

Intersection: Serra St/Park Blvd at El Camino Real, Palo Alto, California

MapData payload size 878

```
payload=0012836A28093119000003EC00A5FA2307913D77BE084B015E0288BC18B0045000000240011D976CC62EDDB92
1E1428500913200042C0214000003000087778A8C12EC49DA09CF15A483ECD613C52148000890E80004180322000002
0000C78759FE0BA8EDC0781CA0B137D0B06897A44EE45816A80000012000A8CC0738120A19E5179620B34DD04841000
216062A00000100018A1FC33E0482867A55FC8D12CC4D11A9AF58875DBBC425F0063238C72863C98F38CE1AFE210733
2C083194D845D2A2623053AA2199E72F0240E00010B0355000000400015099A268241421B34F211B7AEB02455000106
03988000008000C5A091B3409190869D36067FF58408BE1580452ADD621347FC192D639031E1C76C66A87F50D01EE42
1A09D96E22F54B8113619C90E2E3DC8C800001F60152FD1183C89EBBDF042580B401461C1A58086800000520010BF7D
CDC7A1D2AA12B7F4E7C9A831166290320006489C000316029A000001000042E9B65C1EA74A4A4AC5D3D526A78468824
5200018B018D0000008000216CAAC38F5804E3256AA9E3934D0240C122B0000C580E680000028000AB1C92DC11E21EB
489703CAC9B5852142000290E400011C08420000020000850BE3D03D7C921C95EC26084CE3CA7D0886C00400000FB47
02508000008000214BF95F92B0B51A895BEA7844CF309D50887400400000FB4702908000008000215531BA12B2951F4
95B6A7A24CECC9BD0887C00400000FB4B03DD000000A40021A06A4E84468AF922B1685020114D8B10C52110000490E2
00022C107400000200008430F5FA4455AFE42B14C5028114C1B1681213000045822E8000004000108BBAE24887760E0
56275A062229A36130242A00008B049D00000050001521560D023C4342461D46898BE40A40D0001522A2000A3827040
0000400010A59B89C8751658E560D7A23C19A934221104800800001F58E0A410000010000427B8D9821E83913958242
89B066E8D0104416002000007D6382B040000040001099FF3E087EAE2AE56035A2C119B2F4661106800800001F59100
0003EC04A5FA2307913D77BE084B014A032416960008300000E9BB71D168A1270A45C800192328000C482F4C0010600
011E7C62D6348F2D4C461C8D029164000448C10002120C5B0004180000487224834F45E70522E80004919200022419C
60008300008CC430C01DED66442F07B3B148B100022461000100
```

gov.usdot.asnl.generated.j2735.dssrc.MessageFrame

```
value MessageFrame ::= {
  messageId 18,
  value MapData : {
    msgIssueRevision 9,
    layerType intersectionData,
    intersections {
      {
        id {
          region 0,
          id 1004
        },
        revision 0,
        refPoint {
          lat 374299919,
          long -1221517955,
          elevation 150
        },
        laneWidth 350,
        speedLimits {
          {
            type vehicleMaxSpeed,
            speed 559
          }
        },
        laneSet {
          {
            laneID 1,
            ingressApproach 1,
            laneAttributes {
              directionalUse {ingressPath},
              sharedWith {},
              laneType vehicle : {}
            },
            maneuvers {maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
              {
                delta node-XY4 : {
                  x 1629,
                  y 1635
                }
              }
            },
          }
        }
      }
    }
  }
}
```

```

    {
      delta node-XY3 : {
        x 1757,
        y 914
      }
    },
    {
      delta node-XY4 : {
        x 2128,
        y 1064
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 19,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 4
    }
  }
},
{
  laneID 2,
  ingressApproach 1,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverLeftAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 1912,
        y 1304
      }
    },
    {
      delta node-XY5 : {
        x 3780,
        y 1896
      }
    },
    {
      delta node-XY5 : {
        x 6626,
        y 3364
      }
    },
    {
      delta node-XY4 : {
        x 3482,
        y 2127
      }
    }
  }
},
  connectsTo {
    {
      connectingLane {
        lane 10,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 4
    },
  },

```

```

    {
      connectingLane {
        lane 14,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 4
    }
  },
  {
    laneID 3,
    egressApproach 2,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY4 : {
          x 2165,
          y 1020
        }
      },
      {
        delta node-XY3 : {
          x 1699,
          y 880
        }
      },
      {
        delta node-XY4 : {
          x 2076,
          y 1046
        }
      },
      {
        delta node-XY5 : {
          x 6096,
          y 3098
        }
      },
      {
        delta node-XY5 : {
          x 3912,
          y 1906
        }
      }
    }
  },
  {
    laneID 11,
    ingressApproach 5,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverRightAllowed, maneuverRightTurnOnRedAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1232,
          y -1586
        }
      },

```

```

    attributes {
      dWidth 10
    }
  },
  {
    delta node-XY4 : {
      x -2156,
      y -1077
    }
  },
  {
    delta node-XY3 : {
      x -1869,
      y -803
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 8,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 12,
  ingressApproach 5,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1540,
        y -1218
      },
      attributes {
        dWidth 10
      }
    },
    {
      delta node-XY4 : {
        x -2139,
        y -1031
      }
    },
    {
      delta node-XY4 : {
        x -1898,
        y -947
      }
    },
    {
      delta node-XY3 : {
        x -1197,
        y -533
      }
    },
    {
      delta node-XY3 : {

```

```

        x -1577,
        y -273
    }
},
{
    delta node-XY3 : {
        x -1745,
        y 3
    }
},
{
    delta node-XY4 : {
        x -2959,
        y 458
    }
},
{
    delta node-XY4 : {
        x -3127,
        y 487
    }
},
{
    delta node-XY4 : {
        x -2291,
        y -30
    }
},
{
    delta node-XY3 : {
        x -1818,
        y -424
    }
},
{
    delta node-XY3 : {
        x -1850,
        y -714
    }
},
{
    delta node-XY3 : {
        x -1303,
        y -749
    }
},
{
    delta node-XY3 : {
        x -1275,
        y -1110
    }
},
{
    delta node-XY5 : {
        x -4913,
        y -4514
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 3,
            maneuver {maneuverStraightAllowed}
        },
        signalGroup 4
    }
}

```

```

    }
  },
  {
    laneID 13,
    ingressApproach 5,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverLeftAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x -1741,
          y -947
        },
        attributes {
          dWidth 10
        }
      },
      {
        delta node-XY3 : {
          x -1613,
          y -782
        }
      },
      {
        delta node-XY3 : {
          x -1169,
          y -554
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 21,
          maneuver {maneuverLeftAllowed}
        },
        signalGroup 4
      }
    }
  },
  {
    laneID 14,
    egressApproach 6,
    laneAttributes {
      directionalUse {egressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY4 : {
          x -2012,
          y -614
        },
        attributes {
          dWidth 50
        }
      },
      {
        delta node-XY3 : {

```

```
    x -1625,  
    y -808  
  },  
{  
  delta node-XY4 : {  
    x -2049,  
    y -1272  
  }  
},  
{  
  delta node-XY3 : {  
    x -1288,  
    y -672  
  }  
},  
{  
  delta node-XY3 : {  
    x -1387,  
    y -277  
  }  
},  
{  
  delta node-XY3 : {  
    x -1740,  
    y -4  
  }  
},  
{  
  delta node-XY4 : {  
    x -2891,  
    y 456  
  }  
},  
{  
  delta node-XY4 : {  
    x -3133,  
    y 475  
  }  
},  
{  
  delta node-XY4 : {  
    x -2392,  
    y -22  
  }  
},  
{  
  delta node-XY4 : {  
    x -2033,  
    y -446  
  }  
},  
{  
  delta node-XY4 : {  
    x -2009,  
    y -841  
  }  
},  
{  
  delta node-XY3 : {  
    x -1291,  
    y -840  
  }  
},  
{  
  delta node-XY3 : {
```

```
        x -1428,
        y -1223
    },
    {
        delta node-XY5 : {
            x -4562,
            y -4238
        }
    }
}
},
{
    id {
        region 0,
        id 1004
    },
    revision 1,
    refPoint {
        lat 374299919,
        long -1221517955,
        elevation 150
    },
    laneWidth 360,
    speedLimits {
        {
            type vehicleMaxSpeed,
            speed 782
        }
    },
    laneSet {
        {
            laneID 4,
            ingressApproach 3,
            laneAttributes {
                directionalUse {ingressPath},
                sharedWith {},
                laneType vehicle : {}
            },
            maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
                maneuverRightTurnOnRedAllowed},
            nodeList nodes : {
                {
                    delta node-XY3 : {
                        x 2015,
                        y -201
                    }
                },
                {
                    delta node-XY4 : {
                        x 2589,
                        y -2732
                    }
                },
                {
                    delta node-XY5 : {
                        x 2943,
                        y -3169
                    }
                },
                {
                    delta node-XY5 : {
                        x 5382,
                        y -5965
                    }
                }
            }
        }
    }
}
```



```

    }
  },
  connectsTo {
    {
      connectingLane {
        lane 3,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 6
    },
    {
      connectingLane {
        lane 19,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 6
    }
  },
  {
    laneID 5,
    ingressApproach 3,
    laneAttributes {
      directionalUse {ingressPath},
      sharedWith {},
      laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
      {
        delta node-XY3 : {
          x 1691,
          y -420
        }
      },
      {
        delta node-XY4 : {
          x 2717,
          y -2779
        }
      },
      {
        delta node-XY5 : {
          x 2839,
          y -3115
        }
      },
      {
        delta node-XY5 : {
          x 5436,
          y -5935
        }
      }
    },
    connectsTo {
      {
        connectingLane {
          lane 20,
          maneuver {maneuverStraightAllowed}
        },
        signalGroup 6
      }
    }
  },
  {

```

```

laneID 6,
ingressApproach 3,
laneAttributes {
  directionalUse {ingressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x 1429,
      y -633
    }
  },
  {
    delta node-XY4 : {
      x 2752,
      y -2845
    }
  },
  {
    delta node-XY5 : {
      x 2901,
      y -3129
    }
  },
  {
    delta node-XY5 : {
      x 5328,
      y -5885
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 21,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 6
  }
}
},
{
laneID 7,
ingressApproach 3,
laneAttributes {
  directionalUse {ingressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x 1138,
      y -841
    },
    attributes {
      dWidth -30
    }
  },
  {
    delta node-XY4 : {
      x 2770,

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        y -2888
    }
},
{
    delta node-XY4 : {
        x 2393,
        y -2346
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 10,
            maneuver {maneuverUTurnAllowed}
        },
        signalGroup 1
    },
    {
        connectingLane {
            lane 14,
            maneuver {maneuverLeftAllowed}
        },
        signalGroup 1
    }
}
},
{
    laneID 8,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 95,
                y -1560
            }
        },
        {
            delta node-XY4 : {
                x 2809,
                y -2937
            }
        },
        {
            delta node-XY5 : {
                x 3032,
                y -3324
            }
        },
        {
            delta node-XY5 : {
                x 5007,
                y -5507
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 13,

```

```

        maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
        region 0,
        id 1005
    }
}
},
{
    laneID 9,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 383,
                y -1345
            }
        },
        {
            delta node-XY5 : {
                x 2827,
                y -2966
            }
        },
        {
            delta node-XY5 : {
                x 2941,
                y -3134
            }
        },
        {
            delta node-XY5 : {
                x 5068,
                y -5675
            }
        }
    },
    connectsTo {
        {
            connectingLane {
                lane 14,
                maneuver {maneuverStraightAllowed}
            },
            remoteIntersection {
                region 0,
                id 1005
            }
        }
    }
},
{
    laneID 10,
    egressApproach 4,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},

```

```

nodeList nodes : {
  {
    delta node-XY3 : {
      x 678,
      y -1164
    }
  },
  {
    delta node-XY5 : {
      x 2857,
      y -2947
    }
  },
  {
    delta node-XY5 : {
      x 2925,
      y -3119
    }
  },
  {
    delta node-XY5 : {
      x 5043,
      y -5699
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 15,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1005
    }
  }
}
},
{
  laneID 15,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed, maneuverRightAllowed,
  maneuverRightTurnOnRedAllowed},
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -2022,
        y 628
      }
    },
    {
      delta node-XY5 : {
        x -3678,
        y 3986
      }
    },
    {
      delta node-XY6 : {
        x -7472,
        y 8256
      }
    }
  }
}
}

```

```

    }
  },
  {
    delta node-XY5 : {
      x -2856,
      y 3139
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 8,
      maneuver {maneuverStraightAllowed}
    },
    signalGroup 2
  },
  {
    connectingLane {
      lane 14,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 2
  }
}
},
{
  laneID 16,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1657,
        y 765
      }
    },
    {
      delta node-XY5 : {
        x -3754,
        y 4068
      }
    },
    {
      delta node-XY6 : {
        x -7528,
        y 8272
      }
    },
    {
      delta node-XY5 : {
        x -2879,
        y 3162
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 9,
        maneuver {maneuverStraightAllowed}
      }
    }
  }
}

```

```

    },
    signalGroup 2
  }
},
{
  laneID 17,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -1298,
        y 905
      }
    },
    {
      delta node-XY5 : {
        x -3858,
        y 4208
      }
    },
    {
      delta node-XY6 : {
        x -7563,
        y 8290
      }
    },
    {
      delta node-XY5 : {
        x -2863,
        y 3110
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 10,
        maneuver {maneuverStraightAllowed}
      },
      signalGroup 2
    }
  }
},
{
  laneID 18,
  ingressApproach 7,
  laneAttributes {
    directionalUse {ingressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverLeftAllowed, maneuverUTurnAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -982,
        y 1050
      },
      attributes {

```

```

        dWidth -30
    }
},
{
    delta node-XY4 : {
        x -1976,
        y 2165
    }
},
{
    delta node-XY4 : {
        x -1896,
        y 1992
    }
}
},
connectsTo {
    {
        connectingLane {
            lane 3,
            maneuver {maneuverLeftAllowed}
        },
        signalGroup 5
    },
    {
        connectingLane {
            lane 21,
            maneuver {maneuverUTurnAllowed}
        },
        signalGroup 5
    }
}
},
{
    laneID 19,
    egressApproach 8,
    laneAttributes {
        directionalUse {egressPath},
        sharedWith {},
        laneType vehicle : {}
    },
    maneuvers {maneuverStraightAllowed},
    nodeList nodes : {
        {
            delta node-XY3 : {
                x 358,
                y 1575
            }
        },
        {
            delta node-XY5 : {
                x -4446,
                y 4807
            }
        },
        {
            delta node-XY6 : {
                x -7977,
                y 8764
            }
        },
        {
            delta node-XY4 : {
                x -2396,
                y 2577
            }
        }
    }
}

```



```

    }
  },
  connectsTo {
    {
      connectingLane {
        lane 4,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1003
      }
    }
  }
},
{
  laneID 20,
  egressApproach 8,
  laneAttributes {
    directionalUse {egressPath},
    sharedWith {},
    laneType vehicle : {}
  },
  maneuvers {maneuverStraightAllowed},
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -72,
        y 1432
      }
    },
    {
      delta node-XY5 : {
        x -4287,
        y 4647
      }
    },
    {
      delta node-XY6 : {
        x -8048,
        y 8812
      }
    },
    {
      delta node-XY4 : {
        x -2328,
        y 2562
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 5,
        maneuver {maneuverStraightAllowed}
      },
      remoteIntersection {
        region 0,
        id 1003
      }
    }
  }
},
{
  laneID 21,
  egressApproach 8,

```

```

laneAttributes {
  directionalUse {egressPath},
  sharedWith {},
  laneType vehicle : {}
},
maneuvers {maneuverStraightAllowed},
nodeList nodes : {
  {
    delta node-XY3 : {
      x -385,
      y 1272
    }
  },
  {
    delta node-XY5 : {
      x -4139,
      y 4439
    }
  },
  {
    delta node-XY6 : {
      x -8139,
      y 8897
    }
  },
  {
    delta node-XY4 : {
      x -2357,
      y 2611
    }
  }
},
connectsTo {
  {
    connectingLane {
      lane 6,
      maneuver {maneuverStraightAllowed}
    },
    remoteIntersection {
      region 0,
      id 1003
    }
  }
}
},
{
  id {
    region 0,
    id 1004
  },
  revision 2,
  refPoint {
    lat 374299919,
    long -1221517955,
    elevation 150
  },
  laneWidth 330,
  laneSet {
    {
      laneID 22,
      ingressApproach 9,
      laneAttributes {
        directionalUse {ingressPath, egressPath},
        sharedWith {},

```

```

    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 1245,
        y 1821
      }
    },
    {
      delta node-XY3 : {
        x 1300,
        y -1458
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 23,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 6
    },
    {
      connectingLane {
        lane 25,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 6
    }
  }
},
{
  laneID 23,
  ingressApproach 10,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x 2545,
        y 363
      }
    },
    {
      delta node-XY4 : {
        x -1762,
        y -1197
      }
    },
    {
      delta node-XY3 : {
        x -1266,
        y -920
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 22,
        maneuver {maneuverLeftAllowed}
      }
    }
  }
}

```

```

    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 24,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  }
}
},
{
  laneID 24,
  ingressApproach 11,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY3 : {
        x -967,
        y -1756
      }
    },
    {
      delta node-XY4 : {
        x -1560,
        y 1948
      }
    }
  },
  connectsTo {
    {
      connectingLane {
        lane 23,
        maneuver {maneuverLeftAllowed}
      },
      signalGroup 2
    },
    {
      connectingLane {
        lane 25,
        maneuver {maneuverRightAllowed}
      },
      signalGroup 2
    }
  }
},
{
  laneID 25,
  ingressApproach 12,
  laneAttributes {
    directionalUse {ingressPath, egressPath},
    sharedWith {},
    laneType crosswalk : {hasPushToWalkButton, audioSupport}
  },
  nodeList nodes : {
    {
      delta node-XY4 : {
        x -2527,
        y 192
      }
    },
  },

```

```
{
  delta node-XY4 : {
    x 1973,
    y 802
  }
},
{
  delta node-XY3 : {
    x 1799,
    y 827
  }
}
},
connectsTo {
  {
    connectingLane {
      lane 22,
      maneuver {maneuverRightAllowed}
    },
    signalGroup 4
  },
  {
    connectingLane {
      lane 24,
      maneuver {maneuverLeftAllowed}
    },
    signalGroup 4
  }
}
}
}
}
}
}
```