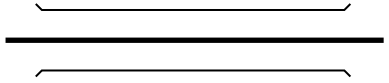
91	platform (right)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {platform_right=4};`
			`% change the 4 to desired length`
				constructions.tikz

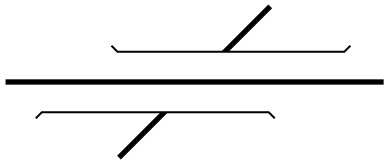
92	platform (middle)		`\draw[MainTrack] (-2.5, 0.5) -- ++(5,0);`
			`\draw[MainTrack] (-2.5,-0.5) -- ++(5,0);`
			`\pic at (-2, 0.5) {platform_right};`
			`\pic at (-2,-0.5) {platform_left};`
				constructions.tikz

93	level crossing (single track)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {level_crossing_barrier_left};`
			`\pic at (0,0) {level_crossing_barrier_right};`
				constructions.tikz

94	level crossing (double track)		`\draw[MainTrack] (-2.5,-0.5) -- ++(5,0);`
			`\draw[MainTrack] (-2.5, 0.5) -- ++(5,0);`
			`\pic at (0, 0.5) {level_crossing_barrier_left};`
			`\pic at (0, 0.5) {level_crossing};`
			`\pic at (0,-0.5) {level_crossing_barrier_right};`
				constructions.tikz

95	level crossing (double track)
	with full closure
			`\draw[MainTrack] (-2.5,-0.5) -- ++(5,0);`
			`\draw[MainTrack] (-2.5, 0.5) -- ++(5,0);`
			`\pic at (0, 1.5) {level_crossing_barrier_right};`
			`\pic at (0, 0.5) {level_crossing_barrier_left};`
			`\pic at (0, 0.5) {level_crossing};`
			`\pic at (0,-0.5) {level_crossing_barrier_right};`
			`\pic at (0,-1.5) {level_crossing_barrier_left};`
				constructions.tikz

96	bridge		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {bridge_left=4};`
			`\pic at (-2,0) {bridge_right=4};`
				constructions.tikz

97	bridge
	with track beneath
			`\draw[MainTrack] (-1,-1) -- ++(2,2);`
			`\fill[background] (-1,-0.4) rectangle (1,0.4);`
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {bridge_left=3};`
			`\pic at (-2,0) {bridge_right=3};`
				constructions.tikz

No.	Name	Symbol	Code	File
98	hump		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {hump};`	`constructions.tikz`
99	interlocking		`\pic at (0,0) {interlocking};`	`constructions.tikz`