```
┌─────────────────────────────────┐
│  streets_vehicle_scheduler      │
│     ::vehicle_scheduler         │
├─────────────────────────────────┤
│ # intersection_info             │
├─────────────────────────────────┤
│ + vehicle_scheduler()           │
│ + ~vehicle_scheduler()          │
│ + schedule_vehicles()           │
│ + get_intersection_info()       │
│ + set_intersection_info()       │
│ # estimate_vehicles_at          │
│ _common_time()                  │
│ # get_entry_lanelet_info()      │
│ # get_link_lanelet_info()       │
└─────────────────────────────────┘
```

**streets_vehicle_scheduler ::all_stop_vehicle_scheduler**

- rdvs_previously_granted _access
- entering_time_buffer
- flexibility_limit

+ all_stop_vehicle_scheduler()
+ ~all_stop_vehicle_scheduler()
+ schedule_vehicles()
+ set_entering_time_buffer()
+ set_flexibility_limit()
- schedule_dvs()
- schedule_rdvs()
- is_rdv_previously_granted _access()
- remove_rdv_previously _granted_access()
- get_vehicle_with_id()
- schedule_evs()
- estimate_entering_time _for_ev()
- consider_departure _position_permutation()
- estimate_clearance _time()
- get_latest_conflicting()
- estimate_earliest_time _to_stop_bar()
- estimate_delta_x_prime()
- calculate_v_hat()
- calculate_acceleration _time()
- calculate_deceleration _time()
- calculate_cruising _time()

**streets_vehicle_scheduler ::signalized_vehicle_scheduler**

- spat_ptr
- initial_green_buffer
- final_green_buffer

+ signalized_vehicle _scheduler()
+ ~signalized_vehicle _scheduler()
+ schedule_vehicles()
+ set_initial_green_buffer()
+ get_initial_green_buffer()
+ set_final_green_buffer()
+ get_final_green_buffer()
+ get_spat()
+ set_spat()
- schedule_dvs()
- schedule_evs()
- estimate_et()
- calculate_earliest _entering_time()
- calculate_distance _accel_and_decel()
- calculate_distance _accel_or_decel()
- calculate_v_hat()
- calculate_acceleration _time()
- calculate_deceleration _time()
- calculate_cruising _time()
- calculate_min_headway()
- estimate_clearance _time()
- find_movement_state _for_lane()