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	side track		`\draw[SideTrack] (-2.5,0) -- ++(5,0);`	topology.tikz

4	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

5	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

6	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

7	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

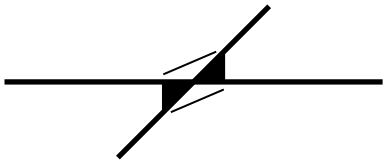
8	turnout left (forward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,1);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {fouling_point_left_forward};`
				topology.tikz

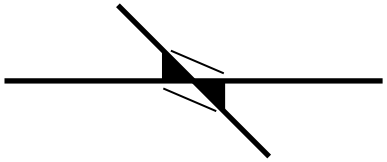
No.	Name	Symbol	Code	File

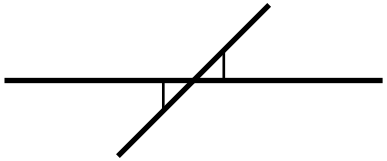
9	turnout left (backward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++( 5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,-1);`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {fouling_point_left_backward};`
				`topology.tikz`

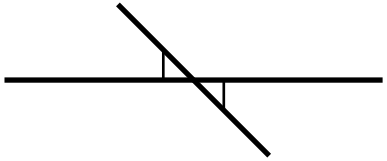
10	turnout right (forward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] ( 0,0) -- ++(1,-1);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {fouling_point_right_forward};`
				`topology.tikz`

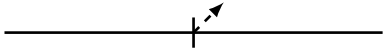
11	turnout right (backward)
	with fouling point indicator
			`\draw[MainTrack] (-2.5,0) -- ++( 5,0);`
			`\draw[MainTrack] ( 0,0) -- ++(-1,1);`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {fouling_point_right_backward};`
				`topology.tikz`

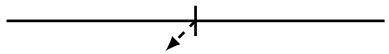
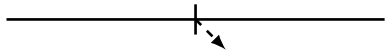
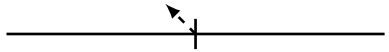
12	double-slip turnout left		`\draw[MainTrack] (-2.5, 0) -- ++(5,0);`
			`\draw[MainTrack] (-1 ,-1) -- ++(2,2);`
			`\pic at (0,0) {turnout_left_forward};`
			`\pic at (0,0) {turnout_left_backward};`
			`\pic at (0,0) {slip_left_forward};`
			`\pic at (0,0) {slip_left_backward};`
				`topology.tikz`

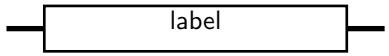
13	double-slip turnout right		`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] (-1 ,1) -- ++(2,-2);`
			`\pic at (0,0) {turnout_right_forward};`
			`\pic at (0,0) {turnout_right_backward};`
			`\pic at (0,0) {slip_right_forward};`
			`\pic at (0,0) {slip_right_backward};`
				`topology.tikz`

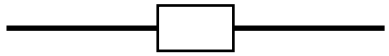
14	diamond crossing left		`\draw[MainTrack] (-2.5, 0) -- ++(5,0);`
			`\draw[MainTrack] (-1 ,-1) -- ++(2,2);`
			`\pic at (0,0) {turnout_left_forward=none};`
			`\pic at (0,0) {turnout_left_backward=none};`
				`topology.tikz`

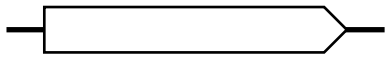
15	diamond crossing right		`\draw[MainTrack] (-2.5,0) -- ++(5, 0);`
			`\draw[MainTrack] (-1 ,1) -- ++(2,-2);`
			`\pic at (0,0) {turnout_right_forward=none};`
			`\pic at (0,0) {turnout_right_backward=none};`
				`topology.tikz`

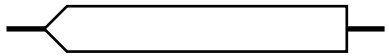
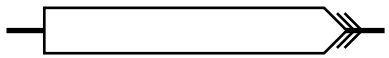
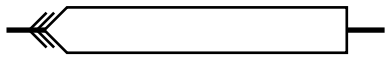
16	derailer left (forward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_left_forward};`	`topology.tikz`

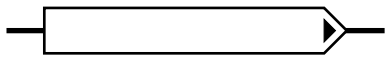
No.	Name	Symbol	Code	File
17	derailer left (backward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_left_backward};`	topology.tikz
18	derailer right (forward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_right_forward};`	topology.tikz
19	derailer right (backward)		`\draw[SideTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {derailer_right_backward};`	topology.tikz
20	bufferstop (forward)		`\draw[MainTrack] (-2.5,0) -- ++(2.5,0);` `\pic at (0,0) {bufferstop_forward};`	topology.tikz
21	bufferstop (backward)		`\draw[MainTrack] (0,0) -- ++(2.5,0);` `\pic at (0,0) {bufferstop_backward};`	topology.tikz

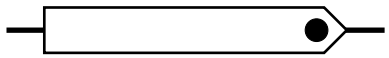
22	train (parked)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {train};`
			`\node[font=\sffamily] at (0,0) {label};`
				vehicles.tikz

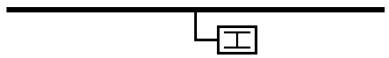
23	short train (parked)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-0.5,0) {train=1};`
			`% change the 1 to desired length`
				vehicles.tikz

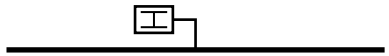
24	train (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_direction_forward};`	vehicles.tikz

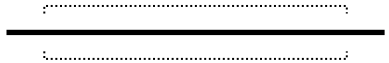
No.	Name	Symbol	Code	File
25	train (direction backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_direction_backward};`	vehicles.tikz
26	ghost train (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {ghost_train_direction_forward};`	vehicles.tikz
27	ghost train (direction backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {ghost_train_direction_backward};`	vehicles.tikz
28	train moving (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (2,0) {train_moving_forward};`	vehicles.tikz
29	train moving (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (-2,0) {train_moving_backward};`	vehicles.tikz

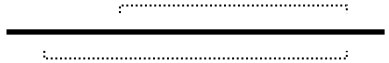
30	train drives automatic (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (2,0) {train_direction_forward}; % train`
			`\pic at (2,0) {train_automatic_forward}; % triangle`
				vehicles.tikz

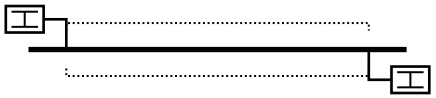
31	train drives by human (direction forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (2,0) {train_direction_forward}; % train`
			`\pic at (2,0) {train_human_forward}; % dot`
				vehicles.tikz

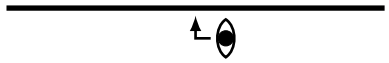
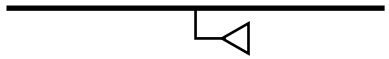
32	train berth sign (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {train_berth_sign_forward};`	trafficControl.tikz

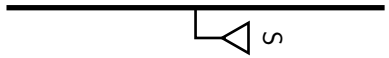
No.	Name	Symbol	Code	File
33	train berth sign (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {train_berth_sign_backward};`	trafficControl.tikz

34	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

35	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

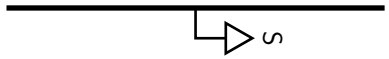
36	train berth		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {train_berth_sign_backward};`
			`\pic at (-2,0) {train_berth_shape};`
			`\pic at ( 2,0) {train_berth_sign_forward};`
				trafficControl.tikz

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

40	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
41	distant signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {distant_signal_backward};`	`trafficControl.tikz`

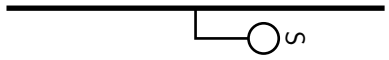
42	distant signal
	with speed indicator
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {distant_signal_backward=S};`
			`% replace the S with desired speed or remove`
				`trafficControl.tikz`

43	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`

44	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`

45	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`

46	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`

47	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`

48	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`

No.	Name	Symbol	Code	File
49	shunt signal (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_signal_forward};`	`trafficControl.tikz`
50	shunt signal (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_signal_backward};`	`trafficControl.tikz`
51	shunt limit (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_limit_forward};`	`trafficControl.tikz`
52	shunt limit (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {shunt_limit_backward};`	`trafficControl.tikz`

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

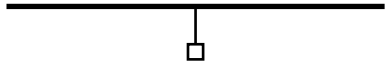
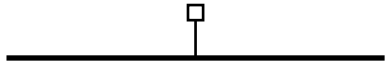
54	transmitter (below)
	with signal
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (0,0) {route_signal_forward};`
			`\pic at (0,0) {transmitter_below};`
				`trafficControl.tikz`

55	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`

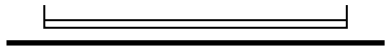
56	transmitter (below & above)
	effective backward
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {transmitter_below_backward};`
			`\pic at ( 1,0) {transmitter_above_backward};`
				`trafficControl.tikz`

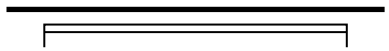
No.	Name	Symbol	Code	File

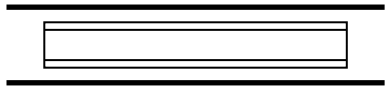
57	transmitter (below & above)
	effective bidirectional
			`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-1,0) {transmitter_below_bidirectional};`
			`\pic at ( 1,0) {transmitter_above_bidirectional};`
				`trafficControl.tikz`

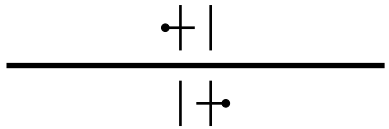
58	block end marker (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_end_marker_forward};`	`trafficControl.tikz`
59	block end marker (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_end_marker_backward};`	`trafficControl.tikz`
60	block clearing point (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_clearing_point_forward};`	`trafficControl.tikz`
61	block clearing point (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {block_clearing_point_backward};`	`trafficControl.tikz`
62	route clearing point (forward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {route_clearing_point_forward};`	`trafficControl.tikz`
63	route clearing point (backward)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {route_clearing_point_backward};`	`trafficControl.tikz`
64	clearing point		`\draw[MainTrack] (-2.5,0) -- ++(5,0);` `\pic at (0,0) {clearing_point};`	`trafficControl.tikz`

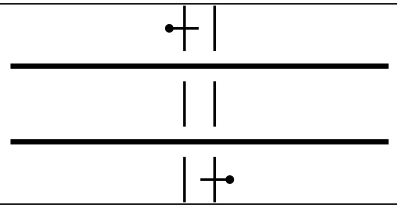
No.	Name	Symbol	Code	File

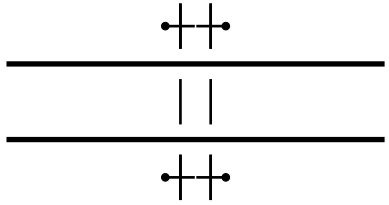
65	platform (left)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {platform_left=4};`
			`% change the 4 to desired length`
				constructions.tikz

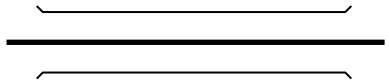
66	platform (right)		`\draw[MainTrack] (-2.5,0) -- ++(5,0);`
			`\pic at (-2,0) {platform_right=4};`
			`% change the 4 to desired length`
				constructions.tikz

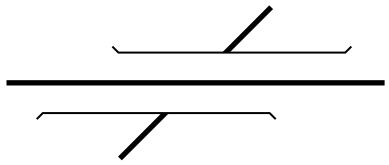
67	platform (middle)		`\draw[MainTrack] (-2.5, 0.5) -- ++(5,0);`
			`\draw[MainTrack] (-2.5,-0.5) -- ++(5,0);`
			`\pic at (-2, 0.5) {platform_right};`
			`\pic at (-2,-0.5) {platform_left};`
				constructions.tikz

68	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

69	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

70	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

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

72	bridge
	with track beneath
			`\draw[MainTrack] (-1,-1) -- ++(2,2);`
			`\fill[white] (-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