

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

MapData payload size 673

```
payload=0012829D280A3011000003EB00A5FA54D9913D3F53084B0168112C0114000000900057343C0584050288BC397
A67073ADEF04871000216010A000000C800AAC52E0A0C0A05117B882BC4CBE255D16AC0AE8325C98D16D402C6BD5C2C
B4D4E610A43C800112128000830064400000400032B5273DC30281445EE20E9E76B01E5737BA2BB9CBA263BDB378B0B
35A899E5F10E2B41B852C0434000002900055CA0E0C10140A30E25C6A825965B719D5052064000C90E800062C053400
0002000055AC0C6410140A30E25CA67FA965A719DBC121F0000C580C680000040000AB12D4FC20281461C4BA3CFE82C
B2C33C28244200018701D08000008000153DC0788405028C387A66249966C9189B8221F001000003EC1C08420000020
0005519638210140A30E1EA4C8D459AB662CA0888400400000FB0702508000008000154DE95C8405028C387A7024B16
6B4D8A6C2223001000003EC2C0A740000020000D42A2F8A10140A30E21967AE91102BC8CC863A6C7A563349F0F0483C
00011605BA00000100006A2488AF080A0518710C90D764881BE45A4312365D2B1CDCF990242200008B031D000000800
0351B34C88405028C3886286C2043F772C421971AD7958E5A7D38121300004581AE80000028000A91CE9E830281461C
F111343B7FC6786C8E8A40D000152202000A381D040000040001A9E07AE420281461C441771502B5644C5290EA5CF78
AC40140DC1108800800001F50E07C100000100006A6CFD55080A0518711028C620AD5F9306A439933F92B102D07F844
26002000007D43821040000040001A9796FE420281461C440A319A2B560CC5310E91CE5CAC3D741D0110A800800001F
51208CB00041A0009724ACB1023C419E42D058A46DA1B65A3012244001C48254C0010600025E50281E08F1052717411
A99A788BF4CCC122280020
```

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

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 10,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1003
        },
        revision 0,
        refPoint {
          lat 374325427,
          long -1221546841,
          elevation 150
        },
        laneWidth 360,
        laneSet {
          {
            laneID 1,
            ingressApproach 1,
            laneAttributes {
              directionalUse {ingressPath},
              sharedWith {},
              laneType vehicle : {}
            },
            maneuvers {maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
              {
                delta node-XY4 : {
                  x 835,
                  y 2059
                },
                attributes {
                  data {
                    speedLimits : {
                      {
                        type vehicleMaxSpeed,
                        speed 559
                      }
                    }
                  }
                }
              }
            }
          },
        }
      }
    }
  }
}
```

```

    {
      delta node-XY2 : {
        x 606,
        y 206
      }
    },
    {
      delta node-XY2 : {
        x 629,
        y 495
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 14,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 4
    }
  }
},
{
  laneID 2,
  ingressApproach 1,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1106,
        y 1546
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 559
            }
          }
        }
      },
      dWidth -60
    }
  },
  {
    delta node-XY3 : {
      x 964,
      y 1214
    }
  },
  {
    delta node-XY5 : {
      x 2792,
      y 3416
    }
  },
  {
    delta node-XY3 : {
      x 928,
      y 1175
    }
  }
}

```

```

    }
  },
  {
    delta node-XY5 : {
      x 4514,
      y 5792
    }
  },
  {
    delta node-XY3 : {
      x 1131,
      y 1372
    }
  },
  {
    delta node-XY6 : {
      x 5786,
      y 7362
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 15,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 9,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 3,
  egressApproach 2,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1353,
        y 1271
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 559
            }
          }
        },
        dWidth -60
      }
    }
  },
  {

```

```

    delta node-XY4 : {
      x 1267,
      y 1712
    }
  },
  {
    delta node-XY4 : {
      x 2396,
      y 3037
    }
  },
  {
    delta node-XY3 : {
      x 953,
      y 1210
    }
  },
  {
    delta node-XY5 : {
      x 4574,
      y 5743
    }
  },
  {
    delta node-XY3 : {
      x 1068,
      y 1386
    }
  },
  {
    delta node-XY5 : {
      x 5067,
      y 6279
    }
  },
  {
    delta node-XY3 : {
      x 833,
      y 901
    }
  }
},
{
  laneID 4,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
  maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1616,
        y -250
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  }
}

```

```

    }
  }
},
{
  delta node-XY5 : {
    x 3637,
    y -4021
  }
},
{
  delta node-XY6 : {
    x 5852,
    y -6316
  }
},
connectsTo {
  {
    connectingLane {
      lane 3,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 6
  },
  {
    connectingLane {
      lane 14,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 6
  }
},
{
  laneID 5,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1376,
        y -462
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  },
  {
    delta node-XY5 : {
      x 3667,
      y -4107
    }
  },

```

```

    {
      delta node-XY6 : {
        x 5788,
        y -6289
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 15,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  }
},
{
  laneID 6,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1099,
        y -705
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  },
  {
    delta node-XY5 : {
      x 3727,
      y -4120
    }
  },
  {
    delta node-XY6 : {
      x 5720,
      y -6267
    }
  }
},
  connectsTo {
    {
      connectingLane {
        lane 16,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  }
},

```

```

{
  laneID 7,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -72,
        y -1807
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      delta node-XY4 : {
        x 2662,
        y -2925
      }
    },
    {
      delta node-XY6 : {
        x 6948,
        y -7570
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 15,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1004
      }
    }
  }
},
{
  laneID 8,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 203,
        y -1599
      }
    }
  }
}

```

```

    },
    attributes {
      data {
        speedLimits : {
          {
            type vehicleMaxSpeed,
            speed 782
          }
        }
      }
    },
    {
      delta node-XY4 : {
        x 2707,
        y -2966
      }
    },
    {
      delta node-XY6 : {
        x 6838,
        y -7478
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 16,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1004
      }
    }
  }
},
{
  laneID 9,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 445,
        y -1351
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  }
},
{
  delta node-XY4 : {

```



```

        x 2672,
        y -2922
    }
},
{
    delta node-XY6 : {
        x 6867,
        y -7525
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 17,
            maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
            region 0,
            id 1004
        }
    }
}
},
{
    laneID 10,
    ingressApproach 7,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -1711,
                y -59
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            }
        }
    },
    {
        delta node-XY5 : {
            x -4941,
            y 5586
        }
    },
    {
        delta node-XY5 : {
            x -4053,
            y 4659
        }
    },
    {
        delta node-XY5 : {
            x -5004,
            y 5693
        }
    }
}

```

```

    }
  },
  {
    delta node-XY6 : {
      x -7372,
      y 7951
    }
  }
},
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 : {
        x -1464,
        y 175
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  },
  {
    delta node-XY5 : {
      x -4976,
      y 5593
    }
  },
  {
    delta node-XY5 : {
      x -4041,
      y 4653
    }
  },
  {
    delta node-XY5 : {
      x -5048,
      y 5725
    }
  },
  {
    delta node-XY6 : {
      x -7269,

```

```

        y 7986
    }
}
},
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 -1178,
                y 401
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            }
        },
        {
            delta node-XY5 : {
                x -5040,
                y 5648
            }
        },
        {
            delta node-XY5 : {
                x -4131,
                y 4804
            }
        },
        {
            delta node-XY5 : {
                x -4936,
                y 5551
            }
        },
        {
            delta node-XY6 : {
                x -7274,
                y 8014
            }
        }
    },
    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-XY3 : {
          x -909,
          y 634
        },
        attributes {
          data {
            speedLimits : {
              {
                type vehicleMaxSpeed,
                speed 782
              }
            }
          },
          dWidth -30
        }
      },
      {
        delta node-XY5 : {
          x -3261,
          y 3583
        }
      },
      {
        delta node-XY4 : {
          x -2170,
          y 2333
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 3,
          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 -127,
        y 1721
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      delta node-XY5 : {
        x -4003,
        y 4432
      }
    },
    {
      delta node-XY6 : {
        x -5432,
        y 6309
      }
    },
    {
      delta node-XY5 : {
        x -4443,
        y 5086
      }
    },
    {
      delta node-XY6 : {
        x -7680,
        y 8302
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 8,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1002
      }
    }
  }
},
{
  laneID 15,

```

```

egressApproach 8,
laneAttributes {
  directionalUse {egressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x -305,
      y 1365
    },
    attributes {
      data {
        speedLimits : {
          {
            type vehicleMaxSpeed,
            speed 782
          }
        }
      }
    }
  },
  {
    delta node-XY5 : {
      x -4056,
      y 4488
    }
  },
  {
    delta node-XY6 : {
      x -5380,
      y 6197
    }
  },
  {
    delta node-XY5 : {
      x -4508,
      y 5113
    }
  },
  {
    delta node-XY6 : {
      x -7675,
      y 8447
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 9,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1002
    }
  }
}
},
{
  laneID 16,
  egressApproach 8,
  laneAttributes {

```

```

    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -539,
        y 1017
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      delta node-XY5 : {
        x -4056,
        y 4506
      }
    },
    {
      delta node-XY6 : {
        x -5439,
        y 6310
      }
    },
    {
      delta node-XY5 : {
        x -4463,
        y 5015
      }
    },
    {
      delta node-XY6 : {
        x -7701,
        y 8424
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 10,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1002
      }
    }
  }
},
{
  laneID 17,
  ingressApproach 9,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},

```

```

    laneType crosswalk : {hasPushToWalkButton, audioSupport,
        unsignalizedSegmentsPresent}
},
nodeList nodes : {
    {
        delta node-XY4 : {
            x 586,
            y 2402
        },
        attributes {
            dWidth -30
        }
    },
    {
        delta node-XY2 : {
            x 242,
            y -844
        }
    },
    {
        delta node-XY3 : {
            x 1106,
            y -1171
        }
    },
    {
        delta node-XY2 : {
            x 434,
            y 652
        }
    }
},
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 2368,
                y 1039
            },
            attributes {
                dWidth -30
            }
        },
        {
            delta node-XY2 : {
                x -434,
                y -652
            }
        }
    },
}

```



```
{
  delta node-XY3 : {
    x -1197,
    y -1201
  }
},
{
  delta node-XY3 : {
    x -1283,
    y -1229
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 17,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 16
  }
}
}
}
}
}
```