

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

MapData payload size 768

```
payload=001282FC28093119000003F200A5F94FA3913EC8988832015E0288BC0CB0045000000E40031C27F0CA3B966BD
0949EDBBA4BB976DA25F9DBDC124250001121700008910200041802220000020000C53BBF403B6E6BE894B05C7C4BB3
F6B8260A3BC316052A000001C8004B7799B2C120A19DA0792454E0F6F2B44DAE011240A0000D20E4000691240003180
B62000002000096D873D90241433FF8D748AAA9E5E568315C1432000007E4054BF29F47227D9131106402D005187069
6019A000001480043C92BCBC99FE25063D75A380994327A02902200064884000316021A000001000043C2A37D099DDA
5CC3DB4226C992E27DC0911800062C053400000200008778466D933854C647BA042913219500812250000C580C68000
0028000AED94BA8047887A334920F1C6A03148488000A42D00004701D0800000800021CFBCF104C49550E25B70B5F93
1F5509C2215001000003F31C08420000020000874BE461930DA53DC96FB2DD04C8A13E70885C00400000FCC70250800
000800021D6353CA4C2C94DB25BE0B78932524FBC2219001000003F32C0C740000029000C4184D7241FDAFC619762CD
C430B2C031905EF8E290780002485900011606BA0000010000620B18AC212097810CBF3665217F55FB0C75F80004844
000116073A0000010000620C1A20212D776A0CCC56352185F5FC8C7297EA0484C00011607BA000000A0002B454CF341
1E21A5068E22339AF4148120002A4484001470420800000800031ACD707242B52DBC19A5EC404376AACB2217150D044
0E002000007E238230400000400018D47B6F5216016E70CCEB62721BE3560910B8A7EC2209001000003F11C12820000
020000C6987AF110ADCB6A0665CB1210E20AB00886C54021105800800001F891000003F204A5F94FA3913EC89888320
14A032413960008300000DD15932162CA910A4508001922C8000C48294C0010600011E67622024331E3121C97D8A454
8001122680008482B6C0010600001C824BDC20F3B59148B10001245100008905B180020C0002217C3E51BF5B1822B71
C891489900022455000100
```

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

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 9,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1010
        },
        revision 0,
        refPoint {
          lat 374191687,
          long -1221345486,
          elevation 100
        },
        laneWidth 350,
        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 159,
                  y 2149
                }
              },
              {

```

```

    delta node-XY4 : {
      x 1836,
      y 2804
    }
  },
  {
    delta node-XY5 : {
      x 2365,
      y 3549
    }
  },
  {
    delta node-XY5 : {
      x 3813,
      y 5850
    }
  },
  {
    delta node-XY5 : {
      x 4046,
      y 6072
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 9,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 11,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 16,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 2,
  egressApproach 2,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x 477,
        y 1952
      }
    },
    {
      delta node-XY4 : {

```

```

        x 1756,
        y 2810
    }
},
{
    delta node-XY5 : {
        x 2400,
        y 3646
    }
},
{
    delta node-XY5 : {
        x 3791,
        y 5816
    }
},
{
    delta node-XY5 : {
        x 4177,
        y 6022
    }
}
},
{
    laneID 10,
    ingressApproach 5,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed,
        maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -269,
                y -2357
            },
            attributes {
                dWidth 10
            }
        },
        {
            delta node-XY4 : {
                x -2200,
                y -3127
            }
        },
        {
            delta node-XY5 : {
                x -2760,
                y -4241
            }
        },
        {
            delta node-XY6 : {
                x -5989,
                y -9214
            }
        }
    },
    connectsTo {
        {
            connectingLane {

```

```

        lane 2,
        maneuver {maneuverStraightAllowed}
    },
    signalGroup 3
},
{
    connectingLane {
        lane 7,
        maneuver {maneuverRightAllowed}
    },
    signalGroup 3
},
{
    connectingLane {
        lane 18,
        maneuver {maneuverLeftAllowed}
    },
    signalGroup 3
}
},
{
    laneID 11,
    egressApproach 6,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -633,
                y -2126
            },
            attributes {
                dWidth 10
            }
        },
        {
            delta node-XY4 : {
                x -2049,
                y -3235
            }
        },
        {
            delta node-XY5 : {
                x -2731,
                y -4305
            }
        },
        {
            delta node-XY6 : {
                x -6095,
                y -9196
            }
        }
    }
}
},
{
    id {
        region 0,
        id 1010
    }
}

```

```

},
revision 1,
refPoint {
  lat 374191687,
  long -1221345486,
  elevation 100
},
laneWidth 360,
speedLimits {
  {
    type vehicleMaxSpeed,
    speed 782
  }
},
laneSet {
  {
    laneID 3,
    ingressApproach 3,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
      maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 2341,
          y -209
        }
      },
      {
        delta node-XY5 : {
          x 5116,
          y -3453
        }
      },
      {
        delta node-XY4 : {
          x 2795,
          y -1824
        }
      },
      {
        delta node-XY5 : {
          x 4742,
          y -3120
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 2,
          maneuver {maneuverRightAllowed}
        },
        signalGroup 6
      },
      {
        connectingLane {
          lane 16,
          maneuver {maneuverStraightAllowed}
        },
        signalGroup 6
      }
    }
  }
}

```

```

    }
  },
  {
    laneID 4,
    ingressApproach 3,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 2132,
          y -524
        }
      },
      {
        delta node-XY5 : {
          x 5051,
          y -3354
        }
      },
      {
        delta node-XY4 : {
          x 2920,
          y -1893
        }
      },
      {
        delta node-XY5 : {
          x 4700,
          y -3090
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 17,
          maneuver {maneuverStraightAllowed}
        },
        signalGroup 6
      }
    }
  },
  {
    laneID 5,
    ingressApproach 3,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 1924,
          y -805
        }
      },
      {
        delta node-XY5 : {
          x 4997,

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```

        y -3303
    }
},
{
    delta node-XY4 : {
        x 2976,
        y -1966
    }
},
{
    delta node-XY5 : {
        x 4633,
        y -3070
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 18,
            maneuver {maneuverStraightAllowed}
        },
        signalGroup 6
    }
}
},
{
    laneID 6,
    ingressApproach 3,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x 1738,
                y -1112
            },
            attributes {
                dWidth -30
            }
        },
        {
            delta node-XY4 : {
                x 2611,
                y -1756
            }
        },
        {
            delta node-XY4 : {
                x 2275,
                y -1533
            }
        }
    }
},
connectsTo {
    {
        connectingLane {
            lane 9,
            maneuver {maneuverUTurnAllowed}
        },
        signalGroup 1
    },
},

```

```

    {
      connectingLane {
        lane 11,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 1
    }
  },
  {
    laneID 7,
    egressApproach 4,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 1007,
          y -2168
        }
      },
      {
        delta node-XY5 : {
          x 4389,
          y -2802
        }
      },
      {
        delta node-XY5 : {
          x 3512,
          y -2369
        }
      },
      {
        delta node-XY5 : {
          x 4597,
          y -3033
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 10,
          maneuver {maneuverStraightAllowed}
        },
        remoteIntersection {
          region 0,
          id 1011
        }
      }
    }
  },
  {
    laneID 8,
    egressApproach 4,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},

```



```

nodeList nodes : {
  {
    delta node-XY4 : {
      x 1214,
      y -1853
    }
  },
  {
    delta node-XY5 : {
      x 4314,
      y -2825
    }
  },
  {
    delta node-XY5 : {
      x 3574,
      y -2328
    }
  },
  {
    delta node-XY5 : {
      x 4648,
      y -3097
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 11,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1011
    }
  }
}
},
{
  laneID 9,
  egressApproach 4,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 1421,
        y -1563
      }
    },
    {
      delta node-XY5 : {
        x 4274,
        y -2853
      }
    },
    {
      delta node-XY5 : {
        x 3568,
        y -2319
      }
    }
  }
}

```

```

    },
    {
      delta node-XY5 : {
        x 4690,
        y -3089
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 12,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1011
      }
    }
  }
},
{
  laneID 12,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1854,
        y -327
      }
    },
    {
      delta node-XY5 : {
        x -6154,
        y 4038
      }
    },
    {
      delta node-XY4 : {
        x -2600,
        y 1646
      }
    },
    {
      delta node-XY5 : {
        x -5076,
        y 3075
      }
    },
    {
      delta node-XY4 : {
        x -3049,
        y 1991
      }
    }
  }
},
  connectsTo {
    {
      connectingLane {

```

```

        lane 7,
        maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
},
{
    connectingLane {
        lane 11,
        maneuver {maneuverRightAllowed}
    },
    signalGroup 2
}
}
},
{
    laneID 13,
    ingressApproach 7,
    laneAttributes {
        directionalUse {ingressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x -1871,
                y 172
            }
        },
        {
            delta node-XY5 : {
                x -5884,
                y 3842
            }
        },
        {
            delta node-XY4 : {
                x -2567,
                y 1637
            }
        },
        {
            delta node-XY5 : {
                x -5126,
                y 3062
            }
        },
        {
            delta node-XY4 : {
                x -3153,
                y 2048
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 8,
                maneuver {maneuverStraightAllowed}
            },
            signalGroup 2
        }
    }
},
{

```

```

laneID 14,
ingressApproach 7,
laneAttributes {
  directionalUse {ingressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x -1855,
      y 544
    }
  },
  {
    delta node-XY5 : {
      x -5781,
      y 3796
    }
  },
  {
    delta node-XY4 : {
      x -2462,
      y 1589
    }
  },
  {
    delta node-XY5 : {
      x -5073,
      y 3065
    }
  },
  {
    delta node-XY4 : {
      x -3180,
      y 2026
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 9,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  }
}
},
{
  laneID 15,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -1879,
        y 973
      },
      attributes {

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```

        dWidth -30
    }
},
{
    delta node-XY4 : {
        x -1727,
        y 1137
    }
},
{
    delta node-XY3 : {
        x -1223,
        y 756
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 2,
            maneuver {maneuverLeftAllowed}
        },
        signalGroup 5
    },
    {
        connectingLane {
            lane 18,
            maneuver {maneuverUTurnAllowed}
        },
        signalGroup 5
    }
}
},
{
    laneID 16,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -1227,
                y 2105
            }
        },
        {
            delta node-XY5 : {
                x -5420,
                y 3516
            }
        },
        {
            delta node-XY4 : {
                x -2409,
                y 1568
            }
        },
        {
            delta node-XY5 : {
                x -4646,
                y 2763
            }
        }
    }
}

```

```

    },
    {
      delta node-XY5 : {
        x -3912,
        y 2586
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 3,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1009
      }
    }
  }
},
{
  laneID 17,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -1475,
        y 1781
      }
    },
    {
      delta node-XY5 : {
        x -5376,
        y 3534
      }
    },
    {
      delta node-XY4 : {
        x -2443,
        y 1575
      }
    },
    {
      delta node-XY5 : {
        x -4623,
        y 2753
      }
    },
    {
      delta node-XY5 : {
        x -3912,
        y 2555
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 4,

```

```

        maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
        region 0,
        id 1009
    }
}
},
{
    laneID 18,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -1657,
                y 1506
            }
        },
        {
            delta node-XY5 : {
                x -5412,
                y 3496
            }
        },
        {
            delta node-XY4 : {
                x -2468,
                y 1572
            }
        },
        {
            delta node-XY5 : {
                x -4576,
                y 2752
            }
        },
        {
            delta node-XY5 : {
                x -3880,
                y 2561
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 5,
                maneuver {maneuverStraightAllowed}
            },
            remoteIntersection {
                region 0,
                id 1009
            }
        }
    }
}
},
{

```

```

id {
  region 0,
  id 1010
},
revision 2,
refPoint {
  lat 374191687,
  long -1221345486,
  elevation 100
},
laneWidth 330,
laneSet {
  {
    laneID 19,
    ingressApproach 9,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x -374,
          y 2354
        }
      },
      {
        delta node-XY3 : {
          x 1113,
          y -734
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 20,
          maneuver {maneuverRightAllowed}
        },
        signalGroup 6
      },
      {
        connectingLane {
          lane 22,
          maneuver {maneuverLeftAllowed}
        },
        signalGroup 6
      }
    }
  },
  {
    laneID 20,
    ingressApproach 10,
    laneAttributes {
      directionalUse {ingressPath, egressPath},
      sharedWith {},
      laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 2461,
          y 272
        }
      },

```



```

    {
      delta node-XY3 : {
        x -973,
        y -1565
      }
    },
    {
      delta node-XY3 : {
        x -967,
        y -1285
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 21,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 4
    },
    {
      connectingLane {
        lane 19,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 4
    }
  }
},
{
  laneID 21,
  ingressApproach 11,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 521,
        y -2578
      }
    },
    {
      delta node-XY3 : {
        x -1805,
        y 857
      }
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 22,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 2
  },
  {
    connectingLane {
      lane 20,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 2
  }
}

```

