Node 설명 및 예시

데이터 송수신 x :

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| --- |
| /apollo/control/pad, /apollo/drive/event, /apollo/hmi/audio\_capture, /apollo/localization/msf\_status, /apollo/navigation, /apollo/perception/lane\_mask, /apollo/planning/pad, /apollo/relative\_map, /apollo/routing\_request, /apollo/sensor/camera/obstacle/front\_6mm, /apollo/sensor/camera/traffic/image\_long, /apollo/sensor/camera/traffic/image\_long/compressed, /apollo/sensor/camera/traffic/image\_short, /apollo/sensor/camera/traffic/image\_short/compressed, /apollo/sensor/gnss/gnss\_status, /apollo/sensor/gnss/ins\_status, /apollo/sensor/mobileye, /apollo/sensor/velodyne16/compensator/PointCloud, /rosout, /rosout\_agg, /simulator/reset,  /simulator/sensor/segmentation\_camera/compressed, /tf\_static |

데이터 추출 x(type이 안맞다고 함) => 해결 필요

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| /simulator/sensor/camera/left/compressed, /simulator/sensor/camera/right/compressed |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| /apollo/canbus/chassis | /apollo/control | /apollo/localization/pose | /apollo/monitor | /apollo/monitor/static\_info | /apollo/monitor/system\_status | /apollo/perception/obstacles | /apollo/perception/traffic\_light | /apollo/planning | /apollo/routing\_response | /apollo/sensor/conti\_radar | /apollo/sensor/gnss/best\_pose | /apollo/sensor/gnss/corrected\_imu | /apollo/sensor/gnss/imu | /apollo/sensor/gnss/odometry | /tf |
| engine\_started: true  engine\_rpm: 2536.82299805  speed\_mps: 5.12330818176  odometer\_m: 0.0  fuel\_range\_m: 0  throttle\_percentage: 0.0  brake\_percentage: 18.5281295776  steering\_percentage: 0.695828616619  parking\_brake: false  high\_beam\_signal: false  low\_beam\_signal: false  left\_turn\_signal: false  right\_turn\_signal: false  wiper: false  driving\_mode: COMPLETE\_AUTO\_DRIVE  header {  timestamp\_sec: 1551784842.0  module\_name: "chassis"  sequence\_num: 0  }  chassis\_gps {  latitude: 37.7907214453  longitude: -122.399503346  gps\_valid: true  year: 2019  month: 3  day: 5  hours: 20  minutes: 20  seconds: 41  compass\_direction: 270.0  pdop: 0.1  is\_gps\_fault: false  is\_inferred: false  altitude: 0.0  heading: 271.025115967  hdop: 0.1  vdop: 0.1  quality: FIX\_3D  num\_satellites: 15  gps\_speed: 5.12330818176  } | header {  timestamp\_sec: 1551784842.84  module\_name: "control"  sequence\_num: 391  lidar\_timestamp: 0  camera\_timestamp: 0  radar\_timestamp: 0  status {  error\_code: OK  }  }  throttle: 18.0  brake: 0.0  steering\_rate: 100.0  steering\_target: 0.775122101133  gear\_location: GEAR\_DRIVE  debug {  simple\_lon\_debug {  station\_reference: 3.18873196778  station\_error: 6.08928533022  station\_error\_limited: 2.0  preview\_station\_error: 7.17494008814  speed\_reference: 5.32355722154  speed\_error: -0.872046371898  speed\_controller\_input\_limited: -0.472046371898  preview\_speed\_reference: 5.53216475389  preview\_speed\_error: -0.663438839549  preview\_acceleration\_reference: 1.02990190945  acceleration\_cmd\_closeloop: -0.708689570189  acceleration\_cmd: 0.321212339263  acceleration\_lookup: 0.321212339263  speed\_lookup: 6.19558286667  calibration\_value: 4.99412029421  throttle\_cmd: 18.0  brake\_cmd: 0.0  is\_full\_stop: false  slope\_offset\_compensation: 0.0012534831956  current\_station: -2.90055336244  path\_remain: 41.4606792174  }  simple\_lat\_debug {  lateral\_error: -0.0140567585286  ref\_heading: -2.3720192007  heading: -2.37322587092  heading\_error: -0.00120667021419  heading\_error\_rate: -0.00519477716164  lateral\_error\_rate: -0.00747602349048  curvature: -0.000148309817314  steer\_angle: 0.775122101133  steer\_angle\_feedforward: -0.0403984582949  steer\_angle\_lateral\_contribution: 0.497933996256  steer\_angle\_lateral\_rate\_contribution: 0.0108594053904  steer\_angle\_heading\_contribution: 0.262766136747  steer\_angle\_heading\_rate\_contribution: 0.0440096209319  steer\_angle\_feedback: 0.815569159325  steering\_position: -0.089457757771  ref\_speed: 6.19558286667  steer\_angle\_limited: 0.775122101133  }  input\_debug {  localization\_header {  timestamp\_sec: 1551784842.81  module\_name: "localization"  sequence\_num: 9902  }  canbus\_header {  timestamp\_sec: 1551784841.0  module\_name: "chassis"  sequence\_num: 0  }  trajectory\_header {  timestamp\_sec: 1551784842.25  module\_name: "std\_planning"  sequence\_num: 930  lidar\_timestamp: 0  camera\_timestamp: 0  radar\_timestamp: 0  }  }  }  signal {  turn\_signal: TURN\_NONE  }  latency\_stats {  total\_time\_ms: 18.3870792389  controller\_time\_ms: 0.119209289551  controller\_time\_ms: 18.0189609528  total\_time\_exceeded: false  }  engage\_advice {  advice: READY\_TO\_ENGAGE  } | header {  timestamp\_sec: 1551784841.93  module\_name: "localization"  sequence\_num: 9813  }  pose {  position {  x: 552873.141037  y: 4182766.70679  z: 10.1238040924  }  orientation {  qx: -0.000323303422192  qy: 0.000815817154944  qz: 0.920587062836  qw: 0.390536427498  }  linear\_velocity {  x: -6.19401931763  y: 0.139211624861  z: 0.00012568384409  }  linear\_acceleration {  x: 1.10996984434  y: -1.27253139942  z: -9.75978325506  }  angular\_velocity {  x: -0.0043677779987  y: 0.00567089976961  z: -0.0024595711077  }  heading: -2.37322587092  linear\_acceleration\_vrf {  x: -1.67436599731  y: 0.0740453600883  z: -9.76195441931  }  angular\_velocity\_vrf {  x: 0.00711610494182  y: -0.000803495408036  z: -0.0024498004932  }  euler\_angles {  x: 2.16947784683e-05  y: -6.28168967593  z: 4.73462104918  }  }  measurement\_time: 1551784841.11 | header {  timestamp\_sec: 1551784926.96  module\_name: "monitor"  sequence\_num: 1139  }  item {  source: MONITOR  msg: "Hardware GPS triggers safety mode: No GNSS status message."  log\_level: ERROR  } | vehicle {  name: "LG SVL 1080"  }  environment {  map\_name: "San Francisco"  }  hardware {  configs {  key: "/home/tmp/ros/share/velodyne\_pointcloud/params/64E\_S3\_calibration\_example.yaml"  value: "lasers:\n- {dist\_correction: 1.3280478, dist\_correction\_x: 1.3733278999999998, dist\_correction\_y: 1.3565268000000001,\n focal\_distance: 12.0, focal\_slope: 0.75, horiz\_offset\_correction: 0.025999999, laser\_id: 0,\n min\_intensity: 5, rot\_correction: -0.08042396035379652, vert\_correction: -0.12376696608832838,\n vert\_offset\_correction: 0.21551828}\n- {dist\_correction: 1.4387065, dist\_correction\_x: 1.4772083, dist\_correction\_y: 1.4930743000000002,\n focal\_distance: 18.5, focal\_slope: 1.1, horiz\_offset\_correction: -0.025999999, laser\_id: 1,\n min\_intensity: 40, rot\_correction: -0.043931143295210404, vert\_correction: -0.11852979325378328,\n vert\_offset\_correction: 0.21513613}\n- {dist\_correction: 1.4198532000000001, dist\_correction\_x: 1.4513388, dist\_correction\_y: 1.4459473,\n focal\_distance: 17.0, focal\_slope: 1.25, horiz\_offset\_correction: 0.025999999, laser\_id: 2,\n min\_intensity: 40, rot\_correction: 0.05671893510512383, vert\_correction: 0.006831742116548479,\n vert\_offset\_correction: 0.20608189}\n- {dist\_correction: 1.432045, dist\_correction\_x: 1.4576363, dist\_correction\_y: 1.5053079,\n focal\_distance: 24.0, focal\_slope: 0.94999999, horiz\_offset\_correction: -0.025999999,\n laser\_id: 3, min\_intensity: 40, rot\_correction: 0.09507418428186684, vert\_correction: 0.011737269755557637,\n vert\_offset\_correction: 0.2057291}\n- {dist\_correction: 1.3768561, dist\_correction\_x: 1.4095345000000001, dist\_correction\_y: 1.4140973,\n focal\_distance: 24.0, focal\_slope: 0.60000002, horiz\_offset\_correction: 0.025999999,\n laser\_id: 4, min\_intensity: 40, rot\_correction: -0.0052020566354620415, vert\_correction: -0.11207511538496126,\n vert\_offset\_correction: 0.21466578}\n- {dist\_correction: 1.4579066, dist\_correction\_x: 1.5030013, dist\_correction\_y: 1.5402745,\n focal\_distance: 23.0, focal\_slope: 0.80000001, horiz\_offset\_correction: -0.025999999,\n laser\_id: 5, min\_intensity: 40, rot\_correction: 0.034271327080062704, vert\_correction: -0.10662164389621649,\n vert\_offset\_correction: 0.21426891}\n- {dist\_correction: 1.4042904999999999, dist\_correction\_x: 1.4512584000000002, dist\_correction\_y: 1.4358795000000002,\n focal\_distance: 24.0, focal\_slope: 0.80000001, horiz\_offset\_correction: 0.025999999,\n laser\_id: 6, min\_intensity: 40, rot\_correction: -0.019350118096339984, vert\_correction: -0.14744596324186607,\n vert\_offset\_correction: 0.21725271}\n- {dist\_correction: 1.4530759, dist\_correction\_x: 1.4934110999999999, dist\_correction\_y: 1.4934732,\n focal\_distance: 16.5, focal\_slope: 0.80000001, horiz\_offset\_correction: -0.025999999,\n laser\_id: 7, min\_intensity: 40, rot\_correction: 0.019696635766030937, vert\_correction: -0.1420415773930044,\n vert\_offset\_correction: 0.21685585}\n- {dist\_correction: 1.3928452999999998, dist\_correction\_x: 1.4412779, dist\_correction\_y: 1.4351759000000002,\n focal\_distance: 24.0, focal\_slope: 0.64999998, horiz\_offset\_correction: 0.025999999,\n laser\_id: 8, min\_intensity: 10, rot\_correction: 0.06977400140069993, vert\_correction: -0.10055477120587059,\n vert\_offset\_correction: 0.21382797}\n- {dist\_correction: 1.4649026, dist\_correction\_x: 1.4811482, dist\_correction\_y: 1.5390858,\n focal\_distance: 16.5, focal\_slope: 1.2, horiz\_offset\_correction: -0.025999999, laser\_id: 9,\n min\_intensity: 40, rot\_correction: 0.10867481606700684, vert\_correction: -0.09508820800240662,\n vert\_offset\_correction: 0.21343111}\n- {dist\_correction: 1.3307669000000002, dist\_correction\_x: 1.3797191000000002, dist\_correction\_y: 1.3716772000000002,\n focal\_distance: 24.0, focal\_slope: 0.85000002, horiz\_offset\_correction: 0.025999999,\n laser\_id: 10, min\_intensity: 40, rot\_correction: 0.05614793318704137, vert\_correction: -0.13622757149534595,\n vert\_offset\_correction: 0.2164296}\n- {dist\_correction: 1.3771700999999998, dist\_correction\_x: 1.4101131, dist\_correction\_y: 1.4538571,\n focal\_distance: 15.0, focal\_slope: 1.35, horiz\_offset\_correction: -0.025999999,\n laser\_id: 11, min\_intensity: 40, rot\_correction: 0.09458836664858647, vert\_correction: -0.13060523940147076,\n vert\_offset\_correction: 0.21601805}\n- {dist\_correction: 1.3797005, dist\_correction\_x: 1.4142267000000002, dist\_correction\_y: 1.4085233,\n focal\_distance: 10.0, focal\_slope: 1.2, horiz\_offset\_correction: 0.025999999, laser\_id: 12,\n min\_intensity: 10, rot\_correction: -0.08058553944528767, vert\_correction: -0.05321597901122562,\n vert\_offset\_correction: 0.21040320999999998}\n- {dist\_correction: 1.3646324, dist\_correction\_x: 1.3887102, dist\_correction\_y: 1.4070561000000001,\n focal\_distance: 24.0, focal\_slope: 1.1, horiz\_offset\_correction: -0.025999999, laser\_id: 13,\n min\_intensity: 40, rot\_correction: -0.04053784798354424, vert\_correction: -0.04669103069605979,\n vert\_offset\_correction: 0.20993286000000003}\n- {dist\_correction: 1.3809781, dist\_correction\_x: 1.4282532000000001, dist\_correction\_y: 1.4207353,\n focal\_distance: 15.0, focal\_slope: 1.3, horiz\_offset\_correction: 0.025999999, laser\_id: 14,\n min\_intensity: 40, rot\_correction: -0.09419900463641756, vert\_correction: -0.08758781436692292,\n vert\_offset\_correction: 0.21288727000000002}\n- {dist\_correction: 1.3950202999999999, dist\_correction\_x: 1.4285829, dist\_correction\_y: 1.4621552,\n focal\_distance: 24.0, focal\_slope: 1.1, horiz\_offset\_correction: -0.025999999, laser\_id: 15,\n min\_intensity: 40, rot\_correction: -0.054354701628396805, vert\_correction: -0.08292035016148458,\n vert\_offset\_correction: 0.21254919000000003}\n- {dist\_correction: 1.2988774, dist\_correction\_x: 1.3749954, dist\_correction\_y: 1.3734656,\n focal\_distance: 24.0, focal\_slope: 0.64999998, horiz\_offset\_correction: 0.025999999,\n laser\_id: 16, min\_intensity: 40, rot\_correction: -0.005133124856654525, vert\_correction: -0.04077432787988471,\n vert\_offset\_correction: 0.20950663}\n- {dist\_correction: 1.4723137, dist\_correction\_x: 1.5056056000000002, dist\_correction\_y: 1.5041873000000001,\n focal\_distance: 24.0, focal\_slope: 1.0, horiz\_offset\_correction: -0.025999999, laser\_id: 17,\n min\_intensity: 20, rot\_correction: 0.033464606229193644, vert\_correction: -0.03526310344619148,\n vert\_offset\_correction: 0.20910976000000003}\n- {dist\_correction: 1.3093359000000002, dist\_correction\_x: 1.4065028000000002, dist\_correction\_y: 1.3988147000000002,\n focal\_distance: 24.0, focal\_slope: 1.1, horiz\_offset\_correction: 0.025999999, laser\_id: 18,\n min\_intensity: 20, rot\_correction: -0.01912024950720607, vert\_correction: -0.07662373803636939,\n vert\_offset\_correction: 0.21209354000000002}\n- {dist\_correction: 1.4292241, dist\_correction\_x: 1.4580751, dist\_correction\_y: 1.4810971000000002,\n focal\_distance: 24.0, focal\_slope: 1.2, horiz\_offset\_correction: -0.025999999, laser\_id: 19,\n min\_intensity: 15, rot\_correction: 0.0202102704569296, vert\_correction: -0.07052442491121666,\n vert\_offset\_correction: 0.21165258}\n- {dist\_correction: 1.3831145, dist\_correction\_x: 1.4038123999999998, dist\_correction\_y: 1.3966234,\n focal\_distance: 24.0, focal\_slope: 1.1, horiz\_offset\_correction: 0.025999999, laser\_id: 20,\n min\_intensity: 30, rot\_correction: 0.06874179273711946, vert\_correction: -0.029137015224983895,\n vert\_offset\_correction: 0.2086688}\n- {dist\_correction: 1.402925, dist\_correction\_x: 1.4443744, dist\_correction\_y: 1.471532,\n focal\_distance: 17.0, focal\_slope: 1.4, horiz\_offset\_correction: -0.025999999, laser\_id: 21,\n min\_intensity: 5, rot\_correction: 0.10747970535236223, vert\_correction: -0.02341734437339572,\n vert\_offset\_correction: 0.20825726}\n- {dist\_correction: 1.4234489, dist\_correction\_x: 1.4673076, dist\_correction\_y: 1.4543761000000002,\n focal\_distance: 24.0, focal\_slope: 0.55000001, horiz\_offset\_correction: 0.025999999,\n laser\_id: 22, min\_intensity: 5, rot\_correction: 0.05514045060297391, vert\_correction: -0.0642162831410628,\n vert\_offset\_correction: 0.21119694}\n- {dist\_correction: 1.470387, dist\_correction\_x: 1.4879053, dist\_correction\_y: 1.5217740000000002,\n focal\_distance: 24.0, focal\_slope: 1.3, horiz\_offset\_correction: -0.025999999, laser\_id: 23,\n min\_intensity: 30, rot\_correction: 0.09433926976708334, vert\_correction: -0.05892161916095702,\n vert\_offset\_correction: 0.21081478}\n- {dist\_correction: 1.3722501, dist\_correction\_x: 1.4119496, dist\_correction\_y: 1.4214716,\n focal\_distance: 24.0, focal\_slope: 1.0, horiz\_offset\_correction: 0.025999999, laser\_id: 24,\n min\_intensity: 20, rot\_correction: -0.08011834622045531, vert\_correction: 0.01868575851656834,\n vert\_offset\_correction: 0.20522938000000002}\n- {dist\_correction: 1.4577922, dist\_correction\_x: 1.4821321, dist\_correction\_y: 1.4774638,\n focal\_distance: 20.0, focal\_slope: 0.69999999, horiz\_offset\_correction: -0.025999999,\n laser\_id: 25, min\_intensity: 10, rot\_correction: -0.0415592740030059, vert\_correction: 0.023180922072920565,\n vert\_offset\_correction: 0.20490601000000003}\n- {dist\_correction: 1.4175369, dist\_correction\_x: 1.4441992, dist\_correction\_y: 1.4484555000000001,\n focal\_distance: 12.0, focal\_slope: 1.5, horiz\_offset\_correction: 0.025999999, laser\_id: 26,\n min\_intensity: 20, rot\_correction: -0.09469728915654493, vert\_correction: -0.01647002637924725,\n vert\_offset\_correction: 0.20775749000000002}\n- {dist\_correction: 1.4383292, dist\_correction\_x: 1.4573476, dist\_correction\_y: 1.4790007,\n focal\_distance: 7.0, focal\_slope: 1.3, horiz\_offset\_correction: -0.025999999, laser\_id: 27,\n min\_intensity: 10, rot\_correction: -0.055555304894197445, vert\_correction: -0.011156249123969949,\n vert\_offset\_correction: 0.20737534000000002}\n- {dist\_correction: 1.3976639, dist\_correction\_x: 1.434787, dist\_correction\_y: 1.4289362,\n focal\_distance: 24.0, focal\_slope: 0.85000002, horiz\_offset\_correction: 0.025999999,\n laser\_id: 28, min\_intensity: 40, rot\_correction: -0.0056653665027087, vert\_correction: 0.030126075858796564,\n vert\_offset\_correction: 0.20440624}\n- {dist\_correction: 1.5147818000000002, dist\_correction\_x: 1.5457281, dist\_correction\_y: 1.5337862000000002,\n focal\_distance: 16.0, focal\_slope: 1.4, horiz\_offset\_correction: -0.025999999, laser\_id: 29,\n min\_intensity: 10, rot\_correction: 0.032454556265796485, vert\_correction: 0.03461850099355241,\n vert\_offset\_correction: 0.20408289000000002}\n- {dist\_correction: 1.4410570999999999, dist\_correction\_x: 1.4812628, dist\_correction\_y: 1.4802063,\n focal\_distance: 24.0, focal\_slope: 1.1, horiz\_offset\_correction: 0.025999999, laser\_id: 30,\n min\_intensity: 20, rot\_correction: -0.019155442326243284, vert\_correction: -0.004819796717085346,\n vert\_offset\_correction: 0.20691969000000002}\n- {dist\_correction: 1.5121419, dist\_correction\_x: 1.525024, dist\_correction\_y: 1.5161595,\n focal\_distance: 19.5, focal\_slope: 1.15, horiz\_offset\_correction: -0.025999999,\n laser\_id: 31, rot\_correction: 0.019031284839244163, vert\_correction: 0.0006993883727657528,\n vert\_offset\_correction: 0.20652283000000002}\n- {dist\_correction: 1.4162563000000001, dist\_correction\_x: 1.4498225, dist\_correction\_y: 1.4345399,\n focal\_distance: 8.5, focal\_slope: 1.65, horiz\_offset\_correction: 0.025999999, laser\_id: 32,\n rot\_correction: -0.1322630822793796, vert\_correction: -0.39265743814277154, vert\_offset\_correction: 0.1598857}\n- {dist\_correction: 1.3670056, dist\_correction\_x: 1.3952693, dist\_correction\_y: 1.4121672,\n focal\_distance: 0.25, focal\_slope: 1.05, horiz\_offset\_correction: -0.025999999,\n laser\_id: 33, rot\_correction: -0.07110342218260252, vert\_correction: -0.38671040324952605,\n vert\_offset\_correction: 0.15945383}\n- {dist\_correction: 1.4511356000000002, dist\_correction\_x: 1.4689107000000001, dist\_correction\_y: 1.4972537,\n focal\_distance: 4.0, focal\_slope: 0.64999998, horiz\_offset\_correction: 0.025999999,\n laser\_id: 34, rot\_correction: 0.08401589158763215, vert\_correction: -0.1973354249839361,\n vert\_offset\_correction: 0.14657393000000002}\n- {dist\_correction: 1.3593520000000001, dist\_correction\_x: 1.3602931, dist\_correction\_y: 1.3982458,\n focal\_distance: 10.0, focal\_slope: 1.75, horiz\_offset\_correction: -0.025999999,\n laser\_id: 35, rot\_correction: 0.14363965670666648, vert\_correction: -0.19024942312742418,\n vert\_offset\_correction: 0.14611665000000001}\n- {dist\_correction: 1.4114377, dist\_correction\_x: 1.4772849, dist\_correction\_y: 1.4348904,\n focal\_distance: 17.0, focal\_slope: 0.69999999, horiz\_offset\_correction: 0.025999999,\n laser\_id: 36, rot\_correction: -0.011690171347560868, vert\_correction: -0.376852242582194,\n vert\_offset\_correction: 0.15874252}\n- {dist\_correction: 1.307847, dist\_correction\_x: 1.3645581000000002, dist\_correction\_y: 1.376617,\n focal\_distance: 6.0, focal\_slope: 1.3, horiz\_offset\_correction: -0.025999999, laser\_id: 37,\n rot\_correction: 0.049492148009829026, vert\_correction: -0.3699409132772216, vert\_offset\_correction: 0.15824712999999999}\n- {dist\_correction: 1.4213585, dist\_correction\_x: 1.4421179000000002, dist\_correction\_y: 1.4552965,\n focal\_distance: 0.25, focal\_slope: 0.94999999, horiz\_offset\_correction: 0.025999999,\n laser\_id: 38, rot\_correction: -0.03418474478652977, vert\_correction: -0.4311006362058518,\n vert\_offset\_correction: 0.16273095999999998}\n- {dist\_correction: 1.3356409, dist\_correction\_x: 1.3397028, dist\_correction\_y: 1.3601659000000001,\n focal\_distance: 0.25, focal\_slope: 1.05, horiz\_offset\_correction: -0.025999999,\n laser\_id: 39, rot\_correction: 0.026626332916051272, vert\_correction: -0.4231418824568801,\n vert\_offset\_correction: 0.16213396}\n- {dist\_correction: 1.3662766, dist\_correction\_x: 1.4298528, dist\_correction\_y: 1.4232704,\n focal\_distance: 0.25, focal\_slope: 0.85000002, horiz\_offset\_correction: 0.025999999,\n laser\_id: 40, rot\_correction: 0.1092471200007113, vert\_correction: -0.35798081768512774,\n vert\_offset\_correction: 0.15739609}\n- {dist\_correction: 1.2853244000000001, dist\_correction\_x: 1.3026004, dist\_correction\_y: 1.3116373,\n focal\_distance: 8.0, focal\_slope: 1.5, horiz\_offset\_correction: -0.025999999, laser\_id: 41,\n rot\_correction: 0.16893982038921165, vert\_correction: -0.3493458884773484, vert\_offset\_correction: 0.1567864}\n- {dist\_correction: 1.4113557, dist\_correction\_x: 1.4361624000000002, dist\_correction\_y: 1.4260374,\n focal\_distance: 0.25, focal\_slope: 1.05, horiz\_offset\_correction: 0.025999999, laser\_id: 42,\n rot\_correction: 0.08876389924739155, vert\_correction: -0.41221208962882355, vert\_offset\_correction: 0.16132105}\n- {dist\_correction: 1.3126003, dist\_correction\_x: 1.3216837000000001, dist\_correction\_y: 1.3253735,\n focal\_distance: 0.25, focal\_slope: 1.15, horiz\_offset\_correction: -0.025999999,\n laser\_id: 43, rot\_correction: 0.15014050027953305, vert\_correction: -0.40135006793562183,\n vert\_offset\_correction: 0.1605208}\n- {dist\_correction: 1.4849261000000002, dist\_correction\_x: 1.5387573, dist\_correction\_y: 1.5140117000000002,\n focal\_distance: 8.0, focal\_slope: 1.45, horiz\_offset\_correction: 0.025999999, laser\_id: 44,\n rot\_correction: -0.1289198918798797, vert\_correction: -0.285349621541792, vert\_offset\_correction: 0.15237877}\n- {dist\_correction: 1.3467159000000002, dist\_correction\_x: 1.385616, dist\_correction\_y: 1.398739,\n focal\_distance: 4.0, focal\_slope: 0.75, horiz\_offset\_correction: -0.025999999, laser\_id: 45,\n rot\_correction: -0.06875650237205527, vert\_correction: -0.27837142867317577, vert\_offset\_correction: 0.1519088}\n- {dist\_correction: 1.4548677, dist\_correction\_x: 1.5237317, dist\_correction\_y: 1.4852321000000002,\n focal\_distance: 8.0, focal\_slope: 1.55, horiz\_offset\_correction: 0.025999999, laser\_id: 46,\n rot\_correction: -0.15456063213134205, vert\_correction: -0.3373837683033222, vert\_offset\_correction: 0.15594806}\n- {dist\_correction: 1.2609565999999999, dist\_correction\_x: 1.3084103, dist\_correction\_y: 1.3194104,\n focal\_distance: 0.25, focal\_slope: 0.85000002, horiz\_offset\_correction: -0.025999999,\n laser\_id: 47, rot\_correction: -0.0921635423215472, vert\_correction: -0.329718648747706,\n vert\_offset\_correction: 0.15541457}\n- {dist\_correction: 1.2807050000000002, dist\_correction\_x: 1.3367023, dist\_correction\_y: 1.3303235000000002,\n focal\_distance: 24.0, focal\_slope: 0.40000001, horiz\_offset\_correction: 0.025999999,\n laser\_id: 48, rot\_correction: -0.01087391977724544, vert\_correction: -0.2702265530127714,\n vert\_offset\_correction: 0.15136261}\n- {dist\_correction: 1.3420832999999999, dist\_correction\_x: 1.3902283, dist\_correction\_y: 1.3959544,\n focal\_distance: 15.0, focal\_slope: 0.69999999, horiz\_offset\_correction: -0.025999999,\n laser\_id: 49, rot\_correction: 0.04819382026855073, vert\_correction: -0.2603276912672828,\n vert\_offset\_correction: 0.1507021}\n- {dist\_correction: 1.4451799, dist\_correction\_x: 1.5144832, dist\_correction\_y: 1.4737889000000002,\n focal\_distance: 20.0, focal\_slope: 0.5, horiz\_offset\_correction: 0.025999999, laser\_id: 50,\n rot\_correction: -0.033916384706072375, vert\_correction: -0.3244024456593014, vert\_offset\_correction: 0.15504621000000002}\n- {dist\_correction: 1.2771001, dist\_correction\_x: 1.3374065, dist\_correction\_y: 1.339816,\n focal\_distance: 8.0, focal\_slope: 1.3, horiz\_offset\_correction: -0.025999999, laser\_id: 51,\n rot\_correction: 0.027376620290886354, vert\_correction: -0.3166693629826125, vert\_offset\_correction: 0.15451272}\n- {dist\_correction: 1.3977615, dist\_correction\_x: 1.4442108, dist\_correction\_y: 1.4371663000000001,\n focal\_distance: 0.25, focal\_slope: 0.44999999, horiz\_offset\_correction: 0.025999999,\n laser\_id: 52, rot\_correction: 0.10492072454703917, vert\_correction: -0.25133544080174264,\n vert\_offset\_correction: 0.1501051}\n- {dist\_correction: 1.3425783999999998, dist\_correction\_x: 1.3483524, dist\_correction\_y: 1.3818097,\n focal\_distance: 11.0, focal\_slope: 1.9, horiz\_offset\_correction: -0.025999999, laser\_id: 53,\n rot\_correction: 0.16284451104936298, vert\_correction: -0.23979553322706634, vert\_offset\_correction: 0.14934298000000001}\n- {dist\_correction: 1.4382911999999999, dist\_correction\_x: 1.4900905, dist\_correction\_y: 1.4804431,\n focal\_distance: 8.0, focal\_slope: 0.40000001, horiz\_offset\_correction: 0.025999999,\n laser\_id: 54, rot\_correction: 0.08525729890601516, vert\_correction: -0.30499605989320633,\n vert\_offset\_correction: 0.15371249}\n- {dist\_correction: 1.2974651, dist\_correction\_x: 1.3356235, dist\_correction\_y: 1.342494,\n focal\_distance: 11.0, focal\_slope: 2.0, horiz\_offset\_correction: -0.025999999, laser\_id: 55,\n rot\_correction: 0.14474094026605314, vert\_correction: -0.29379823685192097, vert\_offset\_correction: 0.15295037}\n- {dist\_correction: 1.500197, dist\_correction\_x: 1.5058761999999999, dist\_correction\_y: 1.5183740000000001,\n focal\_distance: 6.0, focal\_slope: 1.4, horiz\_offset\_correction: 0.025999999, laser\_id: 56,\n rot\_correction: -0.1271355405564693, vert\_correction: -0.1783966652843279, vert\_offset\_correction: 0.14535453}\n- {dist\_correction: 1.3739523, dist\_correction\_x: 1.3909152, dist\_correction\_y: 1.4026927,\n focal\_distance: 0.25, focal\_slope: 0.94999999, horiz\_offset\_correction: -0.025999999,\n laser\_id: 57, rot\_correction: -0.06914267741301003, vert\_correction: -0.17006926832673774,\n vert\_offset\_correction: 0.14482104}\n- {dist\_correction: 1.5294423000000001, dist\_correction\_x: 1.5526985, dist\_correction\_y: 1.5286189,\n focal\_distance: 10.0, focal\_slope: 1.6, horiz\_offset\_correction: 0.025999999, laser\_id: 58,\n rot\_correction: -0.14952992127533238, vert\_correction: -0.23167847811493877, vert\_offset\_correction: 0.14880949}\n- {dist\_correction: 1.356432, dist\_correction\_x: 1.3750079, dist\_correction\_y: 1.3956981,\n focal\_distance: 0.25, focal\_slope: 0.5, horiz\_offset\_correction: -0.025999999, laser\_id: 59,\n rot\_correction: -0.08941942047983109, vert\_correction: -0.22430756871133128, vert\_offset\_correction: 0.14832681}\n- {dist\_correction: 1.4812624, dist\_correction\_x: 1.5439316, dist\_correction\_y: 1.5051659000000002,\n focal\_distance: 0.25, focal\_slope: 0.69999999, horiz\_offset\_correction: 0.025999999,\n laser\_id: 60, rot\_correction: -0.012020974421732715, vert\_correction: -0.16291245497181386,\n vert\_offset\_correction: 0.14436376}\n- {dist\_correction: 1.3555016, dist\_correction\_x: 1.3739404, dist\_correction\_y: 1.3961284,\n focal\_distance: 0.25, focal\_slope: 1.1, horiz\_offset\_correction: -0.025999999, laser\_id: 61,\n rot\_correction: 0.045806682836049765, vert\_correction: -0.154741111393303, vert\_offset\_correction: 0.14384298}\n- {dist\_correction: 1.5067404, dist\_correction\_x: 1.5184990999999999, dist\_correction\_y: 1.5367628,\n focal\_distance: 5.0, focal\_slope: 0.40000001, horiz\_offset\_correction: 0.025999999,\n laser\_id: 62, rot\_correction: -0.03255746436915258, vert\_correction: -0.21418087168528735,\n vert\_offset\_correction: 0.1476663}\n- {dist\_correction: 1.3463322, dist\_correction\_x: 1.356904, dist\_correction\_y: 1.3849588,\n focal\_distance: 8.0, focal\_slope: 0.40000001, horiz\_offset\_correction: -0.025999999,\n laser\_id: 63, rot\_correction: 0.02613443455565695, vert\_correction: -0.2063605225459988,\n vert\_offset\_correction: 0.14715822}\nnum\_lasers: 64\n"  }  configs {  key: "/home/tmp/ros/share/velodyne\_pointcloud/params/VLP16\_calibration.yaml"  value: "lasers:\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 0, rot\_correction: 0.0,\n vert\_correction: -0.2617993877991494, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 1, rot\_correction: 0.0,\n vert\_correction: 0.017453292519943295, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 2, rot\_correction: 0.0,\n vert\_correction: -0.22689280275926285, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 3, rot\_correction: 0.0,\n vert\_correction: 0.05235987755982989, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 4, rot\_correction: 0.0,\n vert\_correction: -0.19198621771937624, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 5, rot\_correction: 0.0,\n vert\_correction: 0.08726646259971647, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 6, rot\_correction: 0.0,\n vert\_correction: -0.15707963267948966, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 7, rot\_correction: 0.0,\n vert\_correction: 0.12217304763960307, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 8, rot\_correction: 0.0,\n vert\_correction: -0.12217304763960307, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 9, rot\_correction: 0.0,\n vert\_correction: 0.15707963267948966, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 10, rot\_correction: 0.0,\n vert\_correction: -0.08726646259971647, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 11, rot\_correction: 0.0,\n vert\_correction: 0.19198621771937624, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 12, rot\_correction: 0.0,\n vert\_correction: -0.05235987755982989, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 13, rot\_correction: 0.0,\n vert\_correction: 0.22689280275926285, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 14, rot\_correction: 0.0,\n vert\_correction: -0.017453292519943295, vert\_offset\_correction: 0.0}\n- {dist\_correction: 0.0, dist\_correction\_x: 0.0, dist\_correction\_y: 0.0, focal\_distance: 0.0,\n focal\_slope: 0.0, horiz\_offset\_correction: 0.0, laser\_id: 15, rot\_correction: 0.0,\n vert\_correction: 0.2617993877991494, vert\_offset\_correction: 0.0}\nnum\_lasers: 16\n\n"  }  configs {  key: "/home/tmp/ros/share/velodyne\_pointcloud/params/velodyne16\_novatel\_extrinsics\_example.yaml"  value: "# proj: +proj=utm +zone=50 +ellps=WGS84\n# scale:1.11177\n# (XXX) Manually adjusted\nheader:\n stamp:\n secs: 1422601952\n nsecs: 288805456\n seq: 0\n frame\_id: novatel\ntransform:\n translation:\n x: -0.1941689746184177\n y: 1.438544324620427\n z: 0\n rotation:\n x: -0.00971305\n y: 0.00327669\n z: 0.7157\n w: 0.698332\nchild\_frame\_id: velodyne16\n"  }  configs {  key: "/home/tmp/ros/share/velodyne\_pointcloud/params/velodyne64\_novatel\_extrinsics\_example.yaml"  value: "header:\n seq: 0\n stamp:\n secs: 0\n nsecs: 0\n frame\_id: novatel\nchild\_frame\_id: velodyne64\ntransform:\n translation:\n x: 0\n y: 0.9820799\n z: 1.975314\n rotation:\n x: 0\n y: 0\n z: 0\n w: 1"  }  configs {  key: "modules/localization/msf/params/gnss\_params/ant\_imu\_leverarm.yaml"  value: "#carid:mkz058\r\n#set primary if single-antenna;set both primary and secondary if dual-antenna.\r\nleverarm:\r\n primary:\r\n offset:\r\n x: 0.00\r\n y: 1.10866\r\n z: 1.14165\r\n uncertainty:\r\n x: 0.05\r\n y: 0.05\r\n z: 0.08\r\n secondary:\r\n offset:\r\n x: 0.00\r\n y: 1.10866\r\n z: 1.14165\r\n uncertainty:\r\n x: 0.05\r\n y: 0.05\r\n z: 0.08\r\n"  }  configs {  key: "modules/perception/data/params/long\_camera\_extrinsics.yaml"  value: "header:\n seq: 0\n stamp:\n secs: 0\n nsecs: 0\n frame\_id: short\_camera\nchild\_frame\_id: long\_camera\ntransform:\n translation:\n x: 0\n y: 0\n z: 0\n rotation:\n x: -0.03489945\n y: 0\n z: 0\n w: -0.9993908"  }  configs {  key: "modules/perception/data/params/short\_camera\_extrinsics.yaml"  value: "header:\n seq: 0\n stamp:\n secs: 0\n nsecs: 0\n frame\_id: velodyne64\nchild\_frame\_id: short\_camera\ntransform:\n translation:\n x: 0\n y: 0.1679201\n z: -0.2753141\n rotation:\n x: 0.7071068\n y: 0\n z: 0\n w: -0.7071068"  }  }  software {  docker\_image: "lgsvl/apollo:latest"  commit\_id: "7e4d637a6003628fb5442292920fd505abf71240"  mode: "Standard"  latest\_routing\_request {  header {  timestamp\_sec: 1551784772.06  module\_name: "dreamview"  sequence\_num: 4  }  waypoint {  id: "lane\_26"  s: 26.3691447099  pose {  x: 552877.855931  y: 4182770.3903  }  }  waypoint {  id: "lane\_26"  s: 30.9100699705  pose {  x: 552874.060995  y: 4182767.75035  }  }  waypoint {  id: "lane\_26"  s: 34.2971542004  pose {  x: 552871.916031  y: 4182765.11039  }  }  waypoint {  id: "lane\_26"  s: 42.1097795875  pose {  x: 552866.141128  y: 4182759.83048  }  }  waypoint {  id: "lane\_26"  s: 48.2998559591  pose {  x: 552862.181194  y: 4182755.04556  }  }  waypoint {  id: "lane\_26"  s: 54.3720911721  pose {  x: 552858.221261  y: 4182750.42564  }  }  waypoint {  id: "lane\_26"  s: 61.2653335819  pose {  x: 552853.931333  y: 4182744.98073  }  }  waypoint {  id: "lane\_26"  s: 68.4837608205  pose {  x: 552847.991433  y: 4182740.6908  }  }  waypoint {  id: "lane\_26"  s: 74.2074702307  pose {  x: 552844.361494  y: 4182736.23588  }  }  waypoint {  id: "lane\_26"  s: 80.9825922925  pose {  x: 552840.071566  y: 4182730.95596  }  }  waypoint {  id: "lane\_751"  s: 5.27247552135  pose {  x: 552833.801671  y: 4182725.34606  }  }  waypoint {  id: "lane\_751"  s: 17.8664924829  pose {  x: 552824.231832  y: 4182717.0962  }  }  waypoint {  id: "lane\_751"  s: 24.7502382459  pose {  x: 552819.281915  y: 4182712.31128  }  }  waypoint {  id: "lane\_757"  s: 21.0320340333  pose {  x: 552809.918292  y: 4182700.92147  }  }  waypoint {  id: "lane\_751"  s: 47.7605741931  pose {  x: 552803.896945  y: 4182695.16192  }  }  waypoint {  id: "lane\_751"  s: 56.4650179828  pose {  x: 552798.399192  y: 4182688.35518  }  }  waypoint {  id: "lane\_29"  s: 2.90770276043  pose {  x: 552792.116047  y: 4182684.69001  }  }  waypoint {  id: "lane\_29"  s: 12.34637827  pose {  x: 552785.047509  y: 4182678.40687  }  }  waypoint {  id: "lane\_29"  s: 25.3076706999  pose {  x: 552776.408184  y: 4182668.72035  }  }  waypoint {  id: "lane\_29"  s: 30.6768432333  pose {  x: 552772.743016  y: 4182664.79339  }  }  }  } | header {  timestamp\_sec: 1551784847.32  module\_name: "SystemMonitor"  sequence\_num: 87  }  modules {  key: "GPS"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "camera"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "canbus"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "control"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "guardian"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "localization"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "mobileye"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "navigation\_camera"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "navigation\_control"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "navigation\_localization"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "navigation\_perception"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "navigation\_planning"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "navigation\_prediction"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "navigation\_routing"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "perception"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "planning"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "prediction"  value {  summary: OK  process\_status {  running: true  }  topic\_status {  }  }  }  modules {  key: "radar"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  topic\_status {  }  }  }  modules {  key: "record\_bag"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "record\_map\_data"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "record\_navi\_bag"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "relative\_map"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  topic\_status {  message\_delay: -1.0  }  }  }  modules {  key: "routing"  value {  summary: OK  process\_status {  running: true  }  }  }  modules {  key: "third\_party\_perception"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  topic\_status {  }  }  }  modules {  key: "velodyne"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  modules {  key: "velodyne\_16"  value {  summary: FATAL  msg: "No process"  process\_status {  running: false  }  }  }  hardware {  key: "CAN"  value {  summary: UNKNOWN  }  }  hardware {  key: "GPS"  value {  summary: ERROR  msg: "No GNSS status message."  status: ERR  detailed\_msg: "No GNSS status message."  }  }  hardware {  key: "camera\_long"  value {  summary: ERROR  msg: "No message"  topic\_status {  message\_delay: -1.0  }  }  }  hardware {  key: "camera\_short"  value {  summary: ERROR  msg: "No message"  topic\_status {  message\_delay: -1.0  }  }  }  hardware {  key: "velodyne"  value {  summary: OK  topic\_status {  }  }  }  passenger\_msg: "Error! Please disengage."  safety\_mode\_trigger\_time: 1551784724.84  require\_emergency\_stop: true | perception\_obstacle {  id: 1046  position {  x: 552879.414038  y: 4182773.39403  z: 10.0548964164  }  theta: -2.34295181622  velocity {  x: -24.483820108  y: -25.1458140416  z: 0.0  }  length: 2.01510000229  width: 2.8139693737  height: 2.69797992706  polygon\_point {  x: 552879.64443  y: 4182771.86297  z: 10.0517643299  }  polygon\_point {  x: 552879.590672  y: 4182771.81951  z: 10.0516719769  }  polygon\_point {  x: 552877.88277  y: 4182773.52012  z: 10.0544199835  }  polygon\_point {  x: 552877.801087  y: 4182773.68615  z: 10.054707617  }  polygon\_point {  x: 552878.800524  y: 4182774.78458  z: 10.0569604277  }  polygon\_point {  x: 552879.10969  y: 4182774.87948  z: 10.0572057144  }  polygon\_point {  x: 552881.026084  y: 4182773.23609  z: 10.0546105905  }  polygon\_point {  x: 552880.780339  y: 4182772.78421  z: 10.0537214103  }  tracking\_time: 0.566707849503  type: VEHICLE  timestamp: 1551784842.31  confidence: 0.486313760281  confidence\_type: CONFIDENCE\_CNN  } | traffic\_light {  color: GREEN  id: "signal\_26"  confidence: 0.974390208721  }  header {  timestamp\_sec: 1551784844.38  module\_name: "traffic\_light"  sequence\_num: 320  camera\_timestamp: 1551784842725128192  }  traffic\_light\_debug {  cropbox {  x: 711  y: 537  width: 300  height: 300  }  box {  x: 813  y: 728  width: 17  height: 59  color: GREEN  selected: true  }  box {  x: 850  y: 654  width: 22  height: 67  }  box {  x: 813  y: 728  width: 17  height: 59  }  signal\_num: 1  valid\_pos: 1  ts\_diff\_pos: 0.0  ts\_diff\_sys: -1.623254776  project\_error: 66  distance\_to\_stop\_line: 44.6521148312  camera\_id: 0  }  contain\_lights: true | header {  timestamp\_sec: 1551784842.76  module\_name: "std\_planning"  sequence\_num: 931  lidar\_timestamp: 0  camera\_timestamp: 0  radar\_timestamp: 0  }  total\_path\_length: 38.1929292075  total\_path\_time: 5.52848353386  debug {  planning\_data {  path {  name: "DpPolyPathOptimizer"  path\_point {  x: 552870.31462  y: 4182763.95132  z: 0.0  theta: -2.37194624075  kappa: 0.000225016337721  s: 0.0  dkappa: 0.0  ddkappa: 0.0  }  path\_point {  x: 552869.596477  y: 4182763.25521  z: 0.0  theta: -2.371643768  kappa: 0.00035696014874  s: 1.0001521407  dkappa: 0.000131923740049  ddkappa: 0.0  }  path\_point {  x: 552868.878601  y: 4182762.55886  z: 0.0  theta: -2.37121667023  kappa: 0.000474504837621  s: 2.00027593495  dkappa: 0.000117530139325  ddkappa: 0.0  }  path\_point {  x: 552868.16104  y: 4182761.86216  z: 0.0  theta: -2.37067905359  kappa: 0.000578241987801  s: 3.00042156678  dkappa: 0.00010372204495  ddkappa: 0.0  }  path\_point {  x: 552867.443885  y: 4182761.16504  z: 0.0  theta: -2.37004443859  kappa: 0.000668762289397  s: 4.0005601865  dkappa: 9.05077554355e-05  ddkappa: 0.0  }  path\_point {  x: 552866.727203  y: 4182760.46746  z: 0.0  theta: -2.36936871031  kappa: 0.000746655388883  s: 5.00069034802  dkappa: 7.78829621209e-05  ddkappa: 0.0  }  path\_point {  x: 552866.011048  y: 4182759.76934  z: 0.0  theta: -2.36857807767  kappa: 0.000812510678525  s: 6.00081107258  dkappa: 6.58473402508e-05  ddkappa: 0.0  }  path\_point {  x: 552865.295479  y: 4182759.07067  z: 0.0  theta: -2.3677274546  kappa: 0.000866916867199  s: 7.00090472009  dkappa: 5.44010941472e-05  ddkappa: 0.0  }  path\_point {  x: 552864.580509  y: 4182758.37137  z: 0.0  theta: -2.36682800234  kappa: 0.000910462886363  s: 8.00100625528  dkappa: 4.35415981597e-05  ddkappa: 0.0  }  path\_point {  x: 552863.866184  y: 4182757.67142  z: 0.0  theta: -2.36593247233  kappa: 0.000943737323845  s: 9.00109705244  dkappa: 3.32714165322e-05  ddkappa: 0.0  }  path\_point {  x: 552863.152528  y: 4182756.97081  z: 0.0  theta: -2.36496625955  kappa: 0.000967328690806  s: 10.0011772387  dkappa: 2.35894754081e-05  ddkappa: 0.0  }  path\_point {  x: 552862.439564  y: 4182756.26953  z: 0.0  theta: -2.36398115494  kappa: 0.000981825929989  s: 11.001235642  dkappa: 1.44963925459e-05  ddkappa: 0.0  }  path\_point {  x: 552861.727285  y: 4182755.56754  z: 0.0  theta: -2.36298596029  kappa: 0.000987817874519  s: 12.001296978  dkappa: 5.99157703119e-06  ddkappa: 0.0  }  path\_point {  x: 552861.015707  y: 4182754.86486  z: 0.0  theta: -2.36203026478  kappa: 0.000985893603403  s: 13.0013491063  dkappa: -1.92417081252e-06  ddkappa: 0.0  }  path\_point {  x: 552860.304829  y: 4182754.16149  z: 0.0  theta: -2.36103871043  kappa: 0.000976642581448  s: 14.001392731  dkappa: -9.2506183992e-06  ddkappa: 0.0  }  path\_point {  x: 552859.594642  y: 4182753.45742  z: 0.0  theta: -2.3600599302  kappa: 0.000960654373641  s: 15.0014286782  dkappa: -1.59876330969e-05  ddkappa: 0.0  }  path\_point {  x: 552858.885141  y: 4182752.75268  z: 0.0  theta: -2.35910036761  kappa: 0.000938518844967  s: 16.0014511736  dkappa: -2.21350307369e-05  ddkappa: 0.0  }  path\_point {  x: 552858.1763  y: 4182752.04728  z: 0.0  theta: -2.35816587392  kappa: 0.000910826060006  s: 17.0014749948  dkappa: -2.76921253026e-05  ddkappa: 0.0  }  path\_point {  x: 552857.468107  y: 4182751.34124  z: 0.0  theta: -2.35730203323  kappa: 0.000878166100823  s: 18.0014935228  dkappa: -3.265935407e-05  ddkappa: 0.0  }  path\_point {  x: 552856.760536  y: 4182750.63458  z: 0.0  theta: -2.35643264403  kappa: 0.000841129487166  s: 19.0015075612  dkappa: -3.7036093729e-05  ddkappa: 0.0  }  path\_point {  x: 552856.053562  y: 4182749.92732  z: 0.0  theta: -2.35560233937  kappa: 0.000800306526663  s: 20.0015178532  dkappa: -4.08225403596e-05  ddkappa: 0.0  }  path\_point {  x: 552855.347159  y: 4182749.21951  z: 0.0  theta: -2.35481460927  kappa: 0.000756287816974  s: 21.0015214496  dkappa: -4.4018551379e-05  ddkappa: 0.0  }  path\_point {  x: 552854.641288  y: 4182748.51115  z: 0.0  theta: -2.35411182169  kappa: 0.00070966388829  s: 22.0015298284  dkappa: -4.6623538036e-05  ddkappa: 0.0  }  path\_point {  x: 552853.935926  y: 4182747.80231  z: 0.0  theta: -2.35341711784  kappa: 0.000661025229816  s: 23.001529751  dkappa: -4.86386622378e-05  ddkappa: 0.0  }  path\_point {  x: 552853.231031  y: 4182747.09299  z: 0.0  theta: -2.35277191901  kappa: 0.0006109625247  s: 24.0015313852  dkappa: -5.00626233023e-05  ddkappa: 0.0  }  path\_point {  x: 552852.52657  y: 4182746.38325  z: 0.0  theta: -2.35217735382  kappa: 0.000560066216703  s: 25.0015318881  dkappa: -5.08962823999e-05  ddkappa: 0.0  }  path\_point {  x: 552851.822507  y: 4182745.67311  z: 0.0  theta: -2.35167255605  kappa: 0.000508926848777  s: 26.0015315749  dkappa: -5.11393839469e-05  ddkappa: 0.0  }  path\_point {  x: 552851.118807  y: 4182744.96262  z: 0.0  theta: -2.35118004447  kappa: 0.000458134814129  s: 27.0015306972  dkappa: -5.07920792256e-05  ddkappa: 0.0  }  path\_point {  x: 552850.415433  y: 4182744.2518  z: 0.0  theta: -2.35073801099  kappa: 0.000408280624127  s: 28.0015294524  dkappa: -4.98542520612e-05  ddkappa: 0.0  }  path\_point {  x: 552849.712349  y: 4182743.54069  z: 0.0  theta: -2.35034522293  kappa: 0.00035995463443  s: 29.0015279835  dkappa: -4.83260606846e-05  ddkappa: 0.0  }  path\_point {  x: 552849.009521  y: 4182742.82934  z: 0.0  theta: -2.3499998575  kappa: 0.00031374719767  s: 30.0015246345  dkappa: -4.62075915092e-05  ddkappa: 0.0  }  path\_point {  x: 552848.306916  y: 4182742.11776  z: 0.0  theta: -2.34973696772  kappa: 0.000270248613544  s: 31.0015247398  dkappa: -4.34985795449e-05  ddkappa: 0.0  }  path\_point {  x: 552847.604506  y: 4182741.40599  z: 0.0  theta: -2.34947837357  kappa: 0.000230049128411  s: 32.0015213873  dkappa: -4.01996199006e-05  ddkappa: 0.0  }  path\_point {  x: 552846.902258  y: 4182740.69406  z: 0.0  theta: -2.34925819084  kappa: 0.000193739020431  s: 33.0015197335  dkappa: -3.63101680306e-05  ddkappa: 0.0  }  path\_point {  x: 552846.200148  y: 4182739.98199  z: 0.0  theta: -2.34907223546  kappa: 0.000161908627024  s: 34.0015180795  dkappa: -3.18304460554e-05  ddkappa: 0.0  }  path\_point {  x: 552845.498153  y: 4182739.26981  z: 0.0  theta: -2.34895230117  kappa: 0.000135148187366  s: 35.0015164257  dkappa: -2.67604839139e-05  ddkappa: 0.0  }  path\_point {  x: 552844.796256  y: 4182738.55754  z: 0.0  theta: -2.34881964061  kappa: 0.0001140479732  s: 36.0015147736  dkappa: -2.11002490259e-05  ddkappa: 0.0  }  path\_point {  x: 552844.094441  y: 4182737.84518  z: 0.0  theta: -2.34870511268  kappa: 9.91982710541e-05  s: 37.0015131198  dkappa: -1.48497267042e-05  ddkappa: 0.0  }  path\_point {  x: 552843.392695  y: 4182737.13276  z: 0.0  theta: -2.34860217207  kappa: 9.11893455936e-05  s: 38.0015114646  dkappa: -8.00893871653e-06  ddkappa: 0.0  }  path\_point {  x: 552842.691015  y: 4182736.42027  z: 0.0  theta: -2.34853934643  kappa: 9.06114580464e-05  s: 39.001509808  dkappa: -5.77888504636e-07  ddkappa: 0.0  }  }  path {  name: "planning\_reference\_line"  path\_point {  x: 552894.045647  y: 4182788.16736  theta: -2.35718043516  kappa: 0.000133813170975  s: 0.0  dkappa: -1.79593471682e-07  }  path\_point {  x: 552893.790163  y: 4182787.91236  theta: -2.35713214551  kappa: 0.000133747469661  s: 0.360961916964  dkappa: -1.84435424796e-07  }  path\_point {  x: 552893.534692  y: 4182787.65736  theta: -2.35708387988  kappa: 0.000133680026761  s: 0.721923866073  dkappa: -1.89243126225e-07  }  path\_point {  x: 552893.279232  y: 4182787.40234  theta: -2.3570356389  kappa: 0.00013361085464  s: 1.0828858476  dkappa: -1.94016575664e-07  }  path\_point {  x: 552893.023785  y: 4182787.14731  theta: -2.3569874232  kappa: 0.000133539965661  s: 1.44384786256  dkappa: -1.98755772811e-07  }  path\_point {  x: 552892.76835  y: 4182786.89227  theta: -2.35693923339  kappa: 0.000133467372186  s: 1.80480991179  dkappa: -2.03460717373e-07  }  path\_point {  x: 552892.512928  y: 4182786.63721  theta: -2.35689107009  kappa: 0.00013339308658  s: 2.16577199599  dkappa: -2.08131409058e-07  }  path\_point {  x: 552892.257517  y: 4182786.38215  theta: -2.3568429339  kappa: 0.000133317121206  s: 2.52673411639  dkappa: -2.12767847583e-07  }  path\_point {  x: 552892.002119  y: 4182786.12707  theta: -2.35679482542  kappa: 0.000133239488427  s: 2.88769627303  dkappa: -2.17370032667e-07  }  path\_point {  x: 552891.746733  y: 4182785.87198  theta: -2.35674674527  kappa: 0.000133160200607  s: 3.24865846774  dkappa: -2.21937964038e-07  }  path\_point {  x: 552891.49136  y: 4182785.61687  theta: -2.35669869402  kappa: 0.00013307927011  s: 3.6096207006  dkappa: -2.26471641427e-07  }  path\_point {  x: 552891.235998  y: 4182785.36175  theta: -2.35665067228  kappa: 0.000132996709301  s: 3.97058297247  dkappa: -2.3097106457e-07  }  path\_point {  x: 552890.980649  y: 4182785.10663  theta: -2.35660268062  kappa: 0.000132912530542  s: 4.33154528459  dkappa: -2.35436233209e-07  }  path\_point {  x: 552890.725312  y: 4182784.85149  theta: -2.35655471963  kappa: 0.000132826746198  s: 4.69250763731  dkappa: -2.39867147092e-07  }  path\_point {  x: 552890.469987  y: 4182784.59633  theta: -2.3565067899  kappa: 0.000132739368634  s: 5.05347003186  dkappa: -2.44263805971e-07  }  path\_point {  x: 552890.214675  y: 4182784.34117  theta: -2.35645889198  kappa: 0.000132650410213  s: 5.41443246867  dkappa: -2.48626209606e-07  }  path\_point {  x: 552889.959374  y: 4182784.08599  theta: -2.35641102645  kappa: 0.0001325598833  s: 5.77539494858  dkappa: -2.52954357758e-07  }  path\_point {  x: 552889.704086  y: 4182783.8308  theta: -2.35636319387  kappa: 0.000132467800259  s: 6.1363574729  dkappa: -2.57248250198e-07  }  path\_point {  x: 552889.44881  y: 4182783.5756  theta: -2.35631539481  kappa: 0.000132374173454  s: 6.49732004156  dkappa: -2.61507886699e-07  }  path\_point {  x: 552889.193546  y: 4182783.32038  theta: -2.35626762981  kappa: 0.000132279015251  s: 6.85828265629  dkappa: -2.65733267042e-07  }  path\_point {  x: 552888.938294  y: 4182783.06516  theta: -2.35621989942  kappa: 0.000132182338014  s: 7.21924531717  dkappa: -2.6992439101e-07  }  path\_point {  x: 552888.683055  y: 4182782.80992  theta: -2.3561722042  kappa: 0.000132084154107  s: 7.58020802561  dkappa: -2.74081258395e-07  }  path\_point {  x: 552888.427827  y: 4182782.55467  theta: -2.35612454469  kappa: 0.000131984475896  s: 7.9411707816  dkappa: -2.78203868993e-07  }  path\_point {  x: 552888.172612  y: 4182782.2994  theta: -2.35607692142  kappa: 0.000131883315745  s: 8.30213358679  dkappa: -2.82292222604e-07  }  path\_point {  x: 552887.917409  y: 4182782.04413  theta: -2.35602933492  kappa: 0.000131780686019  s: 8.66309644116  dkappa: -2.86346319035e-07  }  path\_point {  x: 552887.662218  y: 4182781.78884  theta: -2.35598178572  kappa: 0.000131676599082  s: 9.02405934611  dkappa: -2.90366158097e-07  }  path\_point {  x: 552887.407039  y: 4182781.53354  theta: -2.35593427435  kappa: 0.000131571067302  s: 9.38502230238  dkappa: -2.94351739609e-07  }  path\_point {  x: 552887.151872  y: 4182781.27823  theta: -2.35588680132  kappa: 0.000131464103041  s: 9.74598531035  dkappa: -2.98303063392e-07  }  path\_point {  x: 552886.896717  y: 4182781.02291  theta: -2.35583936716  kappa: 0.000131355718665  s: 10.1069483712  dkappa: -3.02220129275e-07  }  path\_point {  x: 552886.641574  y: 4182780.76757  theta: -2.35579197236  kappa: 0.000131245926541  s: 10.4679114856  dkappa: -3.06102937091e-07  }  path\_point {  x: 552886.386444  y: 4182780.51222  theta: -2.35574461744  kappa: 0.000131134739032  s: 10.8288746541  dkappa: -3.09951486678e-07  }  path\_point {  x: 552886.131325  y: 4182780.25686  theta: -2.3556973029  kappa: 0.000131022168504  s: 11.1898378776  dkappa: -3.13765777881e-07  }  path\_point {  x: 552885.876218  y: 4182780.00149  theta: -2.35565002923  kappa: 0.000130908227323  s: 11.550801157  dkappa: -3.17545810548e-07  }  path\_point {  x: 552885.621124  y: 4182779.7461  theta: -2.35560279693  kappa: 0.000130792927854  s: 11.9117644931  dkappa: -3.21291584534e-07  }  path\_point {  x: 552885.366041  y: 4182779.49071  theta: -2.35555560648  kappa: 0.000130676282462  s: 12.2727278864  dkappa: -3.250030997e-07  }  path\_point {  x: 552885.110971  y: 4182779.2353  theta: -2.35550845837  kappa: 0.000130558303513  s: 12.6336913377  dkappa: -3.28680355909e-07  }  path\_point {  x: 552884.855912  y: 4182778.97988  theta: -2.35546135308  kappa: 0.000130439003373  s: 12.994654848  dkappa: -3.32323353033e-07  }  path\_point {  x: 552884.600866  y: 4182778.72444  theta: -2.35541429108  kappa: 0.000130318394407  s: 13.3556184176  dkappa: -3.35932090947e-07  }  path\_point {  x: 552884.345831  y: 4182778.469  theta: -2.35536727284  kappa: 0.000130196488981  s: 13.7165820479  dkappa: -3.39506569532e-07  }  path\_point {  x: 552884.090808  y: 4182778.21354  theta: -2.35532029886  kappa: 0.000130073068549  s: 14.0775457395  dkappa: -3.43955197384e-07  }  path\_point {  x: 552883.835798  y: 4182777.95807  theta: -2.35527336968  kappa: 0.000129948271857  s: 14.4385094924  dkappa: -3.47504653935e-07  }  path\_point {  x: 552883.580799  y: 4182777.70259  theta: -2.35522648578  kappa: 0.000129822198239  s: 14.7994733081  dkappa: -3.51030171637e-07  }  path\_point {  x: 552883.325812  y: 4182777.4471  theta: -2.3551796476  kappa: 0.000129694856335  s: 15.1604371872  dkappa: -3.54531750359e-07  }  path\_point {  x: 552883.070837  y: 4182777.19159  theta: -2.3551328556  kappa: 0.000129566254785  s: 15.5214011304  dkappa: -3.58009389971e-07  }  path\_point {  x: 552882.815874  y: 4182776.93608  theta: -2.35508611025  kappa: 0.000129436402229  s: 15.8823651387  dkappa: -3.61463090352e-07  }  path\_point {  x: 552882.560923  y: 4182776.68055  theta: -2.35503941198  kappa: 0.000129305307309  s: 16.243329212  dkappa: -3.64892851381e-07  }  path\_point {  x: 552882.305984  y: 4182776.42501  theta: -2.35499276124  kappa: 0.000129172978665  s: 16.604293352  dkappa: -3.68298672943e-07  }  path\_point {  x: 552882.051056  y: 4182776.16946  theta: -2.35494615849  kappa: 0.000129039424938  s: 16.9652575588  dkappa: -3.71680554927e-07  }  path\_point {  x: 552881.796141  y: 4182775.91389  theta: -2.35489960415  kappa: 0.000128904654767  s: 17.3262218331  dkappa: -3.75038497225e-07  }  path\_point {  x: 552881.541237  y: 4182775.65831  theta: -2.35485309868  kappa: 0.000128768676794  s: 17.6871861761  dkappa: -3.78372499735e-07  }  path\_point {  x: 552881.286345  y: 4182775.40273  theta: -2.35480664249  kappa: 0.00012863149966  s: 18.0481505885  dkappa: -3.81682562356e-07  }  path\_point {  x: 552881.031465  y: 4182775.14713  theta: -2.35476023602  kappa: 0.000128493132004  s: 18.4091150703  dkappa: -3.84968684995e-07  }  path\_point {  x: 552880.776597  y: 4182774.89151  theta: -2.35471387971  kappa: 0.000128353582469  s: 18.770079623  dkappa: -3.8823086756e-07  }  path\_point {  x: 552880.521741  y: 4182774.63589  theta: -2.35466757397  kappa: 0.000128212859694  s: 19.1310442468  dkappa: -3.91469109965e-07  }  path\_point {  x: 552880.266896  y: 4182774.38025  theta: -2.35462131923  kappa: 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4182772.59047  theta: -2.35429899873  kappa: 0.000127045877787  s: 22.0187638881  dkappa: -4.16513194294e-07  }  path\_point {  x: 552878.228561  y: 4182772.33474  theta: -2.35425316678  kappa: 0.000126894984699  s: 22.3797291851  dkappa: -4.19535971996e-07  }  path\_point {  x: 552877.973822  y: 4182772.079  theta: -2.35420738948  kappa: 0.000126743004781  s: 22.74069456  dkappa: -4.22534808886e-07  }  path\_point {  x: 552877.719095  y: 4182771.82325  theta: -2.35416166722  kappa: 0.000126589946675  s: 23.1016600139  dkappa: -4.25509704921e-07  }  path\_point {  x: 552877.464379  y: 4182771.56748  theta: -2.3541160004  kappa: 0.00012643581902  s: 23.4626255474  dkappa: -4.28460660061e-07  }  path\_point {  x: 552877.209674  y: 4182771.3117  theta: -2.3540703894  kappa: 0.000126280630459  s: 23.8235911613  dkappa: -4.31387674269e-07  }  path\_point {  x: 552876.954982  y: 4182771.05591  theta: -2.35402483459  kappa: 0.000126124389633  s: 24.1845568555  dkappa: -4.34290747515e-07  }  path\_point {  x: 552876.7003  y: 4182770.80011  theta: -2.35397933636  kappa: 0.000125967105182  s: 24.5455226316  dkappa: -4.3716987977e-07  }  path\_point {  x: 552876.445631  y: 4182770.5443  theta: -2.35393389507  kappa: 0.000125808785747  s: 24.9064884898  dkappa: -4.40025071009e-07  }  path\_point {  x: 552876.190973  y: 4182770.28848  theta: -2.35388851112  kappa: 0.000125649439971  s: 25.2674544307  dkappa: -4.42856321211e-07  }  path\_point {  x: 552875.936326  y: 4182770.03264  theta: -2.35384318485  kappa: 0.000125489076493  s: 25.6284204554  dkappa: -4.45663630361e-07  }  path\_point {  x: 552875.681691  y: 4182769.7768  theta: -2.35379791664  kappa: 0.000125327703956  s: 25.9893865642  dkappa: -4.48446998443e-07  }  path\_point {  x: 552875.427068  y: 4182769.52094  theta: -2.35375270685  kappa: 0.000125165331  s: 26.3503527575  dkappa: -4.5120642545e-07  }  path\_point {  x: 552875.172456  y: 4182769.26507  theta: -2.35370755584  kappa: 0.000125001966266  s: 26.7113190364  dkappa: -4.53941911376e-07  }  path\_point {  x: 552874.917856  y: 4182769.00919  theta: -2.35366246397  kappa: 0.000124837618396  s: 27.0722854009  dkappa: -4.56653456217e-07  }  path\_point {  x: 552874.663267  y: 4182768.75329  theta: -2.35361743159  kappa: 0.000124672296031  s: 27.4332518525  dkappa: -4.59341059976e-07  }  path\_point {  x: 552874.408689  y: 4182768.49739  theta: -2.35357245904  kappa: 0.000124506007812  s: 27.7942183914  dkappa: -4.62004722658e-07  }  path\_point {  x: 552874.154123  y: 4182768.24147  theta: -2.35352754669  kappa: 0.00012433876238  s: 28.155185018  dkappa: -4.64644444271e-07  }  path\_point {  x: 552873.899569  y: 4182767.98555  theta: -2.35348269486  kappa: 0.000124170568376  s: 28.5161517332  dkappa: -4.67260224828e-07  }  path\_point {  x: 552873.645025  y: 4182767.72961  theta: -2.3534379039  kappa: 0.000124001434441  s: 28.8771185377  dkappa: -4.69852064345e-07  }  path\_point {  x: 552873.390493  y: 4182767.47366  theta: -2.35339317416  kappa: 0.000123831369218  s: 29.2380854319  dkappa: -4.72419962842e-07  }  path\_point {  x: 552873.135973  y: 4182767.21769  theta: -2.35334850595  kappa: 0.000123660381346  s: 29.5990524164  dkappa: -4.7496392034e-07  }  path\_point {  x: 552872.881464  y: 4182766.96172  theta: -2.35330389963  kappa: 0.000123488479467  s: 29.960019492  dkappa: -4.77483936868e-07  }  path\_point {  x: 552872.626966  y: 4182766.70574  theta: -2.3532593555  kappa: 0.000123315672222  s: 30.3209866591  dkappa: -4.79980012454e-07  }  path\_point {  x: 552872.37248  y: 4182766.44974  theta: -2.3532148739  kappa: 0.000123141968252  s: 30.6819539184  dkappa: -4.82452147132e-07  }  path\_point {  x: 552872.118005  y: 4182766.19373  theta: -2.35317045516  kappa: 0.000122967376199  s: 31.0429212705  dkappa: -4.8490034094e-07  }  path\_point {  x: 552871.863541  y: 4182765.93771  theta: -2.35312609958  kappa: 0.000122791904703  s: 31.4038887162  dkappa: -4.87324593916e-07  }  path\_point {  x: 552871.609088  y: 4182765.68168  theta: -2.35308180749  kappa: 0.000122615562406  s: 31.7648562556  dkappa: -4.89724906106e-07  }  path\_point {  x: 552871.354647  y: 4182765.42564  theta: -2.3530375792  kappa: 0.000122438357948  s: 32.1258238897  dkappa: -4.92101277556e-07  }  path\_point {  x: 552871.100217  y: 4182765.16959  theta: -2.35299341501  kappa: 0.000122260299972  s: 32.4867916186  dkappa: -4.94453708315e-07  }  path\_point {  x: 552870.845798  y: 4182764.91353  theta: -2.35294931524  kappa: 0.000122081397117  s: 32.8477594436  dkappa: -4.96782198439e-07  }  path\_point {  x: 552870.591391  y: 4182764.65745  theta: -2.35290528019  kappa: 0.000121901658025  s: 33.2087273645  dkappa: -4.99086747983e-07  }  path\_point {  x: 552870.336994  y: 4182764.40136  theta: -2.35286131016  kappa: 0.000121721091337  s: 33.5696953826  dkappa: -5.01367357009e-07  }  path\_point {  x: 552870.082609  y: 4182764.14527  theta: -2.35281740543  kappa: 0.000121539705694  s: 33.9306634979  dkappa: -5.03624025579e-07  }  path\_point {  x: 552869.828235  y: 4182763.88916  theta: -2.35277356632  kappa: 0.000121357509738  s: 34.291631711  dkappa: -5.0585675376e-07  }  path\_point {  x: 552869.573872  y: 4182763.63304  theta: -2.35272979311  kappa: 0.000121174512108  s: 34.6526000229  dkappa: -5.08065541623e-07  }  path\_point {  x: 552869.31952  y: 4182763.3769  theta: -2.35268608609  kappa: 0.000120990721446  s: 35.0135684338  dkappa: -5.10250389239e-07  }  path\_point {  x: 552869.06518  y: 4182763.12076  theta: -2.35264244554  kappa: 0.000120806146393  s: 35.3745369445  dkappa: -5.12411296686e-07  }  path\_point {  x: 552868.81085  y: 4182762.86461  theta: -2.35259887174  kappa: 0.00012062079559  s: 35.7355055549  dkappa: -5.14548264041e-07  }  path\_point {  x: 552868.556532  y: 4182762.60844  theta: -2.35255536498  kappa: 0.000120434677678  s: 36.0964742664  dkappa: -5.16661291389e-07  }  path\_point {  x: 552868.302224  y: 4182762.35227  theta: -2.35251192552  kappa: 0.000120247801297  s: 36.4574430793  dkappa: -5.18750378814e-07  }  path\_point {  x: 552868.047928  y: 4182762.09608  theta: -2.35246855364  kappa: 0.000120060175088  s: 36.8184119939  dkappa: -5.20815526404e-07  }  path\_point {  x: 552867.793643  y: 4182761.83988  theta: -2.35242524961  kappa: 0.000119871807693  s: 37.1793810107  dkappa: -5.22856734251e-07  }  path\_point {  x: 552867.539368  y: 4182761.58367  theta: -2.3523820137  kappa: 0.000119682707752  s: 37.5403501305  dkappa: -5.2487400245e-07  }  path\_point {  x: 552867.285105  y: 4182761.32745  theta: -2.35233884617  kappa: 0.000119492883906  s: 37.9013193534  dkappa: -5.26867331098e-07  }  path\_point {  x: 552867.030853  y: 4182761.07122  theta: -2.35229574727  kappa: 0.000119302344796  s: 38.2622886805  dkappa: -5.28836720294e-07  }  path\_point {  x: 552866.776611  y: 4182760.81498  theta: -2.35225271726  kappa: 0.000119111099061  s: 38.6232581119  dkappa: -5.30782170143e-07  }  path\_point {  x: 552866.522381  y: 4182760.55872  theta: -2.35220975641  kappa: 0.000118919155344  s: 38.9842276482  dkappa: -5.32703680749e-07  }  path\_point {  x: 552866.268162  y: 4182760.30246  theta: -2.35216686495  kappa: 0.000118726522284  s: 39.3451972899  dkappa: -5.34601252223e-07  }  path\_point {  x: 552866.013953  y: 4182760.04618  theta: -2.35212404314  kappa: 0.00011853313547  s: 39.7061670376  dkappa: -5.36952270031e-07  }  path\_point {  x: 552865.759755  y: 4182759.7899  theta: -2.35208129128  kappa: 0.000118338972503  s: 40.0671368916  dkappa: -5.38829592198e-07  }  path\_point {  x: 552865.505568  y: 4182759.5336  theta: -2.35203860961  kappa: 0.000118144135157  s: 40.4281068528  dkappa: -5.4068843248e-07  }  path\_point {  x: 552865.251393  y: 4182759.27729  theta: -2.35199599838  kappa: 0.000117948630104  s: 40.7890769214  dkappa: -5.42528790967e-07  }  path\_point {  x: 552864.997227  y: 4182759.02097  theta: -2.35195345782  kappa: 0.000117752464013  s: 41.1500470977  dkappa: -5.44350667752e-07  }  path\_point {  x: 552864.743073  y: 4182758.76464  theta: -2.35191098819  kappa: 0.000117555643555  s: 41.5110173824  dkappa: -5.46154062933e-07  }  path\_point {  x: 552864.48893  y: 4182758.5083  theta: -2.3518685897  kappa: 0.000117358175402  s: 41.8719877761  dkappa: -5.47938976607e-07  }  path\_point {  x: 552864.234797  y: 4182758.25195  theta: -2.3518262626  kappa: 0.000117160066223  s: 42.2329582794  dkappa: -5.49705408875e-07  }  path\_point {  x: 552863.980675  y: 4182757.99559  theta: -2.35178400711  kappa: 0.000116961322689  s: 42.5939288924  dkappa: -5.5145335984e-07  }  path\_point {  x: 552863.726564  y: 4182757.73921  theta: -2.35174182346  kappa: 0.000116761951471  s: 42.9548996156  dkappa: -5.53182829606e-07  }  path\_point {  x: 552863.472463  y: 4182757.48283  theta: -2.35169971188  kappa: 0.000116561959239  s: 43.3158704495  dkappa: -5.54893818282e-07  }  path\_point {  x: 552863.218374  y: 4182757.22643  theta: -2.35165767259  kappa: 0.000116361352664  s: 43.6768413948  dkappa: -5.56586325977e-07  }  path\_point {  x: 552862.964294  y: 4182756.97003  theta: -2.3516157058  kappa: 0.000116160138416  s: 44.037812452  dkappa: -5.58260352802e-07  }  path\_point {  x: 552862.710226  y: 4182756.71361  theta: -2.35157381175  kappa: 0.000115958323165  s: 44.398783621  dkappa: -5.59915898872e-07  }  path\_point {  x: 552862.456168  y: 4182756.45718  theta: -2.35153199064  kappa: 0.000115755913583  s: 44.7597549026  dkappa: -5.61552964301e-07  }  path\_point {  x: 552862.202121  y: 4182756.20074  theta: -2.35149024269  kappa: 0.000115552916339  s: 45.1207262976  dkappa: -5.63171549209e-07  }  path\_point {  x: 552861.948085  y: 4182755.9443  theta: -2.3514485681  kappa: 0.000115349338103  s: 45.4816978058  dkappa: -5.64771653716e-07  }  path\_point {  x: 552861.694059  y: 4182755.68784  theta: -2.35140696709  kappa: 0.000115145185547  s: 45.8426694281  dkappa: -5.66353277943e-07  }  path\_point {  x: 552861.440043  y: 4182755.43137  theta: -2.35136543987  kappa: 0.000114940465339  s: 46.2036411644  dkappa: -5.67916422014e-07  }  path\_point {  x: 552861.186039  y: 4182755.17489  theta: -2.35132398663  kappa: 0.000114735184151  s: 46.5646130159  dkappa: -5.69461086057e-07  }  path\_point {  x: 552860.932044  y: 4182754.9184  theta: -2.35128260758  kappa: 0.000114529348652  s: 46.9255849826  dkappa: -5.70987270199e-07  }  path\_point {  x: 552860.678061  y: 4182754.66189  theta: -2.35124130291  kappa: 0.000114322965512  s: 47.2865570647  dkappa: -5.7249497457e-07  }  path\_point {  x: 552860.424088  y: 4182754.40538  theta: -2.35120007283  kappa: 0.000114116041403  s: 47.6475292632  dkappa: -5.73984199302e-07  }  path\_point {  x: 552860.170125  y: 4182754.14886  theta: -2.35115891753  kappa: 0.000113908582992  s: 48.0085015778  dkappa: -5.7545494453e-07  }  path\_point {  x: 552859.916173  y: 4182753.89233  theta: -2.35111783719  kappa: 0.000113700596952  s: 48.3694740095  dkappa: -5.76907210389e-07  }  path\_point {  x: 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77.6086596344  dkappa: -6.34964774325e-07  }  path\_point {  x: 552839.125809  y: 4182732.82268  theta: -2.34801780206  kappa: 9.54751794132e-05  s: 77.9696426907  dkappa: -6.34980075235e-07  }  path\_point {  x: 552838.872655  y: 4182732.56534  theta: -2.3479833785  kappa: 9.52459620365e-05  s: 78.330625885  dkappa: -6.34978615266e-07  }  path\_point {  x: 552838.619511  y: 4182732.308  theta: -2.34794903766  kappa: 9.50167481243e-05  s: 78.6916092177  dkappa: -6.3496039462e-07  }  path\_point {  x: 552838.366375  y: 4182732.05064  theta: -2.34791477956  kappa: 9.47875437269e-05  s: 79.0525926883  dkappa: -6.349254135e-07  }  path\_point {  x: 552838.113247  y: 4182731.79328  theta: -2.34788060418  kappa: 9.45583548943e-05  s: 79.4135762977  dkappa: -6.34873672108e-07  }  path\_point {  x: 552837.860128  y: 4182731.53591  theta: -2.34784651151  kappa: 9.43291876767e-05  s: 79.7745600453  dkappa: -6.34805170646e-07  }  path\_point {  x: 552837.607018  y: 4182731.27853  theta: 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9.1010543718e-08  }  path\_point {  x: 552788.632433  y: 4182681.19622  theta: -2.3431252705  kappa: -0.000193991444024  s: 150.183802088  dkappa: 9.82628797437e-08  }  path\_point {  x: 552788.534748  y: 4182681.09595  theta: -2.34315242585  kappa: -0.000193977182718  s: 150.323789359  dkappa: 1.05483271781e-07  }  path\_point {  x: 552788.43706  y: 4182680.99568  theta: -2.34317957913  kappa: -0.000193961912884  s: 150.463776632  dkappa: 1.12671719659e-07  }  path\_point {  x: 552788.339369  y: 4182680.89542  theta: -2.3432067302  kappa: -0.000193945638995  s: 150.603763907  dkappa: 1.19828223212e-07  }  path\_point {  x: 552788.241676  y: 4182680.79515  theta: -2.34323387892  kappa: -0.000193928365521  s: 150.743751184  dkappa: 1.26952782271e-07  }  path\_point {  x: 552788.14398  y: 4182680.69489  theta: -2.34326102516  kappa: -0.000193910096936  s: 150.883738462  dkappa: 1.34045396672e-07  }  path\_point {  x: 552788.046281  y: 4182680.59464  theta: -2.34328816877  kappa: -0.000193890837711  s: 151.023725742  dkappa: 1.4110606625e-07  }  path\_point {  x: 552787.948579  y: 4182680.49438  theta: -2.34331530962  kappa: -0.000193870592318  s: 151.163713024  dkappa: 1.48134790843e-07  }  path\_point {  x: 552787.850875  y: 4182680.39413  theta: -2.34334244756  kappa: -0.000193849365228  s: 151.303700309  dkappa: 1.55131570289e-07  }  path\_point {  x: 552787.753168  y: 4182680.29388  theta: -2.34336958246  kappa: -0.000193827160914  s: 151.443687595  dkappa: 1.62096404427e-07  }  path\_point {  x: 552787.655458  y: 4182680.19364  theta: -2.34339671419  kappa: -0.000193803983847  s: 151.583674884  dkappa: 1.690292931e-07  }  path\_point {  x: 552787.557746  y: 4182680.09339  theta: -2.34342384261  kappa: -0.000193779838499  s: 151.723662175  dkappa: 1.75930236148e-07  }  path\_point {  x: 552787.460031  y: 4182679.99315  theta: -2.34345096758  kappa: -0.000193754729343  s: 151.863649469  dkappa: 1.82799233417e-07  }  path\_point {  x: 552787.362313  y: 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153.823471907  dkappa: 2.75610804028e-07  }  path\_point {  x: 552785.993977  y: 4182678.48986  theta: -2.34385733843  kappa: -0.00019326547592  s: 153.963459251  dkappa: 2.82000596775e-07  }  path\_point {  x: 552785.896218  y: 4182678.38966  theta: -2.34388439037  kappa: -0.000193225554023  s: 154.103446599  dkappa: 2.88358441427e-07  }  path\_point {  x: 552785.798457  y: 4182678.28947  theta: -2.34391143666  kappa: -0.000193184744343  s: 154.243433952  dkappa: 2.94684337852e-07  }  path\_point {  x: 552785.700693  y: 4182678.18928  theta: -2.34393847717  kappa: -0.000193143051352  s: 154.383421309  dkappa: 3.00978285919e-07  }  path\_point {  x: 552785.602926  y: 4182678.08908  theta: -2.34396551179  kappa: -0.000193100479522  s: 154.52340867  dkappa: 3.07240285497e-07  }  path\_point {  x: 552785.505156  y: 4182677.9889  theta: -2.34399254039  kappa: -0.000193057033327  s: 154.663396036  dkappa: 3.13470336458e-07  }  path\_point {  x: 552785.407384  y: 4182677.88871  theta: 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-0.000191950605299  s: 157.60313196  dkappa: 4.36921063181e-07  }  path\_point {  x: 552783.353543  y: 4182675.78543  theta: -2.34458540607  kappa: -0.000191889054576  s: 157.743119452  dkappa: 4.42448214874e-07  }  path\_point {  x: 552783.255711  y: 4182675.68531  theta: -2.34461226378  kappa: -0.000191826732354  s: 157.883106951  dkappa: 4.47943415382e-07  }  path\_point {  x: 552783.157877  y: 4182675.58518  theta: -2.34463911272  kappa: -0.000191763643107  s: 158.023094457  dkappa: 4.53406664611e-07  }  path\_point {  x: 552783.06004  y: 4182675.48506  theta: -2.34466595278  kappa: -0.000191699791306  s: 158.16308197  dkappa: 4.58837962468e-07  }  path\_point {  x: 552782.9622  y: 4182675.38494  theta: -2.34469278384  kappa: -0.000191635181424  s: 158.303069491  dkappa: 4.64237308861e-07  }  path\_point {  x: 552782.864357  y: 4182675.28482  theta: -2.34471960581  kappa: -0.000191569817934  s: 158.443057018  dkappa: 4.69604703699e-07  }  path\_point {  x: 552782.766512  y: 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}  path\_point {  x: 552782.081521  y: 4182674.48398  theta: -2.34493384162  kappa: -0.000191020316848  s: 159.562957513  dkappa: 5.1139359612e-07  }  path\_point {  x: 552781.983655  y: 4182674.38389  theta: -2.34496057707  kappa: -0.000190948372158  s: 159.70294511  dkappa: 5.16473423153e-07  }  path\_point {  x: 552781.885785  y: 4182674.2838  theta: -2.3449873024  kappa: -0.000190875718588  s: 159.842932716  dkappa: 5.21521297809e-07  }  path\_point {  x: 552781.787913  y: 4182674.18371  theta: -2.34501401751  kappa: -0.000190802360609  s: 159.98292033  dkappa: 5.26537220014e-07  }  path\_point {  x: 552781.690039  y: 4182674.08363  theta: -2.3450407223  kappa: -0.000190728302696  s: 160.122907953  dkappa: 5.31521189696e-07  }  path\_point {  x: 552781.592161  y: 4182673.98354  theta: -2.34506741668  kappa: -0.00019065354932  s: 160.262895584  dkappa: 5.36473206781e-07  }  path\_point {  x: 552781.494281  y: 4182673.88346  theta: -2.34509410055  kappa: -0.000190578104956  s: 160.402883223  dkappa: 5.41393271202e-07  }  path\_point {  x: 552781.396399  y: 4182673.78339  theta: -2.34512077381  kappa: -0.000190501974074  s: 160.542870872  dkappa: 5.46281382888e-07  }  path\_point {  x: 552781.298513  y: 4182673.68331  theta: -2.34514743636  kappa: -0.000190425161149  s: 160.682858529  dkappa: 5.51137541772e-07  }  path\_point {  x: 552781.200625  y: 4182673.58324  theta: -2.34517408812  kappa: -0.000190347670654  s: 160.822846195  dkappa: 5.5596174779e-07  }  path\_point {  x: 552781.102734  y: 4182673.48317  theta: -2.34520072899  kappa: -0.00019026950706  s: 160.962833871  dkappa: 5.60754000876e-07  }  path\_point {  x: 552781.004841  y: 4182673.3831  theta: -2.34522735886  kappa: -0.000190190674842  s: 161.102821555  dkappa: 5.65514300967e-07  }  path\_point {  x: 552780.906945  y: 4182673.28304  theta: -2.34525397766  kappa: -0.000190111178471  s: 161.242809249  dkappa: 5.70242648002e-07  }  path\_point {  x: 552780.809046  y: 4182673.18297  theta: 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}  path\_point {  x: 552777.47891  y: 4182669.78241  theta: -2.34617797647  kappa: -0.000186945144534  s: 166.142385058  dkappa: 7.15603994191e-07  }  path\_point {  x: 552777.380919  y: 4182669.68243  theta: -2.34620413954  kappa: -0.000186844717688  s: 166.282373146  dkappa: 7.1918200201e-07  }  path\_point {  x: 552777.282925  y: 4182669.58246  theta: -2.34623028852  kappa: -0.00018674379219  s: 166.422361246  dkappa: 7.22728055473e-07  }  path\_point {  x: 552777.184928  y: 4182669.4825  theta: -2.34625642334  kappa: -0.000186642372515  s: 166.562349359  dkappa: 7.26242154571e-07  }  path\_point {  x: 552777.086929  y: 4182669.38253  theta: -2.34628254393  kappa: -0.000186540463135  s: 166.702337484  dkappa: 7.29724299295e-07  }  path\_point {  x: 552776.988927  y: 4182669.28257  theta: -2.34630865022  kappa: -0.000186438068523  s: 166.842325623  dkappa: 7.33174489639e-07  }  path\_point {  x: 552776.890922  y: 4182669.18261  theta: -2.34633474215  kappa: -0.000186335193152  s: 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 }  path\_point {  x: 552772.870503  y: 4182665.08647  theta: -2.34739139239  kappa: -0.000181756754809  s: 172.72184023  dkappa: 8.51268937397e-07  }  path\_point {  x: 552772.77239  y: 4182664.98662  theta: -2.34741682795  kappa: -0.000181637434072  s: 172.861829003  dkappa: 8.53444878415e-07  }  path\_point {  x: 552772.674274  y: 4182664.88677  theta: -2.34744224678  kappa: -0.000181517810744  s: 173.001817794  dkappa: 8.55591813658e-07  }  path\_point {  x: 552772.576156  y: 4182664.78692  theta: -2.34746764885  kappa: -0.000181397888885  s: 173.141806602  dkappa: 8.57709743166e-07  }  path\_point {  x: 552772.478035  y: 4182664.68707  theta: -2.34749303412  kappa: -0.000181277672555  s: 173.281795426  dkappa: 8.5979866698e-07  }  path\_point {  x: 552772.379912  y: 4182664.58723  theta: -2.34751840254  kappa: -0.000181157165815  s: 173.421784266  dkappa: 8.61858585141e-07  }  path\_point {  x: 552772.281786  y: 4182664.48739  theta: -2.34754375407  kappa: -0.000181036372725  s: 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8.98416644598e-07  }  path\_point {  x: 552770.22056  y: 4182662.3913  theta: -2.34807217002  kappa: -0.00017844076179  s: 176.501543183  dkappa: 8.9983845087e-07  }  path\_point {  x: 552770.122378  y: 4182662.29151  theta: -2.34809714099  kappa: -0.000178314696253  s: 176.641532432  dkappa: 9.0123125271e-07  }  path\_point {  x: 552770.024195  y: 4182662.19173  theta: -2.3481220943  kappa: -0.000178188437753  s: 176.781521701  dkappa: 9.02595050184e-07  }  path\_point {  x: 552769.926008  y: 4182662.09194  theta: -2.34814702992  kappa: -0.000178061990349  s: 176.921510988  dkappa: 9.03929843356e-07  }  path\_point {  x: 552769.827819  y: 4182661.99216  theta: -2.34817194783  kappa: -0.000177935358101  s: 177.061500293  dkappa: 9.05235632293e-07  }  path\_point {  x: 552769.729628  y: 4182661.89239  theta: -2.34819684801  kappa: -0.00017780854507  s: 177.201489618  dkappa: 9.06512417061e-07  }  path\_point {  x: 552769.631434  y: 4182661.79261  theta: -2.34822173042  kappa: -0.000177681555315  s: 177.341478961  dkappa: 9.07760197729e-07  }  path\_point {  x: 552769.533238  y: 4182661.69284  theta: -2.34824659505  kappa: -0.000177554392897  s: 177.481468324  dkappa: 9.08978974364e-07  }  path\_point {  x: 552769.435039  y: 4182661.59307  theta: -2.34827144187  kappa: -0.000177427061877  s: 177.621457706  dkappa: 9.10168747037e-07  }  path\_point {  x: 552769.336838  y: 4182661.4933  theta: -2.34829627086  kappa: -0.000177299566313  s: 177.761447107  dkappa: 9.11329515819e-07  }  path\_point {  x: 552769.238634  y: 4182661.39354  theta: -2.34832108199  kappa: -0.000177171910267  s: 177.901436527  dkappa: 9.12461280779e-07  }  path\_point {  x: 552769.140428  y: 4182661.29378  theta: -2.34834587524  kappa: -0.000177044097798  s: 178.041425966  dkappa: 9.13564041992e-07  }  path\_point {  x: 552769.042219  y: 4182661.19402  theta: -2.34837065059  kappa: -0.000176916132966  s: 178.181415425  dkappa: 9.14637799528e-07  }  path\_point {  x: 552768.944008  y: 4182661.09426  theta: -2.34839540802  kappa: -0.000176788019832  s: 178.321404904  dkappa: 9.15682553464e-07  }  path\_point {  x: 552768.845794  y: 4182660.9945  theta: -2.34842014752  kappa: -0.000176659762455  s: 178.461394401  dkappa: 9.16698303872e-07  }  path\_point {  x: 552768.747578  y: 4182660.89475  theta: -2.34844486904  kappa: -0.000176531364897  s: 178.601383919  dkappa: 9.17685050829e-07  }  path\_point {  x: 552768.649359  y: 4182660.795  theta: -2.34846957259  kappa: -0.000176402831216  s: 178.741373456  dkappa: 9.18642794411e-07  }  path\_point {  x: 552768.551138  y: 4182660.69525  theta: -2.34849425814  kappa: -0.000176274165472  s: 178.881363013  dkappa: 9.19571534696e-07  }  path\_point {  x: 552768.452914  y: 4182660.59551  theta: -2.34851892568  kappa: -0.000176145371727  s: 179.02135259  dkappa: 9.2047127176e-07  }  path\_point {  x: 552768.354688  y: 4182660.49576  theta: -2.34854357517  kappa: -0.00017601645404  s: 179.161342187  dkappa: 9.21342005684e-07  }  path\_point {  x: 552768.256459  y: 4182660.39602  theta: -2.34856820662  kappa: -0.000175887416471  s: 179.301331803  dkappa: 9.22183736546e-07  }  path\_point {  x: 552768.158228  y: 4182660.29628  theta: -2.34859282  kappa: -0.000175758263079  s: 179.44132144  dkappa: 9.22996464427e-07  }  path\_point {  x: 552768.059995  y: 4182660.19655  theta: -2.34861741529  kappa: -0.000175628997926  s: 179.581311097  dkappa: 9.23780189408e-07  }  path\_point {  x: 552767.961759  y: 4182660.09681  theta: -2.34864199248  kappa: -0.00017549962507  s: 179.721300774  dkappa: 9.24534911572e-07  }  path\_point {  x: 552767.86352  y: 4182659.99708  theta: -2.34866655156  kappa: -0.000175370148573  s: 179.861290471  dkappa: 9.25260631001e-07  }  }  adc\_position {  header {  timestamp\_sec: 1551784842.27  module\_name: "localization"  sequence\_num: 9848  }  pose {  position {  x: 552873.141037  y: 4182766.70679  z: 10.1238040924  }  orientation {  qx: -0.000323303422192  qy: 0.000815817154944  qz: 0.920587062836  qw: 0.390536427498  }  linear\_velocity {  x: -6.19401931763  y: 0.139211624861  z: 0.00012568384409  }  linear\_acceleration {  x: 1.16016503123  y: -1.22026663655  z: -9.73815022864  }  angular\_velocity {  x: -0.00663688040913  y: 0.00815596257312  z: -0.00546781640439  }  heading: -2.37322587092  linear\_acceleration\_vrf {  x: -1.67169570923  y: 0.00165775418282  z: -9.74022761732  }  angular\_velocity\_vrf {  x: 0.0104836253449  y: -0.00090268754866  z: -0.00545377610251  }  euler\_angles {  x: -5.15255311342e-05  y: -6.28266066447  z: 4.73416724653  }  }  measurement\_time: 1551784841.11  }  chassis {  engine\_started: true  engine\_rpm: 2932.14501953  speed\_mps: 6.19558286667  odometer\_m: 0.0  fuel\_range\_m: 0  throttle\_percentage: 0.0  brake\_percentage: 18.5281295776  steering\_percentage: -0.089457757771  parking\_brake: false  high\_beam\_signal: false  low\_beam\_signal: false  left\_turn\_signal: false  right\_turn\_signal: false  wiper: false  driving\_mode: COMPLETE\_AUTO\_DRIVE  header {  timestamp\_sec: 1551784841.0  module\_name: "chassis"  sequence\_num: 0  }  chassis\_gps {  latitude: 37.7907462426  longitude: -122.399470645  gps\_valid: true  year: 2019  month: 3  day: 5  hours: 20  minutes: 20  seconds: 40  compass\_direction: 270.0  pdop: 0.1  is\_gps\_fault: false  is\_inferred: false  altitude: 0.0  heading: 271.275848389  hdop: 0.1  vdop: 0.1  quality: FIX\_3D  num\_satellites: 15  gps\_speed: 6.19558334351  }  }  routing {  header {  timestamp\_sec: 1551784772.06  module\_name: "routing"  sequence\_num: 2  }  road {  id: "road\_8"  passage {  segment {  id: "lane\_26"  start\_s: 26.3691447099  end\_s: 84.0856170654  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_323"  passage {  segment {  id: "lane\_751"  start\_s: 0.0  end\_s: 60.450843811  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_9"  passage {  segment {  id: "lane\_29"  start\_s: 0.0  end\_s: 104.090011597  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_312"  passage {  segment {  id: "lane\_740"  start\_s: 0.0  end\_s: 23.2549514771  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_22"  passage {  segment {  id: "lane\_58"  start\_s: 0.0  end\_s: 48.8097381592  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_382"  passage {  segment {  id: "lane\_810"  start\_s: 0.0  end\_s: 27.033449173  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_18"  passage {  segment {  id: "lane\_51"  start\_s: 0.0  end\_s: 171.723190308  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_252"  passage {  segment {  id: "lane\_680"  start\_s: 0.0  end\_s: 16.9376068115  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_19"  passage {  segment {  id: "lane\_53"  start\_s: 0.0  end\_s: 69.760925293  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_285"  passage {  segment {  id: "lane\_713"  start\_s: 0.0  end\_s: 23.7159156799  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_17"  passage {  segment {  id: "lane\_46"  start\_s: 0.0  end\_s: 169.687713623  }  can\_exit: false  change\_lane\_type: RIGHT  }  passage {  segment {  id: "lane\_47"  start\_s: 0.0  end\_s: 163.337127686  }  can\_exit: true  change\_lane\_type: LEFT  }  }  road {  id: "road\_319"  passage {  segment {  id: "lane\_747"  start\_s: 0.0  end\_s: 15.8914070129  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_10"  passage {  segment {  id: "lane\_30"  start\_s: 0.0  end\_s: 20.9703903198  }  segment {  id: "lane\_33"  start\_s: 0.0  end\_s: 72.5147094727  }  segment {  id: "lane\_32"  start\_s: 0.0  end\_s: 10.6270570755  }  can\_exit: false  change\_lane\_type: LEFT  }  passage {  segment {  id: "lane\_31"  start\_s: 0.0  end\_s: 27.3075065613  }  segment {  id: "lane\_34"  start\_s: 0.0  end\_s: 72.4183959961  }  segment {  id: "lane\_35"  start\_s: 0.0  end\_s: 11.0445337296  }  can\_exit: true  change\_lane\_type: RIGHT  }  }  road {  id: "road\_329"  passage {  segment {  id: "lane\_757"  start\_s: 0.0  end\_s: 40.0063018799  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_25"  passage {  segment {  id: "lane\_69"  start\_s: 0.0  end\_s: 150.688049316  }  can\_exit: false  change\_lane\_type: RIGHT  }  passage {  segment {  id: "lane\_70"  start\_s: 0.0  end\_s: 151.116958618  }  can\_exit: false  change\_lane\_type: RIGHT  }  passage {  segment {  id: "lane\_71"  start\_s: 0.0  end\_s: 151.632583618  }  can\_exit: true  change\_lane\_type: LEFT  }  }  road {  id: "road\_244"  passage {  segment {  id: "lane\_672"  start\_s: 0.0  end\_s: 29.7001686096  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_35"  passage {  segment {  id: "lane\_108"  start\_s: 0.0  end\_s: 113.989044189  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_425"  passage {  segment {  id: "lane\_853"  start\_s: 0.0  end\_s: 14.8256635666  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_34"  passage {  segment {  id: "lane\_104"  start\_s: 0.0  end\_s: 69.2200775146  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_415"  passage {  segment {  id: "lane\_843"  start\_s: 0.0  end\_s: 14.9694032669  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_31"  passage {  segment {  id: "lane\_92"  start\_s: 0.0  end\_s: 112.11530304  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_238"  passage {  segment {  id: "lane\_666"  start\_s: 0.0  end\_s: 23.0466651917  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_2"  passage {  segment {  id: "lane\_8"  start\_s: 0.0  end\_s: 128.144210815  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_383"  passage {  segment {  id: "lane\_811"  start\_s: 0.0  end\_s: 23.0454616547  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_26"  passage {  segment {  id: "lane\_72"  start\_s: 0.0  end\_s: 125.517097473  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_362"  passage {  segment {  id: "lane\_790"  start\_s: 0.0  end\_s: 14.5771217346  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_8"  passage {  segment {  id: "lane\_27"  start\_s: 0.0  end\_s: 77.0680465698  }  can\_exit: false  change\_lane\_type: LEFT  }  passage {  segment {  id: "lane\_26"  start\_s: 0.0  end\_s: 84.0856170654  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_323"  passage {  segment {  id: "lane\_751"  start\_s: 0.0  end\_s: 60.450843811  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_9"  passage {  segment {  id: "lane\_29"  start\_s: 0.0  end\_s: 30.6768432333  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  measurement {  distance: 1921.64216069  }  routing\_request {  header {  timestamp\_sec: 1551784772.06  module\_name: "dreamview"  sequence\_num: 4  }  waypoint {  id: "lane\_26"  s: 26.3691447099  pose {  x: 552877.855931  y: 4182770.3903  }  }  waypoint {  id: "lane\_26"  s: 30.9100699705  pose {  x: 552874.060995  y: 4182767.75035  }  }  waypoint {  id: "lane\_26"  s: 34.2971542004  pose {  x: 552871.916031  y: 4182765.11039  }  }  waypoint {  id: "lane\_26"  s: 42.1097795875  pose {  x: 552866.141128  y: 4182759.83048  }  }  waypoint {  id: "lane\_26"  s: 48.2998559591  pose {  x: 552862.181194  y: 4182755.04556  }  }  waypoint {  id: "lane\_26"  s: 54.3720911721  pose {  x: 552858.221261  y: 4182750.42564  }  }  waypoint {  id: "lane\_26"  s: 61.2653335819  pose {  x: 552853.931333  y: 4182744.98073  }  }  waypoint {  id: "lane\_26"  s: 68.4837608205  pose {  x: 552847.991433  y: 4182740.6908  }  }  waypoint {  id: "lane\_26"  s: 74.2074702307  pose {  x: 552844.361494  y: 4182736.23588  }  }  waypoint {  id: "lane\_26"  s: 80.9825922925  pose {  x: 552840.071566  y: 4182730.95596  }  }  waypoint {  id: "lane\_751"  s: 5.27247552135  pose {  x: 552833.801671  y: 4182725.34606  }  }  waypoint {  id: "lane\_751"  s: 17.8664924829  pose {  x: 552824.231832  y: 4182717.0962  }  }  waypoint {  id: "lane\_751"  s: 24.7502382459  pose {  x: 552819.281915  y: 4182712.31128  }  }  waypoint {  id: "lane\_757"  s: 21.0320340333  pose {  x: 552809.918292  y: 4182700.92147  }  }  waypoint {  id: "lane\_751"  s: 47.7605741931  pose {  x: 552803.896945  y: 4182695.16192  }  }  waypoint {  id: "lane\_751"  s: 56.4650179828  pose {  x: 552798.399192  y: 4182688.35518  }  }  waypoint {  id: "lane\_29"  s: 2.90770276043  pose {  x: 552792.116047  y: 4182684.69001  }  }  waypoint {  id: "lane\_29"  s: 12.34637827  pose {  x: 552785.047509  y: 4182678.40687  }  }  waypoint {  id: "lane\_29"  s: 25.3076706999  pose {  x: 552776.408184  y: 4182668.72035  }  }  waypoint {  id: "lane\_29"  s: 30.6768432333  pose {  x: 552772.743016  y: 4182664.79339  }  }  }  map\_version: "1.500000"  status {  error\_code: OK  msg: "Success!"  }  }  init\_point {  path\_point {  x: 552870.314619  y: 4182763.95132  theta: -2.37194634848  kappa: 0.000225016343821  s: 0.0  dkappa: 0.00014186425058  ddkappa: 0.0  }  v: 4.87527918161  a: 1.0709888854  relative\_time: 0.128483533859  }  speed\_plan {  name: "DpStSpeedOptimizer"  speed\_point {  s: 0.0  t: 0.0  }  speed\_point {  s: 5.23510074615  t: 1.0  }  speed\_point {  s: 11.2554655075  t: 2.0  }  speed\_point {  s: 17.7993412018  t: 3.0  }  speed\_point {  s: 24.604970932  t: 4.0  }  speed\_point {  s: 31.6723556519  t: 5.0  }  speed\_point {  s: 39.0015449524  t: 6.0  }  }  speed\_plan {  name: "QpSplineStSpeedOptimizer"  speed\_point {  s: 0.0  t: 0.0  v: 4.87527918161  a: 1.07305966911  da: 0.0877455151331  }  speed\_point {  s: 0.0977203099877  t: 0.02  v: 4.89675740993  a: 1.07473753146  da: 0.0800560652948  }  speed\_point {  s: 0.195870509892  t: 0.04  v: 4.91826766375  a: 1.07626252556  da: 0.0724586914616  }  speed\_point {  s: 0.294451209773  t: 0.06  v: 4.93980690411  a: 1.07763649295  da: 0.0649533936335  }  speed\_point {  s: 0.393462959278  t: 0.08  v: 4.9613721289  a: 1.07886127515  da: 0.0575401718105  }  speed\_point {  s: 0.492906248382  t: 0.1  v: 4.98296037283  a: 1.07993871367  da: 0.0502190259925  }  speed\_point {  s: 0.592781508121  t: 0.12  v: 5.00456870743  a: 1.08087065003  da: 0.0429899561797  }  speed\_point {  s: 0.693089111331  t: 0.14  v: 5.02619424109  a: 1.08165892575  da: 0.0358529623719  }  speed\_point {  s: 0.793829373385  t: 0.16  v: 5.047834119  a: 1.08230538236  da: 0.0288080445693  }  speed\_point {  s: 0.895002552925  t: 0.18  v: 5.0694855232  a: 1.08281186138  da: 0.0218552027717  }  speed\_point {  s: 0.996608852605  t: 0.2  v: 5.09114567255  a: 1.08318020431  da: 0.0149944369792  }  speed\_point {  s: 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speed\_profile {  s: 44.1433905591  t: 6.1  v: 8.61722792226  a: 0.356132118484  da: 0.119248719756  }  speed\_profile {  s: 44.3158065038  t: 6.12  v: 8.62437456864  a: 0.358540231174  da: 0.121562300292  }  speed\_profile {  s: 44.488365866  t: 6.14  v: 8.63156983989  a: 0.360994600536  da: 0.12387438691  }  speed\_profile {  s: 44.6610696277  t: 6.16  v: 8.63881466084  a: 0.363495196691  da: 0.126184979611  }  speed\_profile {  s: 44.833918789  t: 6.18  v: 8.64610995574  a: 0.366041989761  da: 0.128494078394  }  speed\_profile {  s: 45.0069143686  t: 6.2  v: 8.65345664821  a: 0.368634949867  da: 0.13080168326  }  speed\_profile {  s: 45.1800574037  t: 6.22  v: 8.66085566131  a: 0.371274047132  da: 0.133107794208  }  speed\_profile {  s: 45.35334895  t: 6.24  v: 8.66830791748  a: 0.373959251676  da: 0.135412411238  }  speed\_profile {  s: 45.5267900815  t: 6.26  v: 8.67581433856  a: 0.376690533622  da: 0.137715534351  }  speed\_profile {  s: 45.7003818908  t: 6.28  v: 8.68337584581  a: 0.379467863091  da: 0.140017163546  }  speed\_profile {  s: 45.8741254887  t: 6.3  v: 8.69099335987  a: 0.382291210204  da: 0.142317298823  }  speed\_profile {  s: 46.0480220047  t: 6.32  v: 8.6986678008  a: 0.385160545084  da: 0.144615940183  }  speed\_profile {  s: 46.2220725864  t: 6.34  v: 8.70640008806  a: 0.388075837852  da: 0.146913087626  }  speed\_profile {  s: 46.3962784  t: 6.36  v: 8.7141911405  a: 0.39103705863  da: 0.14920874115  }  speed\_profile {  s: 46.5706406299  t: 6.38  v: 8.72204187639  a: 0.394044177539  da: 0.151502900758  }  speed\_profile {  s: 46.745160479  t: 6.4  v: 8.72995321339  a: 0.397097164701  da: 0.153795566447  }  speed\_profile {  s: 46.9198391685  t: 6.42  v: 8.73792606857  a: 0.400195990237  da: 0.156086738219  }  speed\_profile {  s: 47.094677938  t: 6.44  v: 8.74596135839  a: 0.40334062427  da: 0.158376416073  }  speed\_profile {  s: 47.2696780452  t: 6.46  v: 8.75405999873  a: 0.406531036921  da: 0.16066460001  }  speed\_profile {  s: 47.4448407664  t: 6.48  v: 8.76222290486  a: 0.409767198311  da: 0.162951290029  }  speed\_profile {  s: 47.620167396  t: 6.5  v: 8.77045099146  a: 0.413049078562  da: 0.16523648613  }  speed\_profile {  s: 47.7956592467  t: 6.52  v: 8.7787451726  a: 0.416376647797  da: 0.167520188314  }  speed\_profile {  s: 47.9713176496  t: 6.54  v: 8.78710636176  a: 0.419749876136  da: 0.16980239658  }  speed\_profile {  s: 48.147143954  t: 6.56  v: 8.79553547184  a: 0.423168733701  da: 0.172083110929  }  speed\_profile {  s: 48.3231395273  t: 6.58  v: 8.8040334151  a: 0.426633190613  da: 0.17436233136  }  speed\_profile {  s: 48.4993057555  t: 6.6  v: 8.81260110326  a: 0.430143216995  da: 0.176640057873  }  speed\_profile {  s: 48.6756440425  t: 6.62  v: 8.82123944738  a: 0.433698782969  da: 0.178916290469  }  speed\_profile {  s: 48.8521558105  t: 6.64  v: 8.82994935797  a: 0.437299858655  da: 0.181191029147  }  speed\_profile {  s: 49.0288425  t: 6.66  v: 8.83873174493  a: 0.440946414175  da: 0.183464273908  }  speed\_profile {  s: 49.2057055696  t: 6.68  v: 8.84758751754  a: 0.444638419652  da: 0.185736024751  }  speed\_profile {  s: 49.382746496  t: 6.7  v: 8.85651758451  a: 0.448375845206  da: 0.188006281676  }  speed\_profile {  s: 49.5599667743  t: 6.72  v: 8.86552285395  a: 0.452158660959  da: 0.190275044684  }  speed\_profile {  s: 49.7373679176  t: 6.74  v: 8.87460423335  a: 0.455986837034  da: 0.192542313774  }  speed\_profile {  s: 49.9149514571  t: 6.76  v: 8.88376262963  a: 0.459860343551  da: 0.194808088946  }  speed\_profile {  s: 50.0927189422  t: 6.78  v: 8.8929989491  a: 0.463779150632  da: 0.197072370201  }  speed\_profile {  s: 50.2706719406  t: 6.8  v: 8.90231409746  a: 0.467743228399  da: 0.199335157538  }  speed\_profile {  s: 50.4488120377  t: 6.82  v: 8.91170897984  a: 0.471752546974  da: 0.201596450958  }  speed\_profile {  s: 50.6271408373  t: 6.84  v: 8.92118450075  a: 0.475807076478  da: 0.20385625046  }  speed\_profile {  s: 50.8056599613  t: 6.86  v: 8.93074156411  a: 0.479906787033  da: 0.206114556044  }  speed\_profile {  s: 50.9843710495  t: 6.88  v: 8.94038107324  a: 0.48405164876  da: 0.208371367711  }  speed\_profile {  s: 51.1632757599  t: 6.9  v: 8.95010393087  a: 0.488241631782  da: 0.21062668546  }  speed\_profile {  s: 51.3423757685  t: 6.92  v: 8.95991103912  a: 0.492476706219  da: 0.212880509292  }  speed\_profile {  s: 51.5216727692  t: 6.94  v: 8.96980329953  a: 0.496756842194  da: 0.215132839206  }  speed\_profile {  s: 51.7011684741  t: 6.96  v: 8.97978161302  a: 0.501082009828  da: 0.217383675202  }  speed\_profile {  s: 51.8808646134  t: 6.98  v: 8.98984687993  a: 0.505452179243  da: 0.219633017281  }  speed\_profile {  s: 52.060762935  t: 7.0  v: 9.0  a: 0.50986732056  da: 0.221880865442  }  speed\_profile {  s: 52.2408652051  t: 7.02  v: 9.01024187237  a: 0.514327403901  da: 0.224127219685  }  speed\_constraint {  t: 0.0  t: 0.233333333333  t: 0.466666666667  t: 0.7  t: 0.933333333333  t: 1.16666666667  t: 1.4  t: 1.63333333333  t: 1.86666666667  t: 2.1  t: 2.33333333333  t: 2.56666666667  t: 2.8  t: 3.03333333333  t: 3.26666666667  t: 3.5  t: 3.73333333333  t: 3.96666666667  t: 4.2  t: 4.43333333333  t: 4.66666666667  t: 4.9  t: 5.13333333333  t: 5.36666666667  t: 5.6  t: 5.83333333333  t: 6.06666666667  t: 6.3  t: 6.53333333333  t: 6.76666666667  t: 7.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  lower\_bound: 0.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  upper\_bound: 9.0  }  kernel\_cruise\_ref {  t: 0.0  t: 0.233333333333  t: 0.466666666667  t: 0.7  t: 0.933333333333  t: 1.16666666667  t: 1.4  t: 1.63333333333  t: 1.86666666667  t: 2.1  t: 2.33333333333  t: 2.56666666667  t: 2.8  t: 3.03333333333  t: 3.26666666667  t: 3.5  t: 3.73333333333  t: 3.96666666667  t: 4.2  t: 4.43333333333  t: 4.66666666667  t: 4.9  t: 5.13333333333  t: 5.36666666667  t: 5.6  t: 5.83333333333  t: 6.06666666667  t: 6.3  t: 6.53333333333  t: 6.76666666667  t: 7.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  cruise\_line\_s: 250.0  }  }  prediction\_header {  timestamp\_sec: 1551784842.2  module\_name: "lag\_prediction"  sequence\_num: 868  lidar\_timestamp: 0  camera\_timestamp: 0  radar\_timestamp: 0  }  signal\_light {  adc\_speed: 6.19558286667  adc\_front\_s: 37.5443203355  signal {  light\_id: "signal\_26"  color: GREEN  light\_stop\_s: 81.7454696414  adc\_stop\_deacceleration: 0.434210961259  }  }  obstacle {  id: "1021\_0"  sl\_boundary {  start\_s: 16.6906035934  end\_s: 18.9494007243  start\_l: -1.33362635979  end\_l: 1.51494022779  }  decision\_tag {  decider\_tag: "reference\_line\_filter"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "reference\_line\_filter"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1022\_0"  sl\_boundary {  start\_s: 5.37090945296  end\_s: 6.67233374963  start\_l: -16.3658856236  end\_l: -15.2010947592  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1024\_0"  sl\_boundary {  start\_s: 8.41145861678  end\_s: 9.39101927917  start\_l: -6.43808264927  end\_l: -6.05137430705  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1025\_0"  sl\_boundary {  start\_s: 15.6977961807  end\_s: 16.9173711979  start\_l: -7.64768552501  end\_l: -7.3257401372  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1027\_0"  sl\_boundary {  start\_s: 29.7152693694  end\_s: 31.5936037962  start\_l: 11.1162990704  end\_l: 12.7126340883  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1028\_0"  sl\_boundary {  start\_s: 11.6835385579  end\_s: 15.0369977638  start\_l: 11.4881295365  end\_l: 12.7256121214  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1029\_0"  sl\_boundary {  start\_s: 30.0536813054  end\_s: 39.1729030715  start\_l: 6.34525681019  end\_l: 10.4339172689  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "1029\_1"  sl\_boundary {  start\_s: 30.0536813054  end\_s: 39.1729030715  start\_l: 6.34525681019  end\_l: 10.4339172689  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "1030\_0"  sl\_boundary {  start\_s: 5.91522831914  end\_s: 8.28912667889  start\_l: -6.2903382663  end\_l: -5.58389943827  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1032\_0"  sl\_boundary {  start\_s: 10.6031213508  end\_s: 10.7303018081  start\_l: -7.68515192416  end\_l: -7.62405225379  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1038\_0"  sl\_boundary {  start\_s: 17.8850170404  end\_s: 21.6342483886  start\_l: 7.50203425616  end\_l: 9.17682846077  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1038\_1"  sl\_boundary {  start\_s: 17.8850170404  end\_s: 21.6342483886  start\_l: 7.50203425616  end\_l: 9.17682846077  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1039\_0"  sl\_boundary {  start\_s: 52.5240765851  end\_s: 55.7100863891  start\_l: 7.83102256228  end\_l: 9.10156982422  }  decision\_tag {  decider\_tag: "PathDecider/not-in-l"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "1039\_1"  sl\_boundary {  start\_s: 52.5240765851  end\_s: 55.7100863891  start\_l: 7.83102256228  end\_l: 9.10156982422  }  decision\_tag {  decider\_tag: "PathDecider/not-in-l"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "1040\_0"  sl\_boundary {  start\_s: 55.22346974  end\_s: 55.9517594297  start\_l: 11.2939018593  end\_l: 12.2650128964  }  decision\_tag {  decider\_tag: "PathDecider/not-in-l"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "1042\_0"  sl\_boundary {  start\_s: 20.8273715719  end\_s: 30.3791704566  start\_l: -26.1878965459  end\_l: -26.1197167421  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "backside\_vehicle/no-st-region"  decision {  ignore {  }  }  }  }  obstacle {  id: "1044\_0"  sl\_boundary {  start\_s: 45.0312543727  end\_s: 45.9705519595  start\_l: 10.6658409546  end\_l: 10.7523000553  }  decision\_tag {  decider\_tag: "PathDecider/not-in-l"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "1045\_0"  sl\_boundary {  start\_s: 46.0639059317  end\_s: 47.6016723277  start\_l: 10.7491832814  end\_l: 10.9004120126  }  decision\_tag {  decider\_tag: "PathDecider/not-in-l"  decision {  ignore {  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  obstacle {  id: "DEST"  sl\_boundary {  start\_s: 172.361968936  end\_s: 172.477675732  start\_l: -1.721556859  end\_l: 1.77885726582  }  decision\_tag {  decider\_tag: "DESTINATION"  decision {  stop {  reason\_code: STOP\_REASON\_DESTINATION  distance\_s: -0.5  stop\_point {  x: 552773.473099  y: 4182665.69987  z: 0.0  }  stop\_heading: -2.34721287893  }  }  }  decision\_tag {  decider\_tag: "dp\_st\_graph"  decision {  ignore {  }  }  }  }  reference\_line {  id: "26\_1"  length: 179.861290471  cost: 10.0  is\_change\_lane\_path: false  is\_drivable: true  is\_protected: false  }  dp\_poly\_graph {  sample\_layer {  sl\_point {  s: 53.9047546387  l: -0.0991386249661  }  sl\_point {  s: 53.9047546387  l: 0.1091947034  }  sl\_point {  s: 53.9047546387  l: 0.317528039217  }  sl\_point {  s: 53.9047546387  l: 0.525861382484  }  sl\_point {  s: 53.9047546387  l: 0.73419469595  }  sl\_point {  s: 53.9047546387  l: 0.942528009415  }  sl\_point {  s: 53.9047546387  l: 1.15086138248  }  }  sample\_layer {  sl\_point {  s: 73.9047546387  l: 0.0172790717334  }  sl\_point {  s: 73.9047546387  l: 0.225612401962  }  sl\_point {  s: 73.9047546387  l: 0.433945715427  }  sl\_point {  s: 73.9047546387  l: 0.642279028893  }  sl\_point {  s: 73.9047546387  l: 0.850612342358  }  sl\_point {  s: 73.9047546387  l: 1.05894565582  }  sl\_point {  s: 73.9047546387  l: 1.26727902889  }  }  min\_cost\_point {  s: 33.9047547802  l: 0.301281613663  }  min\_cost\_point {  s: 73.9047546387  l: 0.0172790717334  }  }  front\_clear\_distance: 2.09501295537  }  }  is\_replan: false  gear: GEAR\_DRIVE  trajectory\_point {  path\_point {  x: 552873.16158  y: 4182766.70975  theta: -2.37169030763  kappa: -0.000373833713541  s: -3.96409652488  dkappa: 1.28219059041e-05  ddkappa: 0.0  }  v: 3.9484362423  a: 0.965590175228  relative\_time: -1.24921417236  }  trajectory\_point {  path\_point {  x: 552873.104738  y: 4182766.65465  theta: -2.37171357014  kappa: -0.00036094718644  s: -3.88493438514  dkappa: 2.57066761143e-05  ddkappa: 0.0  }  v: 3.9677924011  a: 0.96999098051  relative\_time: -1.22921419144  }  trajectory\_point {  path\_point {  x: 552873.047616  y: 4182766.59929  theta: -2.37173694667  kappa: -0.00034799749989  s: -3.80538425591  dkappa: 3.8654597162e-05  ddkappa: 0.0  }  v: 3.98723450104  a: 0.974184714342  relative\_time: -1.20921421051  }  trajectory\_point {  path\_point {  x: 552872.990215  y: 4182766.54365  theta: -2.3717604377  kappa: -0.000334984380804  s: -3.72544445961  dkappa: 5.1665942097e-05  ddkappa: 0.0  }  v: 4.00675842619  a: 0.978173926239  relative\_time: -1.18921422958  }  trajectory\_point {  path\_point {  x: 552872.932533  y: 4182766.48774  theta: -2.37178404371  kappa: -0.000321907569414  s: -3.64511340047  dkappa: 6.47409706537e-05  ddkappa: 0.0  }  v: 4.02636011161  a: 0.981961165715  relative\_time: -1.16921424866  }  trajectory\_point {  path\_point {  x: 552872.874569  y: 4182766.43156  theta: -2.37180776515  kappa: -0.0003087668191  s: -3.56438956351  dkappa: 7.78799294169e-05  ddkappa: 0.0  }  v: 4.04603554334  a: 0.985548982284  relative\_time: -1.14921426773  }  trajectory\_point {  path\_point {  x: 552872.816325  y: 4182766.3751  z: 0.0  theta: -2.37183168601  kappa: -0.000295561897739  s: -3.48327151352  dkappa: 0.0  ddkappa: 0.0  }  v: 4.06578075841  a: 0.993220898783  relative\_time: -1.12921404839  }  trajectory\_point {  path\_point {  x: 552872.757785  y: 4182766.31838  theta: -2.3718483218  kappa: -0.00028249809728  s: -3.40175699311  dkappa: 1.30619485526e-05  ddkappa: 0.0  }  v: 4.08568417198  a: 0.997087599914  relative\_time: -1.10921406746  }  trajectory\_point {  path\_point {  x: 552872.698959  y: 4182766.26138  theta: -2.37186503899  kappa: -0.000269370379176  s: -3.31984364418  dkappa: 2.61878056877e-05  ddkappa: 0.0  }  v: 4.10566295605  a: 1.00075834742  relative\_time: -1.08921408653  }  trajectory\_point {  path\_point {  x: 552872.639845  y: 4182766.2041  theta: -2.37188183786  kappa: -0.000256178508102  s: -3.23752999837  dkappa: 3.93778066995e-05  ddkappa: 0.0  }  v: 4.12571321545  a: 1.00423553049  relative\_time: -1.06921410561  }  trajectory\_point {  path\_point {  x: 552872.580443  y: 4182766.14654  theta: -2.37189871872  kappa: -0.000242922261138  s: -3.15481466472  dkappa: 5.26321744752e-05  ddkappa: 0.0  }  v: 4.14583110277  a: 1.0075215383  relative\_time: -1.04921412468  }  trajectory\_point {  path\_point {  x: 552872.520751  y: 4182766.0887  theta: -2.37191568182  kappa: -0.00022960142762  s: -3.07169632875  dkappa: 6.59511196486e-05  ddkappa: 0.0  }  v: 4.1660128184  a: 1.01061876003  relative\_time: -1.02921414375  }  trajectory\_point {  path\_point {  x: 552872.460769  y: 4182766.03057  theta: -2.37193272742  kappa: -0.000216215808988  s: -2.98817375149  dkappa: 7.9334840753e-05  ddkappa: 0.0  }  v: 4.18625461052  a: 1.01352958487  relative\_time: -1.00921416283  }  trajectory\_point {  path\_point {  x: 552872.400496  y: 4182765.97217  theta: -2.37194985576  kappa: -0.000202765218629  s: -2.90424576853  dkappa: 9.27835243741e-05  ddkappa: 0.0  }  v: 4.20655277508  a: 1.01625640199  relative\_time: -0.989213943481  }  trajectory\_point {  path\_point {  x: 552872.339931  y: 4182765.91348  theta: -2.37196706705  kappa: -0.000189249481726  s: -2.81991128906  dkappa: 0.000106297345304  ddkappa: 0.0  }  v: 4.22690365581  a: 1.01880160058  relative\_time: -0.969213962555  }  trajectory\_point {  path\_point {  x: 552872.279073  y: 4182765.85451  theta: -2.37198436152  kappa: -0.000175668435106  s: -2.73516929492  dkappa: 0.000119876466692  ddkappa: 0.0  }  v: 4.24730364424  a: 1.02116756983  relative\_time: -0.949213981628  }  trajectory\_point {  path\_point {  x: 552872.217922  y: 4182765.79526  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552871.970356  y: 4182765.5554  theta: -2.37205261875  kappa: -0.000109096010472  s: -2.30531593359  dkappa: 0.00015794645007  ddkappa: 0.0  }  v: 4.34991724993  a: 1.03039259716  relative\_time: -0.849214076996  }  trajectory\_point {  path\_point {  x: 552871.907722  y: 4182765.49472  theta: -2.37206086774  kappa: -9.62568099612e-05  s: -2.21811141795  dkappa: 0.000156810119811  ddkappa: 0.0  }  v: 4.37053878236  a: 1.03173336313  relative\_time: -0.829214096069  }  trajectory\_point {  path\_point {  x: 552871.844791  y: 4182765.43376  theta: -2.37206915577  kappa: -8.33568490301e-05  s: -2.13049421439  dkappa: 0.000155668411966  ddkappa: 0.0  }  v: 4.39118550109  a: 1.03291162402  relative\_time: -0.809214115143  }  trajectory\_point {  path\_point {  x: 552871.781563  y: 4182765.37251  theta: -2.37207748289  kappa: -7.03960582759e-05  s: -2.04246385152  dkappa: 0.000154521320392  ddkappa: 0.0  }  v: 4.41185417988  a: 1.03392976901  relative\_time: -0.789214134216  }  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relative\_time: -0.629214048386  }  trajectory\_point {  path\_point {  x: 552871.19911  y: 4182764.80827  theta: -2.37209026007  kappa: 4.91873767405e-05  s: -1.23153134579  dkappa: 5.38571162134e-05  ddkappa: 0.0  }  v: 4.59898890041  a: 1.04912467022  relative\_time: -0.609214067459  }  trajectory\_point {  path\_point {  x: 552871.132895  y: 4182764.74412  theta: -2.37208282842  kappa: 6.28083769586e-05  s: -1.13934161109  dkappa: 6.74760548648e-05  ddkappa: 0.0  }  v: 4.6199910216  a: 1.05106011137  relative\_time: -0.589214086533  }  trajectory\_point {  path\_point {  x: 552871.066376  y: 4182764.67968  z: 0.0  theta: -2.37207525285  kappa: 7.6491496111e-05  s: -1.04673145777  dkappa: 0.0  ddkappa: 0.0  }  v: 4.64103021832  a: 1.05543019188  relative\_time: -0.569214105606  }  trajectory\_point {  path\_point {  x: 552870.999561  y: 4182764.61495  theta: -2.37206453851  kappa: 8.9751452055e-05  s: -0.953699617817  dkappa: 1.32579277053e-05  ddkappa: 0.0  }  v: 4.66216111702  a: 1.05763226819  relative\_time: -0.54921412468  }  trajectory\_point {  path\_point {  x: 552870.932441  y: 4182764.54992  theta: -2.37205377544  kappa: 0.000103071705534  s: -0.860244730407  dkappa: 2.65761437229e-05  ddkappa: 0.0  }  v: 4.68333441925  a: 1.05967087399  relative\_time: -0.529214143753  }  trajectory\_point {  path\_point {  x: 552870.865017  y: 4182764.4846  theta: -2.37204296357  kappa: 0.000116452372785  s: -0.76636598003  dkappa: 3.99547642704e-05  ddkappa: 0.0  }  v: 4.70454687538  a: 1.06154798948  relative\_time: -0.509214162827  }  trajectory\_point {  path\_point {  x: 552870.797289  y: 4182764.41898  theta: -2.37203210278  kappa: 0.000129893560834  s: -0.672062615774  dkappa: 5.33938963602e-05  ddkappa: 0.0  }  v: 4.72579527542  a: 1.06326559485  relative\_time: -0.4892141819  }  trajectory\_point {  path\_point {  x: 552870.729254  y: 4182764.35306  theta: -2.37202119302  kappa: 0.000143395367618  s: -0.577333950532  dkappa: 6.68936379116e-05  ddkappa: 0.0  }  v: 4.74707644897  a: 1.0648256703  relative\_time: -0.469214200974  }  trajectory\_point {  path\_point {  x: 552870.660914  y: 4182764.28685  theta: -2.3720102342  kappa: 0.000156957882089  s: -0.482179360206  dkappa: 8.04540778644e-05  ddkappa: 0.0  }  v: 4.76838726524  a: 1.06623019602  relative\_time: -0.449214220047  }  trajectory\_point {  path\_point {  x: 552870.592268  y: 4182764.22034  theta: -2.37199922627  kappa: 0.000170581184332  s: -0.386598282921  dkappa: 9.40752962912e-05  ddkappa: 0.0  }  v: 4.78972463302  a: 1.0674811522  relative\_time: -0.429214000702  }  trajectory\_point {  path\_point {  x: 552870.523315  y: 4182764.15353  theta: -2.37198816916  kappa: 0.000184265345676  s: -0.290590218228  dkappa: 0.000107757364511  ddkappa: 0.0  }  v: 4.81108550073  a: 1.06858051904  relative\_time: -0.409214019775  }  trajectory\_point {  path\_point {  x: 552870.454055  y: 4182764.08643  theta: -2.37197706282  kappa: 0.00019801042881  s: -0.194154726314  dkappa: 0.000121500345201  ddkappa: 0.0  }  v: 4.83246685639  a: 1.06953027672  relative\_time: -0.389214038849  }  trajectory\_point {  path\_point {  x: 552870.384487  y: 4182764.01903  theta: -2.37196590722  kappa: 0.00021181648789  s: -0.0972914272106  dkappa: 0.00013530429251  ddkappa: 0.0  }  v: 4.85386572761  a: 1.07033240545  relative\_time: -0.369214057922  }  trajectory\_point {  path\_point {  x: 552870.31462  y: 4182763.95132  z: 0.0  theta: -2.37194624075  kappa: 0.000225016337721  s: 0.0  dkappa: 0.0  ddkappa: 0.0  }  v: 4.87527918161  a: 1.07305966911  relative\_time: -0.349214076996  }  trajectory\_point {  path\_point {  x: 552870.244453  y: 4182763.88331  theta: -2.37191668752  kappa: 0.000237907966493  s: 0.0977203099877  dkappa: 1.28896677293e-05  ddkappa: 0.0  }  v: 4.89675740993  a: 1.07473753146  relative\_time: -0.329214076996  }  trajectory\_point {  path\_point {  x: 552870.173978  y: 4182763.815  theta: -2.37188700427  kappa: 0.000250856307951  s: 0.195870509892  dkappa: 2.58360395173e-05  ddkappa: 0.0  }  v: 4.91826766375  a: 1.07626252556  relative\_time: -0.309214076996  }  trajectory\_point {  path\_point {  x: 552870.103194  y: 4182763.74638  theta: -2.37185719083  kappa: 0.000263861442576  s: 0.294451209773  dkappa: 3.88391958329e-05  ddkappa: 0.0  }  v: 4.93980690411  a: 1.07763649295  relative\_time: -0.289214076996  }  trajectory\_point {  path\_point {  x: 552870.0321  y: 4182763.67747  theta: -2.37182724703  kappa: 0.00027692344288  s: 0.393462959278  dkappa: 5.18992091769e-05  ddkappa: 0.0  }  v: 4.9613721289  a: 1.07886127515  relative\_time: -0.269214076996  }  trajectory\_point {  path\_point {  x: 552869.960696  y: 4182763.60826  theta: -2.37179717272  kappa: 0.000290042373501  s: 0.492906248382  dkappa: 6.50161441786e-05  ddkappa: 0.0  }  v: 4.98296037283  a: 1.07993871367  relative\_time: -0.249214076996  }  trajectory\_point {  path\_point {  x: 552869.888983  y: 4182763.53874  theta: -2.37176696778  kappa: 0.000303218291304  s: 0.592781508121  dkappa: 7.81900576934e-05  ddkappa: 0.0  }  v: 5.00456870743  a: 1.08087065003  relative\_time: -0.229214076996  }  trajectory\_point {  path\_point {  x: 552869.816958  y: 4182763.46893  theta: -2.37173663207  kappa: 0.000316451245475  s: 0.693089111331  dkappa: 9.14209988996e-05  ddkappa: 0.0  }  v: 5.02619424109  a: 1.08165892575  relative\_time: -0.209214076996  }  trajectory\_point {  path\_point {  x: 552869.744624  y: 4182763.39881  theta: -2.37170616553  kappa: 0.000329741277619  s: 0.793829373385  dkappa: 0.000104709009396  ddkappa: 0.0  }  v: 5.047834119  a: 1.08230538236  relative\_time: -0.189214076996  }  trajectory\_point {  path\_point {  x: 552869.671978  y: 4182763.3284  theta: -2.37167556805  kappa: 0.000343088421856  s: 0.895002552925  dkappa: 0.000118054123299  ddkappa: 0.0  }  v: 5.0694855232  a: 1.08281186138  relative\_time: -0.169214076996  }  trajectory\_point {  path\_point {  x: 552869.599021  y: 4182763.25768  theta: -2.37164483959  kappa: 0.000356492704923  s: 0.996608852605  dkappa: 0.000131456367338  ddkappa: 0.0  }  v: 5.09114567255  a: 1.08318020431  relative\_time: -0.149214076996  }  trajectory\_point {  path\_point {  x: 552869.525778  y: 4182763.18663  theta: -2.37160170567  kappa: 0.000368536430148  s: 1.09864841982  dkappa: 0.000130506199418  ddkappa: 0.0  }  v: 5.11281182274  a: 1.0834122527  relative\_time: -0.129214076996  }  trajectory\_point {  path\_point {  x: 552869.452224  y: 4182763.11528  theta: -2.37155794513  kappa: 0.000380580087611  s: 1.20112134746  dkappa: 0.000129031427581  ddkappa: 0.0  }  v: 5.1344812663  a: 1.08350984804  relative\_time: -0.109214076996  }  trajectory\_point {  path\_point {  x: 552869.378359  y: 4182763.04363  theta: -2.3715139995  kappa: 0.000392674682579  s: 1.30402767462  dkappa: 0.000127550418336  ddkappa: 0.0  }  v: 5.15615133259  a: 1.08347483187  relative\_time: -0.0892140769958  }  trajectory\_point {  path\_point {  x: 552869.304183  y: 4182762.97168  theta: -2.37146986881  kappa: 0.000404820213414  s: 1.40736738735  dkappa: 0.000126063171885  ddkappa: 0.0  }  v: 5.17781938778  a: 1.08330904571  relative\_time: -0.0692140769958  }  trajectory\_point {  path\_point {  x: 552869.229696  y: 4182762.89943  theta: -2.37142555306  kappa: 0.000417016672329  s: 1.5111404194  dkappa: 0.00012456968918  ddkappa: 0.0  }  v: 5.19948283489  a: 1.08301433107  relative\_time: -0.0492140769958  }  trajectory\_point {  path\_point {  x: 552869.154898  y: 4182762.82687  theta: -2.37138105232  kappa: 0.000429264045477  s: 1.61534665295  dkappa: 0.000123069971918  ddkappa: 0.0  }  v: 5.22113911377  a: 1.08259252947  relative\_time: -0.0292140769958  }  trajectory\_point {  path\_point {  x: 552869.07979  y: 4182762.75402  theta: -2.37133636665  kappa: 0.000441562313034  s: 1.71998591933  dkappa: 0.000121564022525  ddkappa: 0.0  }  v: 5.2427857011  a: 1.08204548244  relative\_time: -0.00921407699585  }  trajectory\_point {  path\_point {  x: 552869.00437  y: 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0.310785923004  }  trajectory\_point {  path\_point {  x: 552867.756411  y: 4182761.46884  theta: -2.37032099558  kappa: 0.000629314714924  s: 3.56471273583  dkappa: 9.6266371575e-05  ddkappa: 0.0  }  v: 5.60702822011  a: 1.05536756431  relative\_time: 0.330785923004  }  trajectory\_point {  path\_point {  x: 552867.675849  y: 4182761.39053  theta: -2.37024970554  kappa: 0.000639483394625  s: 3.67706420949  dkappa: 9.47819324472e-05  ddkappa: 0.0  }  v: 5.62811085771  a: 1.05288099938  relative\_time: 0.350785923004  }  trajectory\_point {  path\_point {  x: 552867.594985  y: 4182761.31192  theta: -2.37017814826  kappa: 0.000649690191613  s: 3.78983683255  dkappa: 9.32919289007e-05  ddkappa: 0.0  }  v: 5.64914285837  a: 1.0503041779  relative\_time: 0.370785923004  }  trajectory\_point {  path\_point {  x: 552867.513819  y: 4182761.23302  theta: -2.3701063244  kappa: 0.000659935012603  s: 3.90302957433  dkappa: 9.17963745532e-05  ddkappa: 0.0  }  v: 5.67012243539  a: 1.04763894139  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5.18285487194e-05  ddkappa: 0.0  }  v: 6.2301713925  a: 0.944592387168  relative\_time: 0.950785923004  }  trajectory\_point {  path\_point {  x: 552864.677364  y: 4182758.4661  theta: -2.36694984853  kappa: 0.000904563833433  s: 7.86552540067  dkappa: 4.50127025879e-05  ddkappa: 0.0  }  v: 6.32351424928  a: 0.922138051915  relative\_time: 1.050785923  }  trajectory\_point {  path\_point {  x: 552864.222348  y: 4182758.02042  theta: -2.36637898587  kappa: 0.000927146604803  s: 8.50244924085  dkappa: 3.83921551768e-05  ddkappa: 0.0  }  v: 6.41457750009  a: 0.89903863292  relative\_time: 1.150785923  }  trajectory\_point {  path\_point {  x: 552863.761095  y: 4182757.56825  theta: -2.36579019338  kappa: 0.000947211253163  s: 9.14836312162  dkappa: 3.18457094429e-05  ddkappa: 0.0  }  v: 6.50330814607  a: 0.875524320195  relative\_time: 1.250785923  }  trajectory\_point {  path\_point {  x: 552863.293924  y: 4182757.10962  theta: -2.36515769457  kappa: 0.000962654550732  s: 9.80303209167  dkappa: 2.55077512365e-05  ddkappa: 0.0  }  v: 6.58967620734  a: 0.851825303754  relative\_time: 1.350785923  }  trajectory\_point {  path\_point {  x: 552862.820989  y: 4182756.6447  theta: -2.36450817118  kappa: 0.000974070123753  s: 10.4662193467  dkappa: 1.93610559395e-05  ddkappa: 0.0  }  v: 6.67367423692  a: 0.8281415813  relative\_time: 1.450785923  }  trajectory\_point {  path\_point {  x: 552862.342377  y: 4182756.17375  theta: -2.36384536661  kappa: 0.00098264349478  s: 11.1376879962  dkappa: 1.33359616232e-05  ddkappa: 0.0  }  v: 6.75530385608  a: 0.804448312307  relative\_time: 1.550785923  }  trajectory\_point {  path\_point {  x: 552861.858405  y: 4182755.69677  theta: -2.36316916025  kappa: 0.000986714850066  s: 11.8172011302  dkappa: 7.55718222558e-06  ddkappa: 0.0  }  v: 6.83456395456  a: 0.780756698487  relative\_time: 1.650785923  }  trajectory\_point {  path\_point {  x: 552861.36922  y: 4182755.21396  theta: -2.36250505559  kappa: 0.000986849583889  s: 12.5045218602  dkappa: 2.00838339183e-06  ddkappa: 0.0  }  v: 6.91145635714  a: 0.757099925336  relative\_time: 1.750785923  }  trajectory\_point {  path\_point {  x: 552860.874913  y: 4182754.72555  theta: -2.36183388159  kappa: 0.000984061383926  s: 13.1994136462  dkappa: -3.37521698126e-06  ddkappa: 0.0  }  v: 6.98598620716  a: 0.733511178353  relative\_time: 1.850785923  }  trajectory\_point {  path\_point {  x: 552860.375737  y: 4182754.23165  theta: -2.36113761575  kappa: 0.000977565350085  s: 13.9016406283  dkappa: -8.51982172757e-06  ddkappa: 0.0  }  v: 7.05816196653  a: 0.710023643036  relative\_time: 1.950785923  }  trajectory\_point {  path\_point {  x: 552859.871932  y: 4182753.73232  theta: -2.36044209169  kappa: 0.000966896916361  s: 14.6109679588  dkappa: -1.33571880486e-05  ddkappa: 0.0  }  v: 7.12799541568  a: 0.686670504883  relative\_time: 2.050785923  }  trajectory\_point {  path\_point {  x: 552859.363539  y: 4182753.22787  theta: -2.35974737559  kappa: 0.000953444253584  s: 15.327162134  dkappa: -1.79900011305e-05  ddkappa: 0.0  }  v: 7.1955016536  a: 0.663484949391  relative\_time: 2.150785923  }  trajectory\_point {  path\_point {  x: 552858.850735  y: 4182752.71845  theta: -2.35905500823  kappa: 0.000937174664984  s: 16.0499913261  dkappa: -2.24047665288e-05  ddkappa: 0.0  }  v: 7.26069909783  a: 0.640500162059  relative\_time: 2.250785923  }  trajectory\_point {  path\_point {  x: 552858.333836  y: 4182752.20405  theta: -2.35837355952  kappa: 0.00091698061492  s: 16.7792257147  dkappa: -2.64570944557e-05  ddkappa: 0.0  }  v: 7.32360948446  a: 0.617749328384  relative\_time: 2.350785923  }  trajectory\_point {  path\_point {  x: 552857.812888  y: 4182751.68497  theta: -2.3577225912  kappa: 0.000894066493629  s: 17.5146378192  dkappa: -3.02410752192e-05  ddkappa: 0.0  }  v: 7.38425786814  a: 0.595265633864  relative\_time: 2.450785923  }  trajectory\_point {  path\_point {  x: 552857.288026  y: 4182751.16139  theta: -2.35708076869  kappa: 0.000868740070256  s: 18.2560028303  dkappa: -3.37732594122e-05  ddkappa: 0.0  }  v: 7.44267262206  a: 0.573082263997  relative\_time: 2.550785923  }  trajectory\_point {  path\_point {  x: 552856.759411  y: 4182750.63345  theta: -2.35643132272  kappa: 0.000841064522961  s: 19.003098942  dkappa: -3.70421193453e-05  ddkappa: 0.0  }  v: 7.49888543795  a: 0.551232404282  relative\_time: 2.650785923  }  trajectory\_point {  path\_point {  x: 552856.227342  y: 4182750.10117  theta: -2.3558064346  kappa: 0.000810341122245  s: 19.7557076833  dkappa: -3.98918028491e-05  ddkappa: 0.0  }  v: 7.5529313261  a: 0.529749240215  relative\_time: 2.750785923  }  trajectory\_point {  path\_point {  x: 552855.691817  y: 4182749.56485  theta: -2.35519894707  kappa: 0.000777764785099  s: 20.5136142502  dkappa: -4.24592002013e-05  ddkappa: 0.0  }  v: 7.60484861536  a: 0.508665957295  relative\_time: 2.850785923  }  trajectory\_point {  path\_point {  x: 552855.152985  y: 4182749.02465  theta: -2.35462128359  kappa: 0.0007434623163  s: 21.2766078376  dkappa: -4.47351417451e-05  ddkappa: 0.0  }  v: 7.65467895312  a: 0.48801574102  relative\_time: 2.950785923  }  trajectory\_point {  path\_point {  x: 552854.610991  y: 4182748.48071  theta: -2.35408198266  kappa: 0.000707574753535  s: 22.0444819709  dkappa: -4.67100919447e-05  ddkappa: 0.0  }  v: 7.7024673053  a: 0.467831776887  relative\_time: 3.050785923  }  trajectory\_point {  path\_point {  x: 552854.066062  y: 4182747.93309  theta: -2.35354528718  kappa: 0.000669998815561  s: 22.8170348383  dkappa: -4.82668820452e-05  ddkappa: 0.0  }  v: 7.74826195641  a: 0.448147250394  relative\_time: 3.150785923  }  trajectory\_point {  path\_point {  x: 552853.518248  y: 4182747.38201  theta: -2.35303481224  kappa: 0.000631361114566  s: 23.5940699195  dkappa: -4.94824149881e-05  ddkappa: 0.0  }  v: 7.79212638307  a: 0.429350016285  relative\_time: 3.250785923  }  trajectory\_point {  path\_point {  x: 552852.967656  y: 4182746.82764  theta: -2.35254963013  kappa: 0.000591934025356  s: 24.3753995431  dkappa: -5.03743017367e-05  ddkappa: 0.0  }  v: 7.83417364412  a: 0.411803315774  relative\_time: 3.350785923  }  trajectory\_point {  path\_point {  x: 552852.414401  y: 4182746.27011  theta: -2.35209693125  kappa: 0.000551918876677  s: 25.1608482388  dkappa: -5.09350124633e-05  ddkappa: 0.0  }  v: 7.87452860619  a: 0.395503414067  relative\_time: 3.450785923  }  trajectory\_point {  path\_point {  x: 552851.858611  y: 4182745.70953  theta: -2.35169844137  kappa: 0.000511549203272  s: 25.9502530046  dkappa: -5.11269180432e-05  ddkappa: 0.0  }  v: 7.91331576241  a: 0.380446576371  relative\_time: 3.550785923  }  trajectory\_point {  path\_point {  x: 552851.30041  y: 4182745.14597  theta: -2.35130714578  kappa: 0.000471242595396  s: 26.7434632688  dkappa: -5.08817073406e-05  ddkappa: 0.0  }  v: 7.95065923244  a: 0.36662906789  relative\_time: 3.650785923  }  trajectory\_point {  path\_point {  x: 552850.739822  y: 4182744.57962  theta: -2.35094187204  kappa: 0.000431272836786  s: 27.5403408535  dkappa: -5.02867677956e-05  ddkappa: 0.0  }  v: 7.98668276246  a: 0.354047153831  relative\_time: 3.750785923  }  trajectory\_point {  path\_point {  x: 552850.176925  y: 4182744.01057  theta: -2.35060476511  kappa: 0.000391886951182  s: 28.3407599362  dkappa: -4.93358421997e-05  ddkappa: 0.0  }  v: 8.02150972519  a: 0.342697099401  relative\_time: 3.850785923  }  trajectory\_point {  path\_point {  x: 552849.611789  y: 4182743.43891  theta: -2.35029580822  kappa: 0.000353343297066  s: 29.1446070133  dkappa: -4.80229511551e-05  ddkappa: 0.0  }  v: 8.05526311984  a: 0.332575169804  relative\_time: 3.950785923  }  trajectory\_point {  path\_point {  x: 552849.044483  y: 4182742.86472  theta: -2.35001703734  kappa: 0.000316045737566  s: 29.9517808625  dkappa: -4.63129725098e-05  ddkappa: 0.0  }  v: 8.08806557215  a: 0.323677630247  relative\_time: 4.050785923  }  trajectory\_point {  path\_point {  x: 552848.475072  y: 4182742.28806  theta: -2.34979988571  kappa: 0.00028065922579  s: 30.7621925052  dkappa: -4.41469333637e-05  ddkappa: 0.0  }  v: 8.1200393344  a: 0.316000745937  relative\_time: 4.150785923  }  trajectory\_point {  path\_point {  x: 552847.903562  y: 4182741.70903  theta: -2.34958847201  kappa: 0.000247164366542  s: 31.5757651694  dkappa: -4.16041771906e-05  ddkappa: 0.0  }  v: 8.15130628535  a: 0.309540782078  relative\_time: 4.250785923  }  trajectory\_point {  path\_point {  x: 552847.329988  y: 4182741.12769  theta: -2.34939230117  kappa: 0.000215855016593  s: 32.3924342524  dkappa: -3.86791806119e-05  ddkappa: 0.0  }  v: 8.18198793033  a: 0.304294003877  relative\_time: 4.350785923  }  trajectory\_point {  path\_point {  x: 552846.754374  y: 4182740.54408  theta: -2.34921902345  kappa: 0.000187034651566  s: 33.2121472834  dkappa: -3.53666136061e-05  ddkappa: 0.0  }  v: 8.21220540116  a: 0.30025667654  relative\_time: 4.450785923  }  trajectory\_point {  path\_point {  x: 552846.176739  y: 4182739.95825  theta: -2.34906823614  kappa: 0.000161016277108  s: 34.0348638859  dkappa: -3.16613837997e-05  ddkappa: 0.0  }  v: 8.24207945618  a: 0.297425065273  relative\_time: 4.550785923  }  trajectory\_point {  path\_point {  x: 552845.597107  y: 4182739.3702  theta: -2.34896920721  kappa: 0.00013892036351  s: 34.8605557407  dkappa: -2.74751504322e-05  ddkappa: 0.0  }  v: 8.27173048026  a: 0.295795435281  relative\_time: 4.650785923  }  trajectory\_point {  path\_point {  x: 552845.015465  y: 4182738.77999  theta: -2.34886107166  kappa: 0.000120637754525  s: 35.6892065484  dkappa: -2.28679898586e-05  ddkappa: 0.0  }  v: 8.30127848478  a: 0.295364051771  relative\_time: 4.750785923  }  trajectory\_point {  path\_point {  x: 552844.431805  y: 4182738.18761  theta: -2.34876016648  kappa: 0.000106336551428  s: 36.520811992  dkappa: -1.78543648026e-05  ddkappa: 0.0  }  v: 8.33084310767  a: 0.296127179949  relative\_time: 4.850785923  }  trajectory\_point {  path\_point {  x: 552843.846116  y: 4182737.59308  theta: -2.34866868538  kappa: 9.63641753013e-05  s: 37.3553796998  dkappa: -1.2428996448e-05  ddkappa: 0.0  }  v: 8.36054361334  a: 0.298081085021  relative\_time: 4.950785923  }  trajectory\_point {  path\_point {  x: 552843.258381  y: 4182736.99637  theta: -2.34859014611  kappa: 9.10787274804e-05  s: 38.1929292075  dkappa: -6.58650150092e-06  ddkappa: 0.0  }  v: 8.39049889274  a: 0.301222032192  relative\_time: 5.050785923  }  decision {  main\_decision {  stop {  reason\_code: STOP\_REASON\_DESTINATION  reason: "stop by DEST"  stop\_point {  x: 552773.473099  y: 4182665.69987  }  stop\_heading: -2.34721287893  change\_lane\_type: FORWARD  }  }  object\_decision {  decision {  id: "DEST"  perception\_id: -2075886388  object\_decision {  stop {  reason\_code: STOP\_REASON\_DESTINATION  distance\_s: -0.5  stop\_point {  x: 552773.473099  y: 4182665.69987  z: 0.0  }  stop\_heading: -2.34721287893  }  }  }  }  vehicle\_signal {  turn\_signal: TURN\_NONE  }  }  latency\_stats {  total\_time\_ms: 477.689504623  task\_stats {  name: "DpPolyPathOptimizer"  time\_ms: 5.07831573486  }  task\_stats {  name: "PathDecider"  time\_ms: 0.0283718109131  }  task\_stats {  name: "DpStSpeedOptimizer"  time\_ms: 169.529914856  }  task\_stats {  name: "SpeedDecider"  time\_ms: 1.47008895874  }  task\_stats {  name: "QpSplineStSpeedOptimizer"  time\_ms: 36.2813472748  }  task\_stats {  name: "ReferenceLineProvider"  time\_ms: 1.68657302856  }  init\_frame\_time\_ms: 0.180243253708  }  routing\_header {  timestamp\_sec: 1551784772.06  module\_name: "routing"  sequence\_num: 2  }  right\_of\_way\_status: UNPROTECTED  lane\_id {  id: "lane\_26"  }  lane\_id {  id: "lane\_751"  }  lane\_id {  id: "lane\_29"  }  engage\_advice {  advice: KEEP\_ENGAGED  }  trajectory\_type: NORMAL | header {  timestamp\_sec: 1551784772.06  module\_name: "routing"  sequence\_num: 2  }  road {  id: "road\_8"  passage {  segment {  id: "lane\_26"  start\_s: 26.3691447099  end\_s: 84.0856170654  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_323"  passage {  segment {  id: "lane\_751"  start\_s: 0.0  end\_s: 60.450843811  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_9"  passage {  segment {  id: "lane\_29"  start\_s: 0.0  end\_s: 104.090011597  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_312"  passage {  segment {  id: "lane\_740"  start\_s: 0.0  end\_s: 23.2549514771  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_22"  passage {  segment {  id: "lane\_58"  start\_s: 0.0  end\_s: 48.8097381592  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_382"  passage {  segment {  id: "lane\_810"  start\_s: 0.0  end\_s: 27.033449173  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_18"  passage {  segment {  id: "lane\_51"  start\_s: 0.0  end\_s: 171.723190308  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_252"  passage {  segment {  id: "lane\_680"  start\_s: 0.0  end\_s: 16.9376068115  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_19"  passage {  segment {  id: "lane\_53"  start\_s: 0.0  end\_s: 69.760925293  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_285"  passage {  segment {  id: "lane\_713"  start\_s: 0.0  end\_s: 23.7159156799  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_17"  passage {  segment {  id: "lane\_46"  start\_s: 0.0  end\_s: 169.687713623  }  can\_exit: false  change\_lane\_type: RIGHT  }  passage {  segment {  id: "lane\_47"  start\_s: 0.0  end\_s: 163.337127686  }  can\_exit: true  change\_lane\_type: LEFT  }  }  road {  id: "road\_319"  passage {  segment {  id: "lane\_747"  start\_s: 0.0  end\_s: 15.8914070129  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_10"  passage {  segment {  id: "lane\_30"  start\_s: 0.0  end\_s: 20.9703903198  }  segment {  id: "lane\_33"  start\_s: 0.0  end\_s: 72.5147094727  }  segment {  id: "lane\_32"  start\_s: 0.0  end\_s: 10.6270570755  }  can\_exit: false  change\_lane\_type: LEFT  }  passage {  segment {  id: "lane\_31"  start\_s: 0.0  end\_s: 27.3075065613  }  segment {  id: "lane\_34"  start\_s: 0.0  end\_s: 72.4183959961  }  segment {  id: "lane\_35"  start\_s: 0.0  end\_s: 11.0445337296  }  can\_exit: true  change\_lane\_type: RIGHT  }  }  road {  id: "road\_329"  passage {  segment {  id: "lane\_757"  start\_s: 0.0  end\_s: 40.0063018799  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_25"  passage {  segment {  id: "lane\_69"  start\_s: 0.0  end\_s: 150.688049316  }  can\_exit: false  change\_lane\_type: RIGHT  }  passage {  segment {  id: "lane\_70"  start\_s: 0.0  end\_s: 151.116958618  }  can\_exit: false  change\_lane\_type: RIGHT  }  passage {  segment {  id: "lane\_71"  start\_s: 0.0  end\_s: 151.632583618  }  can\_exit: true  change\_lane\_type: LEFT  }  }  road {  id: "road\_244"  passage {  segment {  id: "lane\_672"  start\_s: 0.0  end\_s: 29.7001686096  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_35"  passage {  segment {  id: "lane\_108"  start\_s: 0.0  end\_s: 113.989044189  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_425"  passage {  segment {  id: "lane\_853"  start\_s: 0.0  end\_s: 14.8256635666  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_34"  passage {  segment {  id: "lane\_104"  start\_s: 0.0  end\_s: 69.2200775146  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_415"  passage {  segment {  id: "lane\_843"  start\_s: 0.0  end\_s: 14.9694032669  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_31"  passage {  segment {  id: "lane\_92"  start\_s: 0.0  end\_s: 112.11530304  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_238"  passage {  segment {  id: "lane\_666"  start\_s: 0.0  end\_s: 23.0466651917  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_2"  passage {  segment {  id: "lane\_8"  start\_s: 0.0  end\_s: 128.144210815  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_383"  passage {  segment {  id: "lane\_811"  start\_s: 0.0  end\_s: 23.0454616547  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_26"  passage {  segment {  id: "lane\_72"  start\_s: 0.0  end\_s: 125.517097473  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_362"  passage {  segment {  id: "lane\_790"  start\_s: 0.0  end\_s: 14.5771217346  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_8"  passage {  segment {  id: "lane\_27"  start\_s: 0.0  end\_s: 77.0680465698  }  can\_exit: false  change\_lane\_type: LEFT  }  passage {  segment {  id: "lane\_26"  start\_s: 0.0  end\_s: 84.0856170654  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_323"  passage {  segment {  id: "lane\_751"  start\_s: 0.0  end\_s: 60.450843811  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  road {  id: "road\_9"  passage {  segment {  id: "lane\_29"  start\_s: 0.0  end\_s: 30.6768432333  }  can\_exit: true  change\_lane\_type: FORWARD  }  }  measurement {  distance: 1921.64216069  }  routing\_request {  header {  timestamp\_sec: 1551784772.06  module\_name: "dreamview"  sequence\_num: 4  }  waypoint {  id: "lane\_26"  s: 26.3691447099  pose {  x: 552877.855931  y: 4182770.3903  }  }  waypoint {  id: "lane\_26"  s: 30.9100699705  pose {  x: 552874.060995  y: 4182767.75035  }  }  waypoint {  id: "lane\_26"  s: 34.2971542004  pose {  x: 552871.916031  y: 4182765.11039  }  }  waypoint {  id: "lane\_26"  s: 42.1097795875  pose {  x: 552866.141128  y: 4182759.83048  }  }  waypoint {  id: "lane\_26"  s: 48.2998559591  pose {  x: 552862.181194  y: 4182755.04556  }  }  waypoint {  id: "lane\_26"  s: 54.3720911721  pose {  x: 552858.221261  y: 4182750.42564  }  }  waypoint {  id: "lane\_26"  s: 61.2653335819  pose {  x: 552853.931333  y: 4182744.98073  }  }  waypoint {  id: "lane\_26"  s: 68.4837608205  pose {  x: 552847.991433  y: 4182740.6908  }  }  waypoint {  id: "lane\_26"  s: 74.2074702307  pose {  x: 552844.361494  y: 4182736.23588  }  }  waypoint {  id: "lane\_26"  s: 80.9825922925  pose {  x: 552840.071566  y: 4182730.95596  }  }  waypoint {  id: "lane\_751"  s: 5.27247552135  pose {  x: 552833.801671  y: 4182725.34606  }  }  waypoint {  id: "lane\_751"  s: 17.8664924829  pose {  x: 552824.231832  y: 4182717.0962  }  }  waypoint {  id: "lane\_751"  s: 24.7502382459  pose {  x: 552819.281915  y: 4182712.31128  }  }  waypoint {  id: "lane\_757"  s: 21.0320340333  pose {  x: 552809.918292  y: 4182700.92147  }  }  waypoint {  id: "lane\_751"  s: 47.7605741931  pose {  x: 552803.896945  y: 4182695.16192  }  }  waypoint {  id: "lane\_751"  s: 56.4650179828  pose {  x: 552798.399192  y: 4182688.35518  }  }  waypoint {  id: "lane\_29"  s: 2.90770276043  pose {  x: 552792.116047  y: 4182684.69001  }  }  waypoint {  id: "lane\_29"  s: 12.34637827  pose {  x: 552785.047509  y: 4182678.40687  }  }  waypoint {  id: "lane\_29"  s: 25.3076706999  pose {  x: 552776.408184  y: 4182668.72035  }  }  waypoint {  id: "lane\_29"  s: 30.6768432333  pose {  x: 552772.743016  y: 4182664.79339  }  }  }  map\_version: "1.500000"  status {  error\_code: OK  msg: "Success!"  } | header {  timestamp\_sec: 1551784844.04  module\_name: "conti\_radar"  sequence\_num: 1385  }  contiobs {  header {  timestamp\_sec: 1551784844.04  module\_name: "conti\_radar"  sequence\_num: 1385  }  clusterortrack: false  obstacle\_id: 1  longitude\_dist: 2.25722789764  lateral\_dist: 11.9336528778  longitude\_vel: 0.00212007388473  lateral\_vel: -3.61930597137e-06  rcs: 11.0  dynprop: 1  longitude\_dist\_rms: 0.0  lateral\_dist\_rms: 0.0  longitude\_vel\_rms: 0.0  lateral\_vel\_rms: 0.0  probexist: 1.0  meas\_state: 2  longitude\_accel: 0.0  lateral\_accel: 0.0  oritation\_angle: 0.857055664062  longitude\_accel\_rms: 0.0  lateral\_accel\_rms: 0.0  oritation\_angle\_rms: 0.0  length: 3.74075317383  width: 10.6000061035  obstacle\_class: 1  } | header {  timestamp\_sec: 1235820058.33  sequence\_num: 1524  }  measurement\_time: 1235820058.33  sol\_status: SOL\_COMPUTED  sol\_type: NARROW\_INT  latitude: 37.7907462426  longitude: -122.399470645  height\_msl: 0.0  undulation: 0.0  datum\_id: WGS84  latitude\_std\_dev: 0.00999999977648  longitude\_std\_dev: 0.00999999977648  height\_std\_dev: 0.00999999977648  base\_station\_id: "0"  differential\_age: 2.0  solution\_age: 0.0  num\_sats\_tracked: 15  num\_sats\_in\_solution: 15  num\_sats\_l1: 15  num\_sats\_multi: 12  extended\_solution\_status: 33  galileo\_beidou\_used\_mask: 0  gps\_glonass\_used\_mask: 51 | header {  timestamp\_sec: 1551784845.0  }  imu {  linear\_acceleration {  x: -0.000155487941811  y: 9.30636524572e-05  z: -9.81115450652  }  angular\_velocity {  x: 0.00016167848662  y: 2.99592670672e-06  z: -2.82969736531e-09  }  heading: 270.849914551  euler\_angles {  x: -5.81627338226e-07  y: 2.44229215668e-05  z: 4.72722278767  }  } | header {  timestamp\_sec: 1551784841.7  }  measurement\_time: 1551784841.7  measurement\_span: 0.00999999977648  linear\_acceleration {  x: -1.66964530945  y: -0.00105798244476  z: -9.75049766526  }  angular\_velocity {  x: 0.00960226170719  y: -0.000732809654437  z: -0.00578651763499  } | header {  timestamp\_sec: 1551784842.26  sequence\_num: 1531  }  localization {  position {  x: 552870.429222  y: 4182764.07053  z: 10.1241559982  }  orientation {  qx: 0.000253551552305  qy: -0.000893782998901  qz: 0.921432316303  qw: 0.388538002968  }  linear\_velocity {  x: -5.12263727188  y: 0.0829047784209  z: 0.000244081020355  }  heading: -225.727157593  } | transforms:  -  header:  seq: 0  stamp:  secs: 1551784840  nsecs: 334719896  frame\_id: world  child\_frame\_id: localization  transform:  translation:  x: 552874.578702  y: 4182768.09625  z: 10.123752594  rotation:  x: -0.00068107014522  y: 0.00171343691181  z: 0.920703709126  w: 0.390257865191transforms:  - |