
APPENDIX D11

Vehicle Miles Traveled (VMT) Assessment

March 29, 2024

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**Subject: Calle Real Campus Master Plan Vehicle Miles Traveled (VMT) Analysis,
County of Santa Barbara, CA**

Dear Ms. Lindsay:

A. Introduction

RK ENGINEERING GROUP, INC. (RK) is pleased to provide this Vehicle Miles Traveled (VMT) Analysis for the proposed Calle Real Campus Master Plan (CRCMP) project, hereinafter referred to as "project".

This analysis has been conducted pursuant to the *County of Santa Barbara Planning and Development Environmental Thresholds and Guidelines Manual, January 2021* (hereinafter referred to as Environmental Thresholds and Guidelines).

B. Project Description

The County of Santa Barbara is preparing a master plan for its Calle Real campus in an unincorporated area of Santa Barbara County located just west of the City of Santa Barbara and approximately five miles northwest of downtown Santa Barbara. Fourteen County departments currently use the campus, broadly categorized into public health, public safety, and public works uses.

A total of 103 buildings/structures are present on the campus comprising 791,700 square feet of building area on a footprint of approximately 14.9 acres. The Master Plan calls for demolishing some buildings and renovating others, in addition to new construction of approximately 540,000 square feet of total building area. The Master Plan includes relocation of some County functions from their downtown Santa Barbara campus to the

Calle Real campus. The Master Plan provides a framework for development at Calle Real over the next twenty years.

The proposed Master Plan divides the project site into five sections, from north to south:

- Public Safety Campus (53.9 acres),
- County Yards Campus (140.8 acres),
- Jail and Governmental Center Campus (43.6 acres),
- Health Campus (23.2 acres), and
- Community Services Campus (61.5 acres).

A location map of the proposed project site is shown on Exhibit A. The proposed project site plan is provided on Exhibit B.

Calle Real Building Area Summary

Table 1 summarizes existing conditions and the proposed Calle Real Master Plan building area at buildout.

Table 1
Calle Real Master Plan Summary¹

Description		Gross Square Feet
Existing County Buildings		791,700
Demolition		306,300
Remaining After Demolition:	Renovate	229,000
	Remain	256,400
	Subtotal	485,400
Proposed New Buildings		538,800
Total Building Area at Buildout		1,024,200
Net Change		+232,500

¹ Source: Calle Real Campus Master Plan Initial Study, November 2023.

County of Santa Barbara Materials Processing & Sorting (MPS) Facility Expansion

In addition to the proposed building area identified above, a 4.2-acre portion of the Public Safety Campus, referred to as the Materials Sorting and Processing (MPS) site, has been used by the County for debris and sediment management during emergency operations since 2018. The MPS site is located west of the existing developed portion of the Public Safety campus. An expansion of the MPS is proposed to improve materials transit and expand the area for emergency sediment processing. The expansion would involve enlarging the existing footprint, decommissioning one of the access roads, fill, grading and compaction to provide a larger sorting area. It is RK's understanding the MPS expansion would not add any new full-time employees and the current workload and staff of 2 to 5 employees is expected to be maintained.

County of Santa Barbara Housing Element Update

The Santa Barbara County Draft Housing Element for the 2023-2031 planning period identifies seven sites within the Calle Real campus for housing development within the 2023-2031 period. Four of the sites are within the Community Services Campus and three are within the Health and Government Center Campus. The maximum number of potential dwelling units within the six sites is 259 dwelling units, as shown below in Table 2. It should be noted that the thirty-six dwelling units at the Hollister Lofts site are currently underway as a separate project. As such, this study analyzes 223 dwelling units as part of the Project.

Table 2
Housing Sites Within Calle Real Campus

	Potential Dwelling Units	Density	Acres
Community Services Campus			
Juvenile Hall	75	30-40	unknown
Food Bank	14	40-50	0.67
Between Page and Fire Station	18	40-50	0.72
Hollister Lofts	36	20-30	0.57
Subtotal	143	Not applicable	1.96 + unknown
Health and Government Center Campus			
Archives Parking lot	59	40-50	1.49
Children and Family Services	18	40—50	0.47
Above Be Well Building Parking	39	40-50	0.98
Subtotal	116	Not applicable	2.94
Total	259	Not applicable	4.90 + unknown

Source: Calle Real Campus Master Plan Initial Study, November 2023.

C. Project VMT Screening

The County of Santa Barbara Environmental Thresholds and Guidelines establish screening criteria to help identify whether a project would be expected to have a less than significant impact without the need to conduct a detailed VMT analysis.

Table 3 summarizes the VMT screening criteria for land use projects and the results of the VMT screening for the project.

Table 3
VMT Screening Criteria and Results¹

Screening Category	Project Requirements	Result
Small Projects	A project that generates 110 or fewer average daily trips.	Not Satisfied
Locally Serving Retail	A project that has locally serving retail uses that are 50,000 square feet or less, such as specialty retail, shopping center, grocery/food store, bank/financial facilities, fitness center, restaurant, or café. If a project also contains a non-locally serving retail use(s), that use(s) must meet other applicable screening criteria.	Not Satisfied
Projects Located in a VMT Efficient Area	A residential or office project that is located in an area that is already 15 percent below the county VMT (i.e., "VMT efficient area"). The County's Project-Level VMT Calculator determines whether a proposed residential or office project is located within a VMT efficient area.	Not Satisfied
Projects near Major Transit Stop	A project that is located within a ½ mile of a major transit stop or within a ½ mile of a bus stop on a high-quality transit corridor (HQTC). A major transit stop is a rail station or a bus stop with two or more intersecting bus routes with service frequency of 15 minutes or less during peak commute periods. A HQTC is a corridor with fixed route bus service with frequency of 15 minutes or less during peak commute periods.	Not Satisfied
Affordable Housing	A residential project that provides 100 percent affordable housing units (units set aside for very low income and low-income households); if part of a larger development, only those units that meet the definition of affordable housing satisfy the screening criteria.	Partially Satisfied ²

¹ Source: Santa Barbara County Environmental Thresholds and Guidelines Manual, January 2021. Page 174.

² The Project does include affordable housing. However, to provide a thorough analysis and support the findings that the housing sites have a less than significant impact on VMT, a full model run inclusive of the housing sites has been performed.

As shown in Table 3, the proposed project does not meet the screening criteria necessary for presuming a less than significant impact under CEQA. Therefore, a full VMT analysis has been performed for the proposed project.

D. VMT Analysis Methodology¹

In accordance with the County of Santa Barbara Environmental Thresholds and Guidelines, the Santa Barbara County Association of Governments' (SBCAG) Regional Travel Demand Model (RTDM) has been used to quantify and evaluate potential VMT impacts. RK worked with Mr. Andrew Orfilia at SBCAG to obtain a copy of the latest RTDM.

The RTDM (TransCAD Version 9.0) is a four-step travel demand model that performs the following classical modeling steps:

1. Trip generation (number of trips),
2. Trip distribution (where those trips go),
3. Mode choice (how the trips are divided among the available modes of travel), and
4. Trip assignment (route trips will take).

Each trip forecasted in the RTDM has a purpose, type, origin, and destination. The RTDM estimates and forecasts travel by traffic analysis zones (TAZs) for a 24-hour period on a typical weekday.

The County recommends the origin-destination (OD) methodology to estimate VMT for defined geographic areas, such as the unincorporated county or a specific project site. The SBCAG RTDM estimates OD VMT by tracking all vehicles traveling to and from a defined geographic area and calculating the number of trips and length of those trips to estimate VMT.

E. VMT Thresholds of Significance

The County of Santa Barbara Environmental Thresholds and Guidelines establishes thresholds of significance for land use plans. The County thresholds are consistent with the

¹ Source: Santa Barbara County Environmental Thresholds and Guidelines Manual. January 2021. Thresholds of Significance for Transportation Impacts.

State of California Governor's Office of Planning and Research Technical Advisory on Evaluating Transportation Impacts in CEQA, December 2018 (OPR Technical Advisory).

Table 4 shows the County of Santa Barbara VMT threshold of significance for land use plans.

Table 4
VMT Threshold of Significance for Project Impacts Criteria¹

Project Type	Threshold for Determination of Significant VMT Impacts^{2, 3}
Land Use Plans	The plan's generated total VMT per service population exceeds a level of 15 percent below existing total VMT per service population for the geographic area ² .

¹ Source: Santa Barbara County Environmental Thresholds and Guidelines Manual, January 2021. Page 179.

² Projects that are under the County's efficiency-based impact thresholds are shown to align with long-term environmental goals to reduce VMT. As a result, a finding of a less-than-significant project impact would imply a less than significant cumulative impact, and vice versa.

³ Total VMT per Service Population includes VMT generated by all land uses within the unincorporated County geographic area divided by the total number of residents and total number of employees in the geographic area. VMT per service population reflects all vehicle-trips (passenger and commercial vehicles) assigned on the roadway network.

Per the recommendations of the *Transportation Analysis Updates in Santa Barbara County*, prepared by the County of Santa Barbara Planning and Development Department, dated July 2020, the geographic region analyzed is the unincorporated areas of the County of Santa Barbara. The Environmental Thresholds and Guidelines refer to VMT for the unincorporated areas of Santa Barbara County as "County VMT," which reflects all vehicle-trips that start and/or end in the unincorporated areas of Santa Barbara County.

Model Year 2020 and Future Model Year 2050 from the SBCAG RTDM were interpolated to quantify the threshold of significance for Baseline Year 2023 conditions, as shown in Table 5.

Table 5
VMT Threshold of Significance for Project Impacts^{1,2}

Analysis Scenario	Socio-Economic Data			VMT Metrics	
	Population	Employment	Total Service Population ³	Total VMT	Total VMT per Service Population
Model Year 2020	143,000	49,540	192,540	7,614,702	39.5
Future Model Year 2050	152,900	60,150	213,050	9,279,804.46	43.6
Baseline Year 2023 ⁴	143,990	50,601	194,591	7,781,211.92	40.0
15% Reduction in Baseline Year 2023 VMT per Service Population					-6.0
VMT Threshold of Significance					34.0

¹ Source: SBCAG RTDM

² The County's VMT metrics use the unincorporated areas of the county (entire Santa Barbara County, excluding incorporated cities) as the geographic boundary for estimating VMT.

³ Service population = Population + Employment

⁴ Baseline Year 2023 was developed by interpolating between the Model Year 2020 and Future Model Year 2050.

Additionally, the County of Santa Barbara Environmental Thresholds and Guidelines also require land use plans to review potential changes in total VMT when assessing cumulative impacts. Because land use plans could change travel patterns in the region, an efficiency-based threshold of significance (i.e., total VMT per service population) may not fully capture such changes. Therefore, land use plans are subject to an absolute threshold of significance (i.e., total VMT), which considers the net increase in total VMT as part of the cumulative impact analysis. This requirement provides a more detailed analysis of all travel in the plan area and region.

As such, the Project's contribution to VMT would be cumulatively considerable if the study area's total VMT were higher in the future with the project in place.

F. Socio-Economic Data Modifications

Under existing conditions, the project site is located within six (6) different TAZs. However, the existing zonal structure and centroid connectors are designed in such a way that it does not accurately reflect how the project loads onto the network. Therefore, as part of the modeling process, the project SED was condensed into three (3) TAZs. The existing Calle Real Campus SED located outside of the 3 project TAZs was reallocated to the project TAZs to ensure it was not double counted. No network changes were made to the model.

Land use changes were made by modifying the Socio-Economic Data (SED) in the Traffic Analysis Zones (TAZs) in which the project is located.

The three (3) project TAZs analyzed in this study include the following:

- TAZ 10054
- TAZ 20103
- TAZ 20106

A copy of the SBCAG RTDM TAZ Map with project boundaries is illustrated on Exhibit C.

Employment growth was estimated using Model Year 2050 employment data from the project's TAZs and the employment density estimates from the U.S. Energy Information Administration (EIA)².

Table 6 summarizes the increase in workers due to the project implementations and the workers transferred from the Downtown Santa Barbara County Departments.

Table 6
Calle Real Campus Master Plan Worker Estimates Summary

Campus	Net Square Footage	Increase of Workers Due to Project Implementation¹	Workers Transferred from Downtown Santa Barbara County Depts.
Public Safety Campus	14,018	30	0
County Yards Campus	34,691	47	25
Health & Government Center Campus	186,135	345	225
Jail Campus	19,993	35	0
Community Services Campus	-22,300	-24	0
Total	232,537	433	250

¹ Workers were estimated utilizing employment rates from the US Energy Information Administration (EIA).

² U.S. Energy Information Administration (EIA). Commercial Buildings Energy Consumption Survey. 2018. <https://www.eia.gov/consumption/commercial/data/2018/>. Website accessed October 2023.

As shown in Table 6, the total amount of new employment added to the project TAZs is approximately 433 workers and were primarily added to the “Service Employment” sector, which is consistent with the existing Calle Real employment statistics in the project TAZs under baseline conditions. As also shown in Table 6, 250 workers were reallocated from Downtown Santa Barbara into the County Yards Campus and the Health & Government Center Campus.

Residential growth was estimated using the Model Year 2050 population and households data from the Project’s TAZs and a 2.79 population per household rate per the US Census Bureau 2022 American Community Survey for Eastern Goleta Valley.

Table 7 summarizes the increase in residents due to the proposed housing sites per the 2023-2031 Housing Element Update.

Table 7
Calle Real Campus Master Plan Resident Estimates Summary

Campus	Project Name	Proposed DUs	Estimated Residents¹
Community Services Campus	County Juvenile Hall	75	210
	Food Bank	14	39
	Site between Page & Fire	18	50
Community Services Campus Sub-Total		107	299
Health & Government Center Campus	Archives Parking Lot	59	165
	Child Family Services Parking Lot	18	50
	Above Behavioral Wellness Park	39	109
Health & Government Center Campus Sub-Total		116	324
Total		223	623

¹ Residents were estimated utilizing a 2.79 population per household rate per the US Census Bureau 2022 American Community Survey.

As shown in Table 7, the total population increase due to the project is estimated to be 623 residents.

A detailed list of all SED changes to the SBCAG RTDM are provided in Appendix A.

G. VTM Analysis for Project Impacts

As previously discussed in Section E, the land use plan would result in a significant project impact if the plan's generated total VMT per service population exceeds a level of 15 percent below existing total VMT per service population for the geographic area.

To estimate the project's total VMT per service population, a modified future year (2050) SBCAG RTDM run was conducted utilizing TransCAD 9.0. The total OD VMT for each project zone was calculated and divided by the service population of all three zones.

Table 8 summarizes the results of the VMT analysis for Project Impacts.

Table 8
VTM Analysis for Project Impacts

Scenario	Project TAZs ^{2,3}	Socio-Economic Data			VTM Metrics	
		Population	Employment	Total Service Population	Total Project VMT	Total VTM per Service Population
Future Year 2050 With CRCMP Projects	TAZ 10054, TAZ 20103, & TAZ 20106	2,516	1,692	4,208	137,550	32.7
County of Santa Barbara Project VTM Threshold of Significance						34.0
Significant Impact?						No

¹ See Appendix A for SED modifications made to the RTDM to account for the project.

² The project is nested within three (3) TAZs:

³ See Exhibit C for a TAZ map showing the project boundaries.

As shown in Table 8 above, the total future VMT per service population for the project TAZs is 32.7 VMT per service population, which is less than the threshold of significance of 34.0 VMT per service population.

As a result, the project impact is less than significant.

H. VTM Analysis for Cumulative Impacts

As previously discussed in Section E, a land use plan would result in a significant cumulative impact if there is a net increase in total VMT between the "No-Project" and "With Project" scenarios in the geographic area (i.e., unincorporated County of Santa Barbara, excluding incorporated Cities).

To estimate the total VMT, a modified future year (2050) SBCAG RTDM run was conducted utilizing TransCAD 9.0. The total OD VMT for the geographic area was calculated and utilized for this analysis.

Table 9 summarizes the results of the VMT analysis for Cumulative Impacts.

Table 9
Cumulative VMT Analysis

Geographic Area	Analysis Scenario	Total VMT ¹
Unincorporated County of Santa Barbara	Future Year 2050 No-Project	9,279,804
	Future Year 2050 With CRCMP Projects	9,225,702
% Difference		-0.58%
Significant Cumulative Impact?		No

As shown in Table 9, the implementation of the Calle Real Master Plan is expected to **decrease** the Total VMT within the unincorporated County of Santa Barbara by 0.58%. The reduction in total VMT may be attributed to the higher land use densities and additional employment and residential uses within proximity to each other, which leads to shorter vehicle trips on average.³

As such, the cumulative impact is less than significant.

I. Conclusion

RK has completed this VMT analysis for the proposed Calle Real Campus Master Plan Project. The VMT analysis has been conducted pursuant to the *County of Santa Barbara Planning and Development Environmental Thresholds and Guidelines Manual, January 2021*.

Based on the results of the analysis, the project generated VMT per service population in the geographic area is below the applicable threshold of significance for land use plans. **As a result, the project impact is less than significant, and no mitigation is required.**

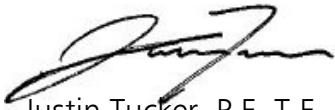
³ National Academies of Sciences, Engineering, and Medicine. 2009. Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO2 Emissions -- Special Report 298. Washington, DC: The National Academies Press. <https://doi.org/10.17226/12747>.

Furthermore, the total VMT in the geographic area is below the applicable threshold of significance for land use plans. **As such, the cumulative impact is less than significant, and no mitigation is required.**

RK ENGINEERING GROUP, INC. (RK) appreciates this opportunity to work with ULTRASYSTEMS ENVIRONMENTAL on this project. If you have any questions regarding this study, please do not hesitate to contact us at (949) 474-0809.

Respectfully Submitted,

RK ENGINEERING GROUP, INC.


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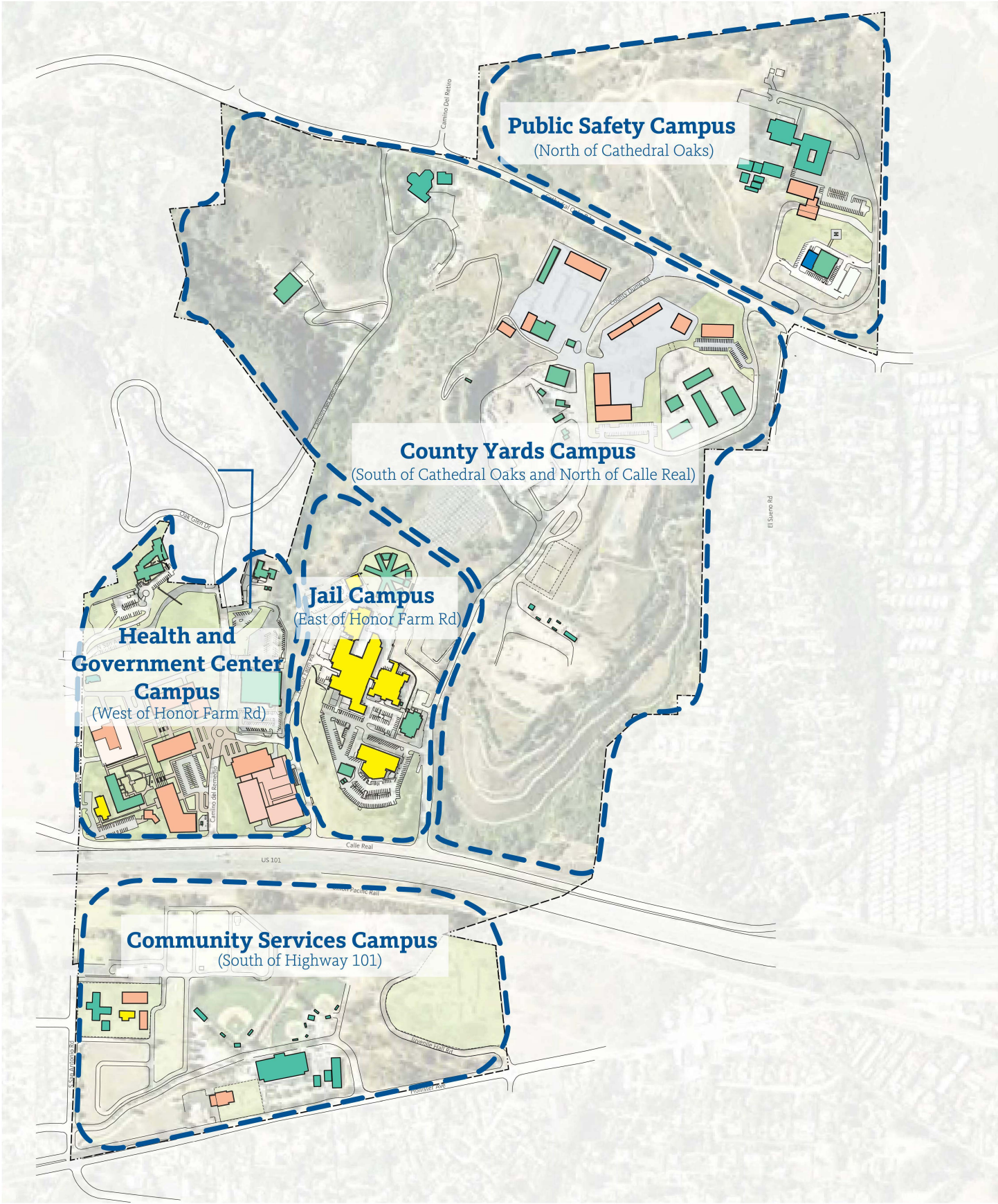
Exhibits



Legend:

--- = Study Area Boundary





Source: Gensler, 2022



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Appendices

Appendix A

SBCAG RTDM SED Modifications

Socio-Economic Data Modifications
TAZ 10048

Socio-Economic Data Category	Units ¹	SBCAG Model Year 2050	Reallocation of Existing CRCMP Projects to TAZ 10054 ²	Future Year 2050 No-Project Conditions
Population	Person	459	0	459
Households	DU	127	0	127
Households With People Under 18 Years of Age	DU	42	0	42
Households With No People Under 18 Years of Age	DU	85	0	85
Households With People 65 Years of Age or Older	DU	41	0	41
Households With No People 65 Years of Age or Older	DU	86	0	86
1 Person Households	DU	25	0	25
2 Person Households	DU	33	0	33
3 Person Households	DU	17	0	17
4+ Person Households	DU	52	0	52
Number of Owner Occupied Households	DU	28	0	28
Number of Renter Occupied Households	DU	99	0	99
Households in Income Category 1 (<\$15k)	DU	17	0	17
Households in Income Category 2 (\$15-\$25k)	DU	21	0	21
Households in Income Category 3 (\$25-\$50k)	DU	20	0	20
Households in Income Category 4 (\$50-\$75k)	DU	30	0	30
Households in Income Category 5 (\$75-\$100k)	DU	23	0	23
Households in Income Category 6 (\$100-\$150k)	DU	9	0	9
Households in Income Category 7 (\$150-\$200k)	DU	6	0	6
Households in Income Category 8 (>\$200k)	DU	0	0	0
Number of Single-Family Households	DU	114	0	114
Number of Multi-Family Households	DU	13	0	13
Agricultural Employment	DU	0	0	0
Commercial Employment	DU	43	0	43
Industrial Employment	Workers	0	0	0
Office Employment	Workers	2	-2	0
Service Employment	Workers	9	-9	0
Total Employment	Workers	53	-11	42
Low Density Residential Dwelling Units	DU	129	0	129
High Density Residential Dwelling Units	DU	15	0	15
Low Density Commercial	TSF	85.192	0.000	85.192
High Density Commercial	TSF	0.000	0.000	0.000
Office	TSF	0.000	0.000	0.000
Industry	TSF	0.000	0.000	0.000
Institutional	TSF	17.257	-7.625	9.632
Average Household Density ³	-- ⁴	1299.8	0.0	1299.8
Average Retail Employment Density ³	-- ⁵	281.7	0	281.7
Average Retail and Service Employment Density ³	-- ⁶	2327.0	0.0	2327.0
Average Total Employment Density ³	-- ⁷	2455.0	0.0	2455.0

¹ DU = Dwelling Units; TSF = Thousand Square Feet

² Employment SED associated with Calle Real were reallocated from TAZ 10048 to TAZ 10054 because TAZ 10048 does not accurately reflect how the project would load onto the network.

³ SBCAG utilizes density to calculate trip generation. Densities were estimated based on the changes in households and/or employment.

⁴ Average households per square mile within 0.5 mile of TAZ centroid.

⁵ Average retail employment per square mile within 0.5 mile of TAZ centroid.

⁶ Average retail and service employment per square mile within 0.5 mile of TAZ centroid.

⁷ Average total employment per square mile within 0.5 mile of TAZ centroid.

Socio-Economic Data Modifications
TAZ 10054

Socio-Economic Data Category	Units ¹	SBCAG Model Year 2050	Reallocation of Existing CRCMP Projects from TAZ 10048 ²	Future Year 2050 No-Project Conditions	Proposed Community Services Campus	Future Year 2050 With Projects Conditions
Population	Person	19	0	19	299	318
Households	DU	5	0	5	107	112
Households With People Under 18 Years of Age	DU	2	0	2	32	34
Households With No People Under 18 Years of Age	DU	3	0	3	75	78
Households With People 65 Years of Age or Older	DU	2	0	2	36	38
Households With No People 65 Years of Age or Older	DU	4	0	4	71	75
1 Person Households	DU	1	0	1	24	25
2 Person Households	DU	1	0	1	37	38
3 Person Households	DU	1	0	1	17	18
4+ Person Households	DU	2	0	2	29	31
Number of Owner Occupied Households	DU	1	0	1	66	67
Number of Renter Occupied Households	DU	4	0	4	41	45
Households in Income Category 1 (<\$15k)	DU	1	0	1	6	7
Households in Income Category 2 (\$15-\$25k)	DU	1	0	1	6	7
Households in Income Category 3 (\$25-\$50k)	DU	1	0	1	11	12
Households in Income Category 4 (\$50-\$75k)	DU	1	0	1	9	10
Households in Income Category 5 (\$75-\$100k)	DU	1	0	1	16	17
Households in Income Category 6 (\$100-\$150k)	DU	0	0	0	22	22
Households in Income Category 7 (\$150-\$200k)	DU	0	0	0	16	16
Households in Income Category 8 (>\$200k)	DU	0	0	0	21	21
Number of Single-Family Households	DU	5	0	5	0	5
Number of Multi-Family Households	DU	0	0	0	107	107
Agricultural Employment	DU	0	0	0	0	0
Commercial Employment	DU	13	0	13	0	13
Industrial Employment	Workers	0	0	0	0	0
Office Employment	Workers	0	+2	2	0	2
Service Employment	Workers	44	+9	53	-24	29
Total Employment	Workers	56	+11	67	-24	43
Low Density Residential Dwelling Units	DU	6	0	6	0	6
High Density Residential Dwelling Units	DU	0	0	0	107	107
Low Density Commercial	TSF	54.947	0.000	54.947	0.000	54.947
High Density Commercial	TSF	0.000	0.000	0.000	0.000	0.000
Office	TSF	0.000	0.000	0.000	0.000	0.000
Industry	TSF	40.195	0.000	40.195	0.000	40.195
Institutional	TSF	98.768	+7.625	106.393	-22.300	84.093
Average Household Density ⁴	-- ⁵	1179.2	0.0	1179.2	135.4	1314.6
Average Retail Employment Density ⁴	-- ⁶	77.1	0.0	77.1	0.0	77.1
Average Retail and Service Employment Density ⁴	-- ⁷	4974.5	0.0	4974.5	-30.4	4944.1
Average Total Employment Density ⁴	-- ⁸	5109.2	0.0	5109.2	-30.4	5078.8

¹ DU = Dwelling Units; TSF = Thousand Square Feet

² Employment SED associated with Calle Real were reallocated from TAZ 10048 to TAZ 10054 because TAZ 10048 does not accurately reflect how the project would load onto the network.

³ SBCAG utilizes density to calculate trip generation. Densities were estimated based on the changes in households and/or employment.

⁴ Average households per square mile within 0.5 mile of TAZ centroid.

⁵ Average retail employment per square mile within 0.5 mile of TAZ centroid.

⁶ Average retail and service employment per square mile within 0.5 mile of TAZ centroid.

⁷ Average total employment per square mile within 0.5 mile of TAZ centroid.

Socio-Economic Data Modifications
TAZ 10071

Socio-Economic Data Category	Units ¹	SBCAG Model Year 2050	Reallocation of Existing CRCMP Projects to TAZ 20106 ²	Future Year 2050 No-Project Conditions
Population	Person	359	0	359
Households	DU	170	0	170
		4	0	4
Households With People Under 18 Years of Age	DU	31	0	31
Households With No People Under 18 Years of Age	DU	140	0	140
Households With People 65 Years of Age or Older	DU	93	0	93
Households With No People 65 Years of Age or Older	DU	78	0	78
1 Person Households	DU	80	0	80
2 Person Households	DU	46	0	46
3 Person Households	DU	19	0	19
4+ Person Households	DU	25	0	25
Number of Owner Occupied Households	DU	136	0	136
Number of Renter Occupied Households	DU	34	0	34
Households in Income Category 1 (<\$15k)	DU	21	0	21
Households in Income Category 2 (\$15-\$25k)	DU	28	0	28
Households in Income Category 3 (\$25-\$50k)	DU	47	0	47
Households in Income Category 4 (\$50-\$75k)	DU	18	0	18
Households in Income Category 5 (\$75-\$100k)	DU	31	0	31
Households in Income Category 6 (\$100-\$150k)	DU	13	0	13
Households in Income Category 7 (\$150-\$200k)	DU	3	0	3
Households in Income Category 8 (>\$200k)	DU	9	0	9
Number of Single-Family Households	DU	115	0	115
Number of Multi-Family Households	DU	56	0	56
Agricultural Employment	DU	7	-7	0
Commercial Employment	DU	2	-2	0
Industrial Employment	Workers	1	-1	0
Office Employment	Workers	0	0	0
Service Employment	Workers	20	-20	0
Total Employment	Workers	30	-30	0
Low Density Residential Dwelling Units	DU	74	0	74
High Density Residential Dwelling Units	DU	34	0	34
Low Density Commercial	TSF	0.000	0.000	0.000
High Density Commercial	TSF	0.000	0.000	0.000
Office	TSF	0.000	0.000	0.000
Industry	TSF	0.000	0.000	0.000
Institutional	TSF	0.000	0.000	0.000
Average Household Density ³	-- ⁴	1473.9	0.0	1473.9
Average Retail Employment Density ³	-- ⁵	101.5	0.0	101.5
Average Retail and Service Employment Density ³	-- ⁶	4917.5	0.0	4917.5
Average Total Employment Density ³	-- ⁷	5043.4	0.0	5043.4

¹ DU = Dwelling Units; TSF = Thousand Square Feet

² Employment SED associated with Calle Real were reallocated from TAZ 10071 to TAZ 20106 because TAZ 10048 does not accurately reflect how the project would load onto the network.

³ SBCAG utilizes density to calculate trip generation. Densities were estimated based on the changes in households and/or employment.

⁴ Average households per square mile within 0.5 mile of TAZ centroid.

⁵ Average retail employment per square mile within 0.5 mile of TAZ centroid.

⁶ Average retail and service employment per square mile within 0.5 mile of TAZ centroid.

⁷ Average total employment per square mile within 0.5 mile of TAZ centroid.

Socio-Economic Data Modifications
TAZ 20103

Socio-Economic Data Category	Units ¹	SBCAG Model Year 2050	Future Year 2050 No-Project Conditions	Proposed Public Safety Campus	Future Year 2050 With Projects Conditions
Population	Person	844	844	0	844
Households	DU	391	391	0	391
Households With People Under 18 Years of Age	DU	98	98	0	98
Households With No People Under 18 Years of Age	DU	292	292	0	292
Households With People 65 Years of Age or Older	DU	211	211	0	211
Households With No People 65 Years of Age or Older	DU	180	180	0	180
1 Person Households	DU	34	34	0	34
2 Person Households	DU	230	230	0	230
3 Person Households	DU	56	56	0	56
4+ Person Households	DU	70	70	0	70
Number of Owner Occupied Households	DU	344	344	0	344
Number of Renter Occupied Households	DU	47	47	0	47
Households in Income Category 1 (<\$15k)	DU	26	26	0	26
Households in Income Category 2 (\$15-\$25k)	DU	0	0	0	0
Households in Income Category 3 (\$25-\$50k)	DU	46	46	0	46
Households in Income Category 4 (\$50-\$75k)	DU	0	0	0	0
Households in Income Category 5 (\$75-\$100k)	DU	31	31	0	31
Households in Income Category 6 (\$100-\$150k)	DU	74	74	0	74
Households in Income Category 7 (\$150-\$200k)	DU	32	32	0	32
Households in Income Category 8 (>\$200k)	DU	183	183	0	183
Number of Single-Family Households	DU	351	351	0	351
Number of Multi-Family Households	DU	40	40	0	40
Agricultural Employment	DU	1	1	0	1
Commercial Employment	DU	2	2	0	2
Industrial Employment	Workers	6	6	0	6
Office Employment	Workers	0	0	0	0
Service Employment	Workers	132	132	30	162
Total Employment	Workers	141	141	30	171
Low Density Residential Dwelling Units	DU	327	327	0	327
High Density Residential Dwelling Units	DU	29	29	0	29
Low Density Commercial	TSF	0.000	0.000	0.000	0.000
High Density Commercial	TSF	0.000	0.000	0.000	0.000
Office	TSF	0.000	0.000	0.000	0.000
Industry	TSF	18.729	18.729	0.000	18.729
Institutional	TSF	431.370	431.370	14.018	445.388
Average Household Density ³	-- ⁴	588.8	588.8	0.0	588.8
Average Retail Employment Density ³	-- ⁵	2.8	2.8	0.0	2.8
Average Retail and Service Employment Density ³	-- ⁶	271.4	271.4	38.0	309.4
Average Total Employment Density ³	-- ⁷	288.6	288.6	38.0	326.6

¹ DU = Dwelling Units; TSF = Thousand Square Feet

² SBCAG utilizes density to calculate trip generation. Densities were estimated based on the changes in households and/or employment.

³ Average households per square mile within 0.5 mile of TAZ centroid.

⁴ Average retail employment per square mile within 0.5 mile of TAZ centroid.

⁵ Average retail and service employment per square mile within 0.5 mile of TAZ centroid.

⁶ Average total employment per square mile within 0.5 mile of TAZ centroid.

**Socio-Economic Data Modifications
TAZ 20104**

Socio-Economic Data Category	Units¹	SBCAG Model Year 2050	Reallocation of Existing CRCMP Projects to TAZ 20106	Future Year 2050 No-Project Conditions
Population	Person	482	0	482
Households	DU	116	0	116
Households With People Under 18 Years of Age	DU	35	0	35
Households With No People Under 18 Years of Age	DU	81	0	81
Households With People 65 Years of Age or Older	DU	37	0	37
Households With No People 65 Years of Age or Older	DU	80	0	80
1 Person Households	DU	33	0	33
2 Person Households	DU	36	0	36
3 Person Households	DU	24	0	24
4+ Person Households	DU	24	0	24
Number of Owner Occupied Households	DU	94	0	94
Number of Renter Occupied Households	DU	22	0	22
Households in Income Category 1 (<\$15k)	DU	8	0	8
Households in Income Category 2 (\$15-\$25k)	DU	23	0	23
Households in Income Category 3 (\$25-\$50k)	DU	11	0	11
Households in Income Category 4 (\$50-\$75k)	DU	8	0	8
Households in Income Category 5 (\$75-\$100k)	DU	7	0	7
Households in Income Category 6 (\$100-\$150k)	DU	21	0	21
Households in Income Category 7 (\$150-\$200k)	DU	33	0	33
Households in Income Category 8 (>\$200k)	DU	6	0	6
Number of Single-Family Households	DU	116	0	116
Number of Multi-Family Households	DU	0	0	0
Agricultural Employment	DU	0	0	0
Commercial Employment	DU	2	-2	0
Industrial Employment	Workers	1	-1	0
Office Employment	Workers	2	-2	0
Service Employment	Workers	68	-68	0
Total Employment	Workers	73	-73	0
Low Density Residential Dwelling Units	DU	235	0	235
High Density Residential Dwelling Units	DU	0	0	0
Low Density Commercial	TSF	0.000	0.000	0.000
High Density Commercial	TSF	0.000	0.000	0.000
Office	TSF	0.000	0.000	0.000
Industry	TSF	140.486	-140.486	0.000
Institutional	TSF	0.000	0.000	0.000
Average Household Density ³	-- ⁴	705.5	0.0	705.5
Average Retail Employment Density ³	-- ⁵	1.3	0.0	1.3
Average Retail and Service Employment Density ³	-- ⁶	2062.9	0.0	2062.9
Average Total Employment Density ³	-- ⁷	2181.3	0.0	2181.3

¹ DU = Dwelling Units; TSF = Thousand Square Feet

² Employment SED associated with Calle Real were reallocated from TAZ 20104 to TAZ 10054 because TAZ 10048 does not accurately reflect how the project would load onto the network.

³ SBCAG utilizes density to calculate trip generation. Densities were estimated based on the changes in households and/or employment.

⁴ Average households per square mile within 0.5 mile of TAZ centroid.

⁵ Average retail employment per square mile within 0.5 mile of TAZ centroid.

⁶ Average retail and service employment per square mile within 0.5 mile of TAZ centroid.

⁷ Average total employment per square mile within 0.5 mile of TAZ centroid.

**Socio-Economic Data Modifications
TAZ 20106**

Socio-Economic Data Category	Units ¹	SBCAG Model Year 2050	Reallocation of Existing CRCMP Projects from TAZ 10071 ²	Reallocation of Existing CRCMP Projects from TAZ 20104 ²	Future Year 2050 No-Project Conditions	Proposed County Yards Campus	Proposed Health and Government Campus	Proposed Jail Campus	Future Year 2050 With Projects Conditions
Population	Person	1030	0	0	1030	0	324	0	1354
Households	DU	231	0	0	231	0	116	0	347
Households With People Under 18 Years of Age	DU	68	0	0	68	0	35	0	103
Households With No People Under 18 Years of Age	DU	162	0	0	162	0	81	0	243
Households With People 65 Years of Age or Older	DU	72	0	0	72	0	38	0	110
Households With No People 65 Years of Age or Older	DU	158	0	0	158	0	78	0	236
1 Person Households	DU	65	0	0	65	0	26	0	91
2 Person Households	DU	72	0	0	72	0	39	0	111
3 Person Households	DU	49	0	0	49	0	19	0	68
4+ Person Households	DU	44	0	0	44	0	32	0	76
Number of Owner Occupied Households	DU	189	0	0	189	0	71	0	260
Number of Renter Occupied Households	DU	41	0	0	41	0	45	0	86
Households in Income Category 1 (<\$15k)	DU	25	0	0	25	0	22	0	47
Households in Income Category 2 (\$15-\$25k)	DU	44	0	0	44	0	21	0	65
Households in Income Category 3 (\$25-\$50k)	DU	20	0	0	20	0	38	0	58
Households in Income Category 4 (\$50-\$75k)	DU	15	0	0	15	0	35	0	50
Households in Income Category 5 (\$75-\$100k)	DU	13	0	0	13	0	0	0	13
Households in Income Category 6 (\$100-\$150k)	DU	40	0	0	40	0	0	0	40
Households in Income Category 7 (\$150-\$200k)	DU	63	0	0	63	0	0	0	63
Households in Income Category 8 (>\$200k)	DU	12	0	0	12	0	0	0	12
Number of Single-Family Households	DU	231	0	0	231	0	0	0	231
Number of Multi-Family Households	DU	0	0	0	0	0	116	0	116
Agricultural Employment	DU	0	7	0	7	0	0	0	7
Commercial Employment	DU	27	2	2	29	0	0	0	29
Industrial Employment	Workers	0	1	1	1	0	0	0	1
Office Employment	Workers	0	0	2	0	0	0	0	0
Service Employment	Workers	745	20	68	765	72	570	35	1442
Total Employment	Workers	771	30	73	801	72	570	35	1478
Low Density Residential Dwelling Units	DU	38	0	0	38	0	0	0	38
High Density Residential Dwelling Units	DU	0	0	0	0	0	116	0	116
Low Density Commercial	TSF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
High Density Commercial	TSF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Office	TSF	0.000	0.000	0.000	0.000	0.000	186.135	0.000	186.135
Industry	TSF	0.000	0.000	140.486	0.000	34.691	0.000	0.000	34.691
Institutional	TSF	0.345	0.000	0.000	0.345	0.000	0.000	19.993	20.338
Average Household Density ³	-- ⁴	776.8	0.0	0.0	776.8	0.0	410.1	0.0	1186.9
Average Retail Employment Density ³	-- ⁵	42.7	0.0	0.0	42.7	0.0	0.0	0.0	42.7
Average Retail and Service Employment Density ³	-- ⁶	2719.0	0.0	0.0	2719.0	74.0	586.1	36.0	3415.1
Average Total Employment Density ³	-- ⁷	2826.2	0.0	0.0	2826.2	74.0	586.1	36.0	3522.3

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⁴ Average households per square mile within 0.5 mile of TAZ centroid.

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⁶ Average retail and service employment per square mile within 0.5 mile of TAZ centroid.

⁷ Average total employment per square mile within 0.5 mile of TAZ centroid.