



Memorandum

To: Catherine McCoy, Associate Planner, LEED AP
Olympia Community Planning & Development

From: George Smith, Senior Transportation Planner

Date: October 17, 2018

Project: #850.17 - SPSCC Health and Wellness Center

Subject: Neighborhood Parking Occupancy Study

South Puget Sound Community College (SPSCC) is proposing the expansion of the athletic building (building 31) on the college campus. Expanding the athletic building includes demolishing an adjacent structure that contains classrooms. The new addition will provide communal space for student study and interaction, a new gymnasium and a new weight room. Parking, site access and internal circulation will remain the same.

As part of the site plan review submittal for this project the City of Olympia has requested a parking occupancy study of the public neighborhood streets to the west of the SPSCC campus. This memorandum describes the data collection and provides a summary of the results.

Data Collection Parameters

The study area was the residential neighborhoods between 29th Avenue SW, RW Johnson Boulevard and Mottman Road, north and west of the SPSCC campus. The study road segments are shown on **Figure 1**. The following is a summary of the data collection parameters

- Fall quarter began on September 17. To allow for traffic conditions to stabilize, the parking counts began two weeks later.
- The counts were conducted on two non-consecutive days, Thursday, October 4, 2018 and Tuesday, October 9, 2018. After two days of counts, the results were consistent enough that additional days were not deemed necessary.
- The parking occupancy sweeps were conducted hourly beginning at 6:00 AM and concluding after 8:00 PM. These hours were selected to get occupancy data before and after the potential influence of SPSCC.
- The parking data was collected by street at the block level and has been summarized into three areas (northwest, east and southwest) as shown on **Figure 1**.
- During the counts the following data was collected:
 - Legally parked vehicles
 - Illegally parked vehicles (areas signed “no parking,” at intersections or blocking driveways)

Figure 1. SPSCC Neighborhood Parking Study - Roadway Segments

East-West Streets

	Road	From	To	Appr. Parking Spaces		Distance (ft)
				North	South	
E1	Silver Lane	Douglas St	Firland St	3	4	190
E2	25th Court	West End	East End	12	13	500
E3	26th Court	Monterey Street	East End	8	9	325
E4	27th Avenue	RW Johnson	Douglas St	13	16	375
E5	27th Avenue	Douglas St	Firland St	4	4	210
E6	27th Avenue	Firland St	East End	10	14	570
E7	28th Avenue	Noble St	Firland St	0	5	235
Totals				50	65	2405

North-South Streets

	Road	From	To	East	West	Distance (ft)
N1	Douglas Street	Mottman Rd	27th Ave	10	10	550
N2	Noble Street	28th Ave	29th Ave	3	0	350
N3	Firland Street	Mottman Rd	27th Ave	13	12	550
N4	Firland Street	27th Ave	28th Ave	0	4	215
N5	Firland Street	28th Ave	29th Ave	0	7	350
N6	Monterey street	Mottman Road	26th Court	9	13	470
N7	Monterey Street	26th Court	South End	11	12	350
N8	Edith Court	North End	South End	4	3	190
Totals				50	61	3025
Grand Totals				100	126	5430



- Approximate number of parking spaces. NOTE: as there is no striped parking, the actual number of vehicle parking spaces was approximated based on available curbside frontage not at an intersection, fire hydrant, signed “no parking” or blocking a driveway.
- Vehicles parked in driveways or completely off the public right-of-way were not included in the parking occupancy count or in the parking space count.

Data Summary

We have summarized the parking occupancy counts separately for each day and for each of the three areas (northwest, east, and southwest). The summary includes the total observed parked vehicles per count hour (including legally and illegally parked vehicles) compared to the approximate number of legal parking spaces to yield a percent occupancy throughout the day. The following is a summary and brief description of each area.

Northwest Area

This area has unrestricted parking along both sides of all streets. There is capacity for up to approximately 89 parked vehicles. At the beginning of the count period there were 17 parked vehicles both days. As the morning progressed the parking increased to a peak of 28 on Thursday and 25 on Tuesday during the 11 AM count period. At the highest point during both survey days, the parking reached 31% occupancy.



Table 1. Northwest Area – Parking Occupancy Summary

Appr. Parking Capacity = 89	Thursday, Oct. 4, 2018		Tuesday, Oct. 9, 2018		
	Time	Parked Vehicles	Percent of Capacity	Parked Vehicles	Percent of Capacity
	6:00 AM	17	19%	17	19%
	7:00 AM	15	17%	14	16%
	8:00 AM	13	15%	15	17%
	9:00 AM	12	13%	12	13%
	10:00 AM	23	26%	23	26%
	11:00 AM	28	31%	25	28%
	Noon	23	26%	22	25%
	1:00 PM	19	21%	19	21%
	2:00 PM	20	22%	16	18%
	3:00 PM	18	20%	16	18%
	4:00 PM	13	15%	16	18%
	5:00 PM	14	16%	16	18%
	6:00 PM	13	15%	18	20%
	7:00 PM	18	20%	20	22%
	8:00 PM	21	24%	17	19%

East Area

This area has unrestricted parking on both sides of all streets. There is capacity for approximately 118 vehicles to park along the curbs in this area. In this area the parking varied very little throughout the count period with a high of 25 parked vehicles and a low of 16 parked vehicles. The highest observed parking occupancy was 21% of capacity.



Table 2. East Area – Parking Occupancy Summary

Appr. Parking Capacity = 118	Thursday, Oct. 4, 2018		Tuesday, Oct. 9, 2018	
	Parked Vehicles	Percent of Capacity	Parked Vehicles	Percent of Capacity
Time				
6:00 AM	23	19%	25	21%
7:00 AM	23	19%	23	19%
8:00 AM	20	17%	23	19%
9:00 AM	21	18%	24	20%
10:00 AM	24	20%	23	19%
11:00 AM	22	19%	22	19%
Noon	20	17%	18	15%
1:00 PM	19	16%	18	15%
2:00 PM	22	19%	17	14%
3:00 PM	24	20%	16	14%
4:00 PM	20	17%	17	14%
5:00 PM	18	15%	18	15%
6:00 PM	21	18%	21	18%
7:00 PM	19	16%	21	18%
8:00 PM	20	17%	23	19%

Southwest Area

This area had parking restrictions on both sides of all streets. For each street, one side is signed “No Parking anytime” and the other side is signed “No Parking Mon – Fri Without Residential Permit.” There is a parking capacity of approximately 19 vehicles in the areas that allow residential parking. During the count periods the area had a parking low of six vehicles and a peak of 16 vehicles (84% of capacity). There were many observances of vehicles parked in the areas signed “No Parking Anytime.”

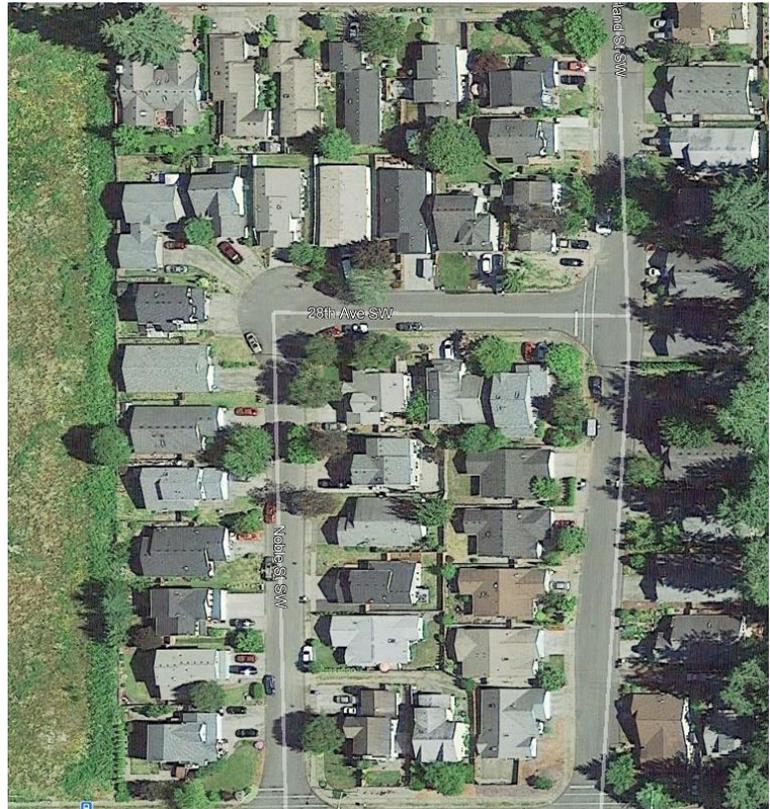


Table 3. Southwest Area – Parking Occupancy Summary

Appr. Parking Capacity = 19	Thursday, Oct. 4, 2018		Tuesday, Oct. 9, 2018	
	Parked Vehicles	Percent of Capacity	Parked Vehicles	Percent of Capacity
Time				
6:00 AM	12	63%	12	63%
7:00 AM	10	53%	9	47%
8:00 AM	9	47%	9	47%
9:00 AM	9	47%	6	32%
10:00 AM	10	53%	12	63%
11:00 AM	12	63%	13	68%
Noon	11	58%	16	84%
1:00 PM	11	58%	12	63%
2:00 PM	8	42%	10	53%
3:00 PM	10	53%	11	58%
4:00 PM	11	58%	10	53%
5:00 PM	10	53%	9	47%
6:00 PM	11	58%	8	42%
7:00 PM	12	63%	9	47%
8:00 PM	10	53%	10	53%