

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

MapData payload size 828

```
payload=00128338280B3019000003EE00A5F9CD29113DD979883C012C0288BC64B0045000000240011CBC70083A97DFD
83826890244880010B0085000000C00025CEE2E80090F0ECE39CC2C90FCDFE1689B2D2A892148000890C80004080C00
0C0191000001C00042CC0E581DA9B43E591EE9BD32D16C5A5896021A00000148004AD149A50C0A0518743C2D3835316
16A9F8AFF152C52064000C912800062C05340000020000858CF0B62CE63771602AA00B00557412270000C580C680000
04000107C6320166C9F00B3D91E03B89118A4520001820F000580E680000028001277E9EC0478858CE8A62BE15640E1
67AA290A10001486200008E042100000100000A8131800487857F297C1111800800001F78E04A10000010000028FB2D
415F7A560444A002000007DE38148400000400000A7B1118580E8881113800800001F79605AA000001C8006B624A370
30281445EF10D2B660B1A85CE3035561F5C4A3E82A490380008484100042451000206031880000060003118D0EE0D2A
C5F61A76CD8E357D21E44918772581AE80000052001A8BD18CC30281461D0F11344BB146878C308D0378A6219C1ABE0
A4220000921840004581CE8000004000188EC5F0489B6DC16341FE2CC688EC2C90CCED5D4121300004581EE80000040
002042DD22223817F58D44967A1A35309C443B70AE11EBE389242A000082210001118002C10740000014000924A3308
23C435185A306979BA684A54D31481A0002A45040014B045D000000100022B0FED04D0CF3F96311966B4049C51E008A
0800E094100000100006A7B5F05048786652D628CFC98E01A0E7166431BF5EE0881C00400000FB4704E080000080003
137FED40CBDD1619E9729C3437E1FC86216C001104800800001F68E0A41000001000062643C6E229856430D11F8541
A13F1204332B5751882C00400000FB422B000382B040000008000B1305C3D011F608F4A363510DAC4021E200082CC00
10600005C53F13608F60B174E24522E4001C9194000E041760008300008B6B30904884326245F213148B20008246080
040106180020C000037269F28472B89629174000A48C90005020CB000418000443C482A3A1E5B345663B7229162000C
48C20006000D30004000004ABADB39082DE3C2A166FDA90
```

gov.usdot.asn1.generated.j2735.dsrc.MessageFrame

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 11,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1006
        },
        revision 0,
        refPoint {
          lat 374255954,
          long -1221467916,
          elevation 120
        },
        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-XY4 : {
                  x 753,
                  y 2052
                }
              },
              {
                delta node-XY4 : {
                  x 1327,
                  y 2038
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  },
  {
    delta node-XY2 : {
      x 521,
      y 274
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 18,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 2,
  ingressApproach 1,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverLeftAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 952,
        y 1856
      },
      attributes {
        dWidth 30
      }
    },
    {
      delta node-XY4 : {
        x 1649,
        y 2508
      }
    },
    {
      delta node-XY6 : {
        x 4639,
        y 7164
      }
    },
    {
      delta node-XY6 : {
        x 8812,
        y 13482
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 10,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 4
    },
    {
      connectingLane {
        lane 12,
        maneuver {maneuverStraightAllowed}
      }
    }
  }
}
}

```

```

    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 1,
      maneuver {maneuverStraightAllowed}
    }
  }
},
{
  laneID 3,
  egressApproach 2,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1216,
        y 1624
      }
    },
    {
      delta node-XY4 : {
        x 1702,
        y 2591
      }
    },
    {
      delta node-XY6 : {
        x 4590,
        y 7123
      }
    },
    {
      delta node-XY6 : {
        x 8920,
        y 13489
      }
    }
  }
},
{
  laneID 4,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1300,
        y 421
      }
    },
    attributes {
      data {
        speedLimits : {
          {
            type vehicleMaxSpeed,
            speed 782
          }
        }
      }
    }
  }
}

```

```

    }
  },
  dWidth 30
}
},
{
  delta node-XY3 : {
    x 1336,
    y -1197
  }
},
{
  delta node-XY3 : {
    x 1069,
    y -705
  }
},
{
  delta node-XY3 : {
    x 1020,
    y -693
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 3,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 6
  },
  {
    connectingLane {
      lane 18,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 6
  }
}
},
{
  laneID 5,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1127,
        y 91
      }
    },
    {
      delta node-XY3 : {
        x 1254,
        y -1161
      }
    },
    {
      delta node-XY3 : {
        x 1029,
        y -704
      }
    }
  }
}

```

```

    },
    {
      delta node-XY3 : {
        x 1025,
        y -675
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 19,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  }
},
{
  laneID 6,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY2 : {
        x 908,
        y -224
      }
    },
    {
      delta node-XY3 : {
        x 1241,
        y -1056
      }
    },
    {
      delta node-XY3 : {
        x 1270,
        y -904
      }
    },
    {
      delta node-XY2 : {
        x 738,
        y -477
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 20,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    },
    {
      connectingLane {
        lane 7,
        maneuver {maneuverStraightAllowed}
      }
    }
  }
},

```

```

{
  laneID 7,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY2 : {
        x 765,
        y -532
      },
      attributes {
        dWidth -30
      }
    },
    {
      delta node-XY3 : {
        x 1127,
        y -941
      }
    },
    {
      delta node-XY3 : {
        x 993,
        y -668
      }
    },
    {
      delta node-XY2 : {
        x 534,
        y -43
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 10,
        maneuver {maneuverUTurnAllowed}
      },
      signalGroup 1
    },
    {
      connectingLane {
        lane 12,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 1
    }
  },
  {
    laneID 8,
    egressApproach 4,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 19,
          y -1664
        }
      }
    }
  }
}

```

```

    },
    attributes {
        dWidth 30
    }
},
{
    delta node-XY3 : {
        x 1017,
        y -834
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 17,
            maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
            region 0,
            id 1007
        }
    }
}
},
{
    laneID 9,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 251,
                y -1324
            }
        },
        {
            delta node-XY3 : {
                x 1007,
                y -852
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 18,
                maneuver {maneuverStraightAllowed}
            },
            remoteIntersection {
                region 0,
                id 1007
            }
        }
    }
}
},
{
    laneID 10,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
},

```

```

maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x 492,
      y -954
    }
  },
  {
    delta node-XY3 : {
      x 1031,
      y -956
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 19,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1007
    }
  }
}
},
{
  laneID 11,
  ingressApproach 5,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -951,
        y -1828
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 559
            }
          }
        }
      },
      dWidth -30
    }
  },
  {
    delta node-XY4 : {
      x -1701,
      y -2549
    }
  },
  {
    delta node-XY4 : {
      x -1513,
      y -2280
    }
  }
},
{

```



```

    delta node-XY4 : {
      x -1364,
      y -2089
    }
  },
  {
    delta node-XY3 : {
      x -737,
      y -1003
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 3,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 8
  },
  {
    connectingLane {
      lane 8,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 8
  },
  {
    connectingLane {
      lane 20,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 8
  }
}
},
{
  laneID 12,
  egressApproach 6,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverRightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1254,
        y -1572
      }
    },
    {
      delta node-XY4 : {
        x -1706,
        y -2570
      }
    },
    {
      delta node-XY4 : {
        x -1573,
        y -2361
      }
    },
    {
      delta node-XY4 : {
        x -1286,
        y -1927
      }
    }
  }
}

```

```

    },
    {
      delta node-XY3 : {
        x -884,
        y -1095
      }
    }
  },
  {
    laneID 13,
    ingressApproach 7,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
      maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1292,
          y -461
        },
        attributes {
          data {
            speedLimits : {
              {
                type vehicleMaxSpeed,
                speed 782
              }
            }
          },
          dWidth 30
        }
      },
      {
        delta node-XY5 : {
          x -3260,
          y 3781
        }
      },
      {
        delta node-XY4 : {
          x -1928,
          y 2145
        }
      },
      {
        delta node-XY4 : {
          x -2021,
          y 2214
        }
      },
      {
        delta node-XY5 : {
          x -4896,
          y 5500
        }
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 8,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 2
    }
  }
}

```

```

    },
    {
      connectingLane {
        lane 12,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 2
    }
  },
  {
    laneID 14,
    ingressApproach 7,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1103,
          y -63
        }
      },
      {
        delta node-XY5 : {
          x -3219,
          y 3595
        }
      },
      {
        delta node-XY4 : {
          x -1985,
          y 2227
        }
      },
      {
        delta node-XY4 : {
          x -1906,
          y 2137
        }
      },
      {
        delta node-XY5 : {
          x -4914,
          y 5493
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 9,
          maneuver {maneuverStraightAllowed}
        },
        signalGroup 2
      }
    }
  },
  {
    laneID 15,
    ingressApproach 7,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
  },

```

```

maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY2 : {
      x -933,
      y 290
    }
  },
  {
    delta node-XY5 : {
      x -3648,
      y 4075
    }
  },
  {
    delta node-XY4 : {
      x -1500,
      y 1658
    }
  },
  {
    delta node-XY4 : {
      x -1836,
      y 2126
    }
  },
  {
    delta node-XY5 : {
      x -3859,
      y 4270
    }
  },
  {
    delta node-XY3 : {
      x -1065,
      y 1137
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 10,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  },
  {
    connectingLane {
      lane 16,
      maneuver {maneuverStraightAllowed}
    }
  },
  {
    connectingLane {
      lane 17,
      maneuver {maneuverStraightAllowed}
    }
  }
},
{
  laneID 16,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
},

```

```

maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
nodeList nodes : {
  {
    delta node-XY2 : {
      x -728,
      y 609
    },
    attributes {
      dWidth -30
    }
  },
  {
    delta node-XY4 : {
      x -1488,
      y 1676
    }
  },
  {
    delta node-XY4 : {
      x -1671,
      y 1869
    }
  },
  {
    delta node-XY2 : {
      x -694,
      y 211
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 3,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 5
  },
  {
    connectingLane {
      lane 20,
      maneuver {maneuverUTurnAllowed}
    },
    signalGroup 5
  }
},
{
  laneID 17,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY6 : {
        x -7683,
        y 8346
      }
    },
    {
      delta node-XY4 : {
        x -2145,
        y 2403
      }
    }
  },

```

```

    {
      delta node-XY3 : {
        x -1236,
        y 1384
      }
    },
    {
      delta node-XY2 : {
        x -712,
        y 286
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 20,
        maneuver {maneuverUTurnAllowed}
      }
    }
  }
},
{
  laneID 18,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -75,
        y 1797
      },
      attributes {
        dWidth 30
      }
    },
    {
      delta node-XY4 : {
        x -2478,
        y 2757
      }
    },
    {
      delta node-XY4 : {
        x -2076,
        y 2272
      }
    },
    {
      delta node-XY4 : {
        x -1991,
        y 2227
      }
    },
    {
      delta node-XY5 : {
        x -5009,
        y 5614
      }
    }
  }
},
  connectsTo {
    {
      connectingLane {

```

```

        lane 3,
        maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
        region 0,
        id 1005
    }
}
},
{
    laneID 19,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -257,
                y 1448
            }
        },
        {
            delta node-XY4 : {
                x -2578,
                y 2838
            }
        },
        {
            delta node-XY4 : {
                x -2139,
                y 2382
            }
        },
        {
            delta node-XY4 : {
                x -1937,
                y 2175
            }
        },
        {
            delta node-XY5 : {
                x -5054,
                y 5632
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 4,
                maneuver {maneuverStraightAllowed}
            },
            remoteIntersection {
                region 0,
                id 1005
            }
        }
    }
},
{
    laneID 20,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},

```

```

    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -445,
        y 1134
      }
    },
    {
      delta node-XY5 : {
        x -2878,
        y 3206
      }
    },
    {
      delta node-XY4 : {
        x -1905,
        y 2132
      }
    },
    {
      delta node-XY4 : {
        x -1969,
        y 2192
      }
    },
    {
      delta node-XY5 : {
        x -4918,
        y 5493
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 5,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1005
      }
    },
    {
      connectingLane {
        lane 21,
        maneuver {maneuverStraightAllowed}
      }
    }
  },
  {
    laneID 21,
    egressApproach 8,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverUTurnAllowed},
    nodeList nodes : {
      {
        delta node-XY5 : {
          x -3323,
          y 4340
        }
      }
    }
  }

```



```

    },
    attributes {
      dWidth -10
    }
  },
  {
    delta node-XY2 : {
      x -780,
      y 283
    }
  },
  {
    delta node-XY4 : {
      x -1503,
      y 1713
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 15,
      maneuver {maneuverUTurnAllowed}
    }
  }
}
},
{
  laneID 22,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 335,
        y 2203
      },
      attributes {
        dWidth -20
      }
    },
    {
      delta node-XY3 : {
        x 1117,
        y -1143
      }
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 23,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 14
  },
  {
    connectingLane {
      lane 25,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 14
  }
}
},
{

```

```

laneID 23,
laneAttributes {
  directionalUse {ingressPath, egressPath},
  sharedWith {},
  laneType crosswalk : {hasPushToWalkButton, audioSupport}
},
nodeList nodes : {
  {
    delta node-XY3 : {
      x 1452,
      y 1060
    }
  },
  {
    delta node-XY3 : {
      x -958,
      y -1645
    }
  },
  {
    delta node-XY3 : {
      x -929,
      y -1517
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 22,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 16
  },
  {
    connectingLane {
      lane 24,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 16
  }
},
{
  laneID 24,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -435,
        y -2102
      }
    },
    {
      delta node-XY3 : {
        x -1131,
        y 1099
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 23,
        maneuver {maneuverLeftAllowed}
      }
    }
  }
}

```

```

    },
    signalGroup 10
  },
  {
    connectingLane {
      lane 25,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 10
  }
},
{
  laneID 25,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1566,
        y -1003
      }
    },
    {
      delta node-XY4 : {
        x 1084,
        y 1741
      }
    },
    {
      delta node-XY3 : {
        x 817,
        y 1465
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 22,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 12
    },
    {
      connectingLane {
        lane 24,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 12
    }
  }
},
{
  laneID 26,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {}
  },
  nodeList nodes : {
    {
      delta node-XY6 : {
        x -8851,
        y 7300
      }
    }
  }
}

```

```
},
{
  delta node-XY3 : {
    x 1507,
    y 1066
  }
},
{
  delta node-XY3 : {
    x 1247,
    y 850
  }
}
}
}
}
}
}
}
}
```