

| CARS                            |               |  |
|---------------------------------|---------------|--|
| P * ID_CAR                      | INTEGER       |  |
| CAR_REG_NUM                     | VARCHAR2 (10) |  |
| SITS_QUAN                       | INTEGER       |  |
| SIGN_ACTIVE                     | INTEGER       |  |
| D_CREATE                        | DATE          |  |
| CARS_PK (ID_CAR)                |               |  |
| CARS_UK (CAR_REG_NUM)           |               |  |
| Справочник транспортных средств |               |  |

| AUTOS   |          |      |  |
|---|----------|------|--|
| P * ID_AUTO                                     | INTEGER  | PK   |  |
| F * ID_CAR                                      | INTEGER  | FK с |  |
| F * ID_DRIVER                                   | INTEGER  | FK д |  |
| R_WAITING                                       | SMALLINT | Ради |  |
| R_ROUTE   | SMALLINT | Ради |  |
| POSITION_LAT                                    | SMALLINT | Теку |  |
| POSITION_LNG                                    | SMALLINT | Теку |  |
| SIGN_ACTIVE                                     | INTEGER  | Приз |  |
| D_CREATE  | DATE     | Дата |  |
| AUTOS_PK (ID_AUTO)                              |          |      |  |
| AUTOS_CARS_FK (ID_CAR)                          |          |      |  |
| AUTOS_DRIVERS_FK (ID_DRIVER)                    |          |      |  |
| AUTOS_PK (ID_AUTO)                              |          |      |  |
| AUTOS_CAR_DRIVER_UK (ID_CAR, ID_D               |          |      |  |
| Список автомобилей готовых к выполнению заказов |          |      |  |

| DRIVERS                        |         |         |
|--------------------------------|---------|---------|
| PF * ID_DRIVER                 | INTEGER | PK      |
| SIGN_ACTIVE                    | INTEGER | Призна  |
| D_CREATE                       | DATE    | Дата со |
| DRIVERS_PK (ID_DRIVER)         |         |         |
| DRIVERS_PERSONS_FK (ID_DRIVER) |         |         |
| Справочник водителей           |         |         |

| PERSONS                |               |         |
|------------------------|---------------|---------|
| P * ID_PERSON          | INTEGER       | PK      |
| * PERSON_NAME          | VARCHAR2 (30) | Фамил   |
| FIRST_NAME             | VARCHAR2 (30) | Имя     |
| LAST_NAME              | VARCHAR2 (30) | Отчест  |
| * TEL_NUM              | VARCHAR2 (30) | Контак  |
| D_CREATE               | DATE          | Дата со |
| PERSONS_PK (ID_PERSON) |               |         |
| Справочник персон      |               |         |

| ORDERS                              |         |              |  |
|-------------------------------------|---------|--------------|--|
| P * ID_ORDER                        | INTEGER | PK           |  |
| F * ID_CUSTOMER                     | INTEGER | Заказчик     |  |
| F * ID_ROUTE                        | INTEGER | Маршрут сл   |  |
| F * ID_AUTO                         | INTEGER | Исполнитель  |  |
| F * ID_STATE                        | INTEGER | Состояние з  |  |
| F * ID_RESULT                       | INTEGER | Результат: з |  |
| * D_CREATE                          | DATE    | Дата создан  |  |
| ORDERS_PK (ID_ORDER)                |         |              |  |
| ORDERS_AUTOS_FK (ID_AUTO)           |         |              |  |
| ORDERS_ROUTES_FK (ID_ROUTE)         |         |              |  |
| ORDERS_PERSONS_FK (ID_CUSTOMER)     |         |              |  |
| ORDERS_ORDER_STATES_FK (ID_STATE)   |         |              |  |
| ORDERS_ORDER_RESULTS_FK (ID_RESULT) |         |              |  |
| Заказы                              |         |              |  |

| ROUTES                              |         |             |
|-------------------------------------|---------|-------------|
| P * ID_ROUTE                        | INTEGER | PK          |
| F * ID_SRC_POINT                    | INTEGER | Начальный п |
| F * ID_DST_POINT                    | INTEGER | Конечный пу |
| ROUTES_PK (ID_ROUTE)                |         |             |
| ROUTES_POINTS_SRC_FK (ID_SRC_POINT) |         |             |
| ROUTES_POINTS_DST_FK (ID_DST_POINT) |         |             |
| Маршрут следования                  |         |             |

| ORDER_STATES               |                |
|----------------------------|----------------|
| P * ID_STATE               | INTEGER        |
| STATE_NAME                 | VARCHAR2 (30)  |
| STATE_DESCR                | VARCHAR2 (100) |
| ORDER_STATES_PK (ID_STATE) |                |
| Состояния заказа           |                |

| POINTS                        |               |
|-------------------------------|---------------|
| P * ID_POINT                  | INTEGER       |
| F * ID_STREET                 | INTEGER       |
| HOUSE_NUM                     | VARCHAR2 (10) |
| POINT_LAT                     | SMALLINT      |
| POINT_LNG                     | SMALLINT      |
| POINTS_PK (ID_POINT)          |               |
| POINTS_STREETS_FK (ID_STREET) |               |
| Справочник пунктов назначений |               |

| STREETS                     |               |
|-----------------------------|---------------|
| P * ID_STREET               | INTEGER       |
| STREET_NAME                 | VARCHAR2 (50) |
| F * ID_CITY                 | INTEGER       |
| STREETS_PK (ID_STREET)      |               |
| STREETS_CITIES_FK (ID_CITY) |               |
| Справочник улиц             |               |

| CITIES                        |               |
|-------------------------------|---------------|
| P * ID_CITY                   | INTEGER       |
| CITY_NAME                     | VARCHAR2 (50) |
| CITIES_PK (ID_CITY)           |               |
| Справочник населённых пунктов |               |

| ORDER_RESULTS                |               |
|------------------------------|---------------|
| P * ID_RESULT                | INTEGER       |
| RESULT_NAME                  | VARCHAR2 (50) |
| ORDER_RESULTS_PK (ID_RESULT) |               |
| Результат исполнения заказа  |               |