

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

MapData payload size 828

```
payload=00128338280A3011000003F200A5F94FA3913EC8988832015E152C01140000039000D709FC3284050288BC772
CD7A1293DB7749772EDB44BF3B7B82484A0002242E00011220400083004440000040001AA777E8020281445E3B6E6BE
894B05C7C4BB3F6B8260A3BC316019A00000148004BC92BCBC30281461D05133FC4A0C7AEB470132864F4052044000C
910800062C04340000020000978546FA0605028C3A0A267769730F6D089B264B89F70244600018B014D000000800025
DE119B618140A30E82899C2A6323DD02148990CA8040912800062C06340000014000576CA5D40605028C39EC1E8CD24
83C71A80C52122000290B400011C07420000020000973EF3C40605028C3A0A2624AA8712DB85AFC98FAA84E110A8008
00001F98E042100000100004BA5F230C30281461D05130DA53DC96FB2DD04C8A13E70885C00400000FCC70250800000
800025D6353CA18140A30E828985929B64B7C16F1264A49F784432002000007E65814A800000720012DDE66CB0C0A05
117C1433B40F248A9C1EDE5689B5C02248140001A41C8000D224800063016C400000400012DB0E7B20C0A05117C1433
FF8D748AAA9E5E568315C142C0C740000029000D4184D7218140A30E82883FB5F8C32EC59B886165806320BDF1C520F
0000490B200022C0D740000020000D416315818140A30E82884825E0432FCD99485FD57EC31D7E000121100004581CE
8000040001A830688030281461D051096BBB506662B1A90C2FAFE46394BF50242600008B03DD000000500015A2A679
A18140A30E7B06941A3888CE6BD052048000A912100051C10820000020000D6B35C1C8605028C3A0A215A96DE0CD2F6
2021BB5565910B8A8682207001000003F11C11820000020000D6A3DB7A8605028C3A0A216016E70CCEB62721BE35609
10B8A7EC2209001000003F11C12820000020000D6987AF10605028C3A0A215B96D40CCB962421C41560110D8A804220
B001000003F12413960008300002DD15932047B058B2A4429142000E48B20007120A530004180005799D888023D8243
31E3121C97D8A4548003122680018482B6C0010600005C824BDC08F6083CED64522C400149144000A2416C600083000
0A85F0F9411EC1BF5B1822B71C891489900062455000300
```

gov.usdot.asnl.generated.j2735.ds.src.MessageFrame

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 10,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1010
        },
        revision 0,
        refPoint {
          lat 374191687,
          long -1221345486,
          elevation 100
        },
        laneWidth 350,
        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
                },
                attributes {
                  data {
                    speedLimits : {
                      {
                        type vehicleMaxSpeed,
                        speed 559
                      }
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```

    }
  }
},
{
  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
  },
  attributes {
    data {
      speedLimits : {
        {
          type vehicleMaxSpeed,
          speed 559
        }
      }
    }
  },
  {
    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 3,
  ingressApproach 3,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 2341,
        y -209
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      },
      dWidth 10
    }
  }
}

```

```

    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    },
    {
      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
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            },
            dWidth 10
        }
},
{
    delta node-XY5 : {
        x 4997,
        y -3303
    }
},
{
    delta node-XY4 : {
        x 2976,
        y -1966
    }
},

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```

    {
      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 {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth -20
      }
    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    },
    {
      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 10,
  ingressApproach 5,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverLeftAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {

```

```

    x -269,
    y -2357
  },
  attributes {
    data {
      speedLimits : {
        {
          type vehicleMaxSpeed,
          speed 559
        }
      }
    },
    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 {
      data {
        speedLimits : {
          {
            type vehicleMaxSpeed,
            speed 559
          }
        }
      },
      dWidth 10
    }
  },
  {
    delta node-XY4 : {
      x -2049,
      y -3235
    }
  },
  {
    delta node-XY5 : {
      x -2731,
      y -4305
    }
  },
  {
    delta node-XY6 : {
      x -6095,
      y -9196
    }
  }
},
{
  laneID 12,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
    maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1854,
        y -327
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    }
  }
}

```

```

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

```

```

    },
    dWidth 10
  }
},
{
  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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        }
      },
      dWidth 10
    }
  },

```

```

    {
      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 {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth -20
      }
    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    },
    {
      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
      },
      attributes {
        data {
          speedLimits : {
            {
              type vehicleMaxSpeed,
              speed 782
            }
          }
        },
        dWidth 10
      }
    },
    {
      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
            },
            attributes {
                data {
                    speedLimits : {
                        {
                            type vehicleMaxSpeed,
                            speed 782
                        }
                    }
                }
            },
            dWidth 10
        }
    },
    {
        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
        }
    }
}
},
{
    laneID 19,
    ingressApproach 9,
    laneAttributes {
        directionalUse {ingressPath, egressPath},
        sharedWith {},
        laneType crosswalk : {hasPushToWalkButton, audioSupport}
    },
    nodeList nodes : {
        {
            delta node-XY4 : {
                x -374,
                y 2354
            },
            attributes {
                dWidth -20
            }
        },
        {
            delta node-XY3 : {
                x 1113,
                y -734
            }
        }
    }
},
connectsTo {
    {
        connectingLane {
            lane 20,
            maneuver {maneuverRightAllowed}
        },
        signalGroup 14
    },
    {
        connectingLane {
            lane 22,
            maneuver {maneuverLeftAllowed}
        },
        signalGroup 14
    }
}
},
{

```

```

laneID 20,
ingressApproach 10,
laneAttributes {
  directionalUse {ingressPath, egressPath},
  sharedWith {},
  laneType crosswalk : {hasPushToWalkButton, audioSupport}
},
nodeList nodes : {
  {
    delta node-XY4 : {
      x 2461,
      y 272
    },
    attributes {
      dWidth -20
    }
  },
  {
    delta node-XY3 : {
      x -973,
      y -1565
    }
  },
  {
    delta node-XY3 : {
      x -967,
      y -1285
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 21,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 12
  },
  {
    connectingLane {
      lane 19,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 12
  }
},
{
  laneID 21,
  ingressApproach 11,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 521,
        y -2578
      },
      attributes {
        dWidth -20
      }
    },
    {

```

```

    delta node-XY3 : {
      x -1805,
      y 857
    }
  },
connectsTo {
  {
    connectingLane {
      lane 22,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 10
  },
  {
    connectingLane {
      lane 20,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 10
  }
},
{
  laneID 22,
  ingressApproach 12,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1668,
        y -1051
      },
      attributes {
        dWidth -20
      }
    },
    {
      delta node-XY4 : {
        x -42,
        y 2241
      }
    },
    {
      delta node-XY3 : {
        x 881,
        y 1161
      }
    }
  },
connectsTo {
  {
    connectingLane {
      lane 19,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 12
  },
  {
    connectingLane {
      lane 21,
      maneuver {maneuverLeftAllowed}
    }
  }
}

```

```
    },  
    signalGroup 12  
  }  
}  
}  
}  
}  
}  
}
```