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How we created the 1934 major roads map

1. Georeference 1934 traffic density/major roads map to best of ability
   1. The map to which I georeferenced is /href/brooks/data/maps/los\_angeles/major\_roads/20101206\_la\_cnty\_major\_roads\_parc\_prj.shp
   2. The map that was georeferenced on top is /href/brooks/data/zoning/streetcar\_stops/major\_roads\_and\_nonstr\_transit\_maps/ucla\_map\_library/2012-08-09\_1934\_traffic\_survey\_whole\_map.jpg
   3. The file for the georeferenced map is /href/brooks/data/zoning/streetcar\_stops/major\_roads\_and\_nonstr\_transit\_maps/ucla\_map\_library/georeferenced/2012 2012-08-09\_1934\_traffic\_survey\_whole\_map\_georef.jpg
2. Divide into 3 regions to be mapped by Gage Love(left), Jeff Groesbeck(right), and Jessica Zehel (center).
3. Add 1920s topographic maps on top of traffic map
   1. Topographic maps found in href/brooks/data/zoning/streetcar\_stops/georeferenced\_1920s\_topographic\_maps
4. Add 2000 census major road map on top of these
   1. /href/brooks/data/maps/los\_angeles/major\_roads/20101206\_la\_cnt\_maj\_rds\_parc\_prj.shp
5. Trace all major roads on 1934 map by either exporting roads from the 2000 census map that still existed from 1934 or by drawing them with the draw tool. Use topographic maps to determine most accurate road placement, we think there are more precise than the 1934 traffic density map.
   1. Create new layer of exported/drawn roads. To do this, choose a well-aligned road from the 2000 census major roads file to export to a new layer. (Right click layer, data, export). This creates the new layer to which new roads will be exported/drawn.
   2. Edit this new layer via editor toolbar. May copy and paste features from major roads file to the editor layer for roads that have not relocated between 1934 and 2000.
   3. For roads not well aligned with or present among 2000 census major roads, draw roads via create new feature tool. Use 1934 map to determine which roads are “major”, use relevant topographic map to determine accurate placement of these roads.
6. Fill in additional columns in the layer attribute table. These columns are:
   1. Author – either BGL, JG, or JZ, depending on who added that attribute
   2. Drawn – takes the value of 0 if the road was exported from the 2000 census map, takes the value of 1 if drawn by hand
   3. Exist\_1925 – we created this column as a record of which roads existed in 1925. This was determined by adding another layer: a map of the LA metro area in 1925 which is located at /href/brooks/data/zoning/streetcar\_stops/major\_roads\_and\_nonstr\_transit\_maps/aaa\_socal\_archives/20120917\_1925\_LA\_METRO\_PART\_A.jpg and /href/brooks/data/zoning/streetcar\_stops/major\_roads\_and\_nonstr\_transit\_maps/aaa\_socal\_archives/20120917\_1925\_LA\_METRO\_PART\_B.jpg. There are also georeferenced versions of these maps in the “georeferenced” subfolder of “aaa\_socal\_archives”. If the road was present in 1925, this column should take the value of 1. Else, 0. It doesn’t appear that Jeff G completed very much of this column…I would check it. Also, Jeff coded this column opposite Jessica and Gage (0 means DID exist in 1925, 1 means DID NOT exist.) For this reason, the column exist2 was created. If the author is JZ or BGL, exist2=exist\_1925. If author = JG, exist2 = 1 when exist\_1925 = 0 and exist2 = 0 when exist\_1925 = 1.
   4. Traf\_den – This column takes values in [1,35] and is determined by the line thickness of the roads on the 1934 traffic density map. This column was not completed in the interest of time.
   5. Done – This indicates whether JZ believes the feature to have all of it’s attributes filled in. If the traffic density isn’t filled in, it takes value 0. Else, 1. Gage and Jeff did not use this column.
   6. Unsure – means the placement/existence/traffic density of this road wasn’t clear from all of the different maps. This is used very infrequently.