

July 10, 2019

Tina Wawszkiewicz, P.E. Civil Engineer II City of Dublin 6555 Shier Rings Road Dublin, Ohio 43016

Subject: Oak Park Rezoning-Trip Generation Analysis

Dear Ms. Wawszkiewicz,

This letter serves to document analysis of proposed zoning modifications for Oak Park, a residential development site located in the southwest quadrant of the Hyland-Croy Road/Mitchell-Dewitt Road intersection. Dublin first zoned the site over 10 years ago (referred to herein as the initial zoning). Dublin approved a zoning modification in 2017 and is currently considering another change. This submission documents the difference in vehicle trips generated by the two previously approved plans and the pending plan, and shows that the requested change generates less traffic than prior plans.

Site Description

The two previously approved development plans and the currently pending rezoning request permit the following land uses:

Dublin approved the initial zoning with the following:

- 72 Single-family detached lots
- 36 Townhome lots
- Maximum of 39,700 sf of retail and/or office uses (see attached text)

A 2017 rezoning removed the townhome lots resulting in the following development plan:

- 92 Single-family detached lots
- Maximum of 39,700 sf of retail and/or office uses (see attached text)

The current rezoning request eliminates the commercial uses resulting in the following development plan:

• 104 Single-family detached lots

Volume Development

This submission includes detailed trip generation calculations for the development program represented in each of the three plans. Vehicular trips were determined using the data and methodology contained in the <u>Trip Generation Manual</u> 10th edition (Institute of Transportation Engineers, 2017). Development plans with a commercial component generate pass-by trips and potentially share trips with residential portions of Oak Park. Attached calculations detail those components, showing a negligible impact on the result. Trip generation results summarized below represent the full volume of site trips including pass-by and internal, shared trips.

Trip Generation Comparison

	Total Trip Generation			Change from Initial		
	Enter	Exit	Total	Enter	Exit	Total
Daily (24-hours) Initial Zoning 2017 Zoning 2019 Zoning	2104 2085 539	2104 2085 539	4208 4170 1078	-19 -1565	-19 -1565	-38 -3130
AM Peak Initial Zoning	124 124	121 118	245 242	0	-3	-3
2017 Zoning 2019 Zoning	20	59	79	-104	-62	-166
PM Peak						
Initial Zoning 2017 Zoning 2019 Zoning	194 191 66	179 178 39	373 369 105	-3 -128	-1 -140	-4 -268

On a daily basis, the currently proposed zoning reduces trip generation about 74% compared to the initial zoning. Attachments to this submission provide detailed calculations supporting the values summarized above. Based on the foregoing, the currently pending request to rezone Oak Park (the 2019 zoning) significantly reduces vehicle trips generated by the site compared to previously approved zonings.

Should questions or comments arise during your review of this analysis or if I may be of further assistance in this matter, please feel free to contact me at (614) 775-4640.

Sincerely,

Lawrence C. Creed, Esq., PE

Principal

Director of Traffic Engineering Services

Enclosures: Trip Generation Calculations, Zoning Text

SUBAREA E: NEIGHBORHOOD COMMERCIAL

I. Description:

Subarea E shall be located on the eastern portion of the site and shall allow for neighborhood-scale commercial uses. This subarea shall consist of approximately 8.3 acres.

II. Permitted Uses and Development Standards:

A. Permitted Uses: The following permitted uses shall be allowed in Subarea E, subject to the exclusions set forth in subsection II(B):

- 1. Those uses listed in City of Dublin Zoning Code Section 153.027(A), Neighborhood Commercial District, as that provision exists on the date that the Preliminary Development Plan is approved for this development.
- 2. Those uses listed in City of Dublin Zoning Code Section 153.028(A), Community Commercial District, as that provision exists on the date that the Preliminary Development Plan is approved for this development.
- 3. Dry cleaning and related services; art galleries; wine and other specialty stores (not including liquor stores); convenience stores; and miscellaneous food stores.
- B. Excluded Uses: The following uses shall be excluded from the permitted uses in subsection II(A) above and shall not be permitted in Subarea E:

Motor vehicle dealers
Tire, battery and accessory dealers
Miscellaneous aircraft, marine and automotive dealers
Lumber and other building materials dealers
Heating and plumbing equipment dealers
Electrical supply stores
Farm hardware and equipment stores
Hotels and motels
Rooming and boarding houses
Liquor stores
Funeral service
Sexually oriented business establishments

C. Conditional uses:

The following conditional uses shall be allowed in Subarea E, provided that they are approved in accordance with City of Dublin Code Section 153.236:

- 1. Drive-thru services in association with any permitted use other than restaurant uses in Subarea E
- 2. Outdoor service facilities, including, without limitation, outdoor dining patios
- 3. Auto-oriented commercial facilities

D. Unless otherwise specified in the submitted drawings or in this written text, the development standards of Chapter 153 of the City of Dublin Code shall apply to this subarea. Basic development standards are compiled regarding proposed density, site issues, traffic, circulation, landscaping, and architectural standards. These component standards ensure consistency and quality throughout the development.

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III. Density:

A maximum of thirty-nine thousand seven hundred (39,700) square feet of retail and/or office floor area shall be permitted in the aggregate within Subarea E. Each single retail user within Subarea E pedestrian areas shall be encouraged throughout Subarea E and shall be permitted in addition to the allowable aggregate building area in this subarea. The total square footage allowed for outdoor dining patios in Subarea E shall not exceed fifteen percent (15%) of the total allowable aggregate building area for structures in this subarea.

IV. <u>Height:</u>

The maximum height of all primary buildings in this subarea shall be forty (40) feet as measured per the City of Dublin Code. The towers and entry features that are parts of primary buildings, as indicated on the elevation in Exhibit N-2 attached to this text, shall have a maximum height of fifty-eight (58) feet.

V. <u>Parking, Loading, and Stacking:</u>

- A. Unless otherwise stated herein or otherwise depicted on the Preliminary Development Plan, all parking and loading shall be regulated by Dublin Code Section 153.200 et seq.
- B. Parking shall be provided in Subarea E at the minimum rate of four and one-half (4.5) parking spaces per one thousand (1,000) square feet of gross floor area. Regardless of parcel lines, phasing, and/or sequencing of building construction, Subarea E is intended to operate functionally as a single commercial area. Therefore, the parking ratio set forth herein shall apply in the aggregate to Subarea E and nothing herein shall prohibit any single phase of development or individual parcel from deviating from this requirement. All parking spaces shall be available for use by all buildings (via cross easements, if necessary) within the subarea. Parallel, head-in, and angled parking spaces shall be permitted in this subarea as indicated on the Final Development Plan. In order to promote the ideal of a pedestrian-friendly neighborhood, patrons of the users in Subarea E shall be encouraged to park the required number of spaces in Subarea E.
- C. Head-in parking spaces in this subarea shall have a minimum dimension of nine (9) feet by eighteen (18) feet. Parallel parking spaces shall have a minimum dimension of nine (9) feet by twenty-two (22) feet as shown on the detail in the Preliminary Development Plan.
- D. Any drive thru that is approved in accordance with this text shall provide stacking at the following rates per drive thru lane: Pharmacy 6; All Other per Code.
- E. Required loading spaces shall be provided to the rear of buildings in Subarea E. Additional spaces may be provided along Oak Park Boulevard and/or Village Drive North/South that serve the dual purpose of providing both patron parking and loading spaces, provided that the developer restricts the use of these spaces for loading purposes only during specified times. At the time of Final Development Plan, the developer shall provide details on these restrictions.

Scenario - 1	
Scenario Name: Original Development Plan	User Group:
Dev. phase: 1	Horizon Year: 2019
Analyst Note:	
Warning: The time periods among the land	uses do not appear to match.

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV	Size	Time Period	Method	Entry	Exit	Total
Land Ose & Data Source	LUCATION	IV	3126	Time Period	Rate/Equation	Split%	Split%	IULai
210 - Single-Family Detached Housing	General	Dwelling Units	72	Weekday	Best Fit (LOG)	384	384	768
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Utilts	72	Weekuay	Ln(T) =0.92Ln(X) + 2.71	50%	50%	708
210(1) - Single-Family Detached Housing	General	Dwelling Units	72	Weekday, Peak Hour of	Best Fit (LIN)	14	42	56
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Units	72	Adjacent Street Traffic,	T = 0.71(X) + 4.80	25%	75%	30
210(2) - Single-Family Detached Housing	General	Dwelling Units	72	Weekday, Peak Hour of	Best Fit (LOG)	47	27	74
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Units	/2	Adjacent Street Traffic,	Ln(T) =0.96Ln(X) + 0.20	63%	37%	74
220 - Multifamily Housing (Low-Rise)	General	Dwelling Units	36	Weekday	Best Fit (LIN)	116	116	232
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dweiling Units	36	weekuay	T = 7.56(X) + -40.86	50%	50%	232
220(1) - Multifamily Housing (Low-Rise)	General	Dwelling Units	36	Weekday, Peak Hour	Best Fit (LOG)	4	14	18
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Units	30	of Adjacent Street	Ln(T) =0.95Ln(X) + -0.51	23%	77%	10
220(2) - Multifamily Housing (Low-Rise)	General	Dwelling Units	36	Weekday, Peak Hour of	Best Fit (LOG)	15	9	24
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Utilts	30	Adjacent Street Traffic,	Ln(T) =0.89Ln(X) + -0.02	63%	37%	24
820 - Shopping Center	General	1000 Sg. Ft. GLA	39.7	Weekday	Best Fit (LOG)	1604	1604	2200
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	1000 3q. Ft. GLA	39.7	Weekuay	Ln(T) =0.68Ln(X) + 5.57	50%	50%	3208
820(1) - Shopping Center	General	1000 Sg. Ft. GLA	39.7	Weekday, Peak Hour of	Best Fit (LIN)	106	65	171
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	1000 3q. Ft. GLA	39.7	Adjacent Street Traffic,	T = 0.50(X) + 151.78	62%	38%	171
820(2) - Shopping Center	General	1000 Ca Et CLA	39.7	Weekday, Peak Hour of	Best Fit (LOG)	132	143	275
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	1000 Sq. Ft. GLA	59.7	Adjacent Street Traffic,	Ln(T) =0.74Ln(X) + 2.89	48%	52%	2/5

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
Lanu Ose	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
210 - Single-Family Detached Housing	100	100	1	1	50	50
210(1) - Single-Family Detached Housing	100	100	1	1	25	75
210(2) - Single-Family Detached Housing	100	100	1	1	63	37
220 - Multifamily Housing (Low-Rise)	100	100	1	1	50	50
220(1) - Multifamily Housing (Low-Rise)	100	100	1	1	23	77
220(2) - Multifamily Housing (Low-Rise)	100	100	1	1	63	37
820 - Shopping Center	100	100	1	1	50	50
820(1) - Shopping Center	100	100	1	1	62	38
820(2) - Shopping Center	100	100	1	1	48	52

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Trips by Vehicle		Person Trips by Other Modes		Total Baseline Site Person Trips	
Land OSE	Entry	Exit	Entry	Exit	Entry	Exit
210 - Single-Family Detached Housing	384	384	0	0	384	384
210 - Single-raininy betached riousing	768		0		768	
210(1) - Single-Family Detached Housing	14	42	0	0	14	42
210(1) - Single-Family Detactied Housing	56		0		56	
210(2) - Single-Family Detached Housing	47	27	0	0	47	27
210(2) - Single-rannily Detactied Housing		74	0		74	

220 - Multifamily Housing (Low-Rise)	116	116	0	0	116	116
220 - Multifallilly Housing (Low-Rise)	232		0		232	
220(1) - Multifamily Housing (Low-Rise)	4	14	0	0	4	14
220(1) - Walthamily Housing (Low-Rise)		18	0		1	8
220(2) - Multifamily Housing (Low-Rise)	15	9	0	0	15	9
220(2) - Wulthamily Housing (Low-Rise)	24		0		24	
820 - Shopping Center	1604	1604	0	0	1604	1604
lozo - Shopping Center	3:	208	0		3208	
820(1) - Shopping Center	106	65	0	0	106	65
azo(1) - Shopping Center	1	.71	0		171	
820(2) - Shopping Center	132	143	0	0	132	143
ozo(z) - Shopping Center	2	75	0		2	75

INTERNAL VEHICLE TRIP REDUCTION

LAND USE GROUP ASSIGNMENT:

EARD OSE GROOT ASSIGNMENT.	
Land Use	Land Use Group
210 - Single-Family Detached Housing	Residential
210(1) - Single-Family Detached Housing	Residential
210(2) - Single-Family Detached Housing	Residential
220 - Multifamily Housing (Low-Rise)	Residential
220(1) - Multifamily Housing (Low-Rise)	Residential
220(2) - Multifamily Housing (Low-Rise)	Residential
820 - Shopping Center	Retail
820(1) - Shopping Center	Retail
820(2) - Shopping Center	Retail

BALANCED PERSON TRIPS:

210 - Single-Family Detach	ned Housing						210(1) - Single	e-Family Detached Housing
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	14
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	42
210 - Single-Family Detach	ned Housing						210(2) - Single	e-Family Detached Housing
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	47
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	27
210 - Single-Family Detach	ned Housing						220 - Mult	ifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	116
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	116
210 - Single-Family Detach	ned Housing						220(1) - Mult	ifamily Housing (Low-Rise)

Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	4
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	14
	ad Harrisa							
210 - Single-Family Detach								ifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	15
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	9
210 - Single-Family Detach	ed Housing							820 - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	1604
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	1604
210 - Single-Family Detach	ed Housing							820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	65
210 - Single-Family Detach	ed Housing							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
384	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
384	1	0	0	0	0	0	1	143
210(1) - Single-Family Deta	ached Housing						210(2) - Single	e-Family Detached Housing
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0	0	0	0	0	1	47
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0	0	0	0	0	1	27
210(1) - Single-Family Deta	ached Housing						220 - Mult	ifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0	0	0	0	0	1	116
Persons Entry	PAF	UIPTC	Unconstrained Demand	<= BALANCED <=	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0	0	0	0	0	1	116
				J	_			
210(1) - Single-Family Deta	ached Housing						220(1) - Mult	ifamily Housing (Low-Rise)

Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0	0	0	0	0	1	4
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0	0	0	0	0	1	14
210(1) - Single-Family Deta	ached Housing						220(2) - Mult	ifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0	0	0	0	0	1	15
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0	0	0	0	0	1	9
210(1) - Single-Family Deta	ached Housing							820 - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0	0	0	0	0	1	1604
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0	0	0	0	0	1	1604
210(1) - Single-Family Deta	ached Housing							820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0.666666666666666	0	0	1	0.944444444444444	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0.11111111111111111	0	0	1	0.77777777777777	1	65
210(1) - Single-Family Deta	ached Housing							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
42	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
14	1	0	0	0	0	0	1	143
210(2) - Single-Family Deta	ached Housing						220 - Mult	ifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
27	1	0	0	0	0	0	1	116
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
47	1	0	0	0	0	0	1	116
210(2) - Single-Family Deta	ached Housing						220(1) - Mult	ifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
27	1	0	0	0	0	0	1	4
Persons Entry 47	PAF 1	UIPTC 0	Unconstrained Demand 0	<<== BALANCED <<<== 0	Unconstrained Demand 0	UIPTC 0	PAF 1	Persons Exit 14
4/	1	U	U	v	Ü	v	1	14
210(2) - Single-Family Deta	ached Housing						220(2) - Mult	ifamily Housing (Low-Rise)

Danisana Fisit	D.4.F	LUDTC	Haranatasia ad Bananad	>> BALANCED>>	Harris at a Danier d	LUDTO	DAF	Danasa Fata
Persons Exit 27	PAF 1	UIPTC 0	Unconstrained Demand 0	==>>> BALANCED ==>>> 0	Unconstrained Demand 0	UIPTC 0	PAF 1	Persons Entry 15
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
47	1	0	0	0	0	0	1	9
210(2) - Single-Family Deta	ched Housing PAF	LUDTC	University of Bernard	==>>> BALANCED ==>>>	Harriston d Bross d	LUDTO	DAF	820 - Shopping Center
Persons Exit 27	PAF 1	UIPTC 0	Unconstrained Demand 0	==>>> BALANCED ==>>>	Unconstrained Demand 0	UIPTC 0	PAF 1	Persons Entry 1604
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
47	1	0	0	0	0	0	1	1604
210(2) - Single-Family Deta	ched Housing							820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
27	1	0	0	0	0	0	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
47	1	0	0	0	0	0	1	65
210(2) - Single-Family Deta	ched Housing							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
27	1	2.333333333333333	1	1	1	0.55555555555556	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
47	1	2.5555555555555	1	1	2	1.444444444444444	1	143
220 - Multifamily Housing (I OW-Rica)						220(1) - Mul	tifamily Housing (Low-Rise)
220 - Multifamily Housing (LUDTC	Unconstrained Domand	>> PALANCED>>	Unconstrained Demand	LUDTC		tifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
Persons Exit	PAF 1	0	0	0	0	0	PAF 1	Persons Entry
Persons Exit 116 Persons Entry	PAF 1 PAF	0 UIPTC	0 Unconstrained Demand	0 <<<== BALANCED <<<==	0 Unconstrained Demand	O UIPTC	PAF 1 PAF	Persons Entry 4 Persons Exit
Persons Exit	PAF 1	0	0	0	0	0	PAF 1	Persons Entry
Persons Exit 116 Persons Entry	PAF 1 PAF 1	0 UIPTC	0 Unconstrained Demand	0 <<<== BALANCED <<<==	0 Unconstrained Demand	O UIPTC	PAF 1 PAF 1	Persons Entry 4 Persons Exit
Persons Exit 116 Persons Entry 116	PAF 1 PAF 1	0 UIPTC	0 Unconstrained Demand	0 <<<== BALANCED <<<==	0 Unconstrained Demand	O UIPTC	PAF 1 PAF 1	Persons Entry 4 Persons Exit 14
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (PAF 1 PAF 1 (Low-Rise)	0 UIPTC 0	0 Unconstrained Demand 0	0 <<<== BALANCED <<<== 0	0 Unconstrained Demand 0	0 UIPTC 0	PAF 1 PAF 1 220(2) - Mul	Persons Entry 4 Persons Exit 14 tifamily Housing (Low-Rise)
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit	PAF 1 PAF 1 (Low-Rise) PAF	0 UIPTC 0	0 Unconstrained Demand 0 Unconstrained Demand	0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>>	0 Unconstrained Demand 0 Unconstrained Demand	0 UIPTC 0 UIPTC	PAF 1 PAF 1 220(2) - Mul	Persons Entry 4 Persons Exit 14 tifamily Housing (Low-Rise) Persons Entry
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116	PAF 1 PAF 1 (Low-Rise) PAF 1	0 UIPTC 0 UIPTC 0	0 Unconstrained Demand 0 Unconstrained Demand 0	0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0	0 Unconstrained Demand 0 Unconstrained Demand 0	0 UIPTC 0 UIPTC 0	PAF 1 PAF 1 220(2) - Mul PAF	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry	PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1	0 UIPTC 0 UIPTC 0 UIPTC	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand	0 <>== BALANCED <>== 0 ==>>> BALANCED ==>>> 0 <>== BALANCED <>==	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand	0 UIPTC 0 UIPTC 0 UIPTC	PAF 1 PAF 1 220(2) - Mul PAF 1	Persons Entry 4 Persons Exit 14 ttifamily Housing (Low-Rise) Persons Entry 15 Persons Exit
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116	PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1	0 UIPTC 0 UIPTC 0 UIPTC	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand	0 <>== BALANCED <>== 0 ==>>> BALANCED ==>>> 0 <>== BALANCED <>==	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand	0 UIPTC 0 UIPTC 0 UIPTC	PAF 1 PAF 1 220(2) - Mul PAF 1	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1	0 UIPTC 0 UIPTC 0 UIPTC 0	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0	0 <<== BALANCED <<== 0 ==>>> BALANCED ==>>> 0 <<== BALANCED <<== 0	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0	O UIPTC O UIPTC O UIPTC O	PAF 1 PAF 1 220(2) - Mul PAF 1 PAF 1	Persons Entry 4 Persons Exit 14 ttifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9 820 - Shopping Center
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit	PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1 (Low-Rise) PAF	0 UIPTC 0 UIPTC 0 UIPTC 0	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand	0 <<== BALANCED <<== 0 ==>>> BALANCED ==>>> 0 <<== BALANCED <<== 0 ==>>> BALANCED ==>>>	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0	0 UIPTC 0 UIPTC 0 UIPTC 0	PAF 1 PAF 1 220(2) - Mul PAF 1 PAF 1	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9 820 - Shopping Center Persons Entry
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116	PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1 PAF 1 PAF 1	0 UIPTC 0 UIPTC 0 UIPTC 0 UIPTC 0	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0	0 <>== BALANCED <>== 0 ==>>> BALANCED ==>>> 0 <>== BALANCED <=== 0 ==>>> BALANCED ==>>> 0	0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0 Unconstrained Demand 0	0 UIPTC 0 UIPTC 0 UIPTC 0 UIPTC 0	PAF 1 PAF 1 220(2) - Mul PAF 1 PAF 1 PAF 1	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9 820 - Shopping Center Persons Entry 1604
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Exit 116 Persons Exit	PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1 PAF 1 Low-Rise) PAF 1 PAF 1	O UIPTC O UIPTC O UIPTC O UIPTC O UIPTC	0 Unconstrained Demand	0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0 <<<== BALANCED <<<==	0 Unconstrained Demand	O UIPTC O UIPTC O UIPTC O UIPTC O UIPTC UIPTC	PAF 1 PAF 1 220(2) - Mul PAF 1 PAF 1 PAF 1	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9 820 - Shopping Center Persons Entry 1604 Persons Exit
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Exit 116 Persons Entry 116	PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1 PAF 1 Low-Rise) PAF 1 PAF 1	O UIPTC O UIPTC O UIPTC O UIPTC O UIPTC	0 Unconstrained Demand	0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0 <<<== BALANCED <<<==	0 Unconstrained Demand	O UIPTC O UIPTC O UIPTC O UIPTC O UIPTC UIPTC	PAF 1 PAF 1 220(2) - Mul PAF 1 PAF 1 PAF 1	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9 820 - Shopping Center Persons Entry 1604 Persons Exit
Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (Persons Exit 116 Persons Exit 116 Persons Entry 116 220 - Multifamily Housing (200 - Multifamily Housing (201 - Multifamily Housing (201 - Multifamily Housing (PAF 1 PAF 1 (Low-Rise) PAF 1 PAF 1 (Low-Rise) PAF 1 (Low-Rise) PAF 1	O UIPTC	0 Unconstrained Demand 0	0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0 <<== BALANCED <<<== 0 ==>>> BALANCED ==>>> 0 <<<== BALANCED <<<== 0	0 Unconstrained Demand 0	O UIPTC O UIPTC O UIPTC O UIPTC O UIPTC O O UIPTC O	PAF 1 220(2) - Mul PAF 1 PAF 1 PAF 1 PAF 1	Persons Entry 4 Persons Exit 14 Itifamily Housing (Low-Rise) Persons Entry 15 Persons Exit 9 820 - Shopping Center Persons Entry 1604 Persons Exit 1604 820(1) - Shopping Center

Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
116	1	0	0	0	0	0	1	65
		<u> </u>	ı		v	<u> </u>	-	
220 - Multifamily Housing								820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
116	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
116	1	0	0	0	0	0	1	143
220(1) - Multifamily Housin	ng (Low-Rise)						220(2) - Mu	Itifamily Housing (Low-Rise)
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
14	1	0	0	0	0	0	1	15
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
4	1	0	0	0	0	0	1	9
220(1) - Multifamily Housin	ng (Low-Rise)							820 - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
14	1	0	0	0	0	0	1	1604
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
4	1	0	0	0	0	0	1	1604
220(1) - Multifamily Housin	ng (Low-Rise)							820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
14	1	0.666666666666666	0	0	1	0.944444444444444	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
4	1	0.1111111111111111	0	0	1	0.77777777777777	1	65
220(1) - Multifamily Housi	ng (Low-Rise)							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
14	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
4	1	0	0	0	0	0	1	143
220(2) - Multifamily Housi	ng (Low-Rise)							820 - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
9	1	0	0	0	0	0	1	1604
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
15	1	0	0	0	0	0	1	1604
220(2) - Multifamily Housi								820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	
9			0	0	0			Persons Entry
9	1	0	U	U	U	0	1	106

Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
15	1	0	0	0	0	0	1	65
220(2) - Multifamily Housin	ng (Low-Rise)							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
9	1	2.333333333333333	0	0	1	0.55555555555556	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
15	1	2.5555555555555	0	0	2	1.4444444444444444	1	143
820 - Shopping Center								820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
								•
1604	1	0	0	0	0	0	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
1604	1	0	0	0	0	0	1	65
820 - Shopping Center								820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
1604	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
1604	1	0	0	0	0	0	1	143
820(1) - Shopping Center								820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
65	1	0	0	0	0	0	1	132
	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
Persons Entry				0				
106	1	0	0	U	0	0	1	143
INTERNAL PERSON TRIPS:								
210 - Single-Family Detach	ed Housing							
Internal Person Trips From						Entry	Exit	Total
210(1) - Single-Family Deta	ched Housing					0	0	0
210(2) - Single-Family Deta						0	0	0
220 - Multifamily Housing (0	0	0
220(1) - Multifamily Housin	•					0	0	0
220(2) - Multifamily Housin	ig (Low-Rise)					0	0	0
820 - Shopping Center 820(1) - Shopping Center						0	0	0
820(2) - Shopping Center						0	0	0
Total Internal Person Trips	i					0	0	0
210(1) - Single-Family Deta	schod Housing							_
Internal Person Trips From	icheu Housing					Entry	Exit	Total
210 - Single-Family Detached Housing							0	0
210(2) - Single-Family Deta						0	0	0
220 - Multifamily Housing (0	0	0
220(1) - Multifamily Housin	ng (Low-Rise)					0	0	0

220(2) - Multifamily Housing (Low-Rise)	0	0	0
820 - Shopping Center	0	0	0
820(1) - Shopping Center	0	0	0
820(2) - Shopping Center	0	0	0
Total Internal Person Trips	0	0	0
210(2) - Single-Family Detached Housing			
	Fata	F. /h	Total
Internal Person Trips From	Entry	Exit	Total
210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
220 - Multifamily Housing (Low-Rise)	0	0	0
220(1) - Multifamily Housing (Low-Rise)	0	0	0
220(2) - Multifamily Housing (Low-Rise)	0	0	0
820 - Shopping Center	0	0	0
820(1) - Shopping Center	0	0	0
820(2) - Shopping Center	1	1	2
Total Internal Person Trips	1	1	2
220 - Multifamily Housing (Low-Rise)			
Internal Person Trips From	Entry	Exit	Total
210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
210(2) - Single-Family Detached Housing	0	0	0
220(1) - Multifamily Housing (Low-Rise)	0	0	0
220(2) - Multifamily Housing (Low-Rise)	0	0	0
	0	0	0
820 - Shopping Center			
820(1) - Shopping Center	0	0	0
820(2) - Shopping Center	0	0	0
Total Internal Person Trips	0	0	0
220(1) - Multifamily Housing (Low-Rise)			
Internal Person Trips From	Entry	Exit	Total
210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
210(2) - Single-Family Detached Housing	0	0	0
220 - Multifamily Housing (Low-Rise)	0	0	0
220(2) - Multifamily Housing (Low-Rise)	0	0	0
820 - Shopping Center	0	0	0
820(1) - Shopping Center	0	0	0
820(2) - Shopping Center	0	0	0
Total Internal Person Trips	0	0	0
Total meman cross rips	<u> </u>		, v
220(2) - Multifamily Housing (Low-Rise)			
Internal Person Trips From	Entry	Exit	Total
210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
210(2) - Single-Family Detached Housing	0	0	0
220 - Multifamily Housing (Low-Rise)	0	0	0
220(1) - Multifamily Housing (Low-Rise)	0	0	0
820 - Shopping Center	0	0	0
820(1) - Shopping Center	0	0	0
820(2) - Shopping Center	0	0	1
Total Internal Person Trips	0	ů 0	0
··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	·	·	<u> </u>
820 - Shopping Center			
Internal Person Trips From	Entry	Exit	Total

210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
210(2) - Single-Family Detached Housing	0	0	0
220 - Multifamily Housing (Low-Rise)	0	0	0
220(1) - Multifamily Housing (Low-Rise)	0	0	0
220(2) - Multifamily Housing (Low-Rise)	0	0	0
820(1) - Shopping Center	0	0	0
320(2) - Shopping Center	0	0	0
Total Internal Person Trips	0	0	0
·	JI.		
820(1) - Shopping Center			
Internal Person Trips From	Entry	Exit	Total
210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
210(2) - Single-Family Detached Housing	0	0	0
220 - Multifamily Housing (Low-Rise)	0	0	0
220(1) - Multifamily Housing (Low-Rise)	0	0	0
220(2) - Multifamily Housing (Low-Rise)	0	0	0
820 - Shopping Center	0	0	0
820(2) - Shopping Center	0	0	0
Total Internal Person Trips	0	0	0
and the second pro-			-
820(2) - Shopping Center			
Internal Person Trips From	Entry	Exit	Total
210 - Single-Family Detached Housing	0	0	0
210(1) - Single-Family Detached Housing	0	0	0
210(2) - Single-Family Detached Housing	1	1	2
220 - Multifamily Housing (Low-Rise)	0	0	0
220(1) - Multifamily Housing (Low-Rise)	0	0	0
220(2) - Multifamily Housing (Low-Rise)	0	0	1
820 - Shopping Center	0	0	0
820(1) - Shopping Center	0	0	0
Total Internal Person Trips	1	1	2
	-	-	_
INTERNAL VEHICLE TRIPS AND CAPTURE:			
210 - Single-Family Detached Housing			
Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	=
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	384	384	768
Internal Vehicle Trip Capture	0%	0%	0%
• •			
210(1) - Single-Family Detached Housing			
Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	14	42	56
Internal Vehicle Trip Capture	0%	0%	0%
210(2) - Single-Family Detached Housing			
Tables of David Tile	1 .		
Total Internal Person Trips	1	1	2

Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	1	1	2
Total External Vehicle Trips	46	26	72
Internal Vehicle Trip Capture	2%	4%	0%
220 - Multifamily Housing (Low-Rise)			
Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	116	116	232
Internal Vehicle Trip Capture	0%	0%	0%
220(1) - Multifamily Housing (Low-Rise)			
Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	4	14	18
Internal Vehicle Trip Capture	0%	0%	0%
220(2) - Multifamily Housing (Low-Rise) Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	_
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	15	9	24
Internal Vehicle Trip Capture	0%	0%	0%
820 - Shopping Center			
Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	1604	1604	3208
nternal Vehicle Trip Capture	0%	0%	0%
820(1) - Shopping Center			
Total Internal Person Trips	0	0	0
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	0	0	0
Total External Vehicle Trips	106	65	171
Internal Vehicle Trip Capture	0%	0%	0%
820(2) - Shopping Center			
Total Internal Person Trips	1	1	2
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
	1.00	+	

Total Vehicle Internal Trips	1	2	3
Total External Vehicle Trips	131	141	272
Internal Vehicle Trip Capture	1%	1%	0%

PASS-BY VEHICLE TRIP REDUCTION

Land Use	External Vehicle Trips		Pass-by Vehicle Trip %		Pass-by Vehicle Trips	
Land USE	Entry	Exit	Entry (%)	Exit (%)	Entry	Exit
210 - Single-Family Detached Housing	384	384	0.00%	0.00%	0	0
210(1) - Single-Family Detached Housing	14	42	0.00%	0.00%	0	0
210(2) - Single-Family Detached Housing	46	26	0.00%	0.00%	0	0
220 - Multifamily Housing (Low-Rise)	116	116	0.00%	0.00%	0	0
220(1) - Multifamily Housing (Low-Rise)	4	14	0.00%	0.00%	0	0
220(2) - Multifamily Housing (Low-Rise)	15	9	0.00%	0.00%	0	0
820 - Shopping Center	1604	1604	0.00%	0.00%	0	0
820(1) - Shopping Center	106	65	0.00%	0.00%	0	0
820(2) - Shopping Center	131	141	34.00%	34.00%	45	48

DIVERTED VEHICLE TRIP REDUCTION

Land Use	External Vehicle Trips		Diverted Vehicle Trip %		Diverted Vehicle Trips	
Land OSE	Entry	Exit	Entry (%)	Exit (%)	Entry	Exit
210 - Single-Family Detached Housing	384	384	0.00%	0.00%	0	0
210(1) - Single-Family Detached Housing	14	42	0.00%	0.00%	0	0
210(2) - Single-Family Detached Housing	46	26	0.00%	0.00%	0	0
220 - Multifamily Housing (Low-Rise)	116	116	0.00%	0.00%	0	0
220(1) - Multifamily Housing (Low-Rise)	4	14	0.00%	0.00%	0	0
220(2) - Multifamily Housing (Low-Rise)	15	9	0.00%	0.00%	0	0
820 - Shopping Center	1604	1604	0.00%	0.00%	0	0
820(1) - Shopping Center	106	65	0.00%	0.00%	0	0
820(2) - Shopping Center	131	141	0.00%	0.00%	0	0

EXTRA VEHICLE TRIP REDUCTION

Land Use	(External - (Pass-by + Diverted)) Vehicle Trips		Extra Vehicle Trip Reduction %		Extra Reduced Vehicle Trips	
Lanu Ose	Entry	Exit	Entry (%)	Exit (%)	Entry	Exit
210 - Single-Family Detached Housing	384	384	0.00%	0.00%	0	0
210(1) - Single-Family Detached Housing	14	42	0.00%	0.00%	0	0
210(2) - Single-Family Detached Housing	46	26	0.00%	0.00%	0	0
220 - Multifamily Housing (Low-Rise)	116	116	0.00%	0.00%	0	0
220(1) - Multifamily Housing (Low-Rise)	4	14	0.00%	0.00%	0	0
220(2) - Multifamily Housing (Low-Rise)	15	9	0.00%	0.00%	0	0
820 - Shopping Center	1604	1604	0.00%	0.00%	0	0
820(1) - Shopping Center	106	65	0.00%	0.00%	0	0
820(2) - Shopping Center	86	93	0.00%	0.00%	0	0

NEW VEHICLE TRIPS

Land Use		New Vehicle Trips			
		Exit	Total		
210 - Single-Family Detached Housing	384	384	768		
210(1) - Single-Family Detached Housing	14	42	56		
210(2) - Single-Family Detached Housing	46	26	72		
220 - Multifamily Housing (Low-Rise)	116	116	232		
220(1) - Multifamily Housing (Low-Rise)	4	14	18		

220(2) - Multifamily Housing (Low-Rise)	15	9	24
820 - Shopping Center	1604	1604	3208
820(1) - Shopping Center	106	65	171
820(2) - Shopping Center	86	93	179

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	2422	2404	4826
Internal Vehicle Trips	2	3	5
External Vehicle Trips	2420	2401	4821
Internal Vehicle Trip Capture	0%	0%	0%
Pass-by Vehicle Trips	45	48	93
Diverted Vehicle Trips	0	0	0
Extra Reduced Vehicle Trips	0	0	0
New Vehicle Trips	2375	2353	4728

Scenario - 2		
Scenario Name: 2017 Rezoning Plan	User Group:	
Dev. phase: 1	Horizon Year: 2019	
Analyst Note:		
Warning: The time periods among the land use	ses do not appear to match.	

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV/	Size	Time Period	Method	Entry	Exit	Total
Land Use & Data Source	LOCATION	IV	Size	Tillie Periou	Rate/Equation	Split%	Split%	Total
210 - Single-Family Detached Housing	General	Dwelling Units	92	Weekday	Best Fit (LOG)	481	481	962
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Offics	92	Weekuay	Ln(T) =0.92Ln(X) + 2.71	50%	50%	902
210(1) - Single-Family Detached Housing	General	Dwelling Units	92	Weekday, Peak Hour of	Best Fit (LIN)	18	53	71
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Offics	92	Adjacent Street Traffic,	T = 0.71(X) + 4.80	25%	75%	/1
210(2) - Single-Family Detached Housing	General	Dwelling Units	92	Weekday, Peak Hour of	Best Fit (LOG)	59	35	94
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Offics	32	Adjacent Street Traffic,	Ln(T) =0.96Ln(X) + 0.20	63%	37%	94
820 - Shopping Center	General	1000 Sg. Ft. GLA	39.7	Weekday	Best Fit (LOG)	1604	1604	3208
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	1000 3q. Ft. GLA	39.7	Weekuay	Ln(T) =0.68Ln(X) + 5.57	50%	50%	3200
820(1) - Shopping Center	General	1000 Sg. Ft. GLA	39.7	Weekday, Peak Hour	Best Fit (LIN)	106	65	171
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	1000 Sq. Ft. GLA	39.7	of Adjacent Street	T = 0.50(X) + 151.78	62%	38%	1/1
820(2) - Shopping Center	General	1000 Ca Et CLA	39.7	Weekday, Peak Hour of	Best Fit (LOG)	132	143	275
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	1000 Sq. Ft. GLA 39.7	Adjacent Street Traffic,	Ln(T) =0.74Ln(X) + 2.89	48%	52%	2/3	

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
Lanu Ose	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
210 - Single-Family Detached Housing	100	100	1	1	50	50
210(1) - Single-Family Detached Housing	100	100	1	1	25	75
210(2) - Single-Family Detached Housing	100	100	1	1	63	37
820 - Shopping Center	100	100	1	1	50	50
820(1) - Shopping Center	100	100	1	1	62	38
820(2) - Shopping Center	100	100	1	1	48	52

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Tr	ips by Vehicle	Person Trips by Other Modes		Total Baseline S	ite Person Trips
Land Use	Entry	Exit	Entry	Exit	Entry	Exit
210 - Single-Family Detached Housing	481	481	0	0	481	481
210 - Single-Failiny Detactied Housing	962		0		962	
210(1) - Single-Family Detached Housing	18	53	0	0	18	53
.o(1) - Single-1 armly Detached Housing	71		0		71	
210(2) - Single-Family Detached Housing	59	35	0	0	59	35
210(2) - Single-Lamily Detached Housing	94		0		94	
820 - Shopping Center	1604	1604	0	0	1604	1604
ozo - Shopping Center	3	3208	0		3208	
820(1) - Shopping Center	106	65	0	0	106	65
ozoft) - Diohhing ceircei		171	0		171	
920/2) Shonning Center	132	143	0	0	132	143
820(2) - Shopping Center	275		0		275	

INTERNAL VEHICLE TRIP REDUCTION LAND USE GROUP ASSIGNMENT: Land Use Land Use Group 210 - Single-Family Detached Housing Residential 210(1) - Single-Family Detached Housing Residential 210(2) - Single-Family Detached Housing Residential 820 - Shopping Center Retail 820(1) - Shopping Center Retail 820(2) - Shopping Center Retail **BALANCED PERSON TRIPS:** 210 - Single-Family Detached Housing 210(1) - Single-Family Detached Housing Persons Exit PAF UIPTC **Unconstrained Demand** ==>>> BALANCED ==>>> **Unconstrained Demand** UIPTC PAF Persons Entry 482 1 0 0 0 0 1 18 <<== BALANCED <<<== Persons Entry PAF UIPTC **Unconstrained Demand Unconstrained Demand** UIPTC PAF Persons Exit 482 1 0 0 0 0 0 53 1 210 - Single-Family Detached Housing 210(2) - Single-Family Detached Housing UIPTC ==>>> BALANCED ==>>> UIPTC Persons Exit PAF Unconstrained Demand Unconstrained Demand PAF Persons Entry 482 1 0 0 1 59 <<== BALANCED <<<== UIPTC **Unconstrained Demand Unconstrained Demand** PAF Persons Entry PAF UIPTC Persons Exit 0 482 1 0 0 0 0 1 35 210 - Single-Family Detached Housing 820 - Shopping Center UIPTC ==>>> BALANCED ==>>> UIPTC Persons Exit PAF **Unconstrained Demand Unconstrained Demand** PAF Persons Entry 482 1 0 0 0 1 1604 <<== BALANCED <<<== Persons Entry PAF UIPTC **Unconstrained Demand** Unconstrained Demand UIPTC PAF Persons Exit 482 0 0 0 0 0 1604 1 1 210 - Single-Family Detached Housing 820(1) - Shopping Center ==>>> BALANCED ==>>> UIPTC **Unconstrained Demand Unconstrained Demand** UIPTC PAF Persons Exit PAF Persons Entry 482 1 0 0 0 0 0 1 106 PAF UIPTC Unconstrained Demand <<== BALANCED <<<== Unconstrained Demand UIPTC PAF Persons Exit Persons Entry 482 0 0 0 0 0 65 1 1 210 - Single-Family Detached Housing 820(2) - Shopping Center ==>>> BALANCED ==>>> UIPTC UIPTC PAF Persons Exit PAF **Unconstrained Demand** Unconstrained Demand Persons Entry 482 132 1 0 0 0 0 0 1 PAF UIPTC Unconstrained Demand <<== BALANCED <<<== Unconstrained Demand UIPTC PAF Persons Entry Persons Exit 482 1 0 0 0 0 0 1 143 210(1) - Single-Family Detached Housing 210(2) - Single-Family Detached Housing Persons Exit PAF UIPTC **Unconstrained Demand** ==>>> BALANCED ==>>> Unconstrained Demand UIPTC. PAF Persons Entry 53 0 0 0 0 0 59 1 1

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Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
18	1	0	0	0	0	0	1	35
210(1) - Single-Family Detail	rhed Housing							820 - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
53	1	0	0	0	0	0	1	1604
	PAF	UIPTC	Unconstrained Demand	<= BALANCED <=	Unconstrained Demand	UIPTC	PAF	
Persons Entry 18	1 1	0	0	0	Onconstrained Demand	0	1 1	Persons Exit 1604
18	1	U		U	U	U	1	1604
210(1) - Single-Family Detac	ched Housing							820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
53	1	1.333333333333333	1	1	2	1.88888888888888888	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
18	1	0.22222222222222	0	0	1	1.55555555555555	1	65
210(1) - Single-Family Detac	ched Housing							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
53	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
18	1	0	0	0	0	0	1	143
210(2) - Single-Family Detac	ched Housing							820 - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
35	1	0	0	0	0	0	1	1604
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
59	1	0	0	0	0	0	1	1604
210(2) - Single-Family Detac	ched Housing							820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
35	1	0	0	0	0	0	1	106
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
59	1	0	0	0	0	0	1	65
210(2) - Single-Family Detac	ched Housing							820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
35	1	4.66666666666667	2	1	1	1.111111111111111	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
59	1	5.111111111111111	3	3	4	2.88888888888889	1	143
820 - Shopping Center								820(1) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
1604	1	0	0	0	0	0	1	106
1004	1	U	3	•	U	U	1	100

Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
1604	1	0	0	0	0	0	1	65
820 - Shopping Center								820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
1604	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
1604	1	0	0	0	0	0	1	143
820(1) - Shopping Center								820(2) - Shopping Center
Persons Exit	PAF	UIPTC	Unconstrained Demand	==>>> BALANCED ==>>>	Unconstrained Demand	UIPTC	PAF	Persons Entry
65	1	0	0	0	0	0	1	132
Persons Entry	PAF	UIPTC	Unconstrained Demand	<<== BALANCED <<<==	Unconstrained Demand	UIPTC	PAF	Persons Exit
106	1	0	0	0	0	0	1	143
INTERNAL PERSON TRIPS: 210 - Single-Family Detach							T	1
Internal Person Trips From						Entry	Exit	Total
210(1) - Single-Family Deta						0	0	0
210(2) - Single-Family De	etached Housing					0	0	0
820 - Shopping Center 820(1) - Shopping Center						0	0	0
820(2) - Shopping Center						0	0	0
Total Internal Person Trips	s					0	0	0
							•	
210(1) - Single-Family Deta							_	
Internal Person Trips From						Entry	Exit	Total
210 - Single-Family Deta						0	0	0
210(2) - Single-Family Deta	ached Housing					0	0	0
820 - Shopping Center 820(1) - Shopping Center						0	1	0 1
820(2) - Shopping Center						0	0	0
Total Internal Person Trips	s					0	1	1
210(2) - Single-Family Deta Internal Person Trips Fro						Entry	Exit	Total
210 - Single-Family Detach						0	0	0
210(1) - Single-Family Deta						0	0	0
820 - Shopping Center						0	0	0
820(1) - Shopping Center						0	0	0
820(2) - Shopping Center						3	1	4
Total Internal Person Trip	s					3	1	4
820 - Shopping Center								
Internal Person Trips From	l					Entry	Exit	Total
210 - Single-Family Detach						0	0	0
210(1) - Single-Family Deta						0	0	0
210(2) - Single-Family Deta	-					0	0	0
820(1) - Shopping Center						0	0	0

Internal Person Trips J - Shopping Center al Person Trips From Single-Family Detached Housing .) - Single-Family Detached Housing - Single-Family Detached Housing - Single-Family Detached Housing Shopping Center - Shopping Center	0 Entry 0 1 0 0	0 Exit 0 0	O Total
al Person Trips From Single-Family Detached Housing .) - Single-Family Detached Housing - Single-Family Detached Housing Shopping Center - Shopping Center	0 1 0 0	0	
al Person Trips From Single-Family Detached Housing .) - Single-Family Detached Housing - Single-Family Detached Housing Shopping Center - Shopping Center	0 1 0 0	0	
Single-Family Detached Housing .) - Single-Family Detached Housing Single-Family Detached Housing Shopping Center Shopping Center	0 1 0 0	0	
.) - Single-Family Detached Housing) - Single-Family Detached Housing Shopping Center) - Shopping Center	1 0 0		+
.) - Single-Family Detached Housing) - Single-Family Detached Housing Shopping Center) - Shopping Center	1 0 0		0
) - Single-Family Detached Housing Shopping Center) - Shopping Center	0		1
Shopping Center) - Shopping Center	0	0	0
) - Shopping Center		0	0
	0	0	0
	1	0	1
	<u>-</u>		
) - Shopping Center			
al Person Trips From	Entry	Exit	Total
Single-Family Detached Housing	0	0	0
- Single-Family Detached Housing	0	0	0
- Single-Family Detached Housing	1	3	4
Shopping Center	0	0	0
- Shopping Center	0	0	0
Internal Person Trips	1	3	4
	•	•	•
NAL VEHICLE TRIPS AND CAPTURE:			
Single-Family Detached Housing			
, ,			
nternal Person Trips	0	0	0
e Mode Share	100%	100%	
e Occupancy	1.00	1.00	-
Vehicle Internal Trips	0	0	0
external Vehicle Trips	481	481	962
al Vehicle Trip Capture	0%	0%	0%
ar contact the capture		0/0	1 0,0
- Single-Family Detached Housing			
internal Person Trips	0	1	1
e Mode Share	100%	100%	-
e Occupancy	1.00	1.00	_
Vehicle Internal Trips	0	1.00	1
External Vehicle Trips	18	52	70
al Vehicle Trip Capture	0%	2%	0%
ar venice mp capture	0%	270	U%
) - Single-Family Detached Housing			
- Single-raining Detached Housing			
internal Person Trips	3	1	4
e Mode Share	100%	100%	4
e Mode Share e Occupancy	1.00	1.00%	-
e Occupancy Vehicle Internal Trips	3	1.00	4
<u>'</u>			
External Vehicle Trips	56	34	90
al Vehicle Trip Capture	5%	3%	0%
Phonetic Course			
Shopping Center			
The Table			т -
Internal Person Trips	0	0	0
e Mode Share	100%	100%	-
e Occupancy	1.00	1.00	-
Vehicle Internal Trips	0	0	0

Total External Vehicle Trips	1604	1604	3208
Internal Vehicle Trip Capture	0%	0%	0%
820(1) - Shopping Center			
Total Internal Person Trips	1	0	1
Vehicle Mode Share	100%	100%	-
Vehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	1	0	1
Total External Vehicle Trips	105	65	170
nternal Vehicle Trip Capture	1%	0%	0%
820(2) - Shopping Center			
Total Internal Person Trips	1	3	4
Vehicle Mode Share	100%	100%	-
/ehicle Occupancy	1.00	1.00	-
Total Vehicle Internal Trips	1	3	4

131

1%

140

2%

271

PASS-BY VEHICLE TRIP REDUCTION

Total External Vehicle Trips
Internal Vehicle Trip Capture

Land Use	External	External Vehicle Trips		Pass-by Vehicle Trip %		ehicle Trips
Lanu Ose	Entry	Exit	Entry (%)	Exit (%)	Entry	Exit
210 - Single-Family Detached Housing	481	481	0.00%	0.00%	0	0
210(1) - Single-Family Detached Housing	18	52	0.00%	0.00%	0	0
210(2) - Single-Family Detached Housing	56	34	0.00%	0.00%	0	0
820 - Shopping Center	1604	1604	0.00%	0.00%	0	0
820(1) - Shopping Center	105	65	0.00%	0.00%	0	0
820(2) - Shopping Center	131	140	34.00%	34.00%	45	48

DIVERTED VEHICLE TRIP REDUCTION

and Use	External Vehicle Trips		Diverted Vehicle Trip %		Diverted Vehicle Trips	
Latiu OSE	Entry	Exit	Entry (%)	Exit (%)	Entry	Exit
210 - Single-Family Detached Housing	481	481	0.00%	0.00%	0	0
210(1) - Single-Family Detached Housing	18	52	0.00%	0.00%	0	0
210(2) - Single-Family Detached Housing	56	34	0.00%	0.00%	0	0
820 - Shopping Center	1604	1604	0.00%	0.00%	0	0
820(1) - Shopping Center	105	65	0.00%	0.00%	0	0
820(2) - Shopping Center	131	140	0.00%	0.00%	0	0

EXTRA VEHICLE TRIP REDUCTION

Land Use	(External - (Pass-by + Diverted)) Vehicle Trips		Extra Vehicle Trip Reduction %		Extra Reduced Vehicle Trips	
Lanu Ose	Entry	Exit	Entry (%)	Exit (%)	Entry	Exit
210 - Single-Family Detached Housing	481	481	0.00%	0.00%	0	0
210(1) - Single-Family Detached Housing	18	52	0.00%	0.00%	0	0
210(2) - Single-Family Detached Housing	56	34	0.00%	0.00%	0	0
820 - Shopping Center	1604	1604	0.00%	0.00%	0	0
820(1) - Shopping Center	105	65	0.00%	0.00%	0	0
820(2) - Shopping Center	86	92	0.00%	0.00%	0	0

NEW VEHICLE TRIPS

Land Use		New Vehicle Trips				
Latin Ose	Entry	Exit	Total			
210 - Single-Family Detached Housing	481	481	962			
210(1) - Single-Family Detached Housing	18	52	70			
210(2) - Single-Family Detached Housing	56	34	90			
820 - Shopping Center	1604	1604	3208			
820(1) - Shopping Center	105	65	170			
820(2) - Shopping Center	86	92	178			

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	2400	2381	4781
Internal Vehicle Trips	5	5	10
External Vehicle Trips	2395	2376	4771
Internal Vehicle Trip Capture	0%	0%	0%
Pass-by Vehicle Trips	45	48	93
Diverted Vehicle Trips	0	0	0
Extra Reduced Vehicle Trips	0	0	0
New Vehicle Trips	2350	2328	4678

Scenario - 3	
Scenario Name: 2019 Rezonin	g User Group:
Dev. phase: 1	Horizon Year: 2019
Analyst Note:	
Warning: The time perio	ods among the land uses do not appear to match.

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV.	Size	Time Period	Method	Entry	Exit	Total	
Land Ose & Data Source	LOCATION	IV	3126	Time Period	Rate/Equation	Split%	Split%	IOLAI	
210 - Single-Family Detached Housing	General	Dwelling Units	104	Weekday	Best Fit (LOG)	539	539	1078	
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Offics	104	weekuay	Ln(T) =0.92Ln(X) + 2.71	50%	50%	1076	
210(1) - Single-Family Detached Housing	General	Dwelling Units	104	Weekday, Peak Hour of	Best Fit (LIN)	20	59	79	
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban	Dwelling Offics	g Offics 104	Adjacent Street Traffic,	T = 0.71(X) + 4.80	25%	75%	79	
210(2) - Single-Family Detached Housing	General	Dwelling Units	Dwelling Units 104	104	Weekday, Peak Hour of	Best Fit (LOG)	66	39	105
Data Source: Trip Generation Manual, 10th Ed	Urban/Suburban			104	Adjacent Street Traffic,	Ln(T) =0.96Ln(X) + 0.20	63%	37%	105

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
Land OSE	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
210 - Single-Family Detached Housing	100	100	1	1	50	50
210(1) - Single-Family Detached Housing	100	100	1	1	25	75
210(2) - Single-Family Detached Housing	100	100	1	1	63	37

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Trips by Vehicle		Person Trips by Other Modes		Total Baseline Site Person Trips	
Land USE	Entry	Exit	Entry	Exit	Entry	Exit
210 - Single-Family Detached Housing	539	539	0	0	539	539
	1078		0		1078	
210(1) - Single-Family Detached Housing	20	59	0	0	20	59
210(1) - Single-Family Detactied Housing	79		0		79	
210(2) - Single-Family Detached Housing	66	39	0	0	66	39
	105		0		105	

NEW VEHICLE TRIPS

Land Use	New Vehicle Trips				
	Entry	Exit	Total		
210 - Single-Family Detached Housing	539	539	1078		
210(1) - Single-Family Detached Housing	20	59	79		
210(2) - Single-Family Detached Housing	66	39	105		

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	625	637	1262
External Vehicle Trips	625	637	1262
New Vehicle Trips	625	637	1262