To: Angelo Logan; I-710 Corridor Project Committee

From: Justin Scoggins; Program for Environmental and Regional Equity

RE: Socioeconomic characteristics of residents near the I-710 Corridor

Date: September 27, 2012

We have completed our analysis of the requested socioeconomic characteristics of residents living near the I-710 Corridor. The results are included below, and have been provided to you in other formats. We find that residents living with various distance bands of the I-710 Corridor (within 500ft, 1,000ft, and 2,000ft, respectively) are far more likely to residents of color (that is, not non-Hispanic white) when compared the general population of Los Angeles County, California, or the U.S. This disparity is driven by the Latino share of the population, which is about 92 percent within each of the distance bands – nearly double the share for Los Angeles County and more than five time the share for the U.S. overall. We also find higher poverty rates, lower per capita income, and (to a lesser extent) greater lack of access to vehicles for workers ages 16 and older who reside within the aforementioned distance bands of the I-710 Corridor.
## Demographic comparison of neighborhoods near the 710 Freeway to Los Angeles County, California and the United States (2010)

### Table

<table>
<thead>
<tr>
<th>Neighbors by Distance from 710 Freeway</th>
<th>Los Angeles County</th>
<th>California</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total population</td>
<td>9,650</td>
<td>37,253,956</td>
<td>308,745,538</td>
</tr>
<tr>
<td>&lt;500 ft</td>
<td>25,898</td>
<td>81,065</td>
<td></td>
</tr>
<tr>
<td>&lt;1,000 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;2,000 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Race/ethnicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>non-Hispanic white</td>
<td>3%</td>
<td>28%</td>
<td>64%</td>
</tr>
<tr>
<td>non-Hispanic Black</td>
<td>3%</td>
<td>8%</td>
<td>12%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>92%</td>
<td>48%</td>
<td>16%</td>
</tr>
<tr>
<td>non-Hispanic Asian or Pacific Islander</td>
<td>1%</td>
<td>14%</td>
<td>5%</td>
</tr>
<tr>
<td>non-Hispanic all other</td>
<td>1%</td>
<td>2%</td>
<td>3%</td>
</tr>
<tr>
<td>Age composition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under 5 years</td>
<td>9%</td>
<td>7%</td>
<td>7%</td>
</tr>
<tr>
<td>5 to 17 years</td>
<td>24%</td>
<td>18%</td>
<td>17%</td>
</tr>
<tr>
<td>18 to 64 years</td>
<td>59%</td>
<td>65%</td>
<td>64%</td>
</tr>
<tr>
<td>Over 64 years</td>
<td>7%</td>
<td>11%</td>
<td>13%</td>
</tr>
<tr>
<td>Income, poverty and car access (2010 5-Year ACS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poverty rate</td>
<td>21%</td>
<td>16%</td>
<td>14%</td>
</tr>
<tr>
<td>Per capita income ($2010)</td>
<td>$13,494</td>
<td>$27,344</td>
<td>$27,334</td>
</tr>
<tr>
<td>No vehicles available (share of workers ages 16+)</td>
<td>7.4%</td>
<td>4.8%</td>
<td>4.3%</td>
</tr>
</tbody>
</table>

### Notes
- Data for neighborhoods by distance from the 710 Freeway are based on census blocks for which the Internal Point (based on Internal Point Latitude and Internal Point Longitude) fell within the indicated distances of the 710 Freeway (see map).
- Data on income, poverty, and access to vehicles is not available at the census block level, and was estimated for neighborhoods by distance from the 710 Freeway by taking weighted averages of these measures across all census block groups (in the case of income and poverty) and census tracts (in the case of vehicles available) with any block-level population falling inside the various distance bands, using available block-level population information to appropriately down-weight block groups and tracts for which the block-level population did not fall entirely within the distance bands.

### Census Blocks within 500, 1000 and 2000 Feet of the Long Beach Freeway

Source: Program for Environmental and Regional Equity (PERE) Analysis of data from the 2010 Census (SF1) and the 2010 5-Year American Community Survey (ACS).
Percentage of People of Color by Census Block, Los Angeles County, Census 2010

Per Capita Income by Census Block Group, Los Angeles County, ACS 2006-2010
CURRICULUM VITAE

Justin Scoggins

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Education

1998-2002:   BA, Economics, University of California, Santa Cruz
2001-2003:   MS, Applied Economics and Finance, University of California, Santa Cruz

Job Skills

Computer knowledge:
• Proficiency in SAS, SPSS, STATA, SpaceStat, GEODA, ArcView GIS, ArcMap, MS Excel, MS Powerpoint, Adobe Illustrator and Adobe In-Design
• Significant econometric and spatial econometric knowledge and experience
• Extensive experience working with large datasets and spatial, geo-coded Datasets
• Substantial GIS experience and knowledge
• Good verbal/written communication skills including technical documentation
• Excellent Internet research skills

Experience

Data Manager
University of Southern California
2011 to present
• Manage and maintain large datasets, and guide on quantitative analyses conducted by Data Analysts on a variety of projects of the Program for Environmental and Regional Equity (PERE) and the Center for the Study of Immigrant Integration (CSII).
• Assist director in developing research objectives
• Identify data sources and develop research methodologies
• Development methodology for quantitative analyses
• Contribute to the writing of research reports and documentation
• Preparation and delivery of presentations to various audiences
• Assist with the preparation of grant reports and proposals

Data Analyst
University of Southern California
2008 to 2010
• Data analytic and GIS support for the Program for Environmental and Regional Equity (PERE), and Center for the Study of Immigrant Integration (CSII)
• Development methodology for quantitative analyses
• Contribute to the writing of research reports and documentation
• Preparation and delivery of presentations to various audiences
• Assist with the preparation of grant reports and proposals

Data analysis consultant
Cabrillo Community College
2007
• Provided preparation and analysis of publicly available community college data and census data for all community colleges in the US to develop a roll-out strategy for the Digital Bridge Academy program. Produced a Powerpoint presentation including maps, graphs and charts describing the strategy. Completed documentation of the methods used and data sources.

Assistant Specialist, Research Series
University of California, Santa Cruz
2004 to 2007
• Processing and analysis of the data on air pollution (e.g. 1999 National Air Toxics Assessment (NATA) and the 2003 Toxic Release Inventory (TRI)
• Preparation and delivery of presentations to on our environmental justice and other research
• Developed a methodology for various quantitative analyses.
• Supervised two undergraduate students in working on some of the above research Projects

Junior Specialist, Research Series
University of California, Santa Cruz
2003
• As primary researcher, completed programming of and documentation for a small area income forecasting module created for the Southern California Association of Governments (SCAG) that predicts median household income, income distributions and several other income measures at the Census tract level, and lead instructional sessions with SCAG staff on how to use it.

Graduate Student Researcher
University of California, Santa Cruz
2002
• Assisted with regression analysis for research projects in the areas of labor market intermediaries and small area income forecasting.

Publications

Journal articles


Research reports


Pastor, M., Scoggins, J. Immigrant Labor and the American Recovery: A Brief Memo. USC’s Center for the Study of Immigrant Integration.


Pastor, M., Morello-Frosch, R., Sadd, J., Scoggins, J. (2010). Minding the Climate Gap: What’s at Stake if California’s Climate Law is Done Right and Right Away. USC Program for Environmental and Regional Equity.


Pastor, M., Morello-Frosch, R., Sadd, J., Scoggins, J. (2009). Emitting on the Dock of the Bay: Air Toxics and Environmental Inequality in the San Francisco Metropolitan Area.


Book chapters