

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

MapData payload size 733

```
payload=001282D9280B3019000003ED00A5F9F7A7913DA9A6083C014A0288BC58B0045000000E40021CF9AE483B2C671
075C2C2C92A50BE4C92128000890C80004488900020C0111000001C00042CD4E141DC9740C3ACE611C95045F5C58066
800000520012B9FDD8020281461C4ADB532825592A0B8F510459148110003244600018B010D0000008000216DB31C12
B344DA0958027E23D01929C12250000C580A6800000400010B3E94F4956F277C4BAB0F6D1DB49124291380006083400
16031A000000A0004AC2A430047889570A7C24AC653AB16302560A4244000521880002380E8400000400012E3587D80
48787A6924212B0A4D7879362B684436002000007DC38108400000400010A97035C7AA421E12ADB4E8C79882A20443A
002000007DC38128400000400010ABDC800956C282C4ACC53A51E6049CC110F800800001F716052A00000048004B68F
1F9420281445E33FB929849165DE23F13F40483900041605AA000001800063609A41067E61E90D3306981A1D096843D
C46E2248140004042A001226800103018C40000070001A8BEC804121E19F6C72E34DB9A70687325310F6C1C08B035D0
00000A40015048CFC8605028C39E221C3FA0B90BB7D8A0520F0000490C200022C0E740000020000443175BE438673F0
217B1B1C8242200008B03DD00000080001113FDC790DD3D19C8622EBA229098000208840016083A000000A0004A36BC
64047888986DD5A245BBBF097FA4C290240005489880028E08C100000100002A6E7FB00487888FAE0265694E9961088
2400400000FB0704A08000008000112FC758911DCC058AD2BF334E1105800800001F60E09C1000001000022518DB922
3C980D95A49A669C220D001000003EC041460008300002E21B90D04788599257A29152000E48BA0007020AB00041800
045E65316241A21C122A11C8A4510004122C40020082CC0010600001BE80BC034C6DB64522A800149172000A0417600
083000088045FB0591D9622C6EC70148A10006245900030
```

gov.usdot.asn1.generated.j2735.dssrc.MessageFrame

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 11,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1005
        },
        revision 0,
        refPoint {
          lat 374277711,
          long -1221492403,
          elevation 120
        },
        laneWidth 330,
        speedLimits {
          {
            type vehicleMaxSpeed,
            speed 559
          }
        },
        laneSet {
          {
            laneID 1,
            ingressApproach 1,
            laneAttributes {
              directionalUse {ingressPath},
              sharedWith {},
              laneType vehicle : {}
            },
            maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed,
              maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
              {
                delta node-XY4 : {
                  x 998,
                  y 1828
                }
              },
              {
                delta node-XY4 : {
                  x 1624,
                  y 2500
                }
              }
            }
          }
        }
      }
    }
  }
}
```

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    },
    {
      delta node-XY4 : {
        x 1474,
        y 2137
      }
    },
    {
      delta node-XY5 : {
        x 2640,
        y 3987
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 9,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 4
    },
    {
      connectingLane {
        lane 12,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 4
    },
    {
      connectingLane {
        lane 17,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 4
    }
  }
},
{
  laneID 2,
  egressApproach 2,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1236,
        y 1556
      }
    },
    {
      delta node-XY4 : {
        x 1829,
        y 2566
      }
    },
    {
      delta node-XY4 : {
        x 1436,
        y 2119
      }
    },
    {
      delta node-XY5 : {
        x 2568,

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        y 4014
    }
}
},
{
    laneID 3,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
        maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 1663,
                y -160
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            }
        },
        {
            delta node-XY5 : {
                x 2925,
                y -3288
            }
        },
        {
            delta node-XY5 : {
                x 2761,
                y -3049
            }
        },
        {
            delta node-XY4 : {
                x 2696,
                y -2983
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 2,
                maneuver {maneuverRightAllowed}
            },
            signalGroup 6
        },
        {
            connectingLane {
                lane 17,
                maneuver {maneuverStraightAllowed}
            },
            signalGroup 6
        }
    }
},
{

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```

laneID 4,
ingressApproach 3,
laneAttributes {
  directionalUse {ingressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x 1462,
      y -456
    }
  },
  {
    delta node-XY5 : {
      x 2868,
      y -3224
    }
  },
  {
    delta node-XY5 : {
      x 2816,
      y -3087
    }
  },
  {
    delta node-XY4 : {
      x 2563,
      y -2905
    }
  }
},
connectsTo {
  {
    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 1274,
        y -707
      }
    },
    {
      delta node-XY5 : {
        x 2782,
        y -3138
      }
    },
    {
      delta node-XY5 : {
        x 3756,

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        y -4243
    }
},
{
    delta node-XY4 : {
        x 1746,
        y -1902
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 19,
            maneuver {maneuverStraightAllowed}
        },
        signalGroup 6
    },
    {
        connectingLane {
            lane 6,
            maneuver {maneuverStraightAllowed}
        }
    }
}
},
{
    laneID 6,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 1066,
                y -976
            },
            attributes {
                dWidth -30
            }
        },
        {
            delta node-XY5 : {
                x 2785,
                y -3103
            }
        },
        {
            delta node-XY5 : {
                x 2841,
                y -3157
            }
        },
        {
            delta node-XY3 : {
                x 1120,
                y -852
            }
        }
    }
},
connectsTo {
    {
        connectingLane {
            lane 9,
            maneuver {maneuverUTurnAllowed}
        }
    }
}
}

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    },
    signalGroup 1
  },
  {
    connectingLane {
      lane 12,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 1
  }
},
{
  laneID 7,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 428,
        y -2088
      },
      attributes {
        dWidth 30
      }
    },
    {
      delta node-XY4 : {
        x 2665,
        y -2940
      }
    },
    {
      delta node-XY5 : {
        x 2826,
        y -3234
      }
    },
    {
      delta node-XY4 : {
        x 2358,
        y -2707
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 13,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1006
      }
    }
  }
},
{
  laneID 8,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},

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```

    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 604,
        y -1833
      }
    },
    {
      delta node-XY4 : {
        x 2724,
        y -3012
      }
    },
    {
      delta node-XY5 : {
        x 2779,
        y -3165
      }
    },
    {
      delta node-XY4 : {
        x 2440,
        y -2748
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 14,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1006
      }
    }
  }
},
{
  laneID 9,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 759,
        y -1536
      }
    },
    {
      delta node-XY5 : {
        x 2776,
        y -3050
      }
    },
    {
      delta node-XY5 : {
        x 2865,
        y -3163
      }
    }
  }
}

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```

    },
    {
      delta node-XY4 : {
        x 2433,
        y -2842
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 15,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1006
      }
    }
  }
},
{
  laneID 10,
  ingressApproach 5,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -738,
        y -2075
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 559
            }
          }
        }
      }
    }
  },
  {
    delta node-XY4 : {
      x -2057,
      y -2906
    }
  },
  {
    delta node-XY3 : {
      x -885,
      y -1297
    }
  },
  {
    delta node-XY3 : {
      x -1039,
      y -1036
    }
  }
},
connectsTo {
  {
    connectingLane {

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```

        lane 7,
        maneuver {maneuverRightAllowed}
    },
    signalGroup 8
}
}
},
{
    laneID 11,
    ingressApproach 5,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverLeftAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -1005,
                y -1788
            }
        },
        {
            delta node-XY4 : {
                x -2074,
                y -3118
            }
        },
        {
            delta node-XY4 : {
                x -1640,
                y -2408
            }
        },
        {
            delta node-XY4 : {
                x -1932,
                y -2892
            }
        },
        {
            delta node-XY5 : {
                x -4239,
                y -6430
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 2,
                maneuver {maneuverStraightAllowed}
            },
            signalGroup 8
        },
        {
            connectingLane {
                lane 10,
                maneuver {maneuverStraightAllowed}
            }
        },
        {
            connectingLane {
                lane 19,
                maneuver {maneuverLeftAllowed}
            },
            signalGroup 8
        }
    }
}

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```

    }
  },
  {
    laneID 12,
    egressApproach 6,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1285,
          y -1535
        },
        attributes {
          dWidth 30
        }
      },
      {
        delta node-XY4 : {
          x -2085,
          y -3177
        }
      },
      {
        delta node-XY4 : {
          x -1609,
          y -2404
        }
      },
      {
        delta node-XY4 : {
          x -1933,
          y -2906
        }
      },
      {
        delta node-XY5 : {
          x -4244,
          y -6398
        }
      }
    }
  },
  {
    laneID 13,
    ingressApproach 7,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
      maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1903,
          y 505
        },
        attributes {
          data {
            speedLimits : {
              {
                type vehicleMaxSpeed,
                speed 782
              }
            }
          }
        }
      }
    }
  }
}

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```

    }
  },
  dWidth -30
}
},
{
  delta node-XY5 : {
    x -4577,
    y 5143
  }
},
{
  delta node-XY5 : {
    x -5193,
    y 5672
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 7,
      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 -1653,
        y 735
      }
    },
    {
      delta node-XY5 : {
        x -4583,
        y 5104
      }
    },
    {
      delta node-XY5 : {
        x -5160,
        y 5689
      }
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 8,

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        maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
}
},
{
    laneID 15,
    ingressApproach 7,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -1409,
                y 911
            }
        },
        {
            delta node-XY5 : {
                x -4653,
                y 5223
            }
        },
        {
            delta node-XY5 : {
                x -5051,
                y 5585
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 9,
                maneuver {maneuverStraightAllowed}
            },
            signalGroup 2
        },
        {
            connectingLane {
                lane 16,
                maneuver {maneuverStraightAllowed}
            }
        }
    }
},
{
    laneID 16,
    ingressApproach 7,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -1173,
                y 1124
            },
            attributes {
                dWidth -30
            }
        }
    }
}

```

```

    },
    {
      delta node-XY5 : {
        x -3315,
        y 3757
      }
    },
    {
      delta node-XY3 : {
        x -933,
        y 959
      }
    },
    {
      delta node-XY2 : {
        x -641,
        y 294
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 2,
        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 -281,
        y 1968
      },
      attributes {
        dWidth 30
      }
    },
    {
      delta node-XY5 : {
        x -3595,
        y 4115
      }
    },
    {
      delta node-XY6 : {
        x -5810,
        y 6497
      }
    }
  }
},

```

```

connectsTo {
  {
    connectingLane {
      lane 4,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1004
    }
  }
},
{
  laneID 18,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -520,
        y 1713
      }
    },
    {
      delta node-XY5 : {
        x -3620,
        y 4118
      }
    },
    {
      delta node-XY6 : {
        x -5793,
        y 6567
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 5,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1004
      }
    }
  }
},
{
  laneID 19,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -744,
        y 1465
      }
    }
  }
}

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```

    }
  },
  {
    delta node-XY5 : {
      x -3612,
      y 4123
    }
  },
  {
    delta node-XY6 : {
      x -5850,
      y 6567
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 6,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1004
    }
  }
}
},
{
  laneID 20,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 269,
        y 2317
      },
      attributes {
        dWidth -30
      }
    },
    {
      delta node-XY3 : {
        x 1225,
        y -1347
      }
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 21,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 14
  },
  {
    connectingLane {
      lane 23,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 14
  }
}
},

```

```

{
  laneID 21,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1842,
        y 395
      }
    },
    {
      delta node-XY3 : {
        x -998,
        y -1508
      }
    },
    {
      delta node-XY3 : {
        x -940,
        y -1479
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 20,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 16
    },
    {
      connectingLane {
        lane 22,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 16
    }
  },
  {
    laneID 22,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x -96,
          y -2592
        }
      },
      {
        delta node-XY4 : {
          x -1651,
          y 1753
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 21,

```


