

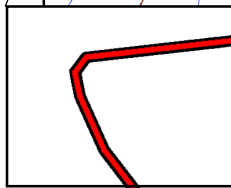
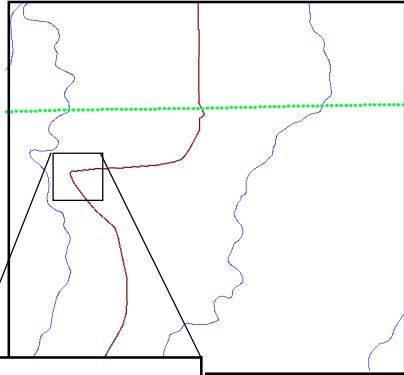
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## Lines: Highways

*Query generates red highway lines with black borders.*

```
# CartoScript : Highway, line style two lines over-  
# lapping thinner red over thicker black with  
# intersections cleaned by shortening the black
```

```
rdshoulder = 1 # edit these values to  
rdwidth = 4 # change thicknesses  
if (rdshoulder !=0) {  
  totalwidth = rdwidth + 2* rdshoulder  
  halfrd = totalwidth /2  
  LineStyleSetColor (0,0,0)  
  # begin drawing half a rd in  
  LineStyleRoll(halfrd)  
  # end half a rd before  
  nearend = LineStyleGetDistance(3) - halfrd  
  # draw black line  
  LineStyleRollPen(nearend)  
}  
#now draw red line over  
LineStyleSetColor(255,0,0)  
LineStyleSetLineWidth(rdwidth)  
LineStyleDrawLine()
```



**Variation:** change thickness. color of rdwidth, rdshoulders

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## Lines: Even Dashes

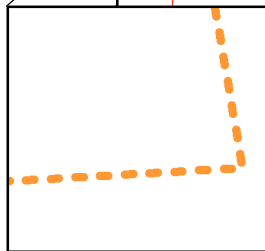
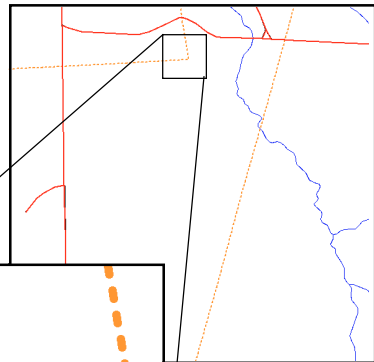
*Query generates equal spaced orange dashed line.*

```
# CartoScript : Even Dashes  
# use alternating roll and roll pen functions  
# over the same dash distance
```

```
dash = 8
```

```
LineStyleSetColor(255,128,0) #orange  
LineStyleSetLineWidth(8,0)
```

```
While (LineStyleRoll(dash)!=1){  
  LineStyleRollPen(dash)  
}
```



**Variation:** change dash length