

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

MapData payload size 617

```
payload=00128265280A3011000003F400A5F92216113F1F500837014A112C01140000019000D57BFC7210140A22F253D
B77292B7CC3A4B27593C7059FA2AFC61484A0002243880010600888000008000356AA6A586050288BE1E253A978892B
35C464974FEC7E5A4E6B7BA2C0334000002900055FB301C18140A30E8785D347A23D9CA39052044000C90E800062C04
34000002000055E56DE618140A30E8785CB87C43D9C22E0121F0000C580A680000040000AB9C974C30281461D0F0BA5
CEA07AF84700244200018B018D0000001000156E22468405028C3876C95BE8F6608E50484880008E03A100000100002
AB260AA0C0A0518743C2E393F71EFA8FE6110F800800001FA8E042100000100002ABE71B30C0A0518743C2DE442B1F1
64F581110800800001FA8E04A100000100002AC9D2C80C0A0518743C2DC94251F1ECF821111800800001FA96053A000
00100004A1D56760C0A0518743C33D5D53865E1B750CE775EF0483C00011605BA00000100004A2C17620C0A0518743C
33DED60465C1B588CDF163604844000116063A00000100004A38E88F0C0A0518743C33F1D5A46594B630CD556540484
C00011606BA00000A000290F968820281461C33D255F0640DBFF0A409000152202000A381D04000004000129D236EC
30281461D0F0CFD155E1994AC9633D7564C2207001000003F31C0F82000002000094CE793818140A30E8786804A9B8C
BE16B01A01EA921104800800001F98E084100000100004A5C2B6B0C0A0518743C340F55046613B288CF415B30882C00
400000FCC9046580020C000029EDF4016862390244880038904A980020C0002BC1649241296121410009348C4412228
00200
```

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

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 10,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1012
        },
        revision 0,
        refPoint {
          lat 374168364,
          long -1221301087,
          elevation 110
        },
        laneWidth 330,
        laneSet {
          {
            laneID 1,
            ingressApproach 1,
            laneAttributes {
              directionalUse {ingressPath},
              sharedWith {},
              laneType vehicle : {}
            },
            maneuvers {maneuverLeftAllowed, maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
              {
                delta node-XY3 : {
                  x 991,
                  y 1593
                },
                attributes {
                  data {
                    speedLimits : {
                      {
                        type vehicleMaxSpeed,
                        speed 559
                      }
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    delta node-XY5 : {
      x 2541,
      y 3813
    }
  },
  {
    delta node-XY5 : {
      x 2940,
      y 4329
    }
  },
  {
    delta node-XY6 : {
      x 5036,
      y 7736
    }
  },
  {
    delta node-XY6 : {
      x 8098,
      y 12230
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 9,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 14,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 2,
  egressApproach 2,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1364,
        y 1355
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 559
            }
          }
        }
      },
      dWidth 30
    }
  }
}

```

```

    }
  },
  {
    delta node-XY5 : {
      x 2516,
      y 3857
    }
  },
  {
    delta node-XY5 : {
      x 2869,
      y 4377
    }
  },
  {
    delta node-XY5 : {
      x 3743,
      y 5695
    }
  },
  {
    delta node-XY6 : {
      x 9446,
      y 14266
    }
  }
},
{
  laneID 3,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 2009,
        y 14
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 30
      }
    },
    {
      delta node-XY3 : {
        x 1690,
        y -1071
      }
    },
    {
      delta node-XY4 : {
        x 2873,
        y -1820
      }
    }
  }
}

```

```

    }
  },
  connectsTo {
    {
      connectingLane {
        lane 2,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 6
    },
    {
      connectingLane {
        lane 14,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  },
  {
    laneID 4,
    ingressApproach 3,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 1835,
          y -269
        },
        attributes {
          data {
            speedLimits : {
              {
                type vehicleMaxSpeed,
                speed 782
              }
            }
          },
          dWidth 30
        }
      },
      {
        delta node-XY3 : {
          x 1628,
          y -1054
        }
      },
      {
        delta node-XY4 : {
          x 2872,
          y -1864
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 15,
          maneuver {maneuverStraightAllowed}
        },

```

```

        signalGroup 6
    }
}
},
{
    laneID 5,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 1650,
                y -557
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                },
                dWidth 30
            }
        },
        {
            delta node-XY3 : {
                x 1687,
                y -1112
            }
        },
        {
            delta node-XY4 : {
                x 2808,
                y -1824
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 16,
                maneuver {maneuverStraightAllowed}
            },
            signalGroup 6
        }
    }
},
{
    laneID 6,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverUTurnAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {

```

```

    x 1476,
    y -883
  },
  attributes {
    data {
      speedLimits : {
        {
          type vehicleMaxSpeed,
          speed 782
        }
      }
    }
  },
  {
    delta node-XY4 : {
      x 1737,
      y -1155
    }
  },
  {
    delta node-XY4 : {
      x 2864,
      y -1819
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 9,
      maneuver {maneuverUTurnAllowed}
    },
    signalGroup 1
  }
}
},
{
  laneID 7,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 806,
        y -1878
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 30
      }
    }
  },
  {
    delta node-XY3 : {

```

```

        x 1593,
        y -1033
    }
},
{
    delta node-XY4 : {
        x 3050,
        y -2061
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 15,
            maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
            region 0,
            id 1013
        }
    }
}
},
{
    laneID 8,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 999,
                y -1613
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                },
                dWidth 30
            }
        },
        {
            delta node-XY3 : {
                x 1508,
                y -981
            }
        },
        {
            delta node-XY4 : {
                x 3161,
                y -2132
            }
        }
    }
},
connectsTo {
    {

```

```

        connectingLane {
            lane 16,
            maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
            region 0,
            id 1013
        }
    }
},
{
    laneID 9,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 1181,
                y -1336
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                },
                dWidth 30
            }
        },
        {
            delta node-XY3 : {
                x 1481,
                y -987
            }
        },
        {
            delta node-XY4 : {
                x 3195,
                y -2111
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 17,
                maneuver {maneuverStraightAllowed}
            },
            remoteIntersection {
                region 0,
                id 1013
            }
        }
    }
},
{
    laneID 10,

```



```

ingressApproach 7,
laneAttributes {
  directionalUse {ingressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x -1579,
      y -394
    },
    attributes {
      data {
        speedLimits : {
          {
            type vehicleMaxSpeed,
            speed 782
          }
        }
      },
      dWidth 30
    }
  },
  {
    delta node-XY4 : {
      x -2133,
      y 1358
    }
  },
  {
    delta node-XY4 : {
      x -2591,
      y 1770
    }
  },
  {
    delta node-XY4 : {
      x -2245,
      y 1519
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 7,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  }
},
{
  laneID 11,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {

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```

    x -1343,
    y -158
  },
  attributes {
    data {
      speedLimits : {
        {
          type vehicleMaxSpeed,
          speed 782
        }
      }
    },
    dWidth 30
  }
},
{
  delta node-XY4 : {
    x -2115,
    y 1409
  }
},
{
  delta node-XY4 : {
    x -2623,
    y 1713
  }
},
{
  delta node-XY4 : {
    x -2312,
    y 1590
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 8,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  }
}
},
{
  laneID 12,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1138,
        y 143
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  }
}
}

```

```

    }
    },
    dWidth 30
  }
},
{
  delta node-XY4 : {
    x -2077,
    y 1385
  }
},
{
  delta node-XY4 : {
    x -2668,
    y 1734
  }
},
{
  delta node-XY4 : {
    x -2390,
    y 1620
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 9,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  }
}
},
{
  laneID 13,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY2 : {
        x -900,
        y 418
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  },
  {
    delta node-XY4 : {
      x -2140,
      y 1404
    }
  },
},

```

```

    {
      delta node-XY4 : {
        x -3059,
        y 2046
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 2,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 5
    },
    {
      connectingLane {
        lane 16,
        maneuver {maneuverUTurnAllowed}
      },
      signalGroup 5
    }
  }
},
{
  laneID 14,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -184,
        y 1467
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 30
      }
    },
    {
      delta node-XY4 : {
        x -2072,
        y 1374
      }
    },
    {
      delta node-XY4 : {
        x -2478,
        y 1611
      }
    },
    {
      delta node-XY4 : {
        x -2130,

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```

        y 1427
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 3,
            maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
            region 0,
            id 1011
        }
    }
}
},
{
    laneID 15,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -397,
                y 1180
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            },
            dWidth 30
        }
    },
    {
        delta node-XY4 : {
            x -2044,
            y 1335
        }
    },
    {
        delta node-XY4 : {
            x -2576,
            y 1712
        }
    },
    {
        delta node-XY4 : {
            x -2041,
            y 1353
        }
    }
}
},
connectsTo {
    {
        connectingLane {

```

```

        lane 4,
        maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
        region 0,
        id 1011
    }
}
},
{
    laneID 16,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -574,
                y 875
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            },
            dWidth 30
        }
    },
    {
        delta node-XY4 : {
            x -2018,
            y 1345
        }
    },
    {
        delta node-XY4 : {
            x -2541,
            y 1617
        }
    },
    {
        delta node-XY4 : {
            x -2144,
            y 1459
        }
    }
},
connectsTo {
    {
        connectingLane {
            lane 5,
            maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
            region 0,
            id 1011
        }
    }
}

```

```

    }
  },
  {
    laneID 17,
    ingressApproach 9,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 493,
          y 1856
        }
      },
      {
        delta node-XY3 : {
          x 1292,
          y -910
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 18,
          maneuver {maneuverRightAllowed}
        },
        signalGroup 14
      }
    }
  },
  {
    laneID 18,
    ingressApproach 10,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 2092,
          y 585
        },
        attributes {
          dWidth 150
        }
      },
      {
        delta node-XY3 : {
          x -984,
          y -1536
        }
      },
      {
        delta node-XY3 : {
          x -814,
          y -1263
        }
      }
    }
  },

```

```
connectsTo {
  {
    connectingLane {
      lane 17,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 16
  }
}
}
```