

### PM Peak Hour Trip Generation Rates

Category	ITE Code	Land Use	AVTE vs.:	On a:	Average Rate	Small Sample Size	Average Pass-By Trip %	Non-Pass- By Trip Rate
Industrial/Agricultural	110	General Light Industrial	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	7.26			7.26
Industrial/Agricultural	120	General Heavy Industrial	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	2.16	X		2.16
Industrial/Agricultural	130	Industrial Park	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	10.47			10.47
Industrial/Agricultural	140	Manufacturing	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	8.37			8.37
Industrial/Agricultural	150	Warehousing	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	8.86			8.86
Industrial/Agricultural	151	Mini-Warehouse	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.83			3.83
	199	<b>Average Industrial</b>			<b>6.83</b>			<b>6.83</b>
Low Density Industrial	120	General Heavy Industrial	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	2.16	X		2.16
Low Density Industrial	151	Mini-Warehouse	Acres	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.83			3.83
	199a	<b>Average Low Density (w/o water) Industrial</b>			<b>3.00</b>			<b>3.00</b>
Residential	210	Single-Family Detached Housing	Dwelling Units	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	1.01			1.01
J. Co. Residential	299daily	Single Family Residential	Dwelling Units	Average Daily Trips	7.50			7.50
J. Co. Residential	299PMX	<b>Single Family Residential</b>	Dwelling Units	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m. (PM Peak Hour = 10.55% of daily)	0.79			0.79
Institutional	520	Elementary School	Students	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	No data	No data		No data
Institutional	521	Private School (K-12)	Students	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	0.20	X		0.20
Institutional	522	Middle School/Jr. HS	Students	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	0.16	X		0.16
Institutional	530	High School	Students	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	0.15			0.15
Office	710	General Office Buiding	1000 SF GFA	Weekday, P.M. Peak Hour	1.49			1.49
Office	720	Medical-Dental Office Building	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.66			3.66
Office	750	Office Park	1000 SF GFA	Weekday, P.M. Peak Hour	1.50			1.50
Office	770AC	Business Park	Acres	Weekday, P.M. Peak Hour	16.84			16.84
Office	770SF	Business Park	1000 SF GFA	Weekday, P.M. Peak Hour	1.29			1.29
Retail	812	Building Materials and Lumber Store	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	4.04			4.04
Retail	814	Specialty Retail Center	1000 SF GLA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	2.59	X		2.59
Retail	816	Hardware/Paint Store	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	4.42			4.42
Retail	817	Nursery (Garden Center)	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.80			3.80
Retail	818	Nursery (Wholesale)	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	5.17			5.17
Retail	820	Shopping Center	1000 SF GLA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.74		34%	2.47
Retail	823	Factory Outlet Center	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	1.69			1.69
Retail	832	High-Turnover (Sit-Down) Restaurant	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	10.86		43%	6.19
Retail	834	Fast-Food Restaurant with Drive-Through Window	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	33.48		50%	16.74
Retail	836	Drinking Place	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	11.54			11.54
Retail	840	Automobile Care Center	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.38	X		3.38
Retail	843	Automobile Parts Sales	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	5.98	X	43%	3.41
Retail	845	Gasoline/Service Station with Convenience Market	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	96.37		56%	42.40
Retail	848	Tire Store	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	4.12		28%	2.97
Retail	850	Supermarket	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	11.51		36%	7.37
Retail	851	Convenience Market (Open 24 Hours)	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	53.73		61%	20.95
Retail	853	Convenience Market with Gasoline Pumps	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	60.61		66%	20.61
Retail	870	Apparel Store	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	3.83			3.83
Retail	880	Pharmacy/Drugstore without Drive-Through Window	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	7.63		53%	3.59
Retail	881	Pharmacy/Drugstore with Drive-Through Window	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	10.40	X	49%	5.30
Retail	896	Video Rental Store	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	13.60			13.60
Services	912	Drive-In Bank	1000 SF GFA	Weekday, PH of Adj. St. Traffic, One Hr. Between 4 & 6 p.m.	54.77		47%	29.03
	999	<b>Average Commercial (Office, Retail, Services)</b>			<b>16.00</b>			<b>8.88</b>
	999PMX	Average of Small Retail			12.02			7.07

## PM Peak Hour Trip Generation Rates

Small  
Small  
Small

Small

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Pick only one gas or conv.  
market  
Small

Pick only one gas or conv.  
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Merlin Vacant Land Summary by TAZ and Land Use Category

Description	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Light Industrial	Sum of Parcels									12	2	2						4											
	Sum of Acres									2.64	0.49	0.86						1.07											
Low Density Residential	Sum of Parcels																												
	Sum of Acres																												
Rural Commercial	Sum of Parcels										1															1			
	Sum of Acres										0.24															0.92			
Rural Convenience Commercial	Sum of Parcels								20	1									13				1						
	Sum of Acres								1.28	0.65									1.18				0.04						
Rural Industrial	Sum of Parcels													7			1												
	Sum of Acres													0.72			0.09												
Rural Residential 1 Acre	Sum of Parcels							10	25						15			4	17	11									
	Sum of Acres							2.34	3.40						1.09			0.20	4.19	1.18									
Rural Residential 2.5 Acre	Sum of Parcels							5						2	9			24		21	8			14			9		
	Sum of Acres							1.00						0.21	1.67			4.81		6.98	1.36			4.92			4.24		
Rural Residential 5 Acre	Sum of Parcels	4	36	99	36	7	3	73	5		15		6		17		25	26		15	26	14	2	14	37	16	33	26	6
	Sum of Acres	1.61	24.88	49.40	15.15	3.94	1.08	26.21	1.68		4.98		2.72		6.71		16.62	7.56		5.48	7.44	7.34	0.33	5.27	13.31	7.11	15.40	14.49	2.68
Total Sum of Parcels		4	36	99	36	7	3	88	50	13	18	2	6	9	41	1	25	58	30	47	34	15	16	14	37	17	33	35	6
Total Sum of Converted_Acre		1.61	24.88	49.40	15.15	3.94	1.08	29.56	6.36	3.29	5.71	0.86	2.72	0.94	9.48	0.09	16.62	13.64	5.37	13.63	8.81	7.38	5.25	5.27	13.31	8.03	15.40	18.73	2.68
High School - North Valley	Students																												
Jr. Hi/Elem Schools	Students																												
Josephine Co Airport	Passengers																												

Merlin Land Development Assumptions for Level 2 Traffic Analysis

Total Residential Parcels	4	36	99	36	7	3	88	30	0	15	0	6	2	41	0	25	54	17	47	34	14	16	14	37	16	33	35	6
Percent of Residential Parcels	0.22%	1.98%	5.45%	1.98%	0.39%	0.17%	4.85%	1.65%	0.00%	0.83%	0.00%	0.33%	0.11%	2.26%	0.00%	1.38%	2.98%	0.94%	2.59%	1.87%	0.77%	0.88%	0.77%	2.04%	0.88%	1.82%	1.93%	0.33%
Allocation of Residential Growth (dwelling units)	2	21	59	21	4	2	52	18	0	9	0	4	1	24	0	15	32	10	28	20	8	9	8	22	9	20	21	4
Total Commercial Acres	0	0	0	0	0	0	0	1.28	0.65	0.24	0	0	0	0	0	0	0	1.18	0.00	0.00	0.04	0	0	0	0.92	0	0	0
Percent of Commercial Acres	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	16.91%	8.54%	3.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	15.55%	0.00%	0.00%	0.57%	0.00%	0.00%	0.00%	12.10%	0.00%	0.00%	0.00%
Total Commercial Parcels	0	0	0	0	0	0	0	20	1	1	0	0	0	0	0	0	0	13	0	0	1	0	0	0	1	0	0	0
Percent of Commercial Parcels	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	29.41%	1.47%	1.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	19.12%	0.00%	0.00%	1.47%	0.00%	0.00%	0.00%	1.47%	0.00%	0.00%	0.00%
Allocation of Commercial Growth (businesses)	0	0	0	0	0	0	0	15	1	1	0	0	0	0	0	0	0	10	0	0	1	0	0	0	1	0	0	0
Avg Sq. Footage/Building								2,231	22,543	8,429								3,158			1,506				31,925			
Total Sq. Footage of Buildings								33,466	16,907	6,321								30,786			1,130				23,944			
Total Industrial Acres	0	0	0	0	0	0	0	0	20.00	0.49	0.86	0	0.72	0.00	90.00	0.00	1.07	0	0	0	0	0	0	0	0	0	0	0
Percent of Industrial Acres	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	16.97%	0.42%	0.73%	0.00%	0.61%	0.00%	76.37%	0.00%	0.91%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Industrial Parcels (less NVIP and Rendata)	0	0	0	0	0	0	0	0	12	2	2	0	7	0	1	0	4	0	0	0	0	0	0	0	0	0	0	0
Percent of Industrial Parcels	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.00%	8.00%	0.00%	28.00%	0.00%	0.00%	0.00%	0.00%	16.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Allocation of Industrial Growth (parcels)									2	2			6				4											
Allocation of Industrial Growth (acres)									20.00	0.49	0.86		0.62				90.00											

		I-5 Frontage					I-5 Int.		N. Valley Indus Pk.	East of Airport	East of Airport	s/o Merlin Road	Rendata	Airport	Pleasant Valley Core	Oxyoke
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Note: Acreage for TAZs 9 (North Valley Industrial Park) and 15 (Rendata Industrial Park) based on input from Josephine County

Trip Generation																													
Alternative 1	ITE Code	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
	Industrial	Total Trips	0	0	0	0	0	0	0	0	137	3	6	0	4	0	615	0	7	0	0	0	0	0	0	0	0	0	0
Alternative 2	ITE Code	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
	Industrial	Total Trips	0	0	0	0	0	0	0	0	209	5	9	0	6	0	942	0	11	0	0	0	0	0	0	0	0	0	0
Residential	ITE Code	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	299PMX	
	Total Trips	2	17	46	17	3	1	41	14	0	7	0	3	1	19	0	12	25	8	22	16	7	7	7	17	7	15	16	3
Commercial	Lookup Code	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	999PMX	
	Total Trips	0	0	0	0	0	0	0	237	119	45	0	0	0	0	0	0	0	218	0	0	8	0	0	0	169	0	0	0
All Uses with Alternative 1	Total	2	17	46	17	3	1	41	251	256	55	6	3	5	19	615	12	32	226	22	16	15	7	7	17	176	15	16	3
	Estimated Internal Capture 40%	1	7	18	7	1	0	16	100	102	22	2	1	2	8	246	5	13	90	9	6	6	3	3	7	70	6	6	1
	External Trips	1	10	28	10	2	1	25	151	154	33	4	2	3	11	369	7	19	136	13	10	9	4	4	10	106	9	10	2
All Uses with Alternative 2	Total	2	17	46	17	3	1	41	251	328	57	9	3	7	19	942	12	36	226	22	16	15	7	7	17	176	15	16	3
	Estimated Internal Capture 40%	1	7	18	7	1	0	16	100	131	23	4	1	3	8	377	5	14	90	9	6	6	3	3	7	70	6	6	1
	External Trips	1	10	28	10	2	1	25	151	197	34	5	2	4	11	565	7	22	136	13	10	9	4	4	10	106	9	10	2

