

Intersection: S California Ave at El Camino Real, Palo Alto, California

MapData payload size 845

```
payload=0012834928093119000003EF00A5F9C305913DEB918846012C0288BC18B00450000002400114A27E18ED8BA7E
15A46768244C80010B008500000080001152379E8ED69A5C1620F5D0243A00010B00C500000050003157CF4E8EE15A4
8162C74F12F8BDE6894C1DD0C290410007485A00038C0211000001000062D2DD3E1D90359E2C20ED725EC3BC092991B
988B0315000000A40021B1D116C35291BD869E436F8CF0C3D5148240004242480020B03550000004000511B80BF8D4A
E72D1A838E26551CC388B2A9CA9E87956C112054AD362BC70091540003180E62000002000186A7D4FA8D4186EE1A8EC
EEE33F88AE0AB4588C0A5535E3D042AD88A40C95A61978A8C800001F78152FCE182C89EF5C8C42300B401461C1A580A
6800000520018BA6A3F07CF438F12E125BEC7C973CD13040554052084000C913800062C06340000020000C5B4AF383E
BB9D9096D6AE063E649D0498272A880914800062C07340000020000C59C8CEE3EA09DCC96CC2E284B5656F226012AC6
8245600018B020D00000050001560CA99023C43EAD1E089921287C290B10001487200008E04A10000010000628C41C3
25ADEB7892DC55BA89701ADB24BDF15B2088C400400000FC0702908000008000314DF1568FA787271F420EDE4BA3164
825FFFEAE404466002000007E038168400000400018AA68E707D223C38F9C475525D3AB3B12FEC56A42235001000003F
02C0F740000029000842E8CDA3420D47045B56C42476A6B1484C0001243880008B041D0000008000211123CE8D15D4D
711565C8092AA9701215000045822E8000004000108AE636C6929A4C8880AF60242B058242E00008B049D0000005000
151A1CF9823C4348CD2B865B5B6F8A4110001522A2000A38270400000400008965B8FC68B5A7F8D04D57B0882400400
000FB870520800000800011278E8F8D1854D71A12EA7A1105800800001F70E0AC100000100002245BC231A2EE962341
ED494220D001000003EE22000007DE094BF3860B227BD723108C029406482D2C0011200011BDCB02C2C0854515DE2D9
8A45C800192328000C482F4C001120001179B58708F2C768471A5FC29164000848C10004120C5B00044800006E8E3F3
08902EB8522E80004919200022419C60008900008D19CB9415CDF808AC27604522C40008918400040
```

gov.usdot.asnl.generated.j2735.ds.src.MessageFrame

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 9,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1007
        },
        revision 0,
        refPoint {
          lat 374250763,
          long -1221458652,
          elevation 140
        },
        laneWidth 300,
        speedLimits {
          {
            type vehicleMaxSpeed,
            speed 559
          }
        },
        laneSet {
          {
            laneID 1,
            ingressApproach 1,
            laneAttributes {
              directionalUse {ingressPath},
              sharedWith {},
              laneType vehicle : {}
            },
            maneuvers {maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
              {
                delta node-XY3 : {
                  x 324,
                  y 1987
                }
              },
              {

```

```

    delta node-XY4 : {
      x 1733,
      y 2686
    }
  },
  {
    delta node-XY3 : {
      x 840,
      y 1261
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 19,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 2,
  ingressApproach 1,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 582,
        y 1853
      }
    },
    {
      delta node-XY4 : {
        x 1716,
        y 2652
      }
    },
    {
      delta node-XY3 : {
        x 1089,
        y 1722
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 14,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 4
    }
  }
},
{
  laneID 3,
  ingressApproach 1,
  laneAttributes {
    directionalUse {ingressPath},

```

```

    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 761,
        y 1693
      }
    },
    {
      delta node-XY4 : {
        x 1802,
        y 2632
      }
    },
    {
      delta node-XY3 : {
        x 1112,
        y 1694
      }
    },
    {
      delta node-XY5 : {
        x 3979,
        y 6042
      }
    },
    {
      delta node-XY5 : {
        x 2435,
        y 3718
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 4,
        maneuver {maneuverUTurnAllowed}
      },
      signalGroup 7
    },
    {
      connectingLane {
        lane 11,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 7
    }
  },
  {
    laneID 4,
    egressApproach 2,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 1325,

```

```

        y 1342
    }
},
{
    delta node-XY4 : {
        x 1600,
        y 2767
    }
},
{
    delta node-XY3 : {
        x 1056,
        y 1751
    }
},
{
    delta node-XY5 : {
        x 3937,
        y 6017
    }
},
{
    delta node-XY5 : {
        x 2449,
        y 3682
    }
}
}
},
{
    laneID 12,
    ingressApproach 5,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
        maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -908,
                y -1866
            }
        },
        {
            delta node-XY4 : {
                x -1454,
                y -2314
            }
        },
        {
            delta node-XY4 : {
                x -1564,
                y -2337
            }
        },
        {
            delta node-XY4 : {
                x -2170,
                y -3115
            }
        }
    }
},
connectsTo {

```

```

    {
      connectingLane {
        lane 4,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 8
    },
    {
      connectingLane {
        lane 9,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 8
    }
  },
  {
    laneID 13,
    ingressApproach 5,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1168,
          y -1665
        }
      },
      {
        delta node-XY4 : {
          x -1449,
          y -2259
        }
      },
      {
        delta node-XY4 : {
          x -1522,
          y -2285
        }
      },
      {
        delta node-XY6 : {
          x -11828,
          y -18293
        }
      },
      {
        delta node-XY6 : {
          x -11371,
          y -17137
        }
      },
      {
        delta node-XY6 : {
          x -9468,
          y -14315
        }
      },
      {
        delta node-XY6 : {
          x -5711,
          y -8648
        }
      }
    }
  }
}

```

```

    }
  },
  connectsTo {
    {
      connectingLane {
        lane 21,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 3
    }
  }
},
{
  laneID 14,
  egressApproach 6,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -1411,
        y -1547
      }
    },
    {
      delta node-XY4 : {
        x -1524,
        y -2322
      }
    },
    {
      delta node-XY4 : {
        x -1477,
        y -2185
      }
    },
    {
      delta node-XY4 : {
        x -2063,
        y -3400
      }
    },
    {
      delta node-XY6 : {
        x -9684,
        y -14843
      }
    },
    {
      delta node-XY6 : {
        x -11426,
        y -17148
      }
    },
    {
      delta node-XY6 : {
        x -9455,
        y -14311
      }
    },
  },
}

```

```

        delta node-XY6 : {
            x -5754,
            y -8662
        }
    }
}
},
{
    id {
        region 0,
        id 1007
    },
    revision 1,
    refPoint {
        lat 374250763,
        long -1221458652,
        elevation 140
    },
    laneWidth 360,
    speedLimits {
        {
            type vehicleMaxSpeed,
            speed 782
        }
    },
    laneSet {
        {
            laneID 5,
            ingressApproach 3,
            laneAttributes {
                directionalUse {ingressPath},
                sharedWith {},
                laneType vehicle : {}
            },
            maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
                maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
                {
                    delta node-XY3 : {
                        x 1690,
                        y 252
                    }
                },
                {
                    delta node-XY4 : {
                        x 3316,
                        y -2274
                    }
                },
                {
                    delta node-XY5 : {
                        x 3602,
                        y -2309
                    }
                },
                {
                    delta node-XY4 : {
                        x 3223,
                        y -2150
                    }
                },
                {
                    delta node-XY5 : {
                        x 4160,

```

```

        y -2736
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 4,
            maneuver {maneuverRightAllowed}
        },
        signalGroup 6
    },
    {
        connectingLane {
            lane 19,
            maneuver {maneuverStraightAllowed}
        },
        signalGroup 6
    }
}
},
{
    laneID 6,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 1445,
                y -100
            }
        },
        {
            delta node-XY4 : {
                x 3447,
                y -2204
            }
        },
        {
            delta node-XY5 : {
                x 3501,
                y -2301
            }
        },
        {
            delta node-XY4 : {
                x 3273,
                y -2239
            }
        },
        {
            delta node-XY5 : {
                x 4174,
                y -2748
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 20,

```



```

        maneuver {maneuverStraightAllowed}
    },
    signalGroup 6
}
},
{
    laneID 7,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 1252,
                y -393
            }
        },
        {
            delta node-XY4 : {
                x 3393,
                y -2189
            }
        },
        {
            delta node-XY5 : {
                x 3480,
                y -2284
            }
        },
        {
            delta node-XY5 : {
                x 3417,
                y -2318
            }
        },
        {
            delta node-XY5 : {
                x 4105,
                y -2675
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 21,
                maneuver {maneuverStraightAllowed}
            },
            signalGroup 6
        }
    }
},
{
    laneID 8,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},

```

```

nodeList nodes : {
  {
    delta node-XY3 : {
      x 1049,
      y -718
    },
    attributes {
      dWidth -30
    }
  },
  {
    delta node-XY4 : {
      x 3418,
      y -2174
    }
  },
  {
    delta node-XY5 : {
      x 4674,
      y -3010
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 11,
      maneuver {maneuverUTurnAllowed}
    },
    signalGroup 1
  },
  {
    connectingLane {
      lane 14,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 1
  }
}
},
{
  laneID 9,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 196,
        y -1597
      }
    },
    {
      delta node-XY5 : {
        x 3439,
        y -2319
      }
    },
    {
      delta node-XY5 : {
        x 3525,
        y -2326
      }
    }
  }
}

```

```

    }
  },
  {
    delta node-XY5 : {
      x 3587,
      y -2343
    }
  },
  {
    delta node-XY5 : {
      x 3964,
      y -2638
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 24,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1008
    }
  }
}
},
{
  laneID 10,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 446,
        y -1363
      }
    },
    {
      delta node-XY4 : {
        x 3388,
        y -2265
      }
    },
    {
      delta node-XY4 : {
        x 3336,
        y -2193
      }
    },
    {
      delta node-XY5 : {
        x 3724,
        y -2488
      }
    },
    {
      delta node-XY5 : {
        x 4095,
        y -2616
      }
    }
  }
}

```

```

    }
  },
  connectsTo {
    {
      connectingLane {
        lane 25,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1008
      }
    }
  }
},
{
  laneID 11,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 666,
        y -1124
      }
    },
    {
      delta node-XY4 : {
        x 3362,
        y -2169
      }
    },
    {
      delta node-XY4 : {
        x 3298,
        y -2219
      }
    },
    {
      delta node-XY5 : {
        x 3741,
        y -2442
      }
    },
    {
      delta node-XY5 : {
        x 4076,
        y -2647
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 26,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1008
      }
    }
  }
}

```

```

    }
  }
},
{
  laneID 15,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1676,
        y -403
      }
    },
    {
      delta node-XY4 : {
        x -1983,
        y 1308
      }
    },
    {
      delta node-XY3 : {
        x -1318,
        y 866
      }
    },
    {
      delta node-XY3 : {
        x -906,
        y 619
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 9,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 2
    },
    {
      connectingLane {
        lane 14,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 2
    }
  }
},
{
  laneID 16,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},

```

```

nodeList nodes : {
  {
    delta node-XY3 : {
      x -1500,
      y -99
    }
  },
  {
    delta node-XY4 : {
      x -1874,
      y 1239
    }
  },
  {
    delta node-XY3 : {
      x -1364,
      y 912
    }
  },
  {
    delta node-XY3 : {
      x -854,
      y 604
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 10,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  }
}
},
{
  laneID 17,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1351,
        y 219
      }
    },
    {
      delta node-XY4 : {
        x -1751,
        y 1177
      }
    },
    {
      delta node-XY3 : {
        x -1534,
        y 984
      }
    },
    {
      delta node-XY2 : {

```

```

        x -758,
        y 523
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 11,
            maneuver {maneuverStraightAllowed}
        },
        signalGroup 2
    }
}
},
{
    laneID 18,
    ingressApproach 7,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -1213,
                y 499
            },
            attributes {
                dWidth -30
            }
        },
        {
            delta node-XY4 : {
                x -1767,
                y 1198
            }
        },
        {
            delta node-XY4 : {
                x -2635,
                y 1759
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 4,
                maneuver {maneuverLeftAllowed}
            },
            signalGroup 5
        },
        {
            connectingLane {
                lane 21,
                maneuver {maneuverUTurnAllowed}
            },
            signalGroup 5
        }
    }
}
},
{
    laneID 19,

```

```

egressApproach 8,
laneAttributes {
  directionalUse {egressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x -618,
      y 1599
    }
  },
  {
    delta node-XY4 : {
      x -1867,
      y 1279
    }
  },
  {
    delta node-XY4 : {
      x -2010,
      y 1403
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 4,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1006
    }
  }
}
},
{
  laneID 20,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -783,
        y 1311
      }
    },
    {
      delta node-XY4 : {
        x -1854,
        y 1239
      }
    },
    {
      delta node-XY4 : {
        x -1973,
        y 1341
      }
    }
  }
}

```



```

    }
  },
  connectsTo {
    {
      connectingLane {
        lane 5,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1006
      }
    }
  }
},
{
  laneID 21,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -933,
        y 1059
      }
    },
    {
      delta node-XY4 : {
        x -1861,
        y 1201
      }
    },
    {
      delta node-XY4 : {
        x -1987,
        y 1317
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 6,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1006
      }
    }
  }
}
},
{
  id {
    region 0,
    id 1007
  },
  revision 2,

```

```

refPoint {
  lat 374250763,
  long -1221458652,
  elevation 140
},
laneWidth 330,
laneSet {
  {
    laneID 22,
    ingressApproach 9,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {fixedCycleTime, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x -142,
          y 2070
        }
      },
      {
        delta node-XY3 : {
          x 1032,
          y -699
        }
      },
      {
        delta node-XY3 : {
          x 956,
          y -589
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 23,
          maneuver {maneuverRightAllowed}
        },
        signalGroup 6
      },
      {
        connectingLane {
          lane 25,
          maneuver {maneuverLeftAllowed}
        },
        signalGroup 6
      }
    }
  },
  {
    laneID 23,
    ingressApproach 10,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {fixedCycleTime, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 1846,
          y 782
        }
      }
    }
  }
}

```

```

    },
    {
      delta node-XY3 : {
        x -1077,
        y -1574
      }
    },
    {
      delta node-XY3 : {
        x -1139,
        y -1282
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 22,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 8
    },
    {
      connectingLane {
        lane 24,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 8
    }
  }
},
{
  laneID 24,
  ingressApproach 11,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {fixedCycleTime, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -370,
        y -2074
      }
    },
    {
      delta node-XY3 : {
        x -1472,
        y 942
      }
    }
  }
},
  connectsTo {
    {
      connectingLane {
        lane 23,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 2
    },
    {
      connectingLane {
        lane 25,
        maneuver {maneuverRightAllowed}
      },
    },
  }
}

```

