

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

MapData payload size 755

```
payload=001282EF28093119000003EE00A5F9CD29113DD979883C012C0288BC10B0045000000240011CBC70082BCBDD9
1525DC98244480010B0085000000C00025CEE2E80090F0ECE39CC2C90FCDFE1689B2D2A852148000890C80004180322
000002000095981CB0090F0ED4DA1F2C8F74DE9968B62D2C4B02D5000000E40035B1251B8090F0D2B660B1A85CE3035
561F5C4A3E82A49038000848410004244D000206031880000080003518D0EE0243C34AB17D869DB3638D5F487912461
DC99000003EE02A5F9CD29113DD979883C0168028C3834B010D000000A4001168A4D28B4E0D4C585AA7E29032000648
8C000316029A000001000022C6785B16731BB8B2E538012250000C580C68000004000087C6320166C9F00B3D91E0122
70000C580E680000028000A77E9EC0478858CE8A62BE1564148508000A43100004702108000008000114098C00AFE52
F85A0292C110F800800001F78E04A10000010000228FB2D415F7A560B51917C2221001000003EF1C0A4200000200004
53D888C2C074441681A2604446002000007DE581AE8000005200188BD18CC89A25D8A343C6184681BC5310CE0D5F052
110000490C200022C0E740000020000C4762F8244DB6E0B1A0FF1663447616486676AEA0909800022C0F74000002000
0C216E9111413B56C67D1C850D1A984E21989A8F8242A00008B041D000000500014928CC208F10D46168C1A5E6E9A29
0340005489880028E08C10000010000627B5F051994B58A33F263806839C5990C6FD7B82207001000003ED1C1282000
0020000C4DFFB5032F76C5867A5CA70D0DF87F21885B0004412002000007DA38270400000400018990F1B865E5D9B0C
ED99A41A13F1204332B5750882C00400000FB48800001F70252FCE694889EECBCC41E00A501920A4B0004180000714F
C4D8B174E24522A4000C917400062415A60008300008B6B30904884326245F213148A20004245880020905AD80020C0
00037269F28472B89629154000248B90001120BE3000418000443C482A3A1E5B345663B7229142000448B200020
```

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

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 9,
    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-XY3 : {
                  x 971,
```

```

        y 1497
    }
},
{
    delta node-XY3 : {
        x 587,
        y 915
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 17,
            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
        },
    },

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```

    {
      connectingLane {
        lane 12,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 4
    }
  },
  {
    laneID 3,
    egressApproach 2,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 1216,
          y 1624
        },
        attributes {
          dWidth 30
        }
      },
      {
        delta node-XY4 : {
          x 1702,
          y 2591
        }
      },
      {
        delta node-XY6 : {
          x 4590,
          y 7123
        }
      },
      {
        delta node-XY6 : {
          x 8920,
          y 13489
        }
      }
    }
  },
  {
    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 {
          dWidth 30
        }
      }
    }
  }
}

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```

    }
  },
  {
    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 19,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 8
  }
}
},
{
  laneID 12,
  egressApproach 6,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1254,
        y -1572
      },
    },
  },
}

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```

    }
  },
  {
    delta node-XY3 : {
      x 1336,
      y -1197
    }
  },
  {
    delta node-XY3 : {
      x 1069,
      y -705
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 3,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 6
  },
  {
    connectingLane {
      lane 17,
      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 1209,
        y -800
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 18,
        maneuver {maneuverStraightAllowed}
      }
    }
  }
}

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    },
    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
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 19,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  }
},
{
  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,

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        y -941
    }
},
{
    delta node-XY3 : {
        x 993,
        y -668
    }
}
},
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
            }
        },
        {
            delta node-XY3 : {
                x 1017,
                y -834
            }
        },
        {
            delta node-XY3 : {
                x 1281,
                y -874
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 15,
                maneuver {maneuverStraightAllowed}
            },
            remoteIntersection {
                region 0,
                id 1007
            }
        }
    }
}

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```

    }
  },
  {
    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
        }
      },
      {
        delta node-XY3 : {
          x 1350,
          y -929
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 16,
          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
        }
      }
    }
  }
}

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```

    },
    {
      delta node-XY3 : {
        x 1283,
        y -948
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 17,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1007
      }
    }
  }
},
{
  laneID 13,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1292,
        y -461
      }
    },
    {
      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 {

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        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
        }
    }
},
{

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```

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 -3053,
      y 3419
    }
  },
  {
    delta node-XY4 : {
      x -2095,
      y 2314
    }
  },
  {
    delta node-XY4 : {
      x -1836,
      y 2126
    }
  },
  {
    delta node-XY5 : {
      x -4924,
      y 5407
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 10,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  }
}
},
{
  laneID 16,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY2 : {
        x -728,
        y 609
      },
      attributes {

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        dWidth -30
    }
},
{
    delta node-XY4 : {
        x -1488,
        y 1676
    }
},
{
    delta node-XY4 : {
        x -1671,
        y 1869
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 3,
            maneuver {maneuverLeftAllowed}
        },
        signalGroup 5
    },
    {
        connectingLane {
            lane 19,
            maneuver {maneuverUTurnAllowed}
        },
        signalGroup 5
    }
}
},
{
    laneID 17,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -75,
                y 1797
            }
        },
        {
            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 18,
  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,

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        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 -445,
                y 1134
            }
        },
        {
            delta node-XY4 : {
                x -2587,
                y 2870
            }
        },
        {
            delta node-XY4 : {
                x -2196,
                y 2468
            }
        },
        {
            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
            }
        }
    }
}
},
{

```

```

id {
  region 0,
  id 1006
},
revision 2,
refPoint {
  lat 374255954,
  long -1221467916,
  elevation 120
},
laneWidth 330,
laneSet {
  {
    laneID 20,
    ingressApproach 9,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 335,
          y 2203
        }
      },
      {
        delta node-XY3 : {
          x 1117,
          y -1143
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 21,
          maneuver {maneuverRightAllowed}
        },
        signalGroup 6
      },
      {
        connectingLane {
          lane 23,
          maneuver {maneuverLeftAllowed}
        },
        signalGroup 6
      }
    }
  },
  {
    laneID 21,
    ingressApproach 10,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 1452,
          y 1060
        }
      },

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```

    {
      delta node-XY3 : {
        x -958,
        y -1645
      }
    },
    {
      delta node-XY3 : {
        x -929,
        y -1517
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 20,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 8
    },
    {
      connectingLane {
        lane 22,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 8
    }
  }
},
{
  laneID 22,
  ingressApproach 11,
  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 21,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 2
    },
    {
      connectingLane {
        lane 23,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 2
    }
  }
}

```

