



November 18, 2021

## Parking Operations Management Assessment for the Wahiawa Civic Center Project

As requested, W-Trans has prepared a parking operations management assessment for the Civic Center project proposed to be located at 910 California Avenue in Wahiawa. The purpose of this letter is to estimate the parking demand of the proposed project, determine if the off-street and available on-street parking supply are sufficient to meet the project's needs, and offer transportation management recommendations to facilitate employee and visitor travel to the site. As part of this assessment, the site's parking requirements were evaluated and compared to the Revised Ordinances of Honolulu (ROH) as well as industry standard demand rates and employee commute data.

### Project Description

The proposed project would replace three one-story Civic Center buildings with two two-story buildings and relocate some government offices and the Wahiawa district courthouse to the site. The current Wahiawa district courthouse has 24 off-street spaces and five on-street spaces reserved for its use. The proposed building designed to house City and County, and State government offices is 22,000 square feet and the proposed judiciary building is 34,500 square feet, with an additional 3,000 square feet for secure parking. There are 91 on-site parking stalls and 25 additional spaces in the adjacent Transit Station lot proposed for the project for a total supply of 116 off-street spaces. Also, a limited number of spaces on Center Street may be removed to accommodate driveway access to the site. The full list of agencies locating to the site as well as their respective maximum numbers of employees and visitors to be on-site at any one time during pre-COVID conditions are shown in Table 1.

**Table 1 – Staffing and Concurrent Visitation for the Proposed Civic Center Agencies**

<b>Agency/Program</b>	<b>Employees</b>	<b>Concurrent Visitors</b>
Department of Health: Women Infants and Children	9 Full-time	12
Department of Health: Adult Mental Health Division	6 Full-time 2 Part-time	N/A (6 daily)
Department of Health: Public Health Nursing	14 Full-time	10
Department of Human Services-Benefit Employment and Support Services Division	25 Full-time	3
College of Tropical Agriculture & Human Resources	5 Full-time	2
City and County of Honolulu Satellite City Hall	8 Full-time	15
<b>Government Office Subtotal</b>	<b>67 Full-time 2 Part-time</b>	<b>48</b>
Judiciary District Court	42 Full-time	30*
<b>Total</b>	<b>109 Full-time 2 Part-time</b>	<b>78*</b>

Notes: All client services currently and post-COVID are on an appointment-based system. The number of judiciary visitors is an estimate based on the proposed two courtrooms. Courtrooms are anticipated to be used infrequently by juries given their primary use for traffic violations and small claims cases.

## Parking Analysis

### Required Parking

For offices uses, Ordinance 20-41 of the ROH requires one parking space per 500 square feet of gross floor area; there is also a “public uses and structures” designation in the same ordinance with a requirement “to be determined by director.” Assuming the office use in the ordinance applies to the proposed project’s uses, the parking requirement for the project is 113 spaces for the 56,500 proposed square feet of development, which is less than the 116 proposed spaces; the project architect’s calculations of parking requirements detailed in the Draft EIS also result in 113 spaces. Although the proposed parking supply is greater than that required under the ordinance, the number of on-street spaces to be removed on Center Street for driveway access is uncertain. As such, the supply was further evaluated against standard parking demand rates and the actual number of projected employees and visitors.

### Parking Demand Analysis

#### Industry Standard Analysis

The anticipated parking demand for the proposed project was estimated using the Government Office Building (ITE LU #730) and Judicial Complex rates (ITE LU #735) published by the Institute of Transportation Engineers (ITE) in *Parking Generation*, 5<sup>th</sup> Edition, 2019. Average peak rates for the government office building use are 2.99 spaces per thousand square feet and 0.82 spaces per employee. Average peak rates for the judiciary complex use are 3.02 spaces per thousand square feet and 0.61 spaces per employee. Given the limited number of observed sites listed for the two land use categories, the projected parking demand was calculated based on an average of the two rates. The average peak demands for both uses are shown in Table 2 along with the City and County Code requirement.

<b>Table 2 – Parking Requirements Analysis</b>			
<b>Land Use</b>	<b>Units</b>	<b>Rate</b>	<b>Parking Spaces</b>
<b>Parking Required per City and County Code</b>			
Government Office	22,000 sf	1 space/500 sf	44
Judiciary	34,500 sf	1 space/500 sf	69
<i>County Required Parking Total</i>			<b>113</b>
<b>ITE Government Office Demand Estimate</b>			
By Square Feet	22,000 sf	2.99 spaces/ksf	66
By Employee	69 emp	0.82 spaces/emp	57
<i>Average Government Office Parking Demand</i>			<b>62</b>
<b>ITE Judicial Complex Demand Estimate</b>			
By Square Feet	34,500 sf	3.02 spaces/ksf	104
By Employee	42 emp	0.61 spaces/emp	26
<i>Average Judicial Complex Parking Demand</i>			<b>65</b>
<b>Total Anticipated Peak Parking Demand</b>			<b>127</b>

Notes: ksf = 1,000 square feet; sf = square foot; emp = employees

## Employee and Visitor Analysis

Parking demand was also estimated based on the projected number of employees and visitors and factored for the average vehicle mode split. As noted in Table 1, 69 employees are anticipated in the government offices with a maximum of 48 visitors present at any one time. The Census Bureau's 2019 five-year American Community Survey (ACS) for the Census tracts that comprise Wahiawa shows a 70-percent vehicle commuting mode split. It should be noted that this varies from the April 2015 *Commuting Patterns in Hawaii* report from the State's Research and Economic Analysis Division that describes an 86-percent mode split of "cars" in Central Oahu derived from 2013 five-year ACS data because the report did not distinguish between carpool drivers and passengers.

Given a combined total of 117 employees and visitors for the government offices and a 70-percent vehicle mode split, the peak parking demand for the proposed government offices would be 82 spaces. The judiciary building is projected to have 42 employees and an estimated 30 visitors. With a 70-percent mode split, the peak parking demand for the judiciary building would be 50 spaces. Combined, the two uses would have a total parking demand of 132 spaces. Given that this total is greater than that of ITE, and the fact that the number of observed ITE sites is limited, it is used in the following analysis to be conservative.

## Parking Survey

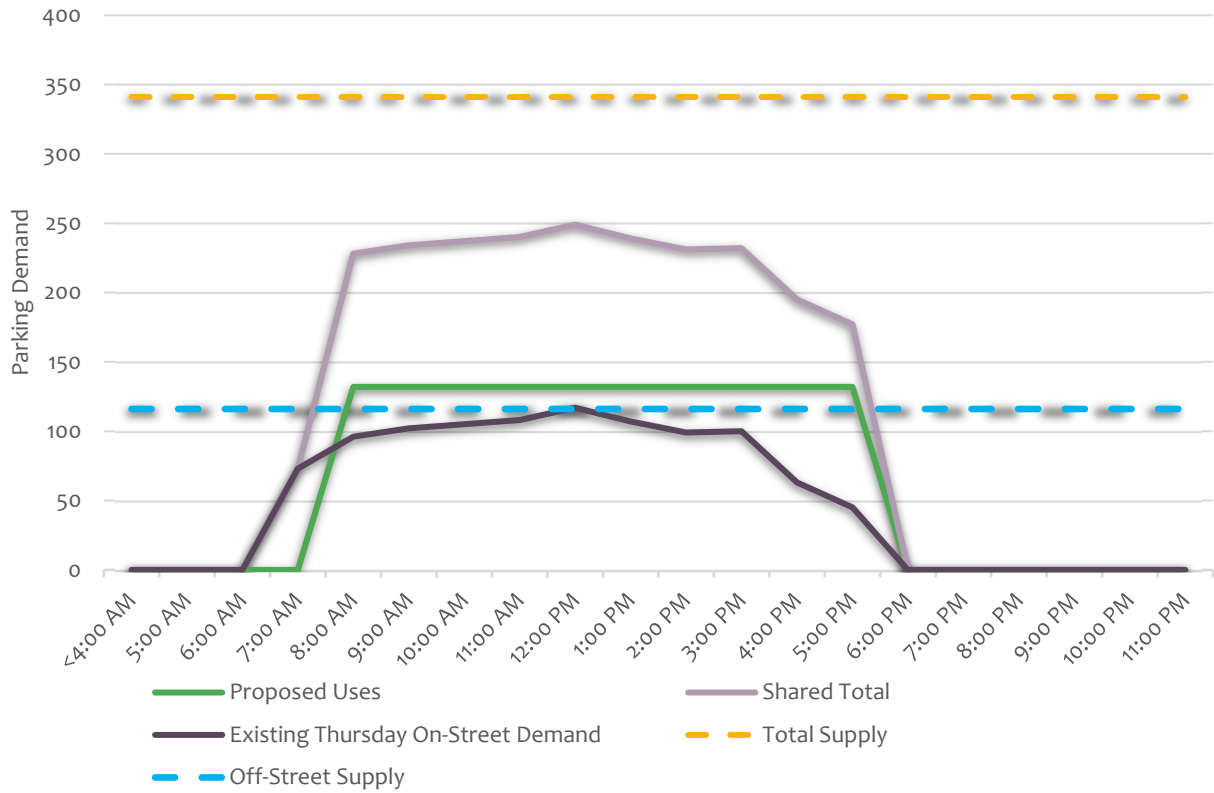
A parking survey was conducted on September 29, 2021 (Wednesday) and September 30, 2021 (Thursday) that included the project site's off-street lot and the on-street spaces within approximately 1,000 feet of the site; this distance is less than a quarter-mile, a common standard applied for a reasonable walking distance. The survey was conducted given the large supply of on-street parking in the area and the high likelihood that motorists will opt to park in those spaces. It should be noted that although some government employees may currently work from home due to COVID conditions (thereby reducing parking demand), the majority of the study area's parking demand appears to be from the adjacent hospital, a land use that has typically generated greater than average parking demand during the COVID pandemic. Due to these offsetting factors, the surveyed parking demand is considered a reliable indicator of post-COVID conditions of surrounding land uses. In addition, COVID conditions allowed for all motorists associated with the current government building to park off-street, thereby allowing the future anticipated demand from the proposed uses to be added to the existing on-street demand.

The survey included hourly parking occupancy counts from 7:00 a.m. to 5:00 p.m. Total parking occupancy for the study area peaked at 129 spaces, or 57 percent of the 225 total on-street spaces, at 12:00 p.m. on Thursday. The off-street lot used by the current government offices had a peak demand of 12 vehicles, or 33 percent of its 36 spaces while on-street spaces reached a high of 62 percent occupancy with 117 of 189 spaces occupied. Center Street and Lehua Street had higher peak occupancy rates of 70 and 90 percent, respectively, while North Cane Street, Kilani Street, and California Street all had low peak occupancy rates with an average of 48 percent. Plate 1 illustrates the study area's parking occupancy data. A copy of the survey data is enclosed.



**Plate 1** Peak Parking Occupancy – Thursday, September 30 at 12 p.m.

In summary, the parking survey indicated that there are a total of 72 on-street spaces available during peak periods, which could be used to accommodate the peak parking demand of the proposed project. With an on-site parking supply of 116 spaces and a projected demand of 132 spaces, it is estimated that 16 vehicles would need to park on-street. Given the 72 available spaces, there is sufficient supply to accommodate peak demand, even if a limited number of stalls may be eliminated as part of the project for driveway access. Plate 2 shows the study area’s parking demand by hour for the proposed uses and existing on-street spaces, and their combined demand given the projected parking supply.



**Plate 2** Study Area Hourly Parking Occupancy

## Transportation Management Strategies

In addition to meeting peak parking demand with available supply, there are also transportation demand management (TDM) strategies that can be implemented to reduce parking demand. Although these measures are not assumed in the parking calculations above, they are effective in reducing and/or managing parking demand. Potential measures include:

- Preferential Visitor Parking.** To maximize the use of all available off-street parking spaces, parking can be managed so that the most convenient stalls are used by visitors. This can be accomplished by directing those motorists who are parked for long durations (i.e. employees) to park in less convenient spaces first, such as those in the transit center. With the transit center spaces occupied, those stalls closest to the project can be used by higher turnover visitors and can help ensure that all available off-street spaces are used; time limits in these spaces could also be considered.
- Shared Parking.** Although it is sometimes necessary to reserve particular parking spaces for certain users, it is much more efficient for parking spaces to be used in a shared pool so that there are no vacant reserved stalls. As such, maximizing the number of non-reserved spaces for the proposed project should be considered.
- Parking Cash-Out.** Many organizations currently offer free parking for employees, which serves as a strong disincentive for employees to not drive to work. Instead, the project could offer a “cash-out” to those who do not drive to work. Under a parking cash-out program, an employer offers the cash value of the parking subsidy to any employee who does not drive to work. Offering employees the option of a “cash out” incentive to use

an alternative mode of transportation (transit, bike, walk, or carpool to work) will help to reduce parking demand.

- **Parking Performance Monitoring.** It can be useful to periodically monitor the project site's parking use to gauge whether additional management measures are necessary. Instituting an annual monitoring protocol should be considered to include off-street and on-street parking occupancy counts conducted in the same area and during similar times as those discussed in this report.
- **Carpool Matching.** The Hawaii Department of Transportation (HDOT) offers a service where its rideshare coordinator matches participants based on their address and commute times. Participants must only complete a basic form to participate, and the service is free of charge.
- **Vanpool Incentives.** The Department of Transportation Services (DTS) operates the Oahu Vanpool Incentive Program offered to facilitate vanpools for groups of seven to 15 riders. The program offers a \$500 monthly subsidy per van and vanpoolers also have access to Enterprise's Guaranteed Ride Home program, which provides free "back-up" rides to employees who do not drive alone in case of an emergency.
- **Long- and Short-Term Bicycle Storage.** The proposed project should include both long- and short-term bicycle parking. Long-term parking includes facilities such as lockers or secure on-site parking areas. These sorts of storage provide a greater level of security for bicycle users traveling frequently and parking for greater periods of time (e.g. commuters). Short-term bicycle parking includes racks or other relatively simple facilities that allow users such as visitors the opportunity to park their bikes for short periods using padlocks or other basic security measures.
- **Pre-Tax Transit Benefits.** The federal tax code allows for the use of tax-free dollars to pay for transit commuting through an employer-sponsored program. Establishing a program through Honolulu Commuter Choice for employees to set aside income on a pre-tax basis for transit use saves employees money as they do not pay federal income taxes on these funds. The current monthly exclusion for transit passes is limited to \$270.
- **TDM Performance Monitoring.** In addition to monitoring parking performance, TDM measures can be monitored and adjusted as necessary to ensure their success. Employees surveys should be considered to confirm TDM strategies are functioning optimally.

## Conclusions and Recommendations

- The proposed parking supply of 116 spaces meets the minimum Code requirements of 113 spaces based on the office use designation. The 113-space calculation is also the parking requirement calculation detailed in the Draft EIS.
- The anticipated combined peak parking demand based on the conservative employee and visitor analysis for the government office and judiciary building is 132 spaces.
- Survey results show there is a supply of unoccupied on-street parking available within walking distance of the project site at the 12 p.m. weekday peak hour, with 72 of the total 179 spaces available, although some of the spaces on Center Street may be removed to provide driveway access for the new project.
- With a combined peak parking demand for the government office and judiciary buildings of 132 spaces and an off-street supply of 116 spaces, 16 vehicles would need to be parked on-street. Given the potential 60 to 70 available on-street spaces, there is sufficient parking to accommodate projected demand. To be conservative, parking demand estimates do not assume the implementation of TDM strategies. However,

many are recommended given that they are either free of charge or very low cost and would contribute to reducing parking demand. At a minimum, the project site's parking use should be monitored to gauge whether additional measures are necessary.

Prepared by:



Brian Canepa, TDM-CP  
Principal



Mark Spencer, PE  
Senior Principal

MES/bac/HAZ089-1.L1

Enclosure: Survey Data

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<b>Start on the NB direction of N Cane St at California Ave and head NB towards Kilani Ave</b>												
2 Hour 1	N											
2 Hour 2	N		X					X	X			
<b>Driveway</b>												
2 Hour 1	N	X	X	X	X	X	X	X	X			
2 Hour 2	N	X	X	X	X	X	X					
2 Hour 3	N	X	X	X	X	X	X					
2 Hour 4	N	X			X			X	X			
2 Hour 5	N		X									
2 Hour 6	N				X	X	X	X	X	X	X	
2 Hour 7	N											
<b>Driveway</b>												
No Parking												
Crosswalk												
No Parking												
<b>Driveway</b>												
2 Hour 1	N				X	X	X	X	X	X	X	X
2 Hour 2	N						X	X	X	X	X	X
2 Hour 3	N				X				X	X		
2 Hour 4	N											X
2 Hour 5	N					X	X	X	X	X		X
2 Hour 6	N	X			X	X		X	X	X	X	X
2 Hour 7	N	X			X	X	X					
2 Hour 8	N	X			X	X	X					
<b>At Kilani Ave, turn right and proceed along the EB direction of Kilani Avenue</b>												
Unsigned 1	N				X	X						
Unsigned 2	N											
Unsigned 3	N			X								
Unsigned 4	N		X	X			X	X				
<b>Driveway</b>												
Unsigned 1	N	X	X	X		X	X	X	X	X		X
<b>Driveway</b>												
Unsigned 1	N	X	X	X	X	X		X				X
Unsigned 2	N	X	X	X	X	X	X	X	X	X		X
<b>When you reach the east end of the Kilani Business Center (located across the street) cross Kilani Ave, turn left and proceed in the WB direction towards N Cane St</b>												
<b>Driveway</b>												
Reserved 1	N											
Reserved 2	N											
Reserved 3	N											
Reserved 4	N											
Reserved 5	N											
<b>Driveway</b>												
<b>Turn right on N Cane St, walk along NB direction until the bus lot driveway</b>												
Unsigned 1	N											
Unsigned 2	N	X	X									
Unsigned 3	N	X	X	X				X	X			
Unsigned 4	N	X	X				X	X	X			
<b>Driveway</b>												
Hydrant												
Unsigned 1	N											
Unsigned 2	N	X	X				X	X	X	X		
Unsigned 3	N	X	X	X	X	X	X	X				
<b>Driveway</b>												
<b>Cross N Cane St, walk along SB direction towards Kilani Ave starting from driveway closest to Kilani Ave</b>												



Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<i>Driveway</i>												
Unsigned 1	N	X	X	X			X	X	X		X	X
Unsigned 2	N										X	
Unsigned 3	N		X									
Unsigned 4	N	X	X	X			X	X	X	X	X	X
Unsigned 5	N	X	X	X			X	X			X	
Unsigned 6	N	X	X	X			X	X	X		X	X
Unsigned 7	N	X	X	X			X	X	X	X	X	X
<i>Turn right on to Kilani Ave, walk along Kilani WB toward Lehua St</i>												
2 Hour 1	N											
2 Hour 2	N			X								
<i>Driveway</i>												
No Parking												
<i>Driveway</i>												
2 Hour 1	N			X	X	X	X	X	X	X	X	X
2 Hour 2	N				X	X	X	X	X	X	X	X
<i>Driveway</i>												
2 Hour 1	N						X	X	X	X	X	X
<i>Driveway</i>												
2 Hour 1	N											
Crosswalk												
<i>Driveway</i>												
<i>Cross Palm St and continue on Kilani Ave</i>												
<i>Driveway</i>												
Bus Stop												
Hydrant												
<i>Driveway</i>												
2 Hour 1	N											
2 Hour 2	N											
<i>Driveway</i>												
<i>Driveway</i>												
<i>At Lehua Street, cross Kilani Ave, turn left and walk along EB direction of Kilani Ave towards N Cane St</i>												
Hydrant												
Bus Stop												
<i>Driveway</i>												
Crosswalk												
No Parking												
Crosswalk												
No Parking												
<i>Driveway</i>												
Hydrant												
2 Hour 1	N											
<i>Driveway</i>												
2 Hour 1	N											
<i>Driveway</i>												
<i>Driveway</i>												
<i>Turn right on to N Cane St, walk along SB direction toward Center St</i>												
Hydrant												
<i>Driveway</i>												
2 Hour 1	N		X	X	X	X	X	X	X		X	
<i>Driveway</i>												
2 Hour 1	N		X	X	X	X	X	X	X	X	X	
2 Hour 2	N	X	X	X	X	X	X	X	X	X	X	
2 Hour 3	N				X						X	
<i>Turn right on to Center St, walk along the WB direction toward Lehua St</i>												

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Stall 1	Y											
Stall 2	Y		X	X	X	X	X	X	X	X		
Stall 3	Y	X	X	X	X	X	X	X	X			
Stall 4	Y	X	X	X	X	X	X	X	X	X		
<i>Driveway</i>												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 2	Y	X	X	X	X	X	X	X	X	X	X	
Stall 3	Y	X	X	X	X	X	X	X	X	X	X	X
Hydrant												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 2	Y	X	X	X	X	X	X	X	X	X	X	
Stall 3	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 4	Y		X	X	X	X	X	X	X			
Stall 5	Y		X	X	X	X	X	X	X	X		
Stall 6	Y											
Stall 7	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 8	Y	X	X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 2	Y	X	X	X	X	X				X	X	X
Stall 3	Y											
Stall 4	Y	X	X	X	X	X	X	X	X	X	X	
Stall 5	Y	X	X	X	X	X	X	X	X			
Stall 6	Y											
Stall 7	Y	X	X	X	X	X	X			X	X	X
Stall 8	Y		X	X	X	X	X	X	X	X		
Crosswalk												
<i>Driveway</i>												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 2	Y											
Stall 3	Y				X							
Stall 4	Y			X	X	X	X	X	X	X	X	X
Stall 5	Y			X	X	X	X	X	X	X	X	X
Stall 6	Y		X	X	X	X	X	X	X	X		
Stall 7	Y											
Stall 8	Y	X	X	X	X	X	X	X	X	X		
Stall 9	Y		X	X	X	X	X	X	X	X	X	
Stall 10	Y		X	X	X	X	X	X	X	X	X	
Stall 11	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 12	Y		X	X	X	X	X	X	X	X		
Stall 13	Y	X	X	X	X	X	X	X	X	X		
Stall 14	Y		X	X	X	X	X	X	X	X		
Stall 15	Y	X	X	X	X	X	X	X	X	X	X	
Stall 16	Y		X	X	X	X	X					
Stall 17	Y		X	X					X	X	X	
Stall 18	Y					X						
Stall 19	Y				X	X	X	X	X	X		
Stall 20	Y		X	X								
Stall 21	Y			X	X	X	X		X	X	X	X
Stall 22	Y	X	X	X	X	X	X	X	X	X		
Stall 23	Y		X	X	X	X	X	X				
Stall 24	Y	X	X	X	X	X	X	X				
Stall 25	Y		X	X	X	X	X					
Stall 26	Y					X	X	X	X			
Stall 27	Y			X	X	X	X	X				

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Stall 28	Y	X	X	X	X	X	X	X	X			
Stall 29	Y			X	X	X	X	X	X			
Stall 30	Y		X	X	X	X	X	X	X	X	X	X
Stall 31	Y		X	X	X	X						
Stall 32	Y		X	X	X				X			X
<b><i>Yay, you did it! Meet your partner at the Civic Center parking lot and survey the project lot together.</i></b>												

<b>N Cane St</b>	35	18	19	13	15	13	20	20	19	11	14	9
<b>Kilani Ave</b>	22	3	4	7	5	6	6	7	5	5	3	6
<b>Center St</b>	55	23	40	45	45	45	42	38	38	33	22	16
<b>OVERALL</b>	112	44	63	65	65	64	68	65	62	49	39	31

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 2 - Orange**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<b>Start on California Ave at Lehua St, walk along WB direction heading towards Makani Ave</b>												
No Parking												
Driveway												
Driveway												
Unsigned 1	Y		X	X	X		X	X	X		X	
<b>Cross Westervelt St and continue on California Avenue WB</b>												
1 Hour 1	Y					X	X		X	X		
1 Hour 2	Y			X			X		X	X		
Driveway												
No Parking												
Driveway												
No Parking												
Driveway												
No Parking												
Hydrant												
Crosswalk												
<b>At Makani Ave, cross California Ave then proceed left along California Avenue in the EB direction towards N Cane St</b>												
No Parking												
Driveway												
No Parking												
Driveway												
No Parking (Unsigned)												
<b>Cross Kuahiwi Ave and continue on California Avenue EB</b>												
Crosswalk												
Driveway												
Hydrant												
Driveway												
Bus Stop												
Driveway												
<b>Cross Muliwai Ave and continue on California Avenue EB</b>												
Driveway												
No Parking												
Driveway												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	X
Driveway												
No Parking												
Driveway												
No Parking												
Crosswalk												
Driveway												
No Parking												
No Parking												
<b>At N Cane St, cross California Ave, proceed right along the WB direction of California Avenue towards Lehua St</b>												
Driveway												
No Parking												
Driveway												
Hydrant												
Driveway												
No Parking												
Crosswalk												
Driveway												
1 Hour 1	Y											
1 Hour 2	Y											
1 Hour 3	Y											
Ramp												
1 Hour 1	Y											

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 2 - Orange**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
1 Hour 2	Y											
Hydrant												
Bus Stop												
<b>At Lehua St, turn right and walk along NB direction of Lehua St toward Kilani Ave</b>												
Unsigned 1	Y		X	X	X	X	X	X	X	X	X	
Unsigned 2	Y		X	X		X	X	X				
Unsigned 3	Y		X	X		X		X		X	X	
Unsigned 4	Y				X	X		X	X	X	X	X
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	
Unsigned 2	Y		X	X	X	X	X	X	X	X		
<b>Cross Center St and continue on Lehua Street NB</b>												
Unsigned 1	Y		X	X	X	X	X	X	X	X	X	X
Unsigned 2	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 3	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 4	Y	X	X	X	X	X	X	X	X	X		
Unsigned 5	Y	X	X	X	X	X	X	X	X	X		
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 2	Y	X	X	X	X	X	X	X	X	X	X	
<b>At Kilani Ave, cross Lehua St and turn left and proceed SB on Lehua St toward California Ave</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	X
<b>Driveway</b>												
Unsigned 1	N											
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X		X	X
Unsigned 2	Y	X	X	X	X	X	X	X	X		X	
Unsigned 3	Y	X	X	X	X	X	X	X	X			X
Unsigned 4	Y	X	X	X	X	X	X	X	X			
Crosswalk												
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X		
Unsigned 2	Y	X	X	X	X	X	X	X	X		X	
Unsigned 3	Y	X	X	X	X	X	X	X	X	X		X
Unsigned 4	Y	X	X	X	X	X	X	X	X			
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X		X	X
Hydrant												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 2	Y	X	X	X	X	X	X	X	X	X		
<b>At California Ave, cross Lehua St then turn left towards Center St. At Center St, turn right and walk along Center St EB direction</b>												
Stall 1	Y	X	X	X	X	X	X	X	X	X		
Stall 2	Y	X	X	X	X	X	X	X	X	X		
Stall 3	Y		X	X	X	X	X	X	X	X	X	X
Stall 4	Y		X	X	X	X	X	X	X	X	X	
Stall 5	Y	X	X	X	X	X	X	X	X	X		
Stall 6	Y		X	X	X	X	X	X	X	X		
Stall 7	Y			X	X	X	X					
Stall 8	Y											
Stall 9	Y		X	X	X	X	X	X	X	X		
Stall 10	Y	X	X	X	X	X	X	X	X	X		
Stall 11	Y							X				
Stall 12	Y					X	X	X	X	X	X	X
Hydrant												
Stall 1	Y							X				
Stall 2	Y											
Stall 3	Y					X	X	X				

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Route 2 - Orange**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Stall 4	Y				X							
Stall 5	Y	X		X			X		X			
Stall 6	Y											
Stall 7	Y											
Stall 8	Y											
Stall 9	Y								X			
Stall 10	Y											
Stall 11	Y											
Stall 12	Y											
Stall 13	Y											
Stall 14	Y											
Stall 15	Y		X	X	X	X	X	X	X	X	X	
<i>Driveway</i>												
Crosswalk												
Hydrant												
Stall 1	Y				X			X				
Stall 2	Y			X								
Stall 3	Y							X				
Stall 4	Y							X				
Stall 5	Y									X		
Stall 6	Y											
Stall 7	Y											
Stall 8	Y											
Stall 9	Y						X	X				
Stall 10	Y						X	X	X	X	X	
Stall 11	Y	X	X	X	X							
Stall 12	Y											
Stall 13	Y										X	
Stall 14	Y	X	X	X	X	X						
Stall 15	Y	X	X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
No Parking												
<b>Yay, you did it! Meet your partner at the Civic Center parking lot and survey the project lot together.</b>												

<b>California Ave</b>	9	1	2	3	2	2	4	2	4	3	2	1
<b>Lehua St</b>	26	19	24	24	23	25	23	25	23	17	15	11
<b>Center St</b>	42	8	12	15	15	14	16	19	14	13	7	3
<b>OVERALL</b>	77	28	38	42	40	41	43	46	41	33	24	15

Wahiawa Civic Center  
Wednesday, September 29, 2021

**Existing Wahiawa Civic Center Parking Lot**

General Notes: Record the number of cars parked within the existing Wahiawa CC parking lot. Note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed. Start on the north end of the parking lot (Center St side and work your way done towards California Ave and then head back up ending on Center St.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<i>Start by the parking stall closest to Center (west side of the driveway)</i>												
Stall 1	Y											
Stall 2	Y		X	X	X	X		X	X	X	X	
Stall 3	Y		X	X	X	X						
Stall 4	Y								X	X		
Stall 5												
Stall 6												
Stall 7	Y				X	X	X	X	X	X		
Stall 8	Y						X	X	X	X	X	
Stall 9	Y		X	X	X	X						
Stall 10	Y	X	X	X	X	X	X	X	X	X	X	
Stall 11	Y											
Stall 12 ADA	Y											
Stall 13 ADA	Y											
Stall 14	Y							X	X	X		
Stall 15	Y											
Stall 16	Y											
Stall 17	Y											
Stall 18	Y											
Stall 19	Y											
Stall 20 Reserved	Y											
Stall 21 Reserved	Y											
<i>Head to the opposing aisle</i>												
Stall 1	Y		X	X	X	X	X	X	X	X	X	
Stall 2	Y								X	X		
Stall 3	Y		X	X	X	X	X	X	X	X	X	
Stall 4	Y		X	X	X	X	X	X	X			
Stall 5	Y	X	X	X	X		X	X	X	X	X	
Stall 6	Y	X	X	X	X	X	X	X	X	X		
Stall 7	Y		X	X	X							
Stall 8	Y											
Stall 9 ADA	Y											
Stall 10 ADA	Y											
Stall 11	Y		X		X	X	X	X	X	X	X	
Stall 12	Y											
Stall 13	Y											
Stall 14	Y											
Stall 15	Y						X					
Stall 16	Y											
Stall 17	Y						X					
<i>Driveway</i>												
<i>Take a break and start at the top of the next hour.</i>												
<b>Parking Lot</b>	36	3	11	10	12	10	11	11	13	12	7	0

Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<b>Start on the NB direction of N Cane St at California Ave and head NB towards Kilani Ave</b>												
2 Hour 1	N											
2 Hour 2	N		X		X		X	X				
<b>Driveway</b>												
2 Hour 1	N											
2 Hour 2	N	X	X	X	X	X	X	X	X			
2 Hour 3	N											
2 Hour 4	N			X	X				X			
2 Hour 5	N	X	X	X	X	X	X	X	X			
2 Hour 6	N								X	X		
2 Hour 7	N											X
<b>Driveway</b>												
No Parking												
Crosswalk												
No Parking												
<b>Driveway</b>												
2 Hour 1	N					X	X	X				X
2 Hour 2	N											
2 Hour 3	N											
2 Hour 4	N					X	X	X				
2 Hour 5	N								X			
2 Hour 6	N	X	X	X	X	X	X	X	X	X	X	X
2 Hour 7	N	X	X	X	X	X	X	X	X	X	X	X
2 Hour 8	N	X	X		X							
<b>At Kilani Ave, turn right and proceed along the EB direction of Kilani Avenue</b>												
Unsigned 1	N											
Unsigned 2	N											
Unsigned 3	N				X							
Unsigned 4	N		X				X		X			X
<b>Driveway</b>												
Unsigned 1	N	X	X	X	X	X	X	X	X	X		X
<b>Driveway</b>												
Unsigned 1	N	X	X	X							X	X
Unsigned 2	N	X	X	X	X	X	X	X	X	X	X	X
<b>When you reach the east end of the Kilani Business Center (located across the street) cross Kilani Ave, turn left and proceed in the WB direction towards N Cane St</b>												
<b>Driveway</b>												
Reserved 1	N											
Reserved 2	N											
Reserved 3	N											
Reserved 4	N											
Reserved 5	N											
<b>Driveway</b>												
<b>Turn right on N Cane St, walk along NB direction until the bus lot driveway</b>												
Unsigned 1	N											
Unsigned 2	N	X	X	X		X	X					
Unsigned 3	N	X	X			X	X	X	X	X		
Unsigned 4	N	X	X	X					X	X		
<b>Driveway</b>												
Hydrant												
Unsigned 1	N	X	X	X		X	X					
Unsigned 2	N	X	X			X	X	X	X	X		
Unsigned 3	N	X	X	X	X				X	X		
<b>Driveway</b>												
<b>Cross N Cane St, walk along SB direction towards Kilani Ave starting from driveway closest to Kilani Ave</b>												



Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<i>Driveway</i>												
Unsigned 1	N	X		X	X			X		X	X	
Unsigned 2	N	X	X								X	
Unsigned 3	N	X								X		
Unsigned 4	N	X	X	X	X	X	X	X	X	X	X	X
Unsigned 5	N	X		X	X	X	X	X		X	X	X
Unsigned 6	N	X		X	X	X	X	X	X	X	X	X
Unsigned 7	N	X	X	X	X	X	X	X		X		X
<i>Turn right on to Kilani Ave, walk along Kilani WB toward Lehua St</i>												
2 Hour 1	N											
2 Hour 2	N				X							
<i>Driveway</i>												
No Parking												
<i>Driveway</i>												
2 Hour 1	N				X	X	X	X	X	X		
2 Hour 2	N		X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
2 Hour 1	N		X	X	X	X	X					
<i>Driveway</i>												
2 Hour 1	N											
Crosswalk												
<i>Driveway</i>												
<i>Cross Palm St and continue on Kilani Ave</i>												
<i>Driveway</i>												
Bus Stop												
Hydrant												
<i>Driveway</i>												
2 Hour 1	N						X		X	X		
2 Hour 2	N					X	X					
<i>Driveway</i>												
<i>Driveway</i>												
<i>At Lehua Street, cross Kilani Ave, turn left and walk along EB direction of Kilani Ave towards N Cane St</i>												
Hydrant												
Bus Stop												
<i>Driveway</i>												
Crosswalk												
No Parking												
Crosswalk												
No Parking												
<i>Driveway</i>												
Hydrant												
2 Hour 1	N					X	X	X				
<i>Driveway</i>												
2 Hour 1	N											
<i>Driveway</i>												
<i>Driveway</i>												
<i>Turn right on to N Cane St, walk along SB direction toward Center St</i>												
Hydrant												
<i>Driveway</i>												
2 Hour 1	N							X		X	X	X
<i>Driveway</i>												
2 Hour 1	N											
2 Hour 2	N						X	X	X	X	X	X
2 Hour 3	N		X	X	X	X	X	X	X	X	X	X
<i>Turn right on to Center St, walk along the WB direction toward Lehua St</i>												

Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Stall 1	Y				X	X			X	X	X	X
Stall 2	Y		X	X	X	X	X	X	X	X	X	X
Stall 3	Y	X	X	X	X	X	X	X	X			
Stall 4	Y		X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 2	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 3	Y	X	X	X	X	X	X	X	X	X	X	
Hydrant												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	
Stall 2	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 3	Y										X	
Stall 4	Y											
Stall 5	Y		X	X	X	X	X	X	X	X	X	
Stall 6	Y											
Stall 7	Y	X	X	X	X	X	X	X	X	X	X	X
Stall 8	Y	X	X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
Stall 1	Y	X	X	X	X	X	X	X				
Stall 2	Y											
Stall 3	Y	X	X	X	X	X	X					
Stall 4	Y	X	X	X	X	X	X	X	X			
Stall 5	Y		X	X	X	X	X	X	X			
Stall 6	Y	X	X	X	X	X	X	X	X	X		
Stall 7	Y	X	X	X	X	X				X	X	X
Stall 8	Y	X						X	X	X		
Crosswalk												
<i>Driveway</i>												
Stall 1	Y			X	X	X	X		X	X	X	
Stall 2	Y											
Stall 3	Y											
Stall 4	Y											
Stall 5	Y			X	X	X	X	X	X	X	X	X
Stall 6	Y											
Stall 7	Y											
Stall 8	Y											
Stall 9	Y		X	X	X	X	X	X	X	X		
Stall 10	Y											
Stall 11	Y		X	X	X	X	X	X	X	X	X	
Stall 12	Y		X	X	X	X	X	X	X	X	X	
Stall 13	Y		X	X	X	X	X	X	X	X	X	
Stall 14	Y	X	X	X	X	X	X	X	X	X	X	
Stall 15	Y		X	X	X	X	X	X	X	X		
Stall 16	Y	X	X	X	X	X	X	X	X	X	X	
Stall 17	Y			X	X			X	X	X	X	
Stall 18	Y			X	X	X	X	X	X	X		
Stall 19	Y		X	X	X	X	X	X	X	X	X	X
Stall 20	Y		X	X	X	X	X	X		X	X	
Stall 21	Y		X	X	X	X	X	X	X	X		
Stall 22	Y		X	X	X	X	X	X				
Stall 23	Y	X	X	X	X	X	X	X	X	X		
Stall 24	Y	X	X	X	X	X	X	X	X	X		
Stall 25	Y		X	X	X	X	X	X	X	X		
Stall 26	Y	X	X	X	X	X	X			X		
Stall 27	Y		X	X	X	X	X	X				

Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 1 - Blue**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Stall 28	Y	X	X	X	X	X	X	X	X	X		
Stall 29	Y	X	X	X	X	X	X	X	X	X	X	
Stall 30	Y	X	X	X	X	X	X	X	X	X	X	
Stall 31	Y	X	X	X	X	X	X	X	X	X		
Stall 32	Y	X	X	X	X	X	X					
<b><i>Yay, you did it! Meet your partner at the Civic Center parking lot and survey the project lot together.</i></b>												

<b>N Cane St</b>	35	18	16	15	14	15	17	17	15	16	10	11
<b>Kilani Ave</b>	22	3	6	5	7	7	9	5	6	5	3	5
<b>Center Ave</b>	55	24	38	42	43	42	40	38	36	36	25	11
<b>OVERALL</b>	112	45	60	62	64	64	66	60	57	57	38	27

Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 2 - Orange**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<b>Start on California Ave at Lehua St, walk along WB direction heading towards Makani Ave</b>												
No Parking												
Driveway												
Driveway												
Unsigned 1	Y			X	X	X	X				X	
<b>Cross Westervelt St and continue on California Avenue WB</b>												
1 Hour 1	Y					X	X					X
1 Hour 2	Y					X	X					
Driveway												
No Parking												
Driveway												
No Parking												
Driveway												
No Parking												
Hydrant												
Crosswalk												
<b>At Makani Ave, cross California Ave then proceed left along California Avenue in the EB direction towards N Cane St</b>												
No Parking												
Driveway												
No Parking												
Driveway												
No Parking (Unsigned)												
<b>Cross Kuahiwi Ave and continue on California Avenue EB</b>												
Crosswalk												
Driveway												
Hydrant												
Driveway												
Bus Stop												
Driveway												
<b>Cross Muliwai Ave and continue on California Avenue EB</b>												
Driveway												
No Parking												
Driveway												
Unsigned 1	Y		X	X	X	X		X	X	X	X	X
Driveway												
No Parking												
Driveway												
No Parking												
Crosswalk												
Driveway												
No Parking												
No Parking												
<b>At N Cane St, cross California Ave, proceed right along the WB direction of California Avenue towards Lehua St</b>												
Driveway												
No Parking												
Driveway												
Hydrant												
Driveway												
No Parking												
Crosswalk												
Driveway												
1 Hour 1	Y											
1 Hour 2	Y											
1 Hour 3	Y											
Ramp												
1 Hour 1	Y											

Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 2 - Orange**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
1 Hour 2	Y									X	X	
Hydrant												
Bus Stop												
<b>At Lehua St, turn right and walk along NB direction of Lehua St toward Kilani Ave</b>												
Unsigned 1	Y			X			X		X			
Unsigned 2	Y			X	X	X	X	X	X	X		
Unsigned 3	Y							X	X	X	X	
Unsigned 4	Y		X	X	X	X	X	X	X	X	X	X
<b>Driveway</b>												
Unsigned 1	Y			X	X	X	X	X	X			
Unsigned 2	Y		X					X	X	X		
<b>Cross Center St and continue on Lehua Street NB</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 2	Y	X	X	X	X	X	X	X	X	X	X	
Unsigned 3	Y	X	X	X	X	X	X					
Unsigned 4	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 5	Y	X	X	X	X	X	X	X	X	X		
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	
Unsigned 2	Y	X	X	X	X	X	X	X	X	X		
<b>At Kilani Ave, cross Lehua St and turn left and proceed SB on Lehua St toward California Ave</b>												
Unsigned 1	Y											
<b>Driveway</b>												
Unsigned 1	N			X	X	X	X	X	X	X	X	X
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X		X
Unsigned 2	Y	X	X	X	X	X	X	X	X	X	X	X
Unsigned 3	Y	X	X	X	X	X	X	X	X	X	X	
Unsigned 4	Y	X	X	X	X	X	X	X	X		X	X
Crosswalk												
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X		
Unsigned 2	Y	X	X	X	X	X	X	X	X			
Unsigned 3	Y		X	X	X	X	X	X	X	X	X	X
Unsigned 4	Y	X	X	X	X	X	X	X	X	X	X	X
<b>Driveway</b>												
Unsigned 1	Y	X	X	X	X	X	X	X	X	X	X	X
Hydrant												
Unsigned 1	Y	X	X	X	X	X	X	X		X		
Unsigned 2	Y	X	X	X	X	X	X	X	X	X		X
<b>At California Ave, cross Lehua St then turn left towards Center St. At Center St, turn right and walk along Center St EB direction</b>												
Stall 1	Y	X	X	X	X	X	X	X	X	X		
Stall 2	Y	X	X	X	X	X	X	X		X		
Stall 3	Y		X	X	X	X	X	X	X	X	X	X
Stall 4	Y		X	X	X	X	X	X	X	X	X	X
Stall 5	Y	X	X	X	X	X	X	X	X	X		
Stall 6	Y	X	X	X	X	X	X	X	X	X		
Stall 7	Y		X	X	X	X	X	X	X	X		X
Stall 8	Y	X		X	X	X	X	X	X			
Stall 9	Y		X	X	X	X	X	X	X	X		
Stall 10	Y	X	X	X	X	X	X	X	X	X		
Stall 11	Y			X	X	X	X		X	X		
Stall 12	Y		X	X	X	X	X	X	X	X	X	
Hydrant												
Stall 1	Y	X	X	X	X	X	X	X	X	X	X	
Stall 2	Y											
Stall 3	Y				X	X	X	X				

Wahiawa Civic Center  
Thursday, September 30, 2021

**Route 2 - Orange**

General Notes: Record the number of cars parked along the route. Try to be consistent and begin at the same time on the hour and walk in the same direction. Also note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
Stall 4	Y							X				
Stall 5	Y		X				X	X	X			
Stall 6	Y						X	X	X	X	X	
Stall 7	Y											
Stall 8	Y				X	X						
Stall 9	Y						X					
Stall 10	Y											
Stall 11	Y						X	X				
Stall 12	Y											
Stall 13	Y						X	X				
Stall 14	Y											
Stall 15	Y		X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
Crosswalk												
Hydrant												
Stall 1	Y						X	X				
Stall 2	Y	X						X				
Stall 3	Y						X					
Stall 4	Y											
Stall 5	Y	X	X						X	X		
Stall 6	Y					X						
Stall 7	Y									X		
Stall 8	Y											
Stall 9	Y									X		
Stall 10	Y	X										
Stall 11	Y						X			X	X	
Stall 12	Y									X		
Stall 13	Y						X	X	X	X	X	
Stall 14	Y											
Stall 15	Y	X	X	X	X	X	X	X	X	X	X	X
<i>Driveway</i>												
No Parking												
<i>Yay, you did it! Meet your partner at the Civic Center parking lot and survey the project lot together.</i>												

<b>California Ave</b>	9	0	1	2	2	4	3	1	1	2	3	2
<b>Lehua St</b>	26	17	20	23	22	22	23	23	23	20	13	11
<b>Center St</b>	42	11	15	15	17	18	25	23	18	21	9	5
<b>OVERALL</b>	77	28	36	40	41	44	51	47	42	43	25	18

Wahiawa Civic Center  
Thursday, September 30, 2021

**Existing Wahiawa Civic Center Parking Lot**

General Notes: Record the number of cars parked within the existing Wahiawa CC parking lot. Note the number of double parked vehicles or any other larger trucks blocking more than one space in the additional sheet at provided. Note the time these were observed. Start on the north end of the parking lot (Center St side and work your way done towards California Ave and then head back up ending on Center St.

Parking Space	Stripe?	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
<i>Start by the parking stall closest to Center (west side of the driveway)</i>												
Stall 1	Y											
Stall 2	Y		X		X	X	X	X	X	X	X	
Stall 3	Y		X	X	X	X	X	X	X	X	X	
Stall 4	Y											
Stall 5												
Stall 6												
Stall 7	Y			X	X	X						
Stall 8	Y											
Stall 9	Y						X	X	X	X	X	
Stall 10	Y		X	X	X	X						
Stall 11	Y	X					X	X	X	X	X	
Stall 12 ADA	Y											
Stall 13 ADA	Y											
Stall 14	Y			X	X	X	X	X		X		
Stall 15	Y									X		
Stall 16	Y						X	X	X		X	
Stall 17	Y									X		
Stall 18	Y											
Stall 19	Y											
Stall 20 Reserved	Y											
Stall 21 Reserved	Y											
<i>Head to the opposing aisle</i>												
Stall 1	Y		X	X	X	X	X	X	X	X	X	
Stall 2	Y							X				
Stall 3	Y									X	X	X
Stall 4	Y		X	X	X	X	X	X	X	X	X	X
Stall 5	Y	X	X	X	X		X	X	X	X	X	
Stall 6	Y	X	X	X	X	X	X	X	X	X	X	
Stall 7	Y		X	X	X							
Stall 8	Y	X	X	X	X	X	X	X	X	X	X	
Stall 9 ADA	Y											
Stall 10 ADA	Y		X	X	X							
Stall 11	Y					X	X	X	X	X	X	
Stall 12	Y											
Stall 13	Y											
Stall 14	Y											
Stall 15	Y											
Stall 16	Y											
Stall 17	Y											
<i>Driveway</i>												
<i>Take a break and start at the top of the next hour.</i>												
<b>Parking Lot</b>	36	4	10	11	12	10	12	13	11	14	12	2