

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

MapData payload size 789

```
payload=00128311280A3011000003ED00A5F9F7A7913DA9A6083C014A162C01140000039000973E6B9204050288BC765
8CE20EB85859254A17C9924250001121900008911200041802220000020000959A9C2810140A22F1DC9740C3ACE611C
95045F5C58066800000520012B9FDD8020281461C4ADB532825592A0B8F510459148110003244600018B010D00000008
000256DB31C0405028C38959A26D04AC013F11E80C94E0912800062C05340000020000959F4A7A10140A30E255BC9DF
12B074E287A7723A8244E00018B018D0000005000156152180605028C39E2255C29F092AAB4F5452122000290C40001
1C07420000020000971AC3EC0405028C387A6924212B0A4D7879362B684436002000007DC38108400000400012A9703
5C20281461C3D5210F0956DA7463CC41510221D001000003EE1C09420000020000955EE40010140A30E255B0A0B12B3
14E9479812730443E002000007DC5814A80000052000ADA3C7E5080A051178CFEE4A61A618C4A290280008483900041
605AA00000180006B609A41020281445E33F30F48699834C0D0E84B421EE23710A40A00021226800103018C40000040
001A8BEC80430281445F0F0CFB63971A6DCD383439929887B60E04581AE80000052000A82467E420281461C4387F417
2176FB140A41E0000921840004581CE80000040000A862EB7C20281461C438673F0217B1B1C8242200008B03DD00000
080001513FDC78405028C3886E9E8CE431175D10484C000116083A000000A0002A36BC640C0A051873C444C36EAD113
F6B78A409000152262000A3823040000040000A9B9FEC020281461C447D70132B4A74CB084412002000007D83825040
00040000A97E3AC420281461C447730162B4AFCCD384416002000007D83827040000040000A94636E420281461C447
9301B2B4934CD38441A002000007D848292C00106000056EB5E5023C423C7CE9148A90007245D000389056980020C00
02AF3298B0478848344382454239148A20008245880040905AD80020C0000B7D0178011E21A636DB229154000A48B90
005120BE300041800054022FD808F10B23B2C459FD82C29142000C48B2000600
```

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

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 10,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1005
        },
        revision 0,
        refPoint {
          lat 374277711,
          long -1221492403,
          elevation 120
        },
        laneWidth 330,
        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
                },
                attributes {
                  data {
                    speedLimits : {
                      {
                        type vehicleMaxSpeed,
                        speed 559
                      }
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  },
  {
    delta node-XY4 : {
      x 1624,
      y 2500
    }
  },
  {
    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},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1236,
        y 1556
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,

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        speed 559
    }
}
},
{
    delta node-XY4 : {
        x 1829,
        y 2566
    }
},
{
    delta node-XY4 : {
        x 1436,
        y 2119
    }
},
{
    delta node-XY5 : {
        x 2568,
        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
  }
},
{
  laneID 4,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1462,
        y -456
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  },
  {
    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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      delta node-XY5 : {
        x 2782,
        y -3138
      }
    },
    {
      delta node-XY5 : {
        x 2823,
        y -3190
      }
    },
    {
      delta node-XY4 : {
        x 2679,
        y -2955
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 19,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  }
}

```

```

},
{
  laneID 6,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1066,
        y -976
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth -30
      }
    },
    {
      delta node-XY5 : {
        x 2785,
        y -3103
      }
    },
    {
      delta node-XY5 : {
        x 2731,
        y -3115
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 9,
        maneuver {maneuverUTurnAllowed}
      },
      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 {
      data {
        speedLimits : {
          {
            type vehicleMaxSpeed,
            speed 782
          }
        }
      }
    }
  },
  {
    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 {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 604,
        y -1833
      },
      attributes {

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```

    data {
      speedLimits : {
        {
          type vehicleMaxSpeed,
          speed 782
        }
      }
    }
  },
  {
    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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    }
  }
}

```



```

    }
  },
  {
    delta node-XY5 : {
      x 2776,
      y -3050
    }
  },
  {
    delta node-XY5 : {
      x 2865,
      y -3163
    }
  },
  {
    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 {maneuverStraightAllowed, 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-XY4 : {
        x -1658,
        y -2523
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 2,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 8
    },
    {
      connectingLane {
        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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 559
            }
          }
        }
      }
    }
  },
  {
    delta node-XY4 : {
      x -2074,
      y -3118
    }
  },
  {
    delta node-XY4 : {
      x -1640,
      y -2408
    }
  },
  {
    delta node-XY4 : {
      x -1932,

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        y -2892
    }
},
{
    delta node-XY5 : {
        x -4239,
        y -6430
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 2,
            maneuver {maneuverStraightAllowed}
        },
        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 -1285,
                y -1535
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 559
                        }
                    }
                },
                dWidth 30
            }
        },
        {
            delta node-XY4 : {
                x -2085,
                y -3177
            }
        },
        {
            delta node-XY4 : {
                x -1609,
                y -2404
            }
        }
    },
}

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```

    {
      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
              }
            }
          }
        }
      },
      {
        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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      delta node-XY5 : {
        x -4583,
        y 5104
      }
    },
    {
      delta node-XY5 : {
        x -5160,
        y 5689
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 8,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 2
    }
  }
},
{
  laneID 15,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {

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```

        x -1409,
        y 911
    },
    attributes {
        data {
            speedLimits : {
                {
                    type vehicleMaxSpeed,
                    speed 782
                }
            }
        }
    },
    {
        delta node-XY5 : {
            x -4653,
            y 5223
        }
    },
    {
        delta node-XY5 : {
            x -5051,
            y 5585
        }
    }
},
connectsTo {
    {
        connectingLane {
            lane 9,
            maneuver {maneuverStraightAllowed}
        },
        signalGroup 2
    }
}
},
{
    laneID 16,
    ingressApproach 7,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -1173,
                y 1124
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                },
                dWidth -30
            }
        },
        {
            delta node-XY5 : {

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```

        x -3315,
        y 3757
    }
},
{
    delta node-XY3 : {
        x -1410,
        y 1391
    }
}
},
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 {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            }
        },
        {
            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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      }
    },
    {
      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,
  ingressApproach 9,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1494,
        y 970
      },
    },

```

```

    attributes {
      dWidth -30
    }
  },
  {
    delta node-XY3 : {
      x -1081,
      y 1257
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 21,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 14
  },
  {
    connectingLane {
      lane 23,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 14
  }
}
},
{
  laneID 21,
  ingressApproach 10,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 1842,
        y 395
      },
      attributes {
        dWidth -30
      }
    },
    {
      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,
    ingressApproach 11,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x -96,
          y -2592
        },
        attributes {
          dWidth -30
        }
      },
      {
        delta node-XY4 : {
          x -1651,
          y 1753
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 21,
          maneuver {maneuverLeftAllowed}
        },
        signalGroup 10
      },
      {
        connectingLane {
          lane 23,
          maneuver {maneuverRightAllowed}
        },
        signalGroup 10
      }
    }
  },
  {
    laneID 23,
    ingressApproach 12,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -2031,
          y -20
        },
      },
    }
  }
}

```

```
attributes {
  dWidth -30
}
},
{
  delta node-XY3 : {
    x 1166,
    y 1201
  }
},
{
  delta node-XY3 : {
    x 1278,
    y 1046
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 20,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 12
  },
  {
    connectingLane {
      lane 22,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 12
  }
}
}
}
}
}
}
}
```